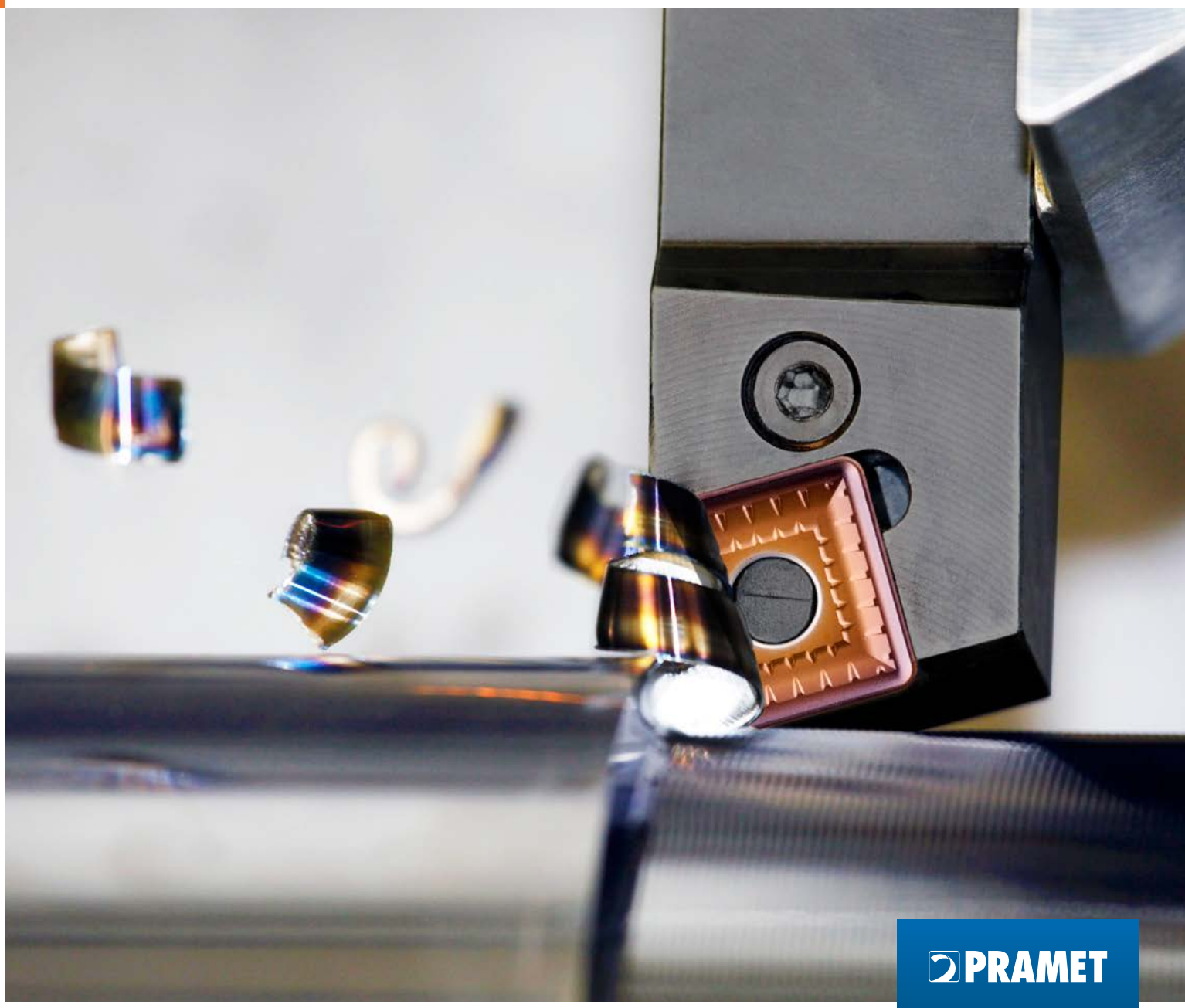
DORMER PRAMET

TORNEADO

2021 – 2022



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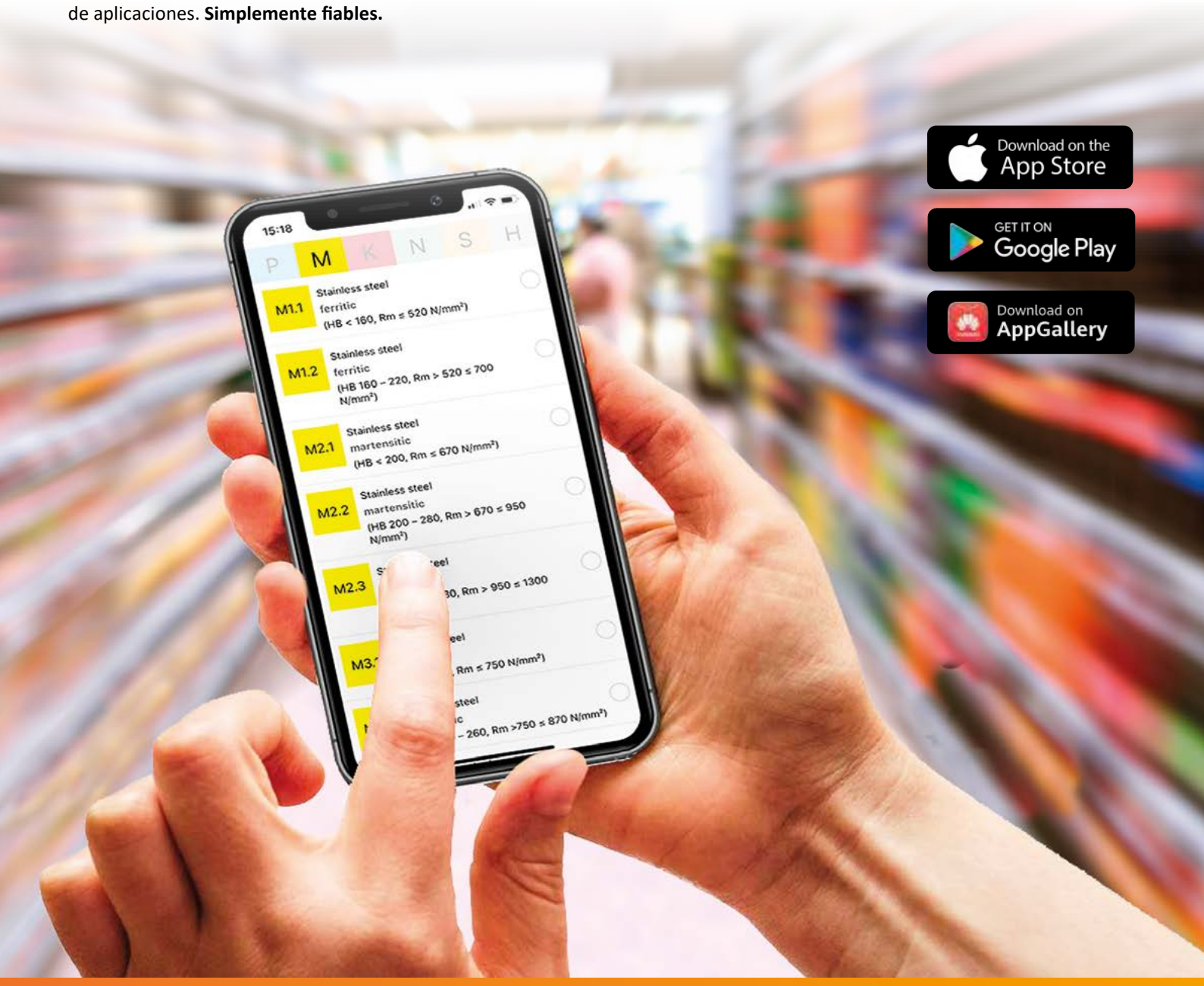
DORMER PRAMET

BÚSQUEDA RÁPIDA

Realice una búsqueda de texto de forma fácil y rápida dentro de cualquier publicación de Dormer Pramet de los últimos años a través de nuestra aplicación Biblioteca. Descárguela hoy mismo en su tienda de aplicaciones. **Simplemente fiables.**



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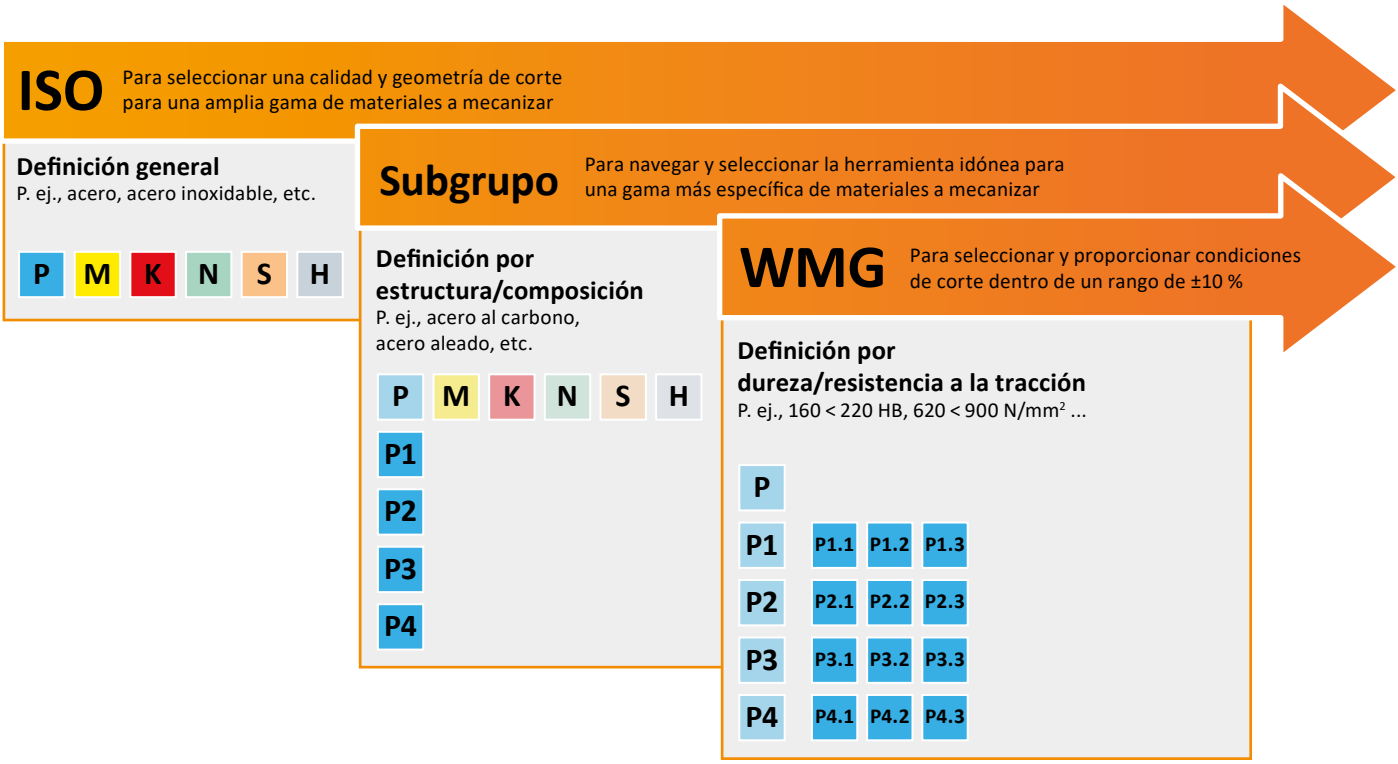
GRUPOS DE MATERIALES (WMG)



SOBRE LA CLASIFICACIÓN DE MATERIALES EN DORMER PRAMET

Los grupos de materiales («WMG») se utilizan para seleccionar de forma sencilla y fiable la herramienta de corte adecuada y los valores iniciales apropiados para las condiciones de mecanizado de aplicaciones específicas.
Dormer Pramet clasifica los materiales a mecanizar en seis grupos de diferentes colores:

- **Azul**: acero y acero fundido (grupo P);
- **Amarillo**: acero inoxidable (grupo M);
- **Rojo**: fundición (grupo K);
- **Verde**: materiales no férreos (grupo N);
- **Marrón** : aleaciones termoresistentes (grupo S);
- **Gris**: materiales endurecidos (grupo H).

Cada uno de estos grupos se divide, a su vez, en subgrupos según su estructura o composición. Por ejemplo, el grupo P de acero y acero fundido se desglosa en cuatro subgrupos:

- P1 – **Acero de fácil mecanizado**
- P2 – **Acero al carbono**
- P3 – **Acero aleado**
- P4 – **Acero para herramientas**

Finalmente, se realiza una última división en función de las propiedades del material, como la dureza y la resistencia a la tracción. Esta clasificación se lleva a cabo para ofrecer a nuestros clientes un asesoramiento completo sobre la herramienta y los valores iniciales de velocidad de corte y avance.
La tabla que se muestra en la página siguiente incluye una descripción de cada grupo de materiales a mecanizar, así como ejemplos de designaciones de uso común.

WMG (GRUPO DE MATERIAL)

GRUPO ISO		**WMG** (GRUPO DE MATERIAL)			**Dureza** (HB o HRC)	**Restistencia Traccion** (MPa)
P	P1	P1.1	Acero facil mecanizado (aceros al carbono con mayor maquinabilidad)	Sulfurizados	< 240 HB	≤ 830
		P1.2		Sulfurizados y fosforizados	< 180 HB	≤ 620
		P1.3		Sulfurizados/fosforizados y al plomo	< 180 HB	≤ 620
	P2	P2.1	ACEROS AL CARBONO (aceros compuestos principalmente de hierro y carbono)	Contiene < 0.25 % C	< 180 HB	≤ 620
		P2.2		Contiene < 0.55 % C	< 240 HB	≤ 830
		P2.3		Contiene > 0.55 % C	< 300 HB	≤ 1030
	P3	P3.1	ACEROS ALEADOS (aceros al carbono con un contenido de aleación del 10 %)	Recocido	< 180 HB	≤ 620
		P3.2		Templado y endurecido	180 – 260 HB	> 620 ≤ 900
		P3.3			260 – 360 HB	> 900 ≤ 1240
	P4	P4.1	ACERO DE HERRAMIENTAS (aleaciones especiales para herramientas, moldes y matrices)	Recocido	< 26 HRC	≤ 900
		P4.2		Templado y endurecido	26 – 39 HRC	> 900 ≤ 1240
		P4.3			39 – 45 HRC	> 1240 ≤ 1450
M	M1	M1.1	ACERO INOXIDABLE FERRITICO (aleaciones al cromo no endurecidas)		< 160 HB	≤ 520
		M1.2			160 – 220 HB	> 520 ≤ 700
	M2	M2.1	ACERO INOXIDABLE MARTENSITICO (aleaciones al cromo endurecidas)	Recocido	< 200 HB	≤ 670
		M2.2		Enfriadas y templadas	200 – 280 HB	> 670 ≤ 950
		M2.3		Templado por precipitacion	280 – 380 HB	> 950 ≤ 1300
	M3	M3.1	ACERO INOXIDABLE AUSTENITICO (aleaciones cromo - niquel y cromo - niquel - manganeso)		< 200 HB	≤ 750
		M3.2			200 – 260 HB	> 750 ≤ 870
		M3.3			260 – 300 HB	> 870 ≤ 1040
	M4	M4.1	AUTENITICO-FERRITICO (DUPLEX) O ACERO INOXIDABLE SUPER AUSTENITICO		< 300 HB	≤ 990
		M4.2	ACEROS INOXIDABLE AUSTENITICOS ENDURECIDOS POR PRECIPITACION		300 – 380 HB	≤ 1320
K	K1	K1.1	FUNDICION GRIS (ASTM A48) O FUNDICION GRIS AUTOMOCION (ASTM A159) (fundicion hierro - carbono con micro estructura de grafito laminar)	Ferritica o ferritica-perlitica	< 180 HB	≤ 190
		K1.2		Ferritica-perlitica o perlitica	180 – 240 HB	> 190 ≤ 310
		K1.3		Perlitica	240 – 280 HB	> 310 ≤ 390
	K2	K2.1	FUNDICION MALEABLE (ASTM A602) (fundición de hierro-carbono con una microestructura libre de grafito)	Ferritica	< 160 HB	≤ 400
		K2.2		Ferritica o perlitica	160 – 200 HB	> 400 ≤ 550
		K2.3		Perlitica	200 – 240 HB	> 550 ≤ 660
	K3	K3.1	FUNDICION DÚCTIL (ASTM A536) (fundición de hierro-carbono con microestructura de grafito nodular)	Ferritica	< 180 HB	≤ 560
		K3.2		Ferritica o perlitica	180 – 220 HB	> 560 ≤ 680
		K3.3		Perlitica	220 – 260 HB	> 680 ≤ 800
	K4	K4.1	FUNDICION GRIS AUSTENÍTICO (ASTM A436) (fundiciones de aleación de hierro-carbono con microestructura de grafito laminar austenítico)		< 180 HB	≤ 190
		K4.2	FUNDICION DÚCTIL AUSTENÍTICA (ASTM A439 o ASTM A571) (fundiciones de hierro-carbono con microestructura de grafito nodular austenítico)		< 240 HB	≤ 740
		K4.3	FUNDICION DÚCTIL AUSTEMPERADA (ASTM A897) (fundiciones de hierro y carbono con microestructura de ausferrita)		< 280 HB	> 840 ≤ 980
		K4.4			280 – 320 HB	> 980 ≤ 1130
		K4.5			320 – 360 HB	> 1130 ≤ 1280
	K5	K5.1	FUNDICION DE GRAFITO COMPACTADO CGI (ASTM A842) (fundición de hierro-carbono con estructura vermicular de grafito)	Ferritico	< 180 HB	≤ 400
		K5.2		Ferritico-perlitico	180 – 220 HB	> 400 ≤ 450
		K5.3		Perlitico	220 – 260 HB	> 450 ≤ 500
N	N1	N1.1	Aluminio forjado comercialmente puro		< 60 HB	≤ 240
		N1.2	Aleaciones de aluminio forjado	Templado medio	60 – 100 HB	> 240 ≤ 400
		N1.3		Templado completo	100 – 150 HB	> 400 ≤ 590
	N2	N2.1	Fundicion de aluminio		< 75 HB	≤ 240
		N2.2			75 – 90 HB	> 240 ≤ 270
		N2.3			90 – 140 HB	> 270 ≤ 440
	N3	N3.1	Aleaciones de cobre de facil mecanizacion		–	–
		N3.2	Aleaciones de cobre de viruta corta con maquinabilidad moderada		–	–
		N3.3	Cobre electrolitico y aleaciones de cobre de viruta larga con baja maquinabilidad		–	–
	N4	N4.1	Polimeros termoplasticos		–	–
		N4.2	Polimeros termoendurecibles		–	–
		N4.3	Composites o polimeros reforzados		–	–
	N5	N5.1	Grafito		–	–
S	S1	S1.1	Titanio o aleaciones de titanio		< 200 HB	≤ 660
		S1.2			200 – 280 HB	> 660 ≤ 950
		S1.3			280 – 360 HB	> 950 ≤ 1200
	S2	S2.1	Aleaciones termorresistentes con base hierro		< 200 HB	≤ 690
		S2.2			200 – 280 HB	> 690 ≤ 970
	S3	S3.1	Aleaciones termorresistentes con base niquel		< 280 HB	≤ 940
		S3.2			280 – 360 HB	> 940 ≤ 1200
	S4	S4.1	Aleaciones termorresistentes con base cobalto		< 240 HB	≤ 800
		S4.2			240 – 320 HB	> 800 ≤ 1070
H	H1	H1.1	Fundicion en frio		< 440 HB	–
	H2	H2.1	Fundiciones templadas		< 55 HRC	–
		H2.2			> 55 HRC	–
	H3	H3.1	Aceros templados < 55 HRC		< 51 HRC	–
		H3.2			51 – 55 HRC	–
	H4	H4.1	Acero templados > 55 HRC		55 – 59 HRC	–
		H4.2			> 59 HRC	–

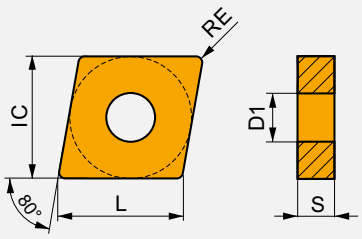
Ejemplos de materiales de mecanizado; consulte el capítulo **INFORMACIÓN TÉCNICA GENERAL** (página 539).

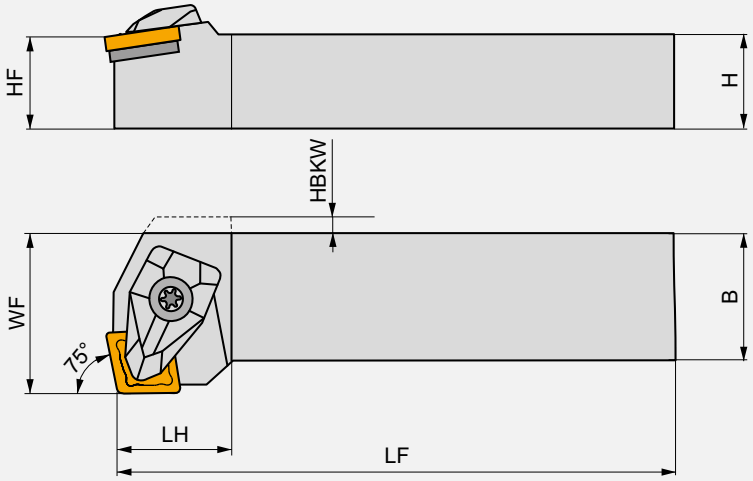
PARÁMETROS DE LA HERRAMIENTA DE CORTE DE ACUERDO CON LA NORMA ISO 13399

Todas las herramientas de corte se definen por una serie de parámetros según la norma ISO 13399. Esta lista contiene todos los parámetros utilizados en este catálogo junto con sus definiciones.

La ISO 13399 es una norma internacional relativa a las herramientas de corte. Proporciona dimensiones y parámetros en un formato neutral, que es independiente de cualquier sistema particular o nomenclatura de una empresa. Cuando las herramientas de corte están claramente definidas según una norma global, cualquier tipo de *software* puede procesar los datos electrónicos con mayor rapidez, lo que mejora la calidad de la comunicación y contribuye a que el intercambio de información sea fluido. La utilización de un lenguaje común en las descripciones de nuestras herramientas de corte facilitará la comunicación entre sistemas. Le ahorrará mucho tiempo, pues le facilitará la recopilación de datos de alta calidad de nuestras 40 000 herramientas de metal duro e indexables. Al utilizar un sistema compatible con la norma ISO 13399, no será necesario interpretar los datos e introducirlos en el sistema manualmente.

¡SOLO SON EJEMPLOS!



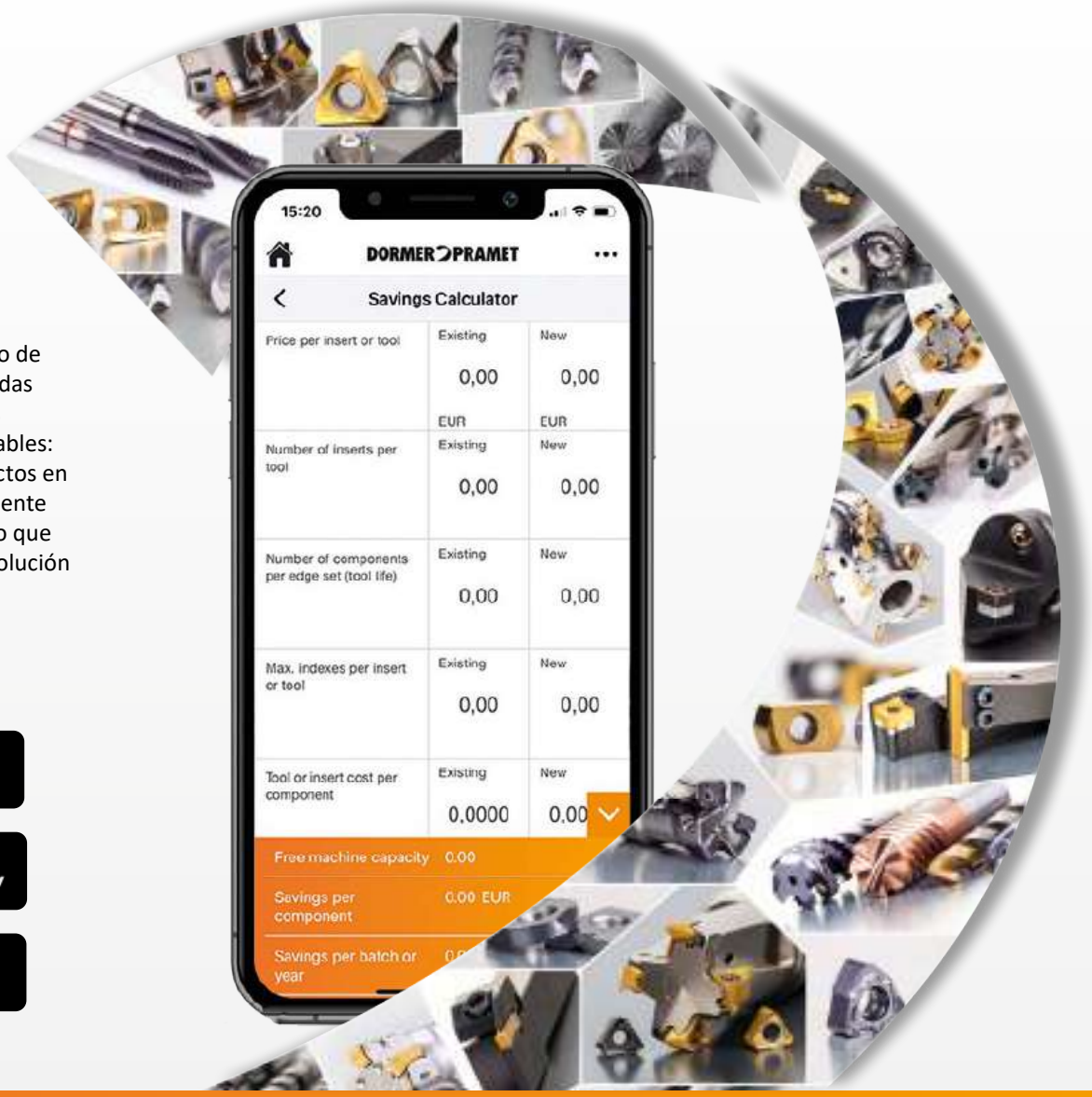


ISO 13399	Descripción
APMX	Profundidad de corte máxima
B	Ancho de mango
BD	Diámetro del cuerpo
BLRAD	Radio de refuerzo de la lama
BW	Ancho del cuerpo de la plaquita
CDX	Profundidad de corte máxima
CND	Diámetro de entrada del refrigerante
CUTDIA	Diámetro de tronzado de pieza máximo
CW	Ancho de corte
CWTOLL	Tolerancia inferior del ancho de corte
CWTOLU	Tolerancia superior del ancho de corte
D1	Diámetro del agujero de fijación
DAXIN	Diámetro interior mínimo para ranura axial
DAXN	Diámetro exterior mínimo para ranura axial
DAXX	Diámetro exterior máximo para ranura axial
DCON MS	Diámetro de conexión
DMIN	Diámetro mínimo del agujero
DMINP	Diámetro mínimo del agujero en perpendicular
GAMO	Ángulo de desprendimiento ortogonal
GAMP	Ángulo de desprendimiento axial
H	Altura del mango
HBH	Altura de compensación de la parte inferior del cabezal
HBKW	Ancho de compensación de la parte inferior del cabezal
HF	Altura funcional
IC	Diámetro de la circunferencia inscrita
INSD	Diámetro de plaquita
INSL	Longitud de plaquita

ISO 13399	Descripción
KAPR	Ángulo del filo de corte de la herramienta
L	Longitud del filo de corte
LAMS	Ángulo de inclinación
LB	Longitud del cuerpo
LF	Longitud funcional
LFA	Dimensión A en LF
LFS	Longitud funcional secundaria
LH	Longitud del cabezal
LU	Longitud útil
M	Dimensión M
OAL	Longitud total
PDX	Distancia perfil X
PDY	Distancia perfil Y
PSIRL	Ángulo de corte principal izquierda
PSIRR	Ángulo de corte principal derecha
RE	Radio de esquina
S	Espesor de la plaquita de corte
S1	Espesor total de la plaquita de corte
TP	Paso de rosca
TPI	Hilos por pulgada
TPIN	Hilos por pulgada
TPIX	Hilos por pulgada
TPN	Paso de rosca mínimo
TPX	Paso de rosca máximo
W1	Ancho de plaquita
WF	Ancho funcional
WFS	Ancho funcional secundario

DORMER PRAMET

TODAS LAS HERRAMIENTAS



La aplicación de cálculo de mecanizado incluye todas nuestras herramientas rotativas e intercambiables: ¡más de **40 000** productos en total! Independientemente del tipo de mecanizado que necesite, tenemos la solución adecuada para usted.

Simplemente fiables.

Download on the App Store

GET IT ON Google Play

Download on AppGallery

TORNEADO ISO

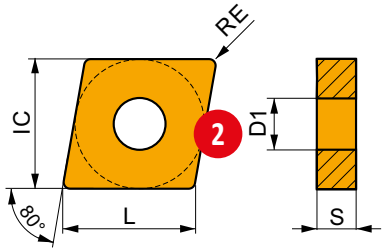
TORNEADO: ÍNDICE GENERAL

📖 6		WMG E ISO 13399
📖 10	TORNEADO ISO	INSTRUCCIONES
📖 18		NAVEGADORES
📖 57		PLAQUITAS DE CORTE POSITIVAS
📖 219		PLAQUITAS DE CORTE NEGATIVAS
📖 386		TRONZADO Y RANURADO
📖 482		TORNEADO DE ROSCAS
📖 526		BROCHADO
📖 533		INFORMACIÓN TÉCNICA

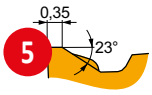
1 CNMM

PRAMET

	IC [mm]	D1 [mm]	L [mm]	S [mm]
1204	12.700	5.16	12.90	4.76
1606	15.875	6.35	16.10	6.35
1906	19.050	7.94	19.30	6.35
2509	25.400	9.12	25.80	9.53



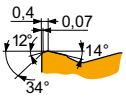
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.



6 S

10 Geometría DR para semi-desbaste y desbaste y corte continuo a interrumpido.

Product		RE [mm]	P vc [m/min]	P f [mm/rev]	P ap [mm]	M vc [m/min]	M f [mm/rev]	M ap [mm]	K vc [m/min]	K f [mm/rev]	K ap [mm]	N vc [m/min]	N f [mm/rev]	N ap [mm]	S vc [m/min]	S f [mm/rev]	S ap [mm]	H vc [m/min]	H f [mm/rev]	H ap [mm]
CNMM 160612E-DR	T9315	1.2	225	0.45	6.0	–	–	–	210	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	200	0.45	6.0	120	0.41	6.0	190	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	170	0.45	6.0	100	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 190608E-DR	T9315	0.8	215	0.40	8.0	–	–	–	200	0.40	8.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.40	8.0	110	0.36	8.0	180	0.40	8.0	–	–	–	–	–	–	–	–	–
CNMM 190612E-DR	T9315	1.2	220	0.45	8.0	–	–	–	205	0.45	8.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	195	0.45	8.0	115	0.41	8.0	185	0.45	8.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	170	0.45	8.0	100	0.41	8.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 190616E-DR	T9325	1.6	195	0.50	9.0	115	0.45	9.0	185	0.50	9.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	170	0.50	9.0	100	0.45	9.0	–	–	–	–	–	–	–	–	–	–	–	–



P

Geometría HR para desbaste a desbaste pesado con corte contínuo a interrumpido.

CNMM 190616E-HR	6640	1.6	75	0.60	10.0	45	0.54	10.0	70	0.60	10.0	–	–	–	–	–	–	–	–	–
	T8345	1.6	55	0.60	10.0	30	0.54	10.0	50	0.60	10.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	105	0.60	10.0	60	0.54	10.0	95	0.60	10.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	80	0.60	10.0	45	0.54	10.0	–	–	–	–	–	–	–	–	–	–	–	–

CNMM190616E-HR:T8345 Utilice el código de especificación completo de la plaquita de corte para realizar el pedido.

Calidad

Incluye dos puntos

Código ISO para la plaquita de corte

Página estándar donde se muestran paquitas; los detalles de la página específica serán diferentes.

PLAQUITAS DE CORTE: PÁGINA RESUMEN

Pos.	Descripción
1	Denominación de la plaquita de corte
2	Representación esquemática de la plaquita de corte
3	Tabla de tamaños de plaquita de corte (mm)
4	Imagen representativa de una plaquita de corte
5	Perfil del filo de corte principal
6	Símbolos: características especiales y tipo de filo de corte

Pos.	Descripción
7	Código ISO para la plaquita de corte
8	Calidad
9	Radios de plaquita de corte (mm)
10	Descripción de la geometría
11	Área de aplicación de la plaquita de corte

1 **DDUN(RL) INT**

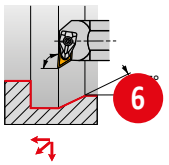
P M K N S H 2

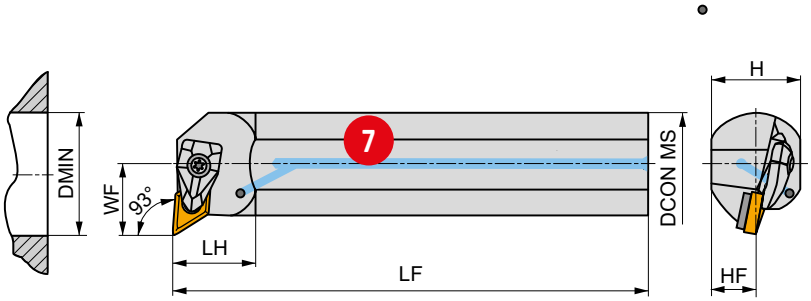
PRAMET 3 D

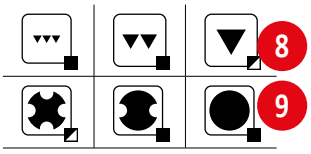
Portaherramientas de Interior con Fijación Doble, a 93°, para Plaquitas DN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 93° para plaquitas negativas DN.. 11 y 15. Agujero mínimo de Ø32 mm. Para una amplia gama de operaciones de torneado interior y copiado hasta 27°. Disponible con mangos de Ø25 hasta Ø50. Cuerpo tratado para una vida útil más larga.

5







	Product	DCON MS [mm]	DMIN [mm]	WF [mm]	H [mm]	HF [mm]	LF [mm]	LH [mm]	LAMS [°]	GAMO [°]		kg			
R	**A25T-DDUNR 11**	25	32	17	23	11.5	300	28	-12	-6	✓	0.96	GI046	DD11	–
	A32T-DDUNR 11	32	40	22	30	15	300	30	-10	-6	✓	1.68	GI046	DD11	–
	A40T-DDUNR 15	40	50	27	37	18.5	300	36	-11	-6					
	A50U-DDUNR 15	50	63	35	47	23.5	350	39	-8	-6					
L	**A25T-DDUNL 11**	25	32	17	23	11.5	300	28	-12	-6	✓	0.96	GI046	DD11	–
	A32T-DDUNL 11	32	40	22	30	15	300	30	-10	-6	✓	1.69	GI046	DD11	–
	A40T-DDUNL 15	40	50	27	37	18.5	300	36	-11	-6	✓	2.59	GI044	DD154	AT002
	A50U-DDUNL 15	50	63	35	47	23.5	350	39	-8	-6	✓	5.25	GI044	DD154	AT002

11 12 13 14 15 16 17 18

19

GI044	DN.. 1506..
GI046	DN.. 1104..

20

		Nm			
DD11	DCS 09	1.7	DDS 267-01	US 2004-T09P	FLAG T09P
DD154	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5

21

AT002a	DN.. 1504..	–	DDS 266-01
AT002b	CER DN.N 1506..	DCS 12C4	–
AT002c	CER DN.A 1506..	DCS 12C2	–

Página estándar donde se muestra el soporte de torneado; los detalles de la página específica serán diferentes.

SOPORTES DE TORNEADO: PÁGINA RESUMEN

Pos.	Descripción
1	Denominación del soporte de torneado
2	Recomendaciones de grupo de material
3	Sistema de fijación de la plaquita de corte
4	Imagen [1]
5	Descripción de la herramienta
6	Perfil de la pieza
7	Representación esquemática de la herramienta
8	Calidad de superficie posible
9	Tipo de corte/condiciones de trabajo
10	Aplicaciones del producto
11	Diseño de la herramienta

Pos.	Descripción
12	Código ISO del soporte
13	Dimensiones [mm] y ángulos [2] [°] del soporte
14	Alimentación de refrigerante interna
15	Peso [kg]
16	Grupo de plaquitas de corte compatibles [3]
17	Grupo de piezas de repuesto [3], [4]
18	Grupo de accesorios [3], [4]
19	Plaquitas de corte compatibles
20	Piezas de repuesto
21	Accesorios especiales

[1] Los portaherramientas mostrados son de diseño a derecha (R)

[2] GAMO = ángulo ortogonal (ver sección técnica)
LAMS = ángulo de desprendimiento del filo de corte (ver sección técnica)

[3] El código del grupo de plaquitas compatibles, repuestos y accesorios especiales se utiliza sólo para el uso de este catálogo. No puede ser utilizado para pedidos.

[4] Los iconos de los repuestos y accesorios especiales estan diseñados esquemáticamente para su fácil comprensión. No estan incluidos en la lista de iconos. En algunos casos, la información de los tornillos se completa con el par de apriete en Nm, longitud y tamaño de rosca.

SOPORTES DE TORNEADO: RESUMEN DE SÍMBOLOS

SÍMBOLOS GENERALES

■	Uso principal
◪	Uso posible

▼▼▼	Acabado: calidad superficial muy buena
▼▼	Mecanizado medio: calidad superficial buena
▼	Desbaste: rugosidad superficial ilimitada

●	Adecuado para condiciones de trabajo estables
	Adecuado para condiciones de trabajo inestables
	Adecuado para condiciones de trabajo muy inestables

CARACTERÍSTICAS

1	Primera elección
	Para materiales de viruta corta
	Para materiales difíciles de mecanizar (viruta larga)
	Condiciones de trabajo pesadas
HFC	Mecanizado de alto avance
HSC	Mecanizado de alta velocidad

W	Plaquita de corte con geometría wiper
	Voladizo largo
	Mecanizado de ruedas de ferrocarril
	Piezas con paredes finas y delgadas
U	Opción universal

F	Filo vivo
E	Filo redondeado
T	Filo con faceta
S	Filo redondeado con faceta
K	Filo con doble faceta
P	Filo redondeado con doble faceta

OPERACIONES DE TORNEADO

	Torneado cónico exterior
	Torneado cónico interior
	Torneado en copia (mecanizado multidireccional)
	Refrentado en copia
	Refrentado interior en copia
	Refrentado con escuadra
	Refrentado sin escuadra

	Achaflanado (biselado)
	Achaflanado (biselado) trasero
	Achaflanado interior (biselado)
	Torneado longitudinal con escuadra, exterior
	Torneado longitudinal con escuadra, interior
	Torneado longitudinal sin escuadra, exterior
	Torneado longitudinal sin escuadra, interior

	Refrentado trasero (escuadra)
	Torneado en copia multidireccional, exterior
	Torneado en copia multidireccional, interior
	Torneado en copia unidireccional, exterior
	Torneado en copia unidireccional, interior
	Ranurado radial poco profundo

SOPORTES DE TORNEADO: RESUMEN DE SÍMBOLOS

SECCIÓN TÉCNICA

FF	Acabado fino
F	Acabado
M	Mecanizado medio
R	Desbaste
HR	Desbaste pesado
X.V	Factor de multiplicación para la velocidad de corte
a_p	Profundidad de corte (mm)

f	Avance (mm/rev)
	Durabilidad (min)
	Calidad
(MT)CVD PVD	Recubrimiento
V	Velocidad de corte
	Perfil del filo de corte
	Refrigerante

	Velocidad de corte muy alta (condiciones estables)
	Velocidad de corte alta, alta rigidez del sistema (condiciones estables)
	Velocidad de corte alta, rigidez del sistema ligeramente limitada (profundidad de corte variable)
	Velocidad de corte media, rigidez del sistema limitada (corte ligeramente interrumpido)
	Velocidad de corte baja, rigidez del sistema baja (corte interrumpido)
	Velocidad de corte muy baja, rigidez del sistema muy baja (condiciones muy inestables)

OTROS

Nm	Par de apriete del tornillo [Nm]
	Grupo de cabezales de desbaste
	Refrigeración interna

PLAQUITAS ISO POSITIVAS: NAVEGADOR

CCGT

60

CCMT

62

CCMW

68

CCGW CBN

69

DCGT

86

DCMT

87

DCMW

92

DCGW CBN

92

DCMW PCD

93

ECGT

104

ECMT

105

ECMW

106

EPGX

110

EPMT

110

RCGT

118

RCMT

118

RCMW

120

RCMX

121

RCGX CER

123

SCGT

134

SCMT

135

SCMW

138

SPMR

146

SPUN

146

SPGN CER

147

TCGT

149

TCMT

150

TCMW

154

TCGW CBN

154

PLAQUITAS ISO POSITIVAS: NAVEGADOR

TPGX

162

TPMR

163

TPUN

164

TPGN CER

164

VBMT

168

VBGW CBN

171

VCGT

186

VCGW

189

VCGX

189

VCMT

190

VCMW

191

VCMW PCD

192

WCGT

212

WCGX

213

WCMT

213

PLAQUITAS ISO NEGATIVAS: NAVEGADOR

CNGG

222

CNMA

222

CNMG

223

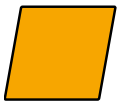
CNMM

234

CNGA CER

238

CNGN CER



238

CNGA CBN

239

DNMA

260

DNMG

260

DNMM

270

DNGA CER

271

DNGN CER

271

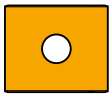
DNGA CBN

272

KNUX

284

LNUX 40, LN.X 50



289

RNMG

294

RNGN CER

294

PLAQUITAS ISO NEGATIVAS: NAVEGADOR

SNMA

300

SNMG

301

SNMM

307

SNMX

311

SNGA CER

311

SNGN CER

312

TNMA

334

TNMG

335

TNMM

342

TNGA CER

343

TNGN CER

344

TNGA CBN

344

VNMG

356

VNGA CER

359

VNGA CBN

359

WNMA

366

WNMG

366

WNMM

375

WNGA CBN

376

P

Primera elección

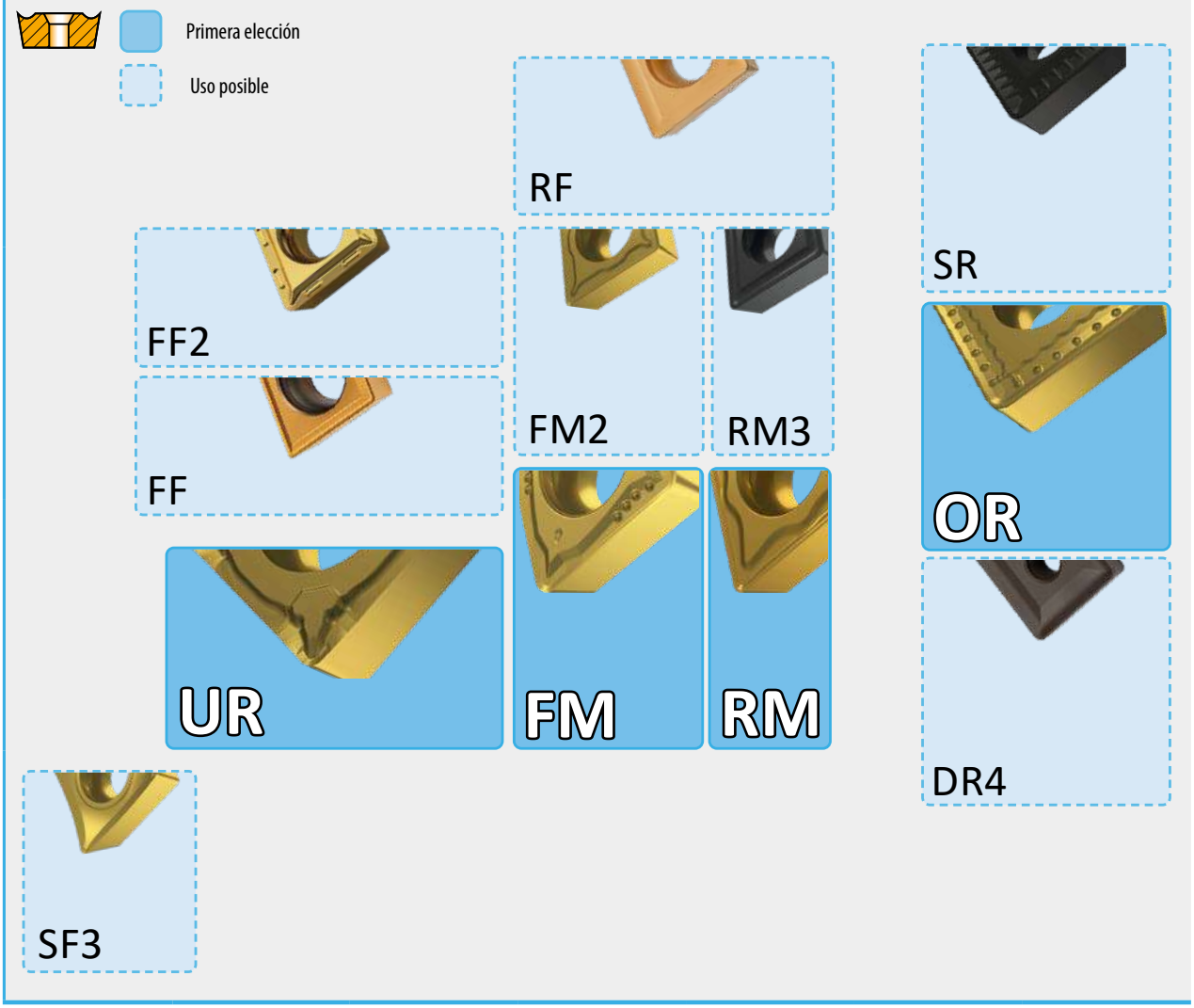
Uso posible

Condiciones muy inestables

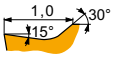
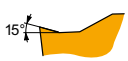
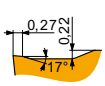
Condiciones inestables

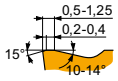
Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f ⇨	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

UR		Apta para el mecanizado fino hasta el mecanizado de acabado, aceros y fundiciones y potencialmente acero inoxidable, cortes continuos e interrumpidos
FM		Apta para el mecanizado de acabado hasta el mecanizado de semidesbaste, aceros y aceros inoxidables, potencialmente fundiciones y materiales no férreos, cortes continuos y moderadamente interrumpidos
RM		Apta para el mecanizado de semidesbaste, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones y materiales endurecidos, cortes continuos e interrumpidos

OR		Apta para el mecanizado de desbaste y de desbaste pesado, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones, cortes continuos e interrumpidos

M

Primera elección

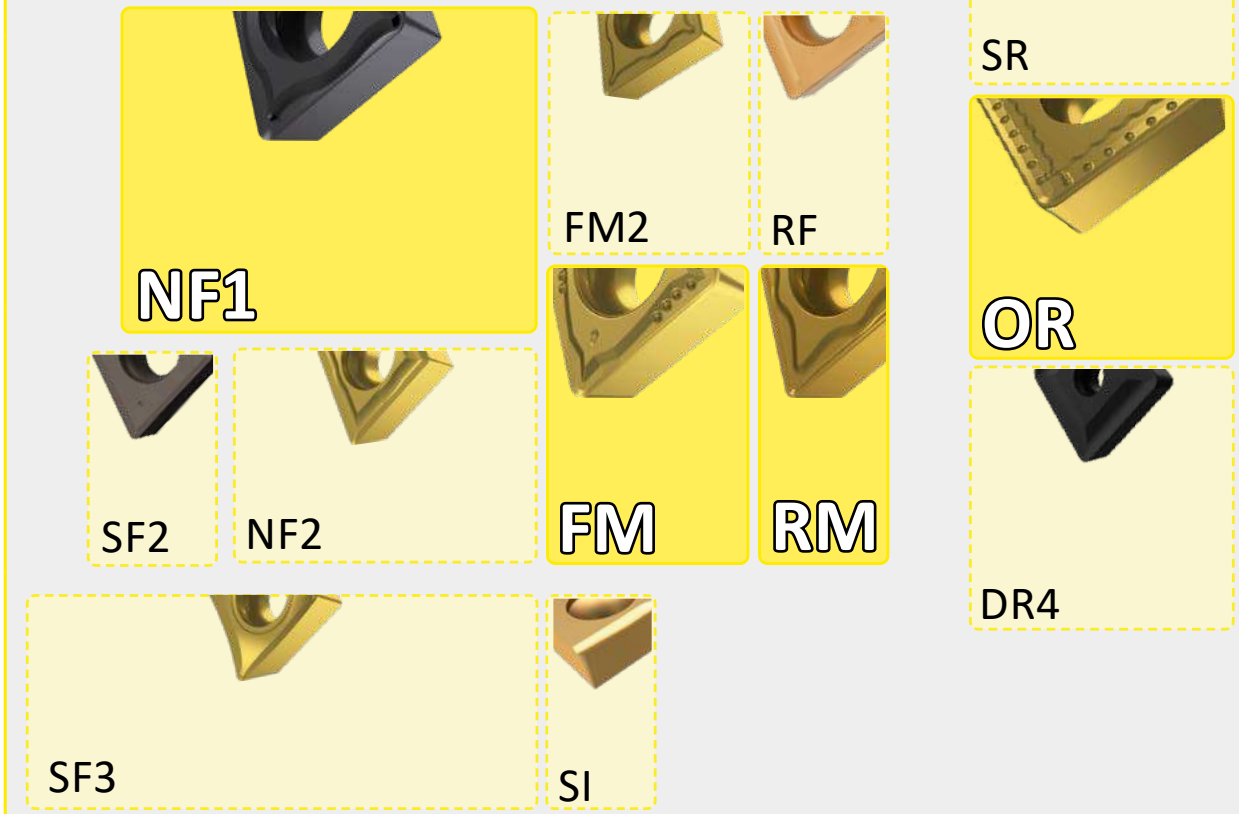
Uso posible

Condiciones muy inestables

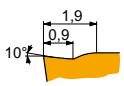
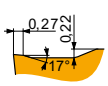
Condiciones inestables

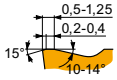
Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

NF1		Diseño positivo para mecanizado de acabado fino a medio, aceros inoxidables y superaleaciones, potencialmente aceros, materiales no férreos y materiales duros, cortes continuos
FM		Apta para el mecanizado de acabado hasta el mecanizado de semidesbaste, aceros y aceros inoxidables, potencialmente fundiciones y materiales no férreos, cortes continuos y moderadamente interrumpidos
RM		Apta para el mecanizado de semidesbaste, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones y materiales endurecidos, cortes continuos e interrumpidos

OR		Apta para el mecanizado de desbaste y de desbaste pesado, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones, cortes continuos e interrumpidos

K

Primera elección

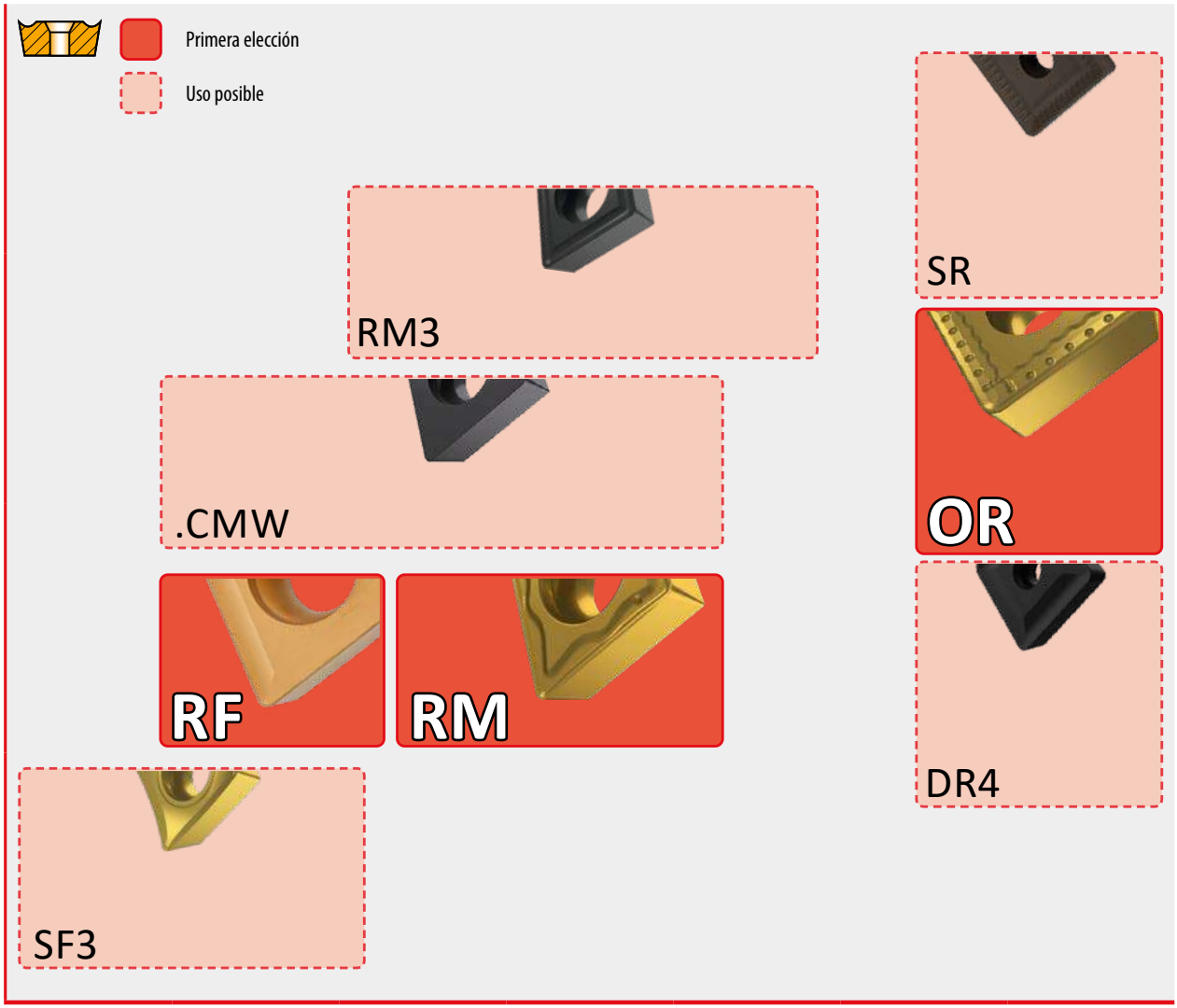
Uso posible

Condiciones muy inestables

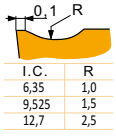
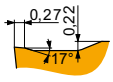
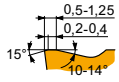
Condiciones inestables

Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

RF	 I.C. / R: 6,35 / 1,0; 9,525 / 1,5; 12,7 / 2,5	Apta para mecanizado de desbaste, fundiciones, potencialmente aceros, aceros inoxidables y materiales duros, cortes continuos e interrumpidos
RM		Apta para el mecanizado de semidesbaste, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones y materiales endurecidos, cortes continuos e interrumpidos
OR		Apta para el mecanizado de desbaste y de desbaste pesado, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones, cortes continuos e interrumpidos

N

Primera elección

Uso posible

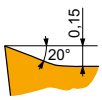
Condiciones muy inestables

Condiciones inestables

Condiciones estables

Piezas delgadas y de paredes delgadas

	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

SF3		Diseño muy positivo para mecanizado fino y de acabado, superaleaciones, aceros inoxidables y materiales no férreos, potencialmente acero, fundiciones y materiales duros, cortes continuos
AL		Diseño altamente positivo para mecanizado de acabado fino y de desbaste, aluminio, aleaciones de aluminio y otros materiales no férreos, potencialmente superaleaciones, cortes continuos

S

Primera elección

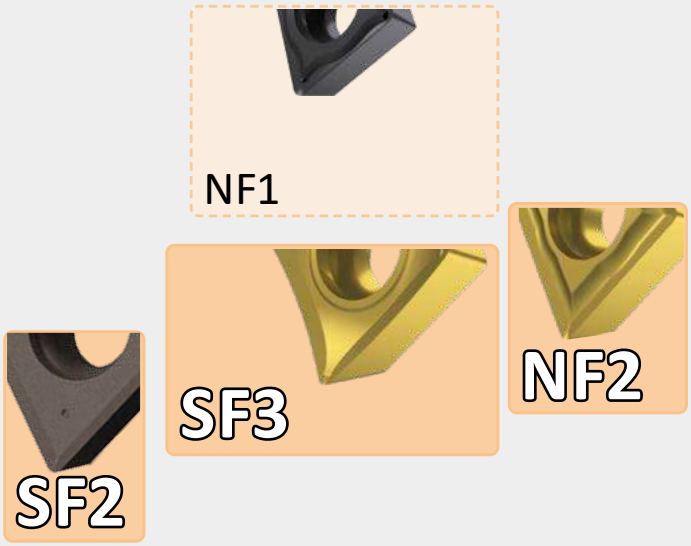
Uso posible

Condiciones muy inestables

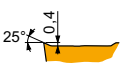
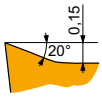
Condiciones inestables

Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

SF2		Diseño muy positivo para mecanizado fino y mecanizado de acabado, superaleaciones, potencialmente aceros inoxidables, aceros y materiales no férreos, cortes continuos
SF3		Diseño muy positivo para mecanizado fino y de acabado, superaleaciones, aceros inoxidables y materiales no férreos, potencialmente acero, fundiciones y materiales duros, cortes continuos
NF2		Diseño positivo para mecanizado de acabado fino a semidesbaste, aceros inoxidables y superaleaciones, cortes continuos

H

Primera elección

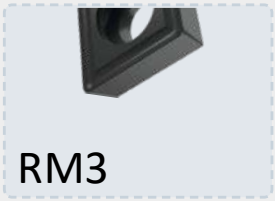
Uso posible

Condiciones muy inestables

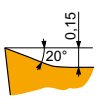
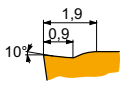
Condiciones inestables

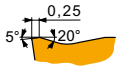
Condiciones estables

Piezas delgadas y de paredes delgadas

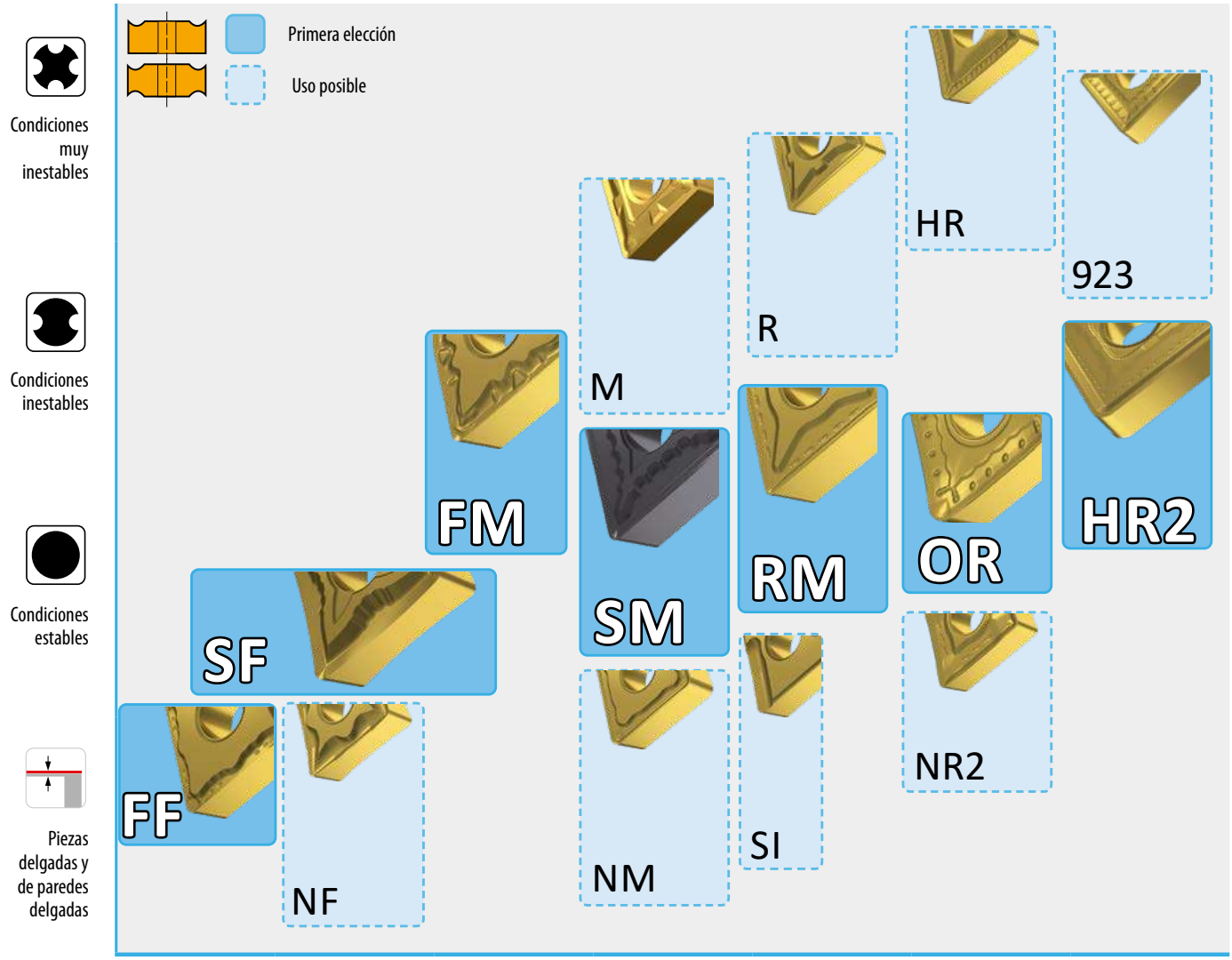


	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

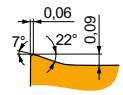
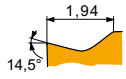
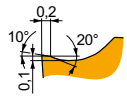
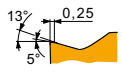
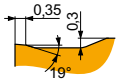
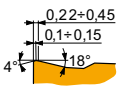
SF3		Diseño muy positivo para mecanizado fino y de acabado, superaleaciones, aceros inoxidables y materiales no férreos, potencialmente acero, fundiciones y materiales duros, cortes continuos
NF1		Diseño positivo para mecanizado de acabado fino a medio, aceros inoxidables y superaleaciones, potencialmente aceros, materiales no férreos y materiales duros, cortes continuos
.CMW		Apta para mecanizado de acabado fino a semidesbaste, fundiciones, potencialmente materiales duros, cortes continuos y ligeramente interrumpidos

RM3		Apta para mecanizado de desbaste, fundiciones, potencialmente aceros, aceros inoxidables y materiales duros, cortes continuos e interrumpidos

P



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

FF		Geometría altamente positiva diseñada para mecanizado de acabado fino, acero inoxidable y acero, potencialmente fundiciones, cortes continuos
SF		Geometría positiva versátil diseñada para mecanizado de acabado fino, aceros, aceros inoxidables, fundiciones, superaleaciones y materiales duros, potencialmente materiales no férreos y para el mecanizado de paredes delgadas, con cortes continuos
FM		Geometría positiva diseñada para mecanizado de acabado a mecanizado de semidesbaste, acero y fundiciones, potencialmente superaleaciones, cortes continuos y moderadamente interrumpidos
SM		Geometría positiva diseñada para mecanizado medio, aceros inoxidables, superaleaciones, aceros y fundiciones, potencialmente materiales no férreos y materiales duros y para el mecanizado de paredes delgadas, cortes continuos e interrumpidos
RM		Apta para mecanizado de semidesbaste y de desbaste, aceros, aceros inoxidables y fundiciones, potencialmente superaleaciones, cortes continuos e interrumpidos
OR		Apta para mecanizado de acabado y de desbaste pesado, aceros y fundiciones, potencialmente acero inoxidable y superaleaciones, cortes continuos e interrumpidos

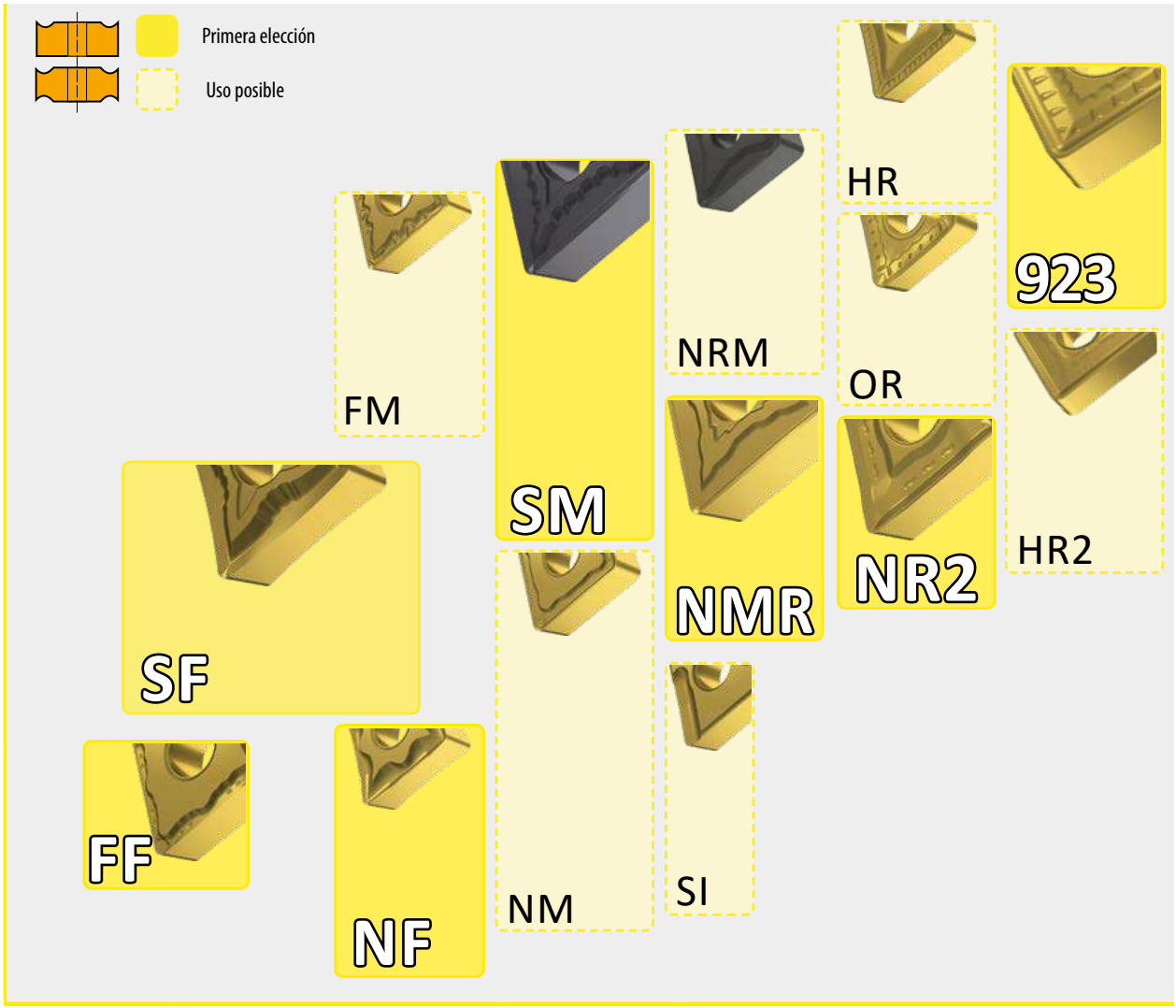
M

Condiciones muy inestables

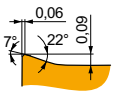
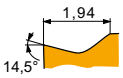
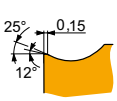
Condiciones inestables

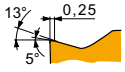
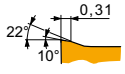
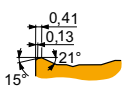
Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

FF		Geometría altamente positiva diseñada para mecanizado de acabado fino, acero inoxidable y acero, potencialmente fundiciones, cortes continuos
SF		Geometría positiva versátil diseñada para mecanizado de acabado fino, aceros, aceros inoxidables, fundiciones, superaleaciones y materiales duros, potencialmente materiales no férreos y para el mecanizado de paredes delgadas, con cortes continuos
NF		Diseño altamente positivo para mecanizado de acabado fino a medio, aceros inoxidables, acero, potencialmente fundiciones, materiales no férreos y superaleaciones, cortes continuos

SM		Geometría positiva diseñada para mecanizado medio, aceros inoxidables, superaleaciones, aceros y fundiciones, potencialmente materiales no férreos y materiales duros y para el mecanizado de paredes delgadas, cortes continuos e interrumpidos
NMR		Diseño positivo para mecanizado medio hasta mecanizado de desbaste, aceros inoxidables, así como aceros suaves y superaleaciones, cortes continuos
NR2		Apta para mecanizado de acabado hasta mecanizado de desbaste, aceros inoxidables y aceros, potencialmente fundiciones y superaleaciones, cortes continuos e interrumpidos

K

Primera elección

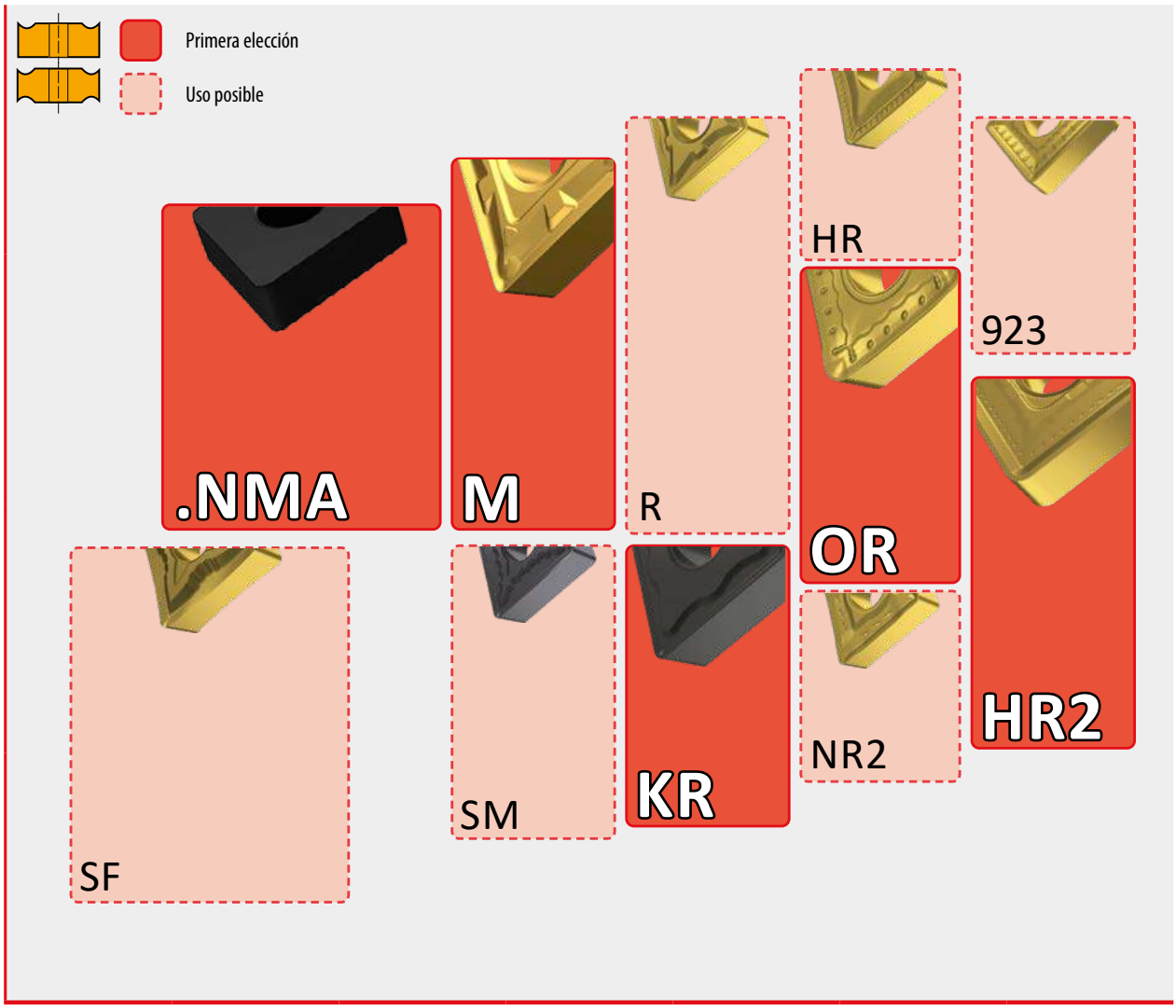
Uso posible

Condiciones muy inestables

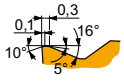
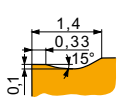
Condiciones inestables

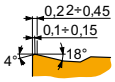
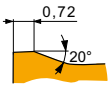
Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

.NMA		Apta para mecanizado de acabado fino a semidesbaste, fundiciones, potencialmente materiales duros, cortes continuos y ligeramente interrumpidos
M		Apta para mecanizado de acabado y de semidesbaste, fundiciones, potencialmente aceros y materiales duros, cortes continuos e interrumpidos
KR		Apta para mecanizado de semidesbaste y de desbaste, fundiciones, potencialmente acero y materiales duros, cortes continuos e interrumpidos

OR		Apta para mecanizado de acabado y de desbaste pesado, aceros y fundiciones, potencialmente acero inoxidable y superaleaciones, cortes continuos e interrumpidos
HR2		Apta para mecanizado de desbaste a mecanizado de desbaste pesado con alto avance, aceros y fundiciones, potencialmente aceros inoxidables, cortes continuos e interrumpidos

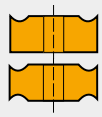
N

Condiciones muy inestables

Condiciones inestables

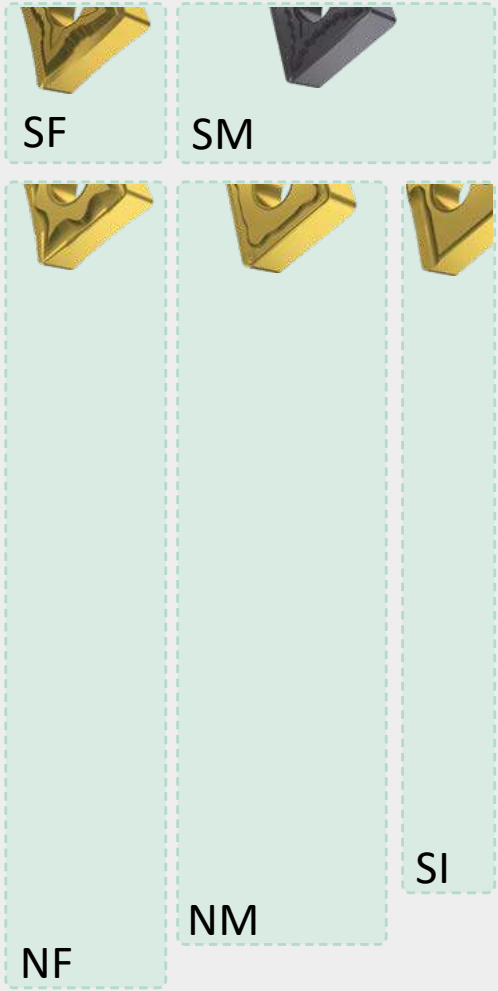
Condiciones estables

Piezas delgadas y de paredes delgadas

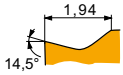
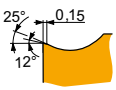
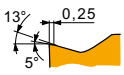


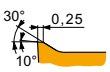
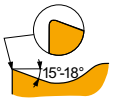
Primera elección

Uso posible



	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

SF		Geometría positiva versátil diseñada para mecanizado de acabado fino, aceros, aceros inoxidables, fundiciones, superaleaciones y materiales duros, potencialmente materiales no férreos y para el mecanizado de paredes delgadas, con cortes continuos
NF		Diseño altamente positivo para mecanizado de acabado fino a medio, aceros inoxidables, acero, potencialmente fundiciones, materiales no férreos y superaleaciones, cortes continuos
SM		Geometría positiva diseñada para mecanizado medio, aceros inoxidables, superaleaciones, aceros y fundiciones, potencialmente materiales no férreos y materiales duros y para el mecanizado de paredes delgadas, cortes continuos e interrumpidos

NM		Diseño altamente positivo para mecanizado de acabado fino, medio y mecanizado de desbaste, aceros inoxidables, aceros, potencialmente materiales no férreos y superaleaciones, cortes continuos
SI		Geometría positiva para el mecanizado fino hasta mecanizado de semidesbaste, aceros, aceros inoxidables y fundiciones, y potencialmente materiales no férreos, cortes continuos

S

Primera elección

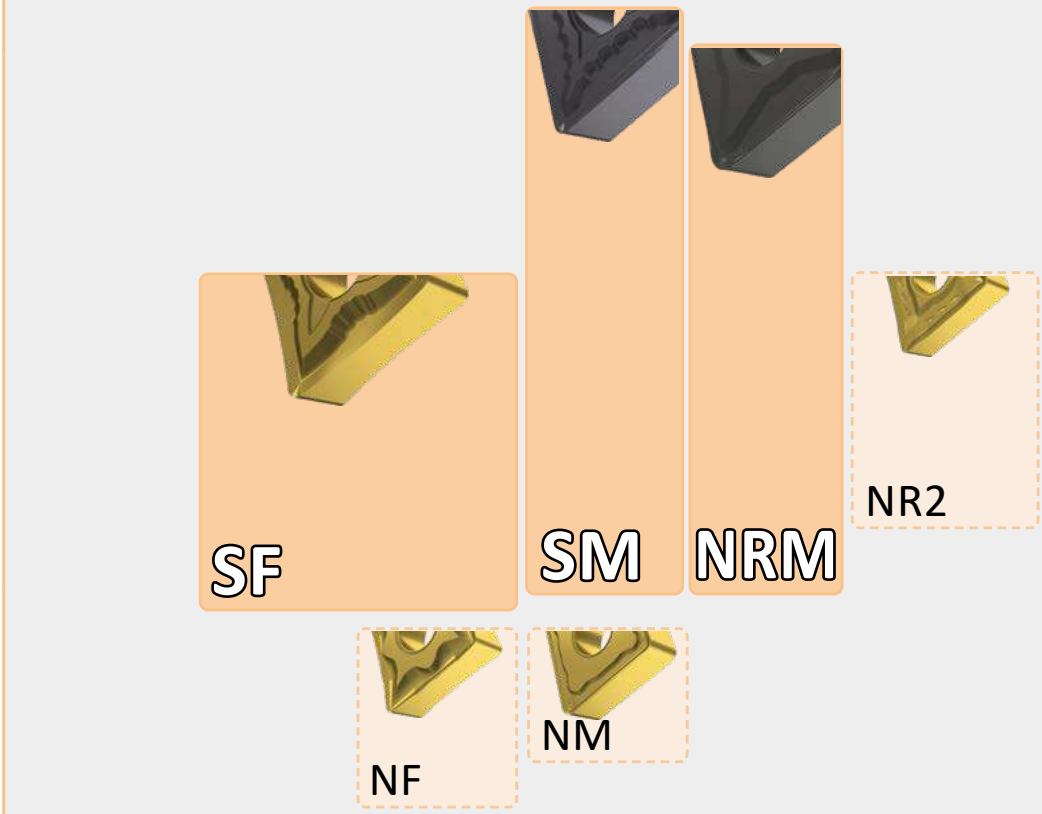
Uso posible

Condiciones muy inestables

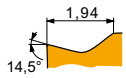
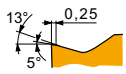
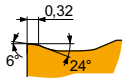
Condiciones inestables

Condiciones estables

Piezas delgadas y de paredes delgadas



	FF	F	M	R	HR
f ⇨	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

SF		Geometría positiva versátil diseñada para mecanizado de acabado fino, aceros, aceros inoxidables, fundiciones, superaleaciones y materiales duros, potencialmente materiales no férreos y para el mecanizado de paredes delgadas, con cortes continuos
SM		Geometría positiva diseñada para mecanizado medio, aceros inoxidables, superaleaciones, aceros y fundiciones, potencialmente materiales no férreos y materiales duros y para el mecanizado de paredes delgadas, cortes continuos e interrumpidos
NRM		Diseño positivo para mecanizado de semidesbaste y de desbaste, acero inoxidable, aceros suaves y superaleaciones, cortes continuos

H

Primera elección

Uso posible

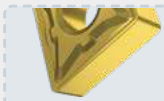
Condiciones muy inestables

Condiciones inestables

Condiciones estables

Piezas delgadas y de paredes delgadas

.NMA

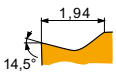
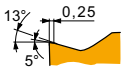


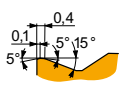
R

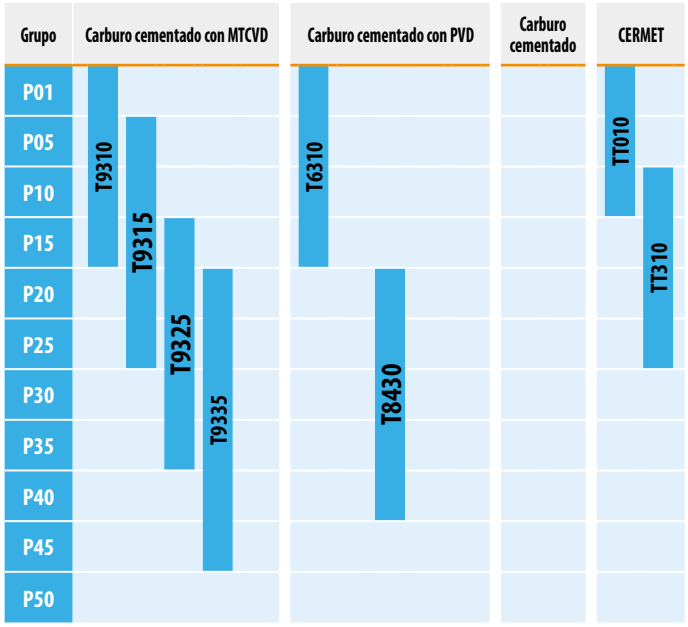
SM

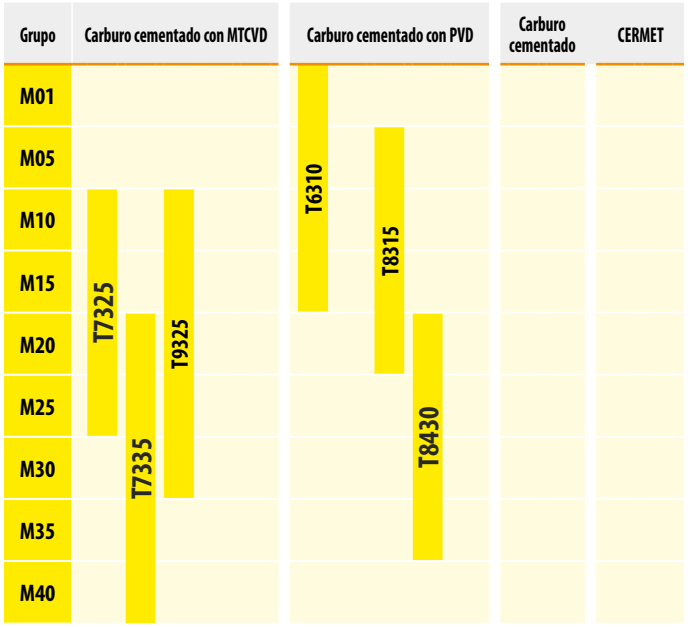
SF

	FF	F	M	R	HR
f	0.05 – 0.2 mm/rev	0.05 – 0.2 mm/rev	0.2 – 0.4 mm/rev	0.4 – 1.0 mm/rev	> 1.0 mm/rev
a_p	0.05 – 2 mm	0.05 – 2 mm	2 – 4 mm	4 – 10 mm	> 10 mm

SF		Geometría positiva versátil diseñada para mecanizado de acabado fino, aceros, aceros inoxidables, fundiciones, superaleaciones y materiales duros, potencialmente materiales no férreos y para el mecanizado de paredes delgadas, con cortes continuos
SM		Geometría positiva diseñada para mecanizado medio, aceros inoxidables, superaleaciones, aceros y fundiciones, potencialmente materiales no férreos y materiales duros y para el mecanizado de paredes delgadas, cortes continuos e interrumpidos
.NMA		Apta para mecanizado de acabado fino a semidesbaste, fundiciones, potencialmente materiales duros, cortes continuos y ligeramente interrumpidos

R		Apta para mecanizado de semidesbaste y de desbaste, fundiciones, potencialmente acero y materiales duros, cortes continuos e interrumpidos


Grupo
Carburo cementado con MTCVD
Carburo cementado con PVD
Carburo cementado
CERMET
P01
P05
P10
P15
P20
P25
P30
P35
P40
P45
P50
T9310
T9315
T9325
T9335
T6310
T8430
TT010
TT310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Carburo cementado con MTCVD
Carburo cementado con PVD
Carburo cementado
CERMET
M01
M05
M10
M15
M20
M25
M30
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M40
T7325
T7335
T9325
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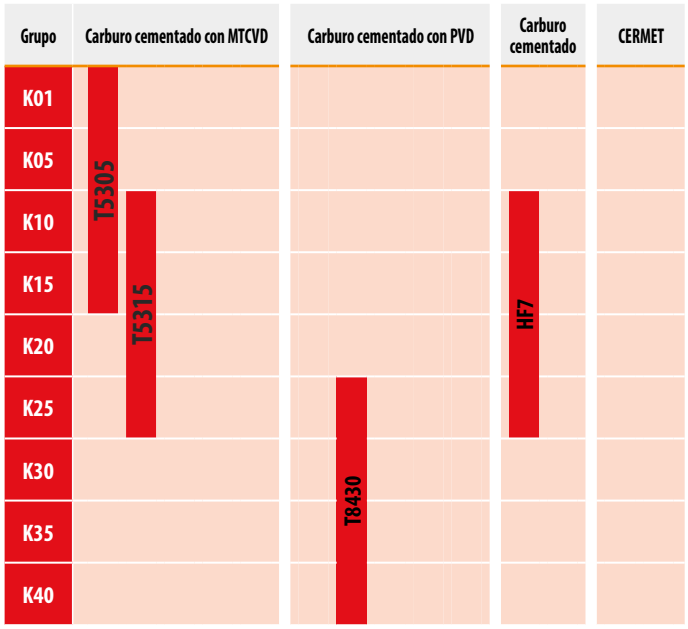
T8315
T8430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Carburo cementado con PVD
Carburo cementado
CERMET
K01
K05
K10
K15
K20
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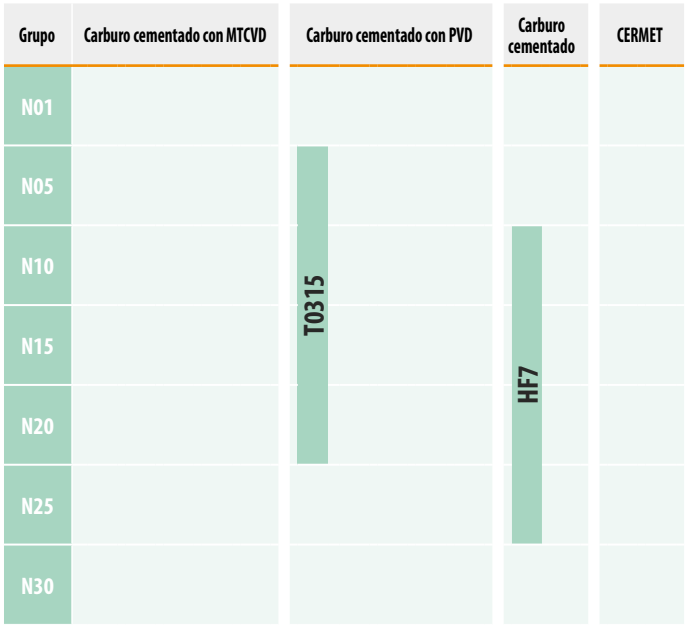
T5315
T8430
HF7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N01
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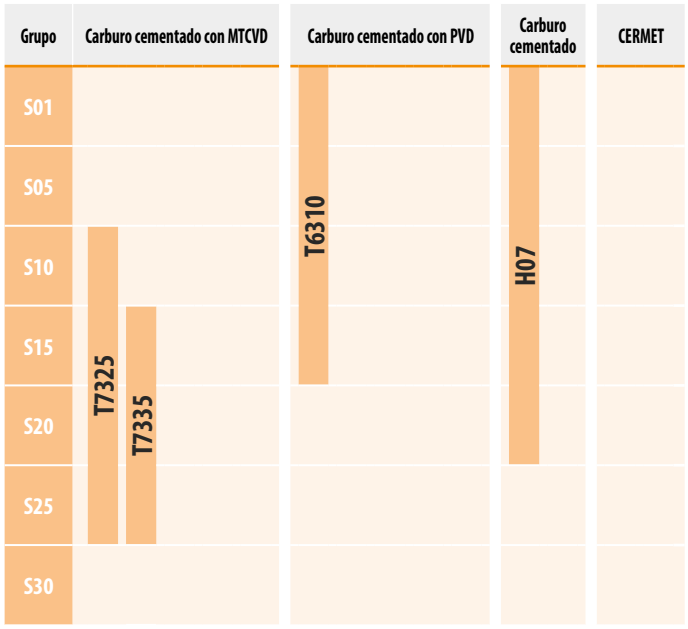
N30
T0315
HF7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Carburo cementado con PVD
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S01
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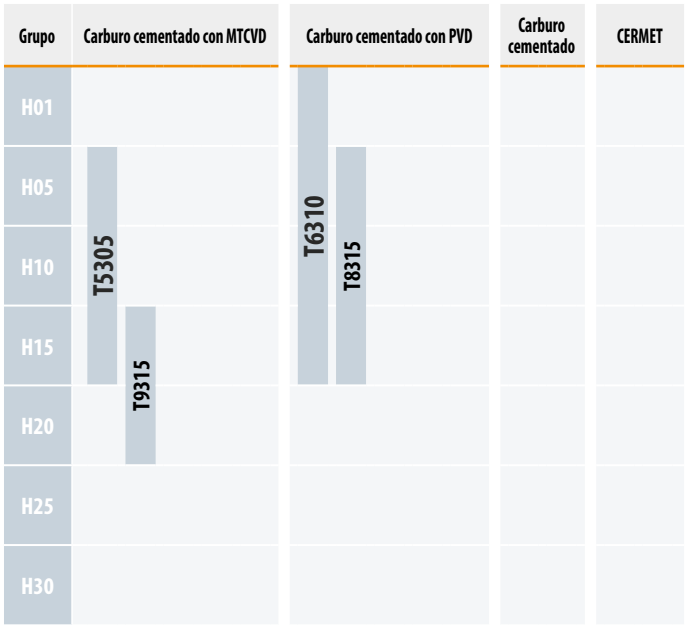
T6310
H07


Grupo
Carburo cementado con MTCVD
Carburo cementado con PVD
Carburo cementado
CERMET
H01
H05
H10
H15
H20
H25
H30
T5305
T9315
T6310
T8315

CALIDADES DE TORNEADO: NAVEGADOR

Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
T9310	P01 - P15 K05 - K20 H10 - H20	■ ◪ ◪				MT-CVD		FGM	+ +	Calidad con alta resistencia a la abrasión que se puede utilizar para cortes ligeramente interrumpidos. Se utiliza para operaciones de acabado o semidesbaste. Este material es apto también para tareas de desbaste, siempre que la configuración máquina-pieza-herramienta sea lo suficientemente rígida.
T9315	P05 - P25 K05 - K25 H10 - H20	■ ◪ ◪				MT-CVD		FGM	+ +	Una calidad versátil con una excelente resistencia al desgaste, incluso con condiciones de corte intensivas. También se puede utilizar para operaciones con cortes interrumpidos. Gracias a sus propiedades bien equilibradas, esta calidad constituye la mejor opción para una amplia variedad de operaciones de torneado. No se recomienda para velocidades de corte bajas.
T9325	P15 - P35 M10 - M30 K15 - K35 S10 - S20	■ ■ ◪ ◪				MT-CVD		FGM	+ +	Desde el punto de vista tecnológico, se trata de una calidad extremadamente versátil con una elevada resistencia a los daños mecánicos en condiciones de corte adversas y ofrece una excelente resistencia al desgaste. El uso correcto de este material requiere altas velocidades de corte.
T9335	P20 - P45 M15 - M40 S15 - S25	■ ■ ◪				MT-CVD		FGM	+ + +	Una de las calidades mas resistentes, especialmente adecuada para condiciones de corte adversas a velocidades de avance elevadas y velocidades de corte medias. En comparacion con sus predecesores no solo es mas resistente, sino que tambien es mas estable frente a la abrasion, lo que será util cuando se utilice en condiciones de corte intensivas.
T7325	P15 - P35 M10 - M25 S10 - S25	◪ ■ ■				MT-CVD		FGM	+ + +	Una de las calidades de torneado más universales. Es especialmente adecuada para el mecanizado de acero inoxidable. Presenta un equilibrio óptimo entre resistencia al desgaste y fiabilidad de funcionamiento. Adecuada para una amplia variedad de aplicaciones en operaciones de torneado.
T7335	P20 - P40 M20 - M40 S15 - S25	◪ ■ ■				MT-CVD		FGM	+ + +	Calidad con gradiente funcional que se caracteriza por una fiabilidad de funcionamiento muy alta y una muy buena resistencia al desgaste. Es la mas adecuada para el mecanizado de materiales muy resistentes.
T5305	P05 - P15 K01 - K15 H05 - H15	◪ ■ ◪				MT-CVD		H	+	Calidad con una resistencia al desgaste quimico muy elevada; es adecuada para operaciones de acabado a elevadas velocidades de corte. Gracias a su alta resistencia a la abrasion, tambien es adecuada para el mecanizado productivo de materiales endurecidos y tratados.
T5315	P10 - P25 K10 - K25 H15 - H25	◪ ■ ◪				MT-CVD		H	+	Calidad destinada principalmente al mecanizado productivo, caracterizada por una gran resistencia a la abrasión y una buena fiabilidad de funcionamiento. Debido a sus propiedades, este material es particularmente adecuado para operaciones de acabado y de desbaste con condiciones de corte buenas o ligeramente adversas.
6640	P20 - P40 M20 - M35 K25 - K40	■ ■ ■				MT-CVD		H	+ + +	Uno de los materiales de torneado más resistentes que puede utilizarse especialmente en operaciones de desbaste, o cuando la fiabilidad de funcionamiento en condiciones de corte adversas es una prioridad. Otra opción ideal para las máquinas que trabajan con velocidades de corte bajas o medias y velocidades de avance medias o altas.

CALIDADES DE TORNEADO: NAVEGADOR

Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
T8315	P05 - P20 M05 - M20 K05 - K25 N05 - N25 S05 - S15 H05 - H15	◪ ■ ■ ■ ◪ ■				PVD		submicron H	+ +	Calidad que presenta una excelente resistencia a la abrasión, a la vez que mantiene una fiabilidad de funcionamiento superior a la media; es adecuada para el mecanizado a velocidades de corte medias y altas en materiales duros de viruta corta.
T8430 NEW	P20 - P40 M20 - M35 K25 - K40 N15 - N30 S15 - S25 H15 - H25	■ ■ ◪ ◪ ◪ ◪				PVD		submicron H	+ + +	Sin duda, el material de corte mas versatil; resulta idoneo para el mecanizado de todo tipo de materiales y es adecuado para casi todas las operaciones de torneado. Sus principales ventajas son su elevada fiabilidad de funcionamiento y sus excelentes propiedades de fricción, por lo que es adecuado para aplicaciones con velocidades de corte medias y bajas.
T8330	P25 - P40 M20 - M35 K20 - K40 N15 - N30 S15 - S25 H15 - H25	■ ■ ■ ◪ ◪ ◪				PVD		submicron H	+ + +	Material de corte versatil; resulta idoneo para el mecanizado de todo tipo de materiales y es adecuado para casi todas las operaciones de torneado. Sus principales ventajas son su elevada fiabilidad de funcionamiento y sus excelentes propiedades de fricción, por lo que es adecuado para aplicaciones con velocidades de corte medias y bajas.
T8345	P30 - P50 M20 - M40 K30 - K40 S20 - S30	■ ◪ ◪ ◪				PVD		submicron H	+ + +	Se trata de la calidad de torneado más resistente, concebida principalmente para el mecanizado en las peores condiciones de corte y en aplicaciones con los más altos requisitos de fiabilidad de funcionamiento. Debido a sus propiedades, este material está recomendado para velocidades de corte bajas.
T6310	P01 - P15 M01 - M15 K05 - K20 N05 - N20 S01 - S15 H01 - H15	■ ■ ■ ■ ■ ■				PVD		ultra submicron H	+ + +	Calidad de torneado altamente resistente al desgaste con recubrimiento PVD. Resulta ideal para operaciones y aplicaciones de acabado donde es de gran importancia contar con un filo de corte afilado y una gran resistencia al desgaste en flanco.
T0315	N05 - N20	■				PVD		submicron H	+ +	Calidad submicron para el torneado de metales no ferreos y sus aleaciones, con un buen equilibrio entre resistencia al desgaste y tenacidad. Cuenta con un recubrimiento unico con excelentes propiedades de friccion.
HF7	M10 - M20 K10 - K25 N10 - N25	◪ ■ ■				×		submicron H	+ +	Calidad sin recubrimiento, diseñada fundamentalmente para el mecanizado de metales no ferreos; pero tambien se puede utilizar para otros materiales (excepto acero). Este material puede utilizarse para torneado, fresado e incluso mandrinado.
H07	M05 - M15 K10 - K25 N10 - N30 S01 - S20	◪ ■ ■ ■				×		submicron H	+ +	Calidad de torneado sin recubrimiento, adecuada para aplicaciones de mecanizado donde la resistencia a la oxidación no es el criterio determinante para la vida útil de la herramienta. Diseñada para el mecanizado de aleaciones con base de Ti. Esta calidad presenta una alta resistencia del filo de corte, junto con una buena resistencia al desgaste.
TT310	P10 - P25 M15 - M25	■ ◪				PVD		cermet	+ / –	Cermet con recubrimiento, que se utiliza para el torneado fino y en acabado de aceros al carbono y aleados (incluidos los inoxidables). Sus excelentes propiedades de friccion mejoran aun mas gracias al recubrimiento aplicado mediante la tecnica PVD.

CALIDADES DE TORNEADO: NAVEGADOR

Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
TT010	P01 - P10 M01 - M10	■ ◪				×		cermet	+ / –	Cermet sin recubrimiento, adecuado para el mecanizado fino de todo tipo de aceros (incluido el inoxidable) a velocidades de avance muy bajas. Su principal ventaja es el radio mínimo del filo de corte y su alta resistencia a los mecanismos de desgaste físico y químico.
TC100	K01 - K15	■				×		ceramics	– -	Calidad cerámica para mecanizado de fundición. Ideal para el mecanizado a elevadas velocidades de corte con condiciones estables.
TB310	K01 - K10 S05 - S10 H01 - H10	■ ◪ ◪				×		CBN	– -	La calidad CBN es adecuada para el mecanizado de materiales endurecidos. Ideal para el mecanizado a elevadas velocidades de corte y avances lentos con condiciones estables.
PD1	N05 - N25	■				×		PCD	-	Calidad PCD para el torneado de materiales no ferreos. Es la eleccion ideal para trabajar a elevadas velocidades de corte y avances lentos con condiciones estables.
333TN	P45 - P50 M35 - M40 K35 - K40	■ ◪ ◪				PVD		HSS	+ + +	Calidad especial compuesta de un sustrato de HSS y un recubrimiento PVD fino y duro. La calidad de corte mas dura de la gama. Las plaquitas con esta calidad son únicas y solamente se utilizan para mecanizado de chaveteros.

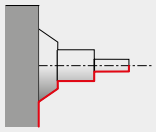
Sustrato	
H	Sustrato de base WC-Co
submicron H	Sustrato de base WC-Co de grano fino (< 1 µm)
ultra submicron H	Sustrato de base WC-Co de grano muy fino (< 0,5 µm)
FGM	Sustrato con gradiente funcional
Cermet	Carburo sin WC
ceramics	Cerámica de corte
PCD	Diamante policristalino
CBN	Nitruro de Boro Cúbico
HSS	Acero rápido

Recubrimiento	
MT-CVD	Método de recubrimiento químico a media temperatura
PVD	Metodo de recubrimiento físico
×	Sin recubrimiento

Ventajas del aceite de corte	
+ + +	Es imprescindible el uso de refrigerante
+ +	Altamente recomendado
+	(recomendado)
+ / –	Opcional
– -	No utilizar refrigerante
–	No se recomienda el uso de refrigerante

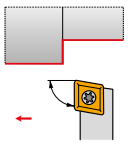
TORNEADO ISO - EXTERIOR

PIEZAS LARGAS E INESTABLES (plaquitas positivas)



SCAC(RL) EXT

90° | CC..



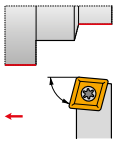
06
09

08×08
16×16

70 | 60 – 69

SCBC(RL) EXT

75° | CC..



09
12

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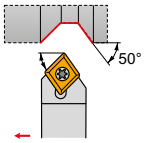
25×25

71 | 60 – 69

SCDCR EXT

45° | CC..



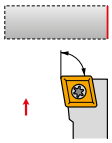
06

10×10

72 | 60 – 69

SCFC(RL) EXT

90° | CC..



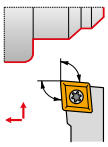
06
09

08×08
16×16

73 | 60 – 69

SCLC(RL) EXT

95° | CC..



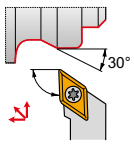
06
08
09
12

08×08
25×25

74 | 60 – 69

SDJC(RL) EXT

93° | DC..



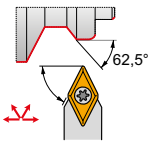
07
11
15

08×08
25×25

94 | 86 – 93

SDNCN EXT

62°30´ | DC..



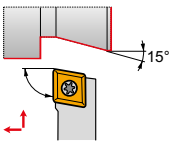
7
11

08×08
25×25

95 | 86 – 93

SEGC(RL) EXT

90° | EC..



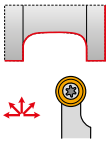
08

12×12
16×16

107 | 104 – 106

SRDC(RL) EXT

RC..



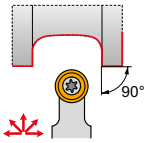
08

20×20
32×25

126 | 118 – 123

SRDCN EXT

RC..



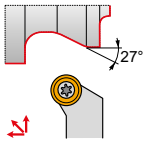
06
08
10
12
16

12×12
32×25

127 | 118 – 123

SRSC(RL) EXT

RC..



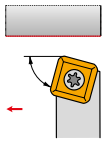
06
08
10
12
16

12×12
32×25

128 | 118 – 123

SSBC(RL) EXT

75° | SC..



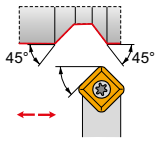
09
12
25
38

12×12
60×60

139 | 134 – 138

SSDCN EXT

45° | SC..



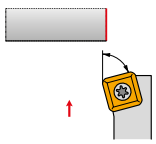
09
12

12×12
25×25

140 | 134 – 138

SSKC(RL) EXT

75° | SC..



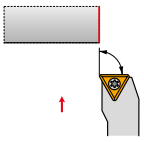
09
12

12×12
25×25

141 | 134 – 138

STFC(RL) EXT

90° | TC..



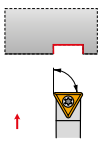
11
16

16×16
25×25

155 | 149 – 154

STFC(RL)-A EXT

90° | TC..



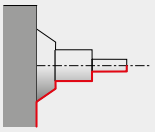
11

20×20

156 | 149 – 154

TORNEADO ISO - EXTERIOR

PIEZAS LARGAS E INESTABLES (plaquitas positivas)

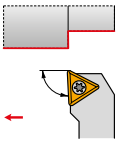


STJC(RL) EXT

93°

TC..

11
16



16×16
25×25

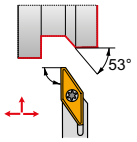
157 | 149 – 154

SVAC(RL)-DC EXT

90°

VC..

13



10×10
25×25

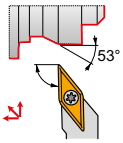
193 | 186 – 192

SVGC(RL) EXT

90°

VC..

07



08×08
16×16

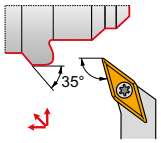
194 | 186 – 192

SVHB(C)(RL) EXT

107°30´

VB, VC..

11
16



16×16
25×25

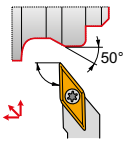
172, 195 | 168 – 171, 186 – 192

SVJB(C)(RL) EXT

93°

VB, VC..

11
13
16



12×12
32×25

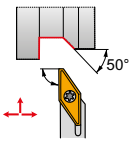
173, 196 | 168 – 171, 186 – 192

SVJC(RL)-DC EXT

93°

VC..

13



10×10
25×25

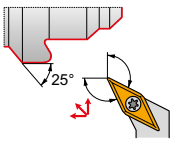
197 | 186 – 192

SVPB(C)(RL) EXT

117°30´

VB, VC..

11
16



16×16
32×25

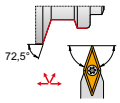
174, 198 | 168 – 171, 186 – 192

SVVB(C)N EXT

72°30´

VB, VC..

11
13
16



12×12
32×25

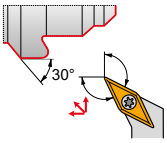
175, 199 | 168 – 171, 186 – 192

SVXB(C)(RL) EXT

98°

VB, VC..

11
13
16



12×12
32×25

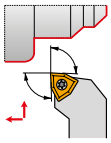
176, 200 | 168 – 171, 186 – 192

SWLC(RL) EXT

95°

WC..

06
08



16×16
25×25

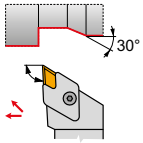
215 | 212 – 214

CKJN(RL) EXT

93°

KN..

16



20×20
32×25

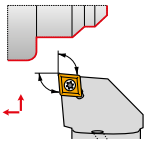
287 | 284 – 286

C.-SCLC(RL) EXT NEW

95°

CC..

09
12



20
32

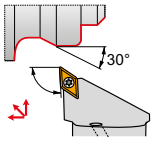
75 | 60 – 69

C.-SDJC(RL) EXT NEW

93°

DC..

11



C3
C5

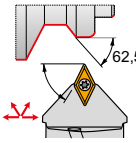
96 | 86 – 93

C.-SDNCN EXT NEW

62°30´

DC..

11



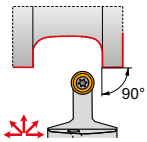
C4
C5

97 | 86 – 93

C.-SRDCN EXT NEW

RC..

10
12



C4
C5

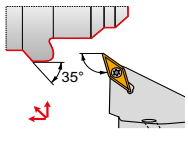
130 | 118 – 123

C.-SVHB(RL) EXT NEW

107°30´

VB, VC..

16

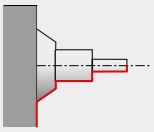


C4
C6

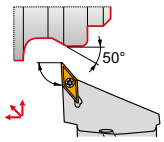
177, 201 | 168 – 171, 186 – 192

TORNEADO ISO - EXTERIOR

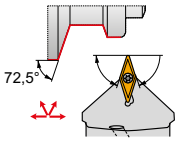
PIEZAS LARGAS E INESTABLES (plaquitas positivas)



C.-SVJB(RL) EXT NEW

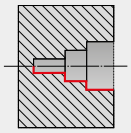
93°	VB, VC..
	11 16
C3 / C6	
178, 202	168 – 171 186 – 192

C.-SVVBN EXT NEW

72°30´	VB, VC..
	16
C4 / C6	
179, 203	168 – 171 186 – 192

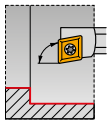
TORNEADO ISO - INTERIOR

PIEZAS LARGAS E INESTABLES (plaquitas positivas)



SCFC(RL) INT

90° | CC..



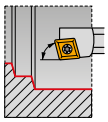
06

ØDmin 13/16

76 | 60 – 69

SCKC(RL) INT

75° | CC..



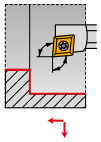
06
09
12

ØDmin 11/40

77 | 60 – 69

SCLC(RL) INT

95° | CC..



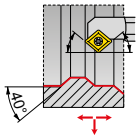
06
09
12

ØDmin 11/40

78 | 60 – 69

SCXC(RL) INT

40° | CC..



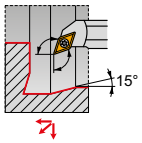
06

ØDmin 13/20

80 | 60 – 69

SDQC(RL) INT

107°30´ | DC..



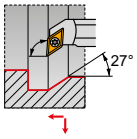
07
11

ØDmin 13/40

98 | 86 – 93

SDUC(RL) INT

93° | DC..



07
11

ØDmin 13/40

99 | 86 – 93

SDUC(RL)-E INT

93° | DC..

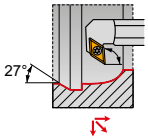
07
11

ØDmin 13/40

100 | 86 – 93

SDZC(RL) INT

93° | DC..



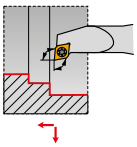
07
11

ØDmin 27/65

101 | 86 – 93

SELP(RL) INT

95° | EP..



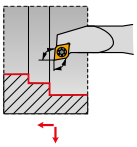
05

ØDmin 8/16

111 | 110

SELP(RL)-E INT

95° | EP..



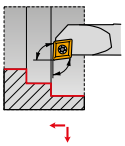
05

ØDmin 8/16

112 | 110

SEUC(RL) INT

93° | EC..



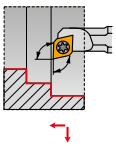
06
08

ØDmin 11/32

108 | 104 – 106

SEUP(RL) INT

93° | EP..



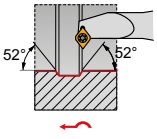
05

ØDmin 8.3

113 | 110

SEXP(RL) INT

52°30´ | EP..



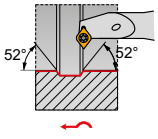
05

ØDmin 9.5/16

114 | 110

SEXP(RL)-E INT

52°30´ | EP..



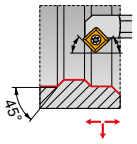
05

ØDmin 9.5/16

115 | 110

SSSC(RL) INT

45° | SC..



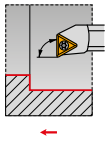
09

ØDmin 25/32

144 | 134 – 138

STFC(RL) INT

90° | TC..

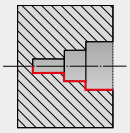


06
09
11
16

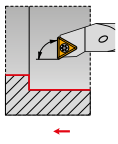
ØDmin 8.5/40

158 | 149 – 154

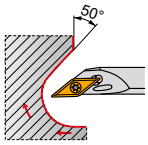
TORNEADO ISO - INTERIOR
PIEZAS LARGAS E INESTABLES (plaquitas positivas)



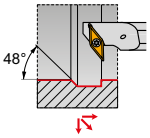
STFC(RL)-E INT

90°	TC..
	06 09 11
ØDmin 8.5 / 20	
160	149 – 154

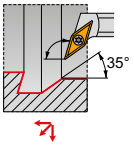
SVJB(RL) INT

93°	VB, VC..
	11
ØDmin 25 / 32	
180, 204	168 – 171 186 – 192

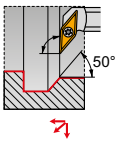
SVLC(RL) INT

95°	VC..
	13
ØDmin 27 / 43	
205	186 – 192

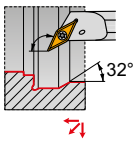
SVQB(C)(RL) INT

107°30´	VB, VC..
	11 13 16
ØDmin 20 / 50	
181, 206	168 – 171 186 – 192

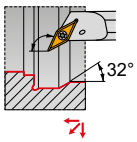
SVUB(C)(RL) INT

93°	VB, VC..
	11 13 16
ØDmin 20 / 50	
182, 207	168 – 171 186 – 192

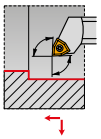
SVXC(RL) INT

113°	VC..
	07
ØDmin 12.5 / 17.5	
208	186 – 192

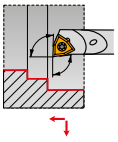
SVXC(RL)-E INT

113°	VC..
	07
ØDmin 12.5 / 17.5	
209	186 – 192

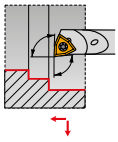
SWLC(RL) INT

95°	WC..
	06 08
ØDmin 25 / 40	
216	212 – 214

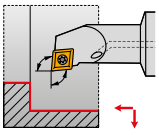
SWUC(RL) INT

93°	WC..
	02
ØDmin 5.8 / 7.8	
217	212 – 214

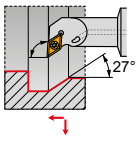
SWUC(RL)-E INT

93°	WC..
	02
ØDmin 5.8 / 7.8	
218	212 – 214

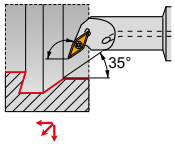
C.-SCLC(RL) INT NEW

95°	CC..
	09
ØDmin C3 / C5	
81	60 – 69

C.-SDUC(RL) INT NEW

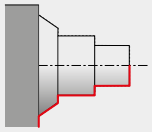
93°	DC..
	07 11
ØDmin 20 / 32	
102	86 – 93

C.-SVQB(C)(RL) INT NEW

108°	VB, VC..
	16
ØDmin 33	
183, 210	168 – 171 186 – 192

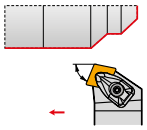
TORNEADO ISO - EXTERIOR

PIEZAS CORTAS Y ESTABLES (plaquitas negativas)



DCBN(RL) EXT

75°



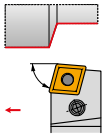
CN..
12
16
19

20×20
40×40

240 | 222 – 239

PCBN(RL) EXT

75°



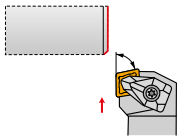
CN..
12
16
19
25

20×20
50×50

245 | 222 – 239

DCKN(RL) EXT

75°



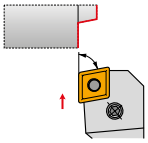
CN..
12
16

20×20
32X32

242 | 222 – 239

PCKN(RL) EXT

75°



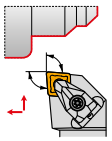
CN..
12
16
19

20×20
40×40

246 | 222 – 239

DCLN(RL) EXT

95°



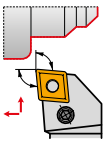
CN..
09
12
16
19

16×16
40×40

243 | 222 – 239

PCLN(RL) EXT

95°



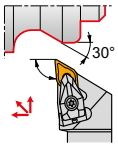
CN..
12
16
19
25

20×20
50×50

247 | 222 – 239

DDJN(RL) EXT

93°



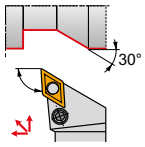
DN..
11
15

20×20
32×32

273 | 260 – 272

PDJN(RL) EXT

93°



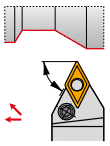
DN..
11
15

20×20
32×32

274 | 260 – 272

PDNN(RL) EXT

62°30´



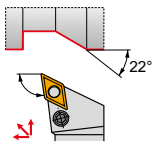
DN..
11
15

20×20
32×25

275 | 260 – 272

PDXN(RL) EXT

98°

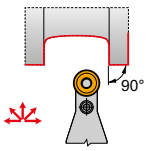


DN..
15

20×20
32×25

276 | 260 – 272

PRDCN EXT

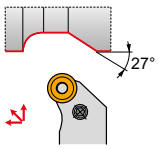


RC..
16
20
25
32

32×25
50×50

124 | 118 – 123

PRSC(RL) EXT

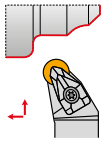


RC..
16
20
25

32×25
40×40

125 | 118 – 123

DRSN(RL) EXT

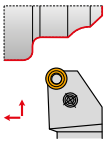


RN..
12

25×25

295 | 294

PRSN(RL) EXT



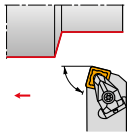
RN..
12
15
19

25×25
40×40

296 | 294

DSBN(RL) EXT

75°



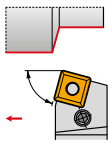
SN..
12
15
19

20×20
40×40

313 | 300 – 312

PSBN(RL) EXT

75°



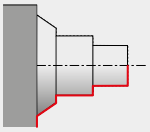
SN..
12
15
19
25

20×20
50×50

318 | 300 – 312

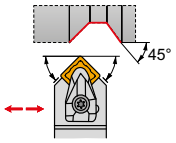
TORNEADO ISO - EXTERIOR

PIEZAS CORTAS Y ESTABLES (plaquitas negativas)



DSDNN EXT

45° | SN..



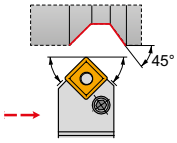
12 15 19 25

20×20 40×40

315 | 300 – 312

PSDNN EXT

45° | SN..



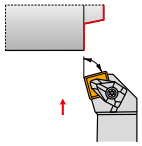
12 15 19 25

20×20 50×50

320 | 300 – 312

DSKN(RL) EXT

75° | SN..



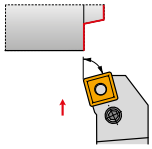
12 19

25×25 32×32

316 | 300 – 312

PSKN(RL) EXT

75° | SN..



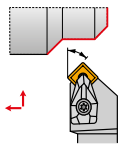
12 15 19 25

20×20 50×50

321 | 300 – 312

DSSN(RL) EXT

45° | SN..



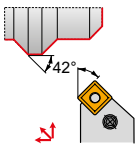
12 15 19

20×20 40×40

317 | 300 – 312

PSSN(RL) EXT

45° | SN..



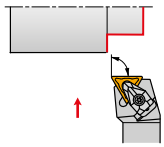
12 15 19 25

20×20 50×50

323 | 300 – 312

DTFN(RL) EXT

90° | TN..



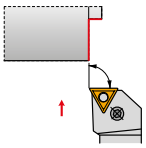
16 22

20×20 25×25

345 | 334 – 344

PTFN(RL) EXT

90° | TN..



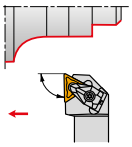
16 22 27

16×16 40×40

348 | 334 – 344

DTGN(RL) EXT

90° | TN..



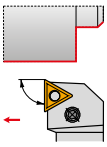
16 22

20×20 32×25

346 | 334 – 344

PTGN(RL) EXT

90° | TN..



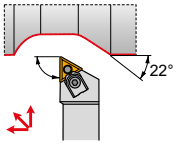
16 22 27

16×16 40×40

349 | 334 – 344

MTJN(RL) EXT

93° | TN..



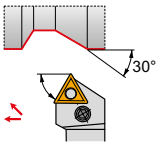
16 22

16×16 32×32

347 | 334 – 344

PTTN(RL) EXT

60° | TN..



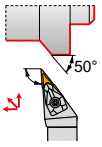
16 22

20×20 32×25

350 | 334 – 344

DVJN(RL) EXT

93° | VN..



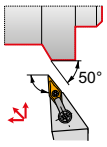
16

20×20 32×25

360 | 356 – 376

MVJN(RL) EXT

93° | VN..



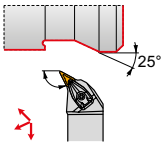
16

20×20 32×25

362 | 356 – 376

DVPN(RL) EXT

62°30´ | VN..



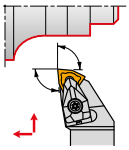
16

20×20 32×25

361 | 356 – 376

DWLN(RL) EXT

95° | WN..



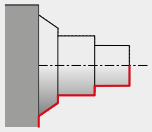
06 08 10 13

16×16 40×40

377 | 366 – 376

TORNEADO ISO - EXTERIOR

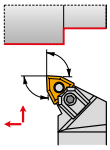
PIEZAS CORTAS Y ESTABLES (plaquitas negativas)



MWLN(RL) EXT

95° | WN..

08



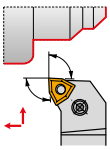
25×25 — 40×40

379 | 366 – 376

PWLN(RL) EXT

95° | WN..

06
08



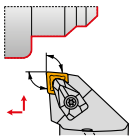
16×16 — 32×25

380 | 366 – 376

C.-DCLN(RL) EXT NEW

95° | CN..

12
16
19



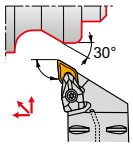
C3 — C8

249 | 222 – 239

C.-DDJN(RL) EXT NEW

93° | DN..

11
15



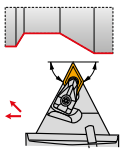
C4 — C6

277 | 260 – 272

C.-DDNNN EXT NEW

62.5° | DN..

15



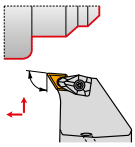
C5 — C6

278 | 260 – 272

C.-DDUN(RL) EXT NEW

93° | DN..

15



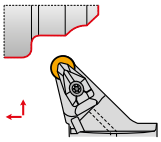
C5 — C6

279 | 260 – 272

C.-DRSN(RL) EXT NEW

RN..

12



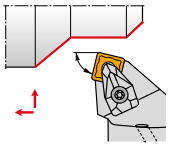
C6

297 | 294

C.-DSRN(RL) EXT NEW

75° | SN..

12
19



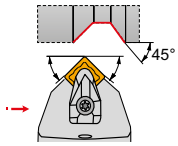
C4 — C6

326 | 300 – 312

C.-DSDNN EXT NEW

45° | SN..

12
19



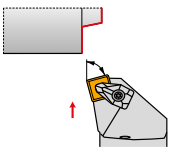
C4 — C6

324 | 300 – 312

C.-DSKN(RL) EXT NEW

75° | SN..

12



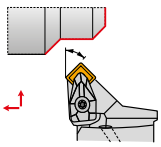
C4

325 | 300 – 312

C.-DSSN(RL) EXT NEW

45° | SN..

12



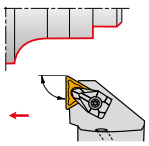
C4 — C5

327 | 300 – 312

C.-DTJN(RL) EXT NEW

93° | TN..

16



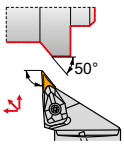
C4 — C5

351 | 334 – 344

C.-DVJN(RL) EXT NEW

93° | VN..

16



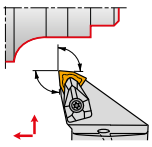
C4 — C6

363 | 356 – 376

C.-DWLN(RL) EXT NEW

95° | WN..

06
08

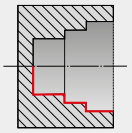


C4 — C6

381 | 366 – 376

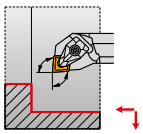
TORNEADO ISO - INTERIOR

PIEZAS CORTAS Y ESTABLES (plaquitas negativas)



DCLN(RL) INT

95°



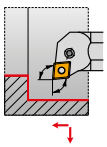
CN..
09
12

ØDmin: 32 / 50

254 222 – 239

PCLN(RL) INT

95°



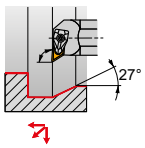
CN..
09
12
16
19

ØDmin: 20 / 80

255 222 – 239

DDUN(RL) INT

93°



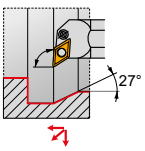
DN..
11
15

ØDmin: 25 / 50

280 260 – 272

PDUN(RL) INT

93°



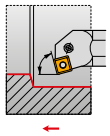
DN..
11
15

ØDmin: 25 / 60

281 260 – 272

PSKN(RL) INT

93°



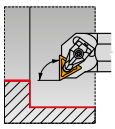
SN..
11
15

ØDmin: 32 / 80

331 300 – 312

DTFN(RL) INT

90°



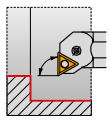
TN..
16
22

ØDmin: 32 / 50

352 334 – 344

PTFN(RL) INT

90°

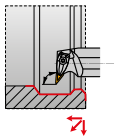


TN..
16
22

ØDmin: 32 / 50

353 334 – 344

DVUN(RL) INT



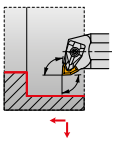
VN..
16

ØDmin: 50

364 356 – 376

DWLN(RL) INT

95°



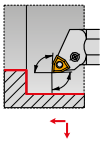
WN..
06
08

ØDmin: 32 / 63

382 366 – 376

PWLN(RL) INT

95°



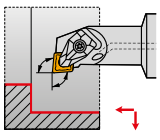
WN..
06
08

ØDmin: 20 / 80

383 366 – 376

C.-DCLN(RL) INT NEW

95°



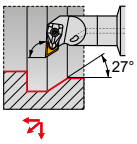
CN..
09
12
16

ØDmin: 25 / 50

257 222 – 239

C.-DDUN(RL) INT NEW

93°



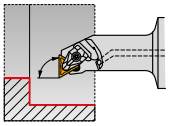
DN..
11

ØDmin: 12

282 260 – 272

C.-DTFN(RL) INT NEW

91°



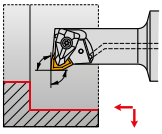
TN..
16

ØDmin: 32

354 334 – 344

C.-DWLN(RL) INT NEW

95°



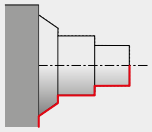
WN..
06
08

ØDmin: 27 / 33

385 366 – 376

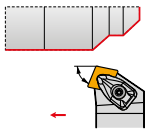
TORNEADO ISO - DESBASTE PESADO - EXTERIOR

PORTAHERRAMIENTAS ENTERIZOS



DCBN(RL) EXT

75°



CN..

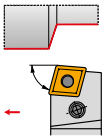
19

40×40

240 | 222 – 239

PCBN(RL) EXT

75°



CN..

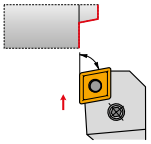
19
25

40×40
50×50

245 | 222 – 239

PCKN(RL) EXT

75°



CN..

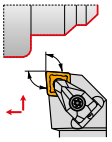
19

40×40

246 | 222 – 239

DCLN(RL) EXT

95°



CN..

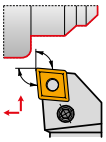
19

40×40

243 | 222 – 239

PCLN(RL) EXT

95°



CN..

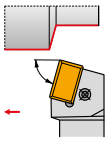
19
25

40×40
50×50

247 | 222 – 239

PLBN(RL) EXT

75°



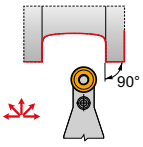
LN..

40
50

60×60

290 | 289

PRDCN EXT



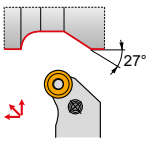
RC..

20
25
32

40×40
50×50

124 | 118 – 123

PRSC(RL) EXT



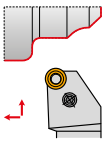
RC..

16
25

40×40

125 | 118 – 123

PRSN(RL) EXT



RN..

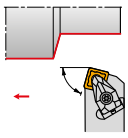
19

40×40

296 | 294

DSBN(RL) EXT

75°



SN..

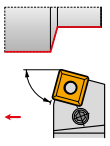
19

40×40

313 | 300 – 312

PSBN(RL) EXT

75°



SN..

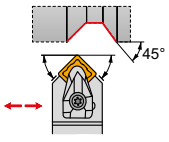
19
25

40×40
50×50

318 | 300 – 312

DSDNN EXT

45°



SN..

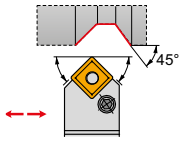
19
25

40×40

315 | 300 – 312

PSDNN EXT

45°



SN..

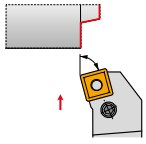
19
25

40×40
50×50

320 | 300 – 312

PSKN(RL) EXT

75°



SN..

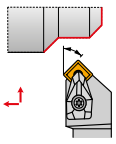
19
25

40×40
50×50

321 | 300 – 312

DSSN(RL) EXT

45°



SN..

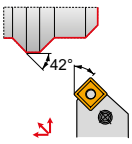
19

40×40

317 | 300 – 312

PSSN(RL) EXT

45°



SN..

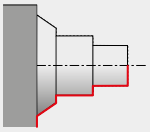
19
25

40×40
50×50

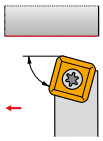
323 | 300 – 312

TORNEADO ISO - DESBASTE PESADO - EXTERIOR

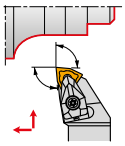
PORTAHERRAMIENTAS ENTERIZOS



SSBC(RL) EXT

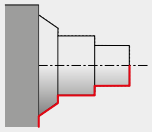
75°	SC..
	25 38
40×40 60×60	
139	134 – 138

DWLN(RL) EXT

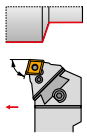
95°	WN..
	13
40×40	
377	366 – 376

TORNEADO ISO - DESBASTE PESADO - EXTERIOR

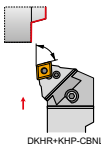
CABEZAS (KH)



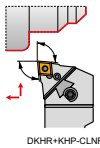
KHP-CBNR + DKH(RL)

75°	CN..
 DKHR+KHP-CBNR	25
40×50 60×80	
251, 253	222 – 239

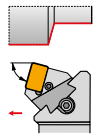
KHP-CBNL + DKH(RL)

75°	CN..
 DKHR+KHP-CBNL	25
40×50 60×80	
251, 253	222 – 239

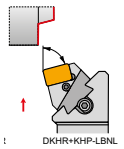
KHP-CLNR/L + DKH(RL)

95°	CN..
 DKHR+KHP-CLNR	19 25
40×50 60×80	
252, 253	222 – 239

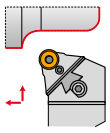
KHP-LBNR + DKH(RL)

75°	LN..
 DKHR+KHP-LBNR	40
40×50 60×80	
291, 292	289

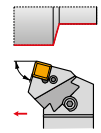
KHP-LBNL + DKH(RL)

75°	LN..
 DKHR+KHP-LBNL	40
40×50 60×80	
291, 292	289

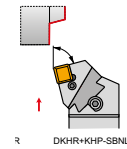
KHP-RSCR/L + DKH(RL)

	RC..
 DKHR+KHP-RSCR	20 25 32
40×50 60×80	
131, 132	118 – 123

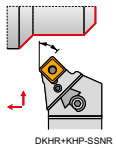
KHP-SBNR + DKH(RL)

75°	SN..
 DKHR+KHP-SBNR	25
40×50 60×80	
328, 330	300 – 312

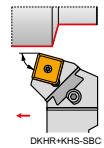
KHP-SBNL + DKH(RL)

75°	SN..
 DKHR+KHP-SBNL	25
40×50 60×80	
328, 330	300 – 312

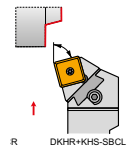
KHP-SSNR/L + DKH(RL)

45°	SN..
 DKHR+KHP-SSNR	19 25
40×50 60×80	
329, 330	300 – 312

KHS-SBCR + DKH(RL)

75°	SC..
 DKHR+KHS-SBC	25 38
40×50 60×80	
142, 143	134 – 138

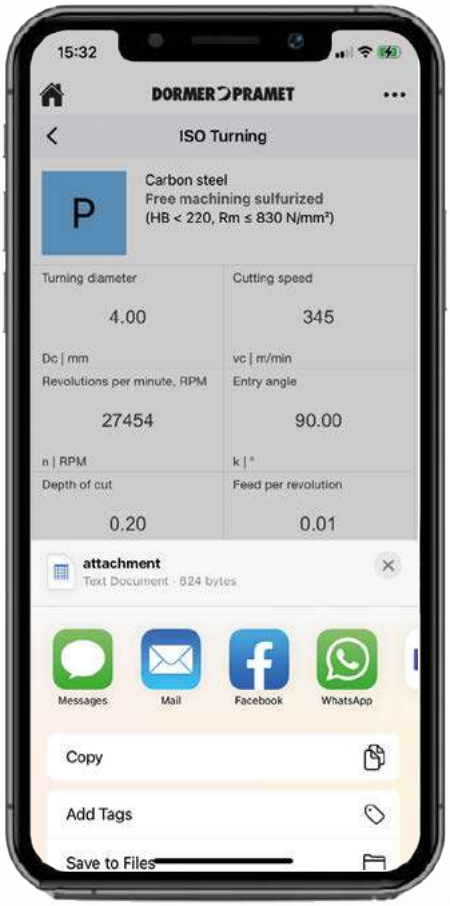
KHS-SBCL + DKH(RL)

75°	SC..
 DKHR+KHS-SBCL	25 38
40×50 60×80	
142, 143	134 – 138

DORMER PRAMET

CONEXIÓN PERMANENTE

¿Sin wifi o sin conexión a Internet? La Calculadora de Mecanizado trabaja perfectamente incluso cuando usted está desconectado, asegurandole que siempre está disponible cuando la necesita. **Símplemente Fiables.**



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DORMER PRAMET

SÍGUENOS

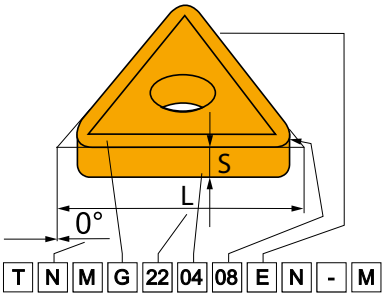
COMPARTIR

ME GUSTA

COMENTAR

ETIQUETA

RE-TWEET



	1	2	3	4
ISO	T	N	U	N
	T	N	M	G
ANSI	T	N	U	
	T	N	M	G

1 Forma de plaquita

H	O	P	R
S	T	C (80°)	D (55°)
E (75°)	M (86°)	V (35°)	W (80°)
L	A (85°)	B (82°)	K (55°)

2 Ángulo de incidencia

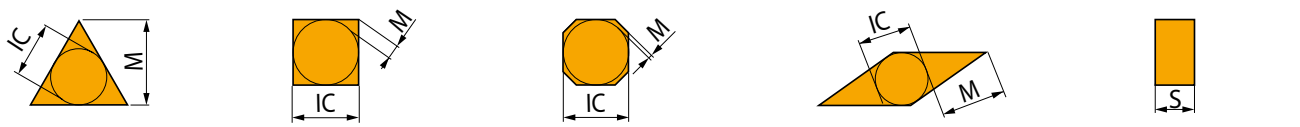
A (3°)		B (5°)	
C (7°)		D (15°)	
E (20°)		F (25°)	
G (30°)		N (0°)	
P (11°)		O	Especial

4 Tipo de plaquita

N	
R	
F	
A	
M	
G	
W	40° – 60°
T	
Q	
U	
B	70° – 90°
H	
C	
J	
X	Especial

3 Tolerancias

	(mm)			(")		
	M (±)	S (±)	IC (±)	M (±)	S (±)	IC (±)
A	0.005	0.025	0.025	.0002"	.001"	.0010"
F	0.005	0.025	0.013	.0002"	.001"	.0005"
C	0.013	0.025	0.025	.0005"	.001"	.0010"
H	0.013	0.025	0.013	.0005"	.001"	.0005"
E	0.025	0.025	0.025	.0010"	.001"	.0010"
G	0.025	0.130	0.025	.0010"	.005"	.0010"
J	0.005	0.025	0.05 – 0.13	.0002"	.001"	.002 – 0.005"
K	0.013	0.025	0.05 – 0.13	.0005"	.001"	.002 – 0.005"
L	0.025	0.025	0.05 – 0.13	.0010"	.001"	.002 – 0.005"
M	0.08 – 0.18	0.130	0.05 – 0.13	.003 – 0.007"	.005"	.002 – 0.005"
N	0.08 – 0.18	0.025	0.05 – 0.13	.003 – 0.007"	.001"	.002 – 0.005"
U	0.05 – 0.38	0.130	0.05 – 0.13	.005 – 0.015"	.005"	.003 – 0.010"



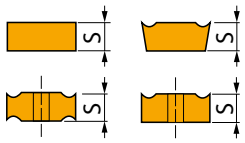
PLAQUITAS – DESIGNACIÓN CÓDIGO ISO

5	6	7	8	9		10
22	04	08			-	
22	04	08	E	N		M
5	6	7	8	9		10
4	3	2			-	
4	3	2	E	N		M

5 – Longitud del filo de corte (tamaño de plaquita)

d=IC (mm)	(in)	H	O	P	S	T	C	D	E	M	V	W	R	K
3.97					03	06		04			06	02		
	5/32"	1.2												
4.76					04	08	04	05	04	04	08	L3		
	3/16"	1.5												
5.56					05	09	05	06	05	05	09	03		
	7/32"	1.8												
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4"	2												
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16"	2.5												
9.525		05	04	07	09	16	09	11	09	09	16	06	09	16
	3/8"	3												
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2"	4												
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8"	5												
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4"	6												
25.40		14	10	18	25	44	25	31	26	25	44	17	25	
	1"	8												
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4"	10												

6 – Espesor



	S (mm)	S (")
01	1.59	1/16"
T1	1.98	5/64"
02	2.38	3/32"
03	3.18	1/8"
T3	3.97	5.32"
04	4.76	3/16"
05	5.56	7/32"
06	6.35	1/4"
07	7.94	5/16"
09	9.52	3/8"

7 – Radio de punta

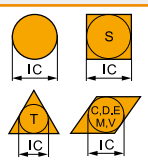
	RE (mm)	RE (")
00	0	0"
02	0.2	1/128"
04	0.4	1/64"
08	0.8	1/32"
12	1.2	3/64"
16	1.6	1/16"
24	2.4	3/32"
32	3.2	1/8"

Plaquitas redondas

d=I.C.	
(")	00
(mm)	M0

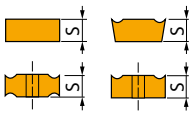
ANSI

5 – Círculo inscrito



Symbol	d=I.C. (mm)	d=I.C. (")
1	3.175	1/8"
1.2	3.969	5/32"
1.5	4.763	3/16"
1.8	5.556	7/32"
2	6.350	1/4"
2.5	7.938	5/16"
3	9.525	3/8"
4	12.700	1/2"
5	15.875	5/8"
6	19.050	3/4"
7	22.225	7/8"
8	25.400	1"
10	31.750	5/4"
12	38.100	6/4"

6 – Espesor



Symbol	S (mm)	S (")
1	1.588	1/16"
1.2	1.984	5/64"
1.5	2.381	3/32"
2	3.175	1/8"
2.5	3.969	5/32"
3	4.763	3/16"
3.5	5.556	7/32"
4	6.350	1/4"
5	7.938	5/16"
6	9.525	3/8"
7	11.113	7/16"
8	12.700	1/2"
9	14.288	9/16"
10	15.875	5/8"

7 – Radio de punta

Symbol	RE (mm)	RE (")
0	0	0"
0.2	0.099	1/256"
0.5	0.198	1/128"
1	0.397	1/64"
2	0.794	1/32"
3	1.191	3/64"
4	1.588	1/16"
5	1.984	5/64"
6	2.381	3/32"
7	2.778	7/64"
8	3.175	1/8"
10	3.969	5/32"
12	4.763	3/16"
14	5.556	7/32"
16	6.350	1/4"

8 – Condición del filo de corte

F	Filos vivos	E	Filos redondeados
T	Filos con faceta	S	Filo redondeado con faceta
K	Filos con doble faceta	P	Filos redondeados con doble faceta

9 – Dirección de avance

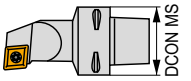
R	Avance ←	N	Avance ← Avance →
L	Avance →		

10 – Designación del rompevirutas

HERRAMIENTAS DE TORNEADO EXTERIOR: DESIGNACIÓN CÓDIGO ISO

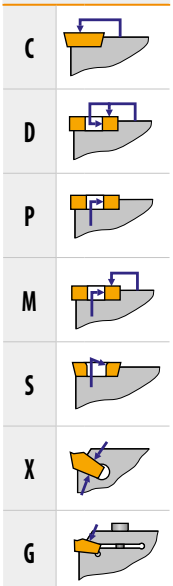
Mango	ISO	2	3	4	5	6		7	8	11	12		13	
		P	C	L	N	R	–	32	25	L	12	–	M	
PSC	ISO	1	2	3	4	5	6		9	10		12		
		C4	– D	C	L	N	R	–	27	050	–	12		
Mango	ANSI	2	3	4	5	6			7 & 8	12		11		
		D	C	L	N	R	–		16	4		D		

1 Tamaño acoplamiento

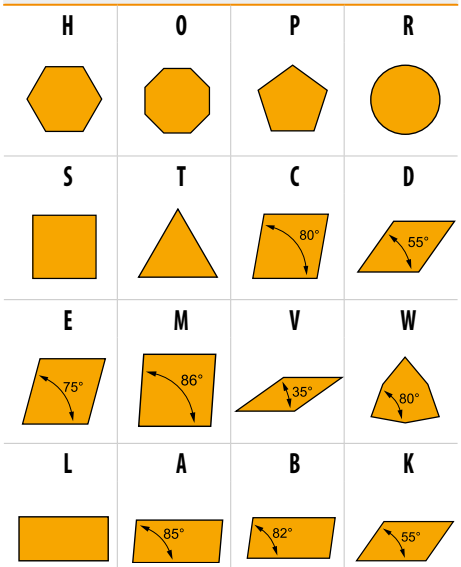


C	DCON MS
C3	32
C4	40
C5	50
C6	63
C8	80

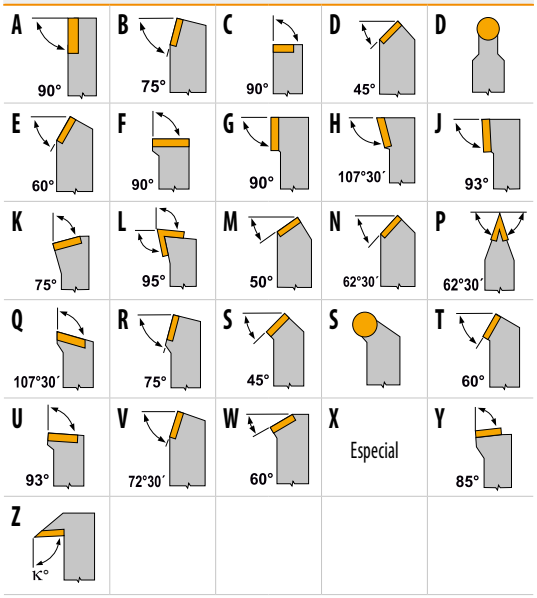
2 Tipo de fijación



3 Forma de plaquita



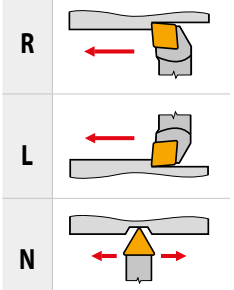
4 Tipo de herramienta - ángulo de posición



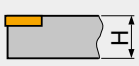
5 Ángulo de incidencia

N	B	C	P
0°	5°	7°	11°

6 Dirección del corte



7 Altura del mango (mm)



08	10	12	16	20	25
32	38	40	45	50	60

8 Anchura del mango (mm)

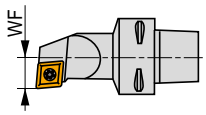
08	10	12	16	20	25
32	38	40	45	50	60

7 & 8 Anchura y altura del mango(")

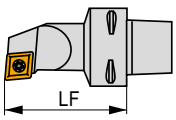
Symbol	B (")	H (")
05	5/16"	5/16"
06	3/8"	3/8"
08	1/2"	1/2"
10	5/8"	5/8"
12	3/4"	3/4"
16	1"	1"
85	1"	1 1/4"
86	1"	1 1/2"
20	1 1/4"	1 1/4"
24	1 1/2"	1 1/2"
32	2"	2"

Para mangos cuadrados, el digito indica el ancho o la altura en dieciseisavos de pulgada. Para mangos rectangulares, el primer digito indica el ancho en octavos de pulgada y el segundo digito indica la altura en cuartos de pulgada.

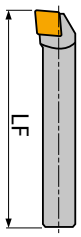
9 Ancho funcional [mm]



10 Longitud funcional [mm]



11 Longitud total



	LF (")
A	4.000"
B	4.500"
C	5.000"
D	6.000"
E	7.000"
F	8.000"
M	4.000"
N	4.500"
R	6.000"
S	7.000"
T	8.000"

	LF [mm]
D	60
E	70
F	80
H	100
J	110
K	125
L	140
M	150
N	160
P	170
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
X	Espec.
Y	500

HERRAMIENTAS DE TORNEADO INTERIOR: DESIGNACIÓN CÓDIGO ISO

	15	16	17		2	3	4	5	6	12		14
ISO	A	25	T	–	P	C	L	N	L	12	–	X
ANSI	A	16	T	–	D	C	L	N	L	4		

12 / 12 — Longitud del filo de corte (tamaño de plaquita)

d = I.C. (mm)	(")	H	O	P	S	T	C	D	E	M	V	W	R	K
3.97					03	06		04			06	02		
	5/32"	1.2												
4.76					04	08	04	05	04	04	08	L3		
	3/16"	1.5												
5.56					05	09	05	06	05	05	09	03		
	7/32"	1.8												
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4"	2												
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16"	2.5												
9.525		05	04	07	09	16	09	11	09	09	16	06	09	16
	3/8"	3												
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2"	4												
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8"	5												
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4"	6												
25.40		14	10	18	25	44	25	31	26	25	44	17	25	
	1"	8												
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4"	10												

13 — Designación del fabricante

M	Sistema de fijación "S" con placa base

14 — Designación del fabricante

X	Tipo de mango especial
. .	
93	Ángulo de herramienta tipo Z
. .	

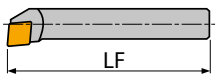
15 / 15 — Mango

S	Mango de acero
A	Mango de acero con refrigeración interna
E	Mango de metal duro con refrigeración interna

16 / 16 — Mango Ø (mm)

DCON MS [mm]		DCON MS (")	
08	8	03	.1875"
10	10	04	.250"
12	12	05	.3125"
16	16	06	.375"
20	20	08	.500"
25	25	10	.625"
32	32	12	.750"
40	40	16	1.000"
50	50	20	1.250"
60	60	24	1.500"
		32	2.000"

17 / 17 — Longitud total



	LF (")
F	3.250"
H	4.000"
K	5.000"
M	6.000"
P	6.250"
Q	7.250"
R	8.000"
S	10.000"
T	12.000"
U	14.000"
V	15.750"
W	17.750"
Y	20.000"
X	Espec.

	LF [mm]
D	60
E	70
F	80
H	100
J	110
K	125
L	140
M	150
N	160
P	170
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
X	Espec.
Y	500

CARTUCHO

1	2		3	4	5	6	7
KH	P	–	C	L	N	R	25

SOPORTE

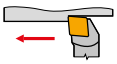
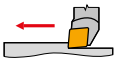
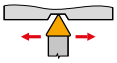
8	6	9	10	11
DKH	R	50	60	W

1 Cartucho

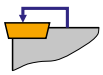
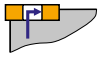
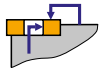
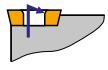
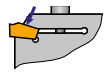
5 Ángulo de incidencia

N	C	P
0°	7°	11°

6 Dirección del corte

R	
L	
N	

2 Tipo de fijación

C	
D	
P	
M	
S	
X	
G	

3 Forma de plaquita

S		C	
T		D	
R		K	
W		V	
L		X	Especial

4 Tipo de herramienta - ángulo de posición

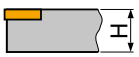
A 90°	B 75°	C 90°	D 45°	D
E 60°	F 90°	G 90°	H 107°30´	J 93°
K 75°	L 95°	M 50°	N 62°30´	P 62°30´
Q 107°30´	R 75°	S 45°	S	T 60°
U 93°	V 72°30´	W 60°	X Especial	Y 85°
Z K°				

7 Longitud del filo de corte (tamaño de plaquita)

d = l.c.		H	O	P	S	T	C	D	E	M	V	W	R	K
(mm)	(")													
3.97					03	06		04			06	02		
	5/32"	1.2												
4.76					04	08	04	05	04	04	08	L3		
	3/16"	1.5												
5.56					05	09	05	06	05	05	09	03		
	7/32"	1.8												
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4"	2												
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16"	2.5												
9.525		05	04	07	09	16	09	11	09	09	16	06	09	16
	3/8"	3												
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2"	4												
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8"	5												
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4"	6												
25.40		14	10	18	25	44	25	31	26	25	44	17	25	
	1"	8												
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4"	10												

8 Soporte del cartucho

9 Altura del mango (mm)

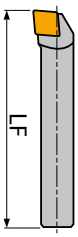


08	10	12	16	20	25
32	40	50	60	70	80

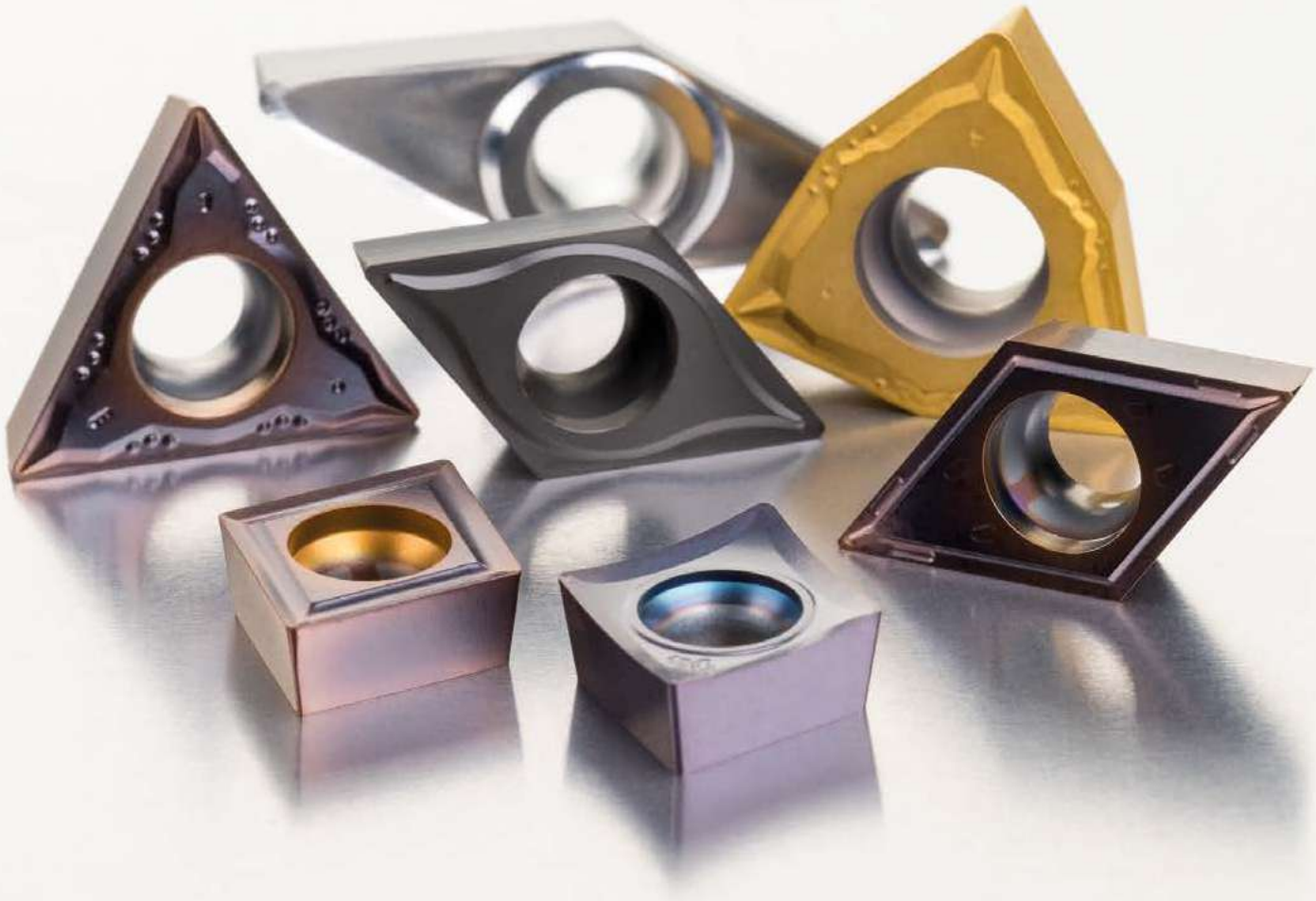
10 Anchura del mango (mm)

08	10	12	16	20	25
32	40	50	60	70	80

11 Longitud total



	LF (mm)
H	100
J	110
K	125
L	140
M	150
N	160
P	170
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
X	Espec.
Y	500



PLAQUITAS DE CORTE POSITIVAS

CC

06 / 08 / 09 / 12

PLAQUITAS DE METAL DURO

CCGT

60

CCMT

62

CCMW

68

PLAQUITAS CBN

CCGW CBN

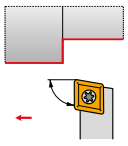
69

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
CCMT 120404E-UR	S32U-SCKCR 12-A

TORNEADO ISO - EXTERIOR

SCAC(RL) EXT

90°



CC..: 06, 09

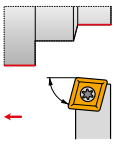
08×08 / 16×16

70

60 – 69

SCBC(RL) EXT

75°



CC..: 09, 12

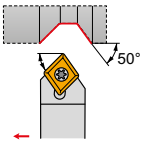
12×12 / 25×25

71

60 – 69

SCDCR EXT

45°



CC..: 06

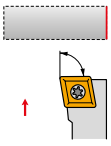
10×10

72

60 – 69

SCFC(RL) EXT

90°



CC..: 06, 09

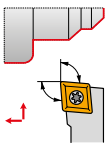
08×08 / 16×16

73

60 – 69

SCLC(RL) EXT

95°



CC..: 06, 08, 09, 12

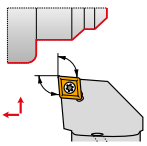
08×08 / 25×25

74

60 – 69

C.-SCLC(RL) EXT NEW

95°



CC..: 09, 12

C3 / C5

75

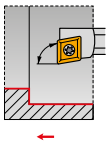
60 – 69

CC

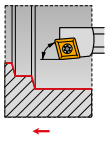
06 / 08 / 09 / 12

TORNEADO ISO - INTERIOR

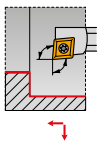
SCFC(RL) INT

90°	CC..
	06
ØDmin 13 / 16	
76	60 – 69

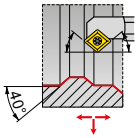
SCKC(RL) INT

75°	CC..
	06 09 12
ØDmin 11 / 40	
77	60 – 69

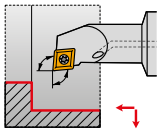
SCLC(RL) INT

95°	CC..
	06 09 12
ØDmin 11 / 40	
78	60 – 69

SCXC(RL) INT

40°	CC..
	06
ØDmin 13 / 20	
80	60 – 69

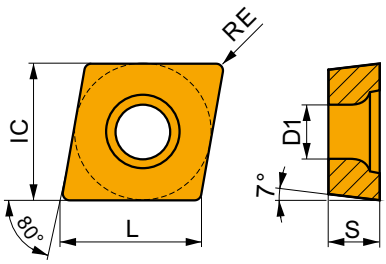
C.-SCLC(RL) INT NEW

95°	CC..
	09
ØDmin 20 / 32	
81	60 – 69

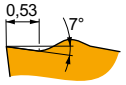
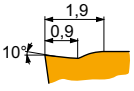
CCGT

PRAMET

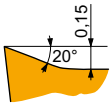
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.40	2.38
0602-SF3	6.350	2.80	6.40	2.58
0803-AL	7.940	3.40	8.10	3.43
0803-SF3	7.940	3.40	8.10	3.43
09T3	9.525	4.40	9.70	3.97
09T3-SF3	9.525	4.40	9.70	4.22
1204	12.700	5.50	12.90	4.76
1204-SF3	12.700	5.50	12.90	5.01



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.																				
CCGT 060202F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	450	0.12	1.0	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	645	0.12	1.0	–	–	–	–	–	–
CCGT 060204F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	360	0.24	1.0	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	525	0.24	1.0	–	–	–	–	–	–
CCGT 080302F-AL	**T0315**	0.2	–	–	–	–	–	–	–	–	–	645	0.12	1.0	–	–	–	–	–	–
CCGT 080304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	360	0.24	1.0	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	525	0.24	1.0	–	–	–	–	–	–
CCGT 09T302F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	450	0.12	1.0	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	645	0.12	1.0	–	–	–	–	–	–
CCGT 09T304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	345	0.24	1.5	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	495	0.24	1.5	–	–	–	–	–	–
CCGT 09T308F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	315	0.48	1.5	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	450	0.48	1.5	–	–	–	–	–	–
CCGT 120404F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	330	0.24	2.4	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	480	0.24	2.4	–	–	–	–	–	–
CCGT 120408F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	300	0.48	2.4	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	435	0.48	2.4	–	–	–	–	–	–
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
CCGT 09T302E-FF2	**T7325**	0.2	235	0.05	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.2	345	0.05	1.0	–	–	–	325	0.05	1.0	–	–	–	–	–	–	–	–	–
																				
Geometría NF1 con diseño positivo para acabado fino a mecanizado medio con corte contínuo.																				
CCGT 060204E-NF1	**H07**	0.4	–	–	–	95	0.09	0.8	–	–	–	485	0.12	0.8	45	0.07	0.6	–	–	–
	T6310	0.4	180	0.10	0.8	125	0.09	0.8	–	–	–	540	0.12	0.8	50	0.07	0.6	35	0.15	1.0
	T7325	0.4	210	0.10	0.8	160	0.09	0.8	–	–	–	–	–	–	65	0.07	0.6	–	–	–
CCGT 060208E-NF1	**T6310**	0.8	205	0.12	0.8	145	0.11	0.8	–	–	–	615	0.14	0.8	60	0.11	0.6	40	0.15	1.0
	T7325	0.8	235	0.12	0.8	180	0.11	0.8	–	–	–	–	–	–	75	0.11	0.6	–	–	–
CCGT 09T304E-NF1	**H07**	0.4	–	–	–	90	0.09	1.2	–	–	–	470	0.12	1.2	45	0.07	1.0	–	–	–
	T6310	0.4	175	0.10	1.2	125	0.09	1.2	–	–	–	525	0.12	1.2	50	0.07	1.0	35	0.15	1.0
	T7325	0.4	200	0.10	1.2	155	0.09	1.2	–	–	–	–	–	–	65	0.07	1.0	–	–	–
CCGT 09T308E-NF1	**T6310**	0.8	190	0.14	1.2	135	0.13	1.2	–	–	–	570	0.17	1.2	55	0.13	1.0	35	0.15	1.0
	T7325	0.8	215	0.14	1.2	165	0.13	1.2	–	–	–	–	–	–	65	0.13	1.0	–	–	–

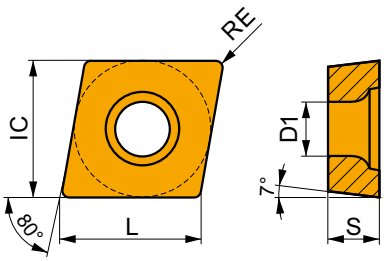
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																	
CCGT 060201E-SF3	**T6310**	0.1	200	0.05	0.5	140	0.05	0.5	160	0.05	0.5	600	0.06	0.5	60	0.04	0.4	40	0.15	1.0
CCGT 060202E-SF3	**H07**	0.2	–	–	–	120	0.05	0.8	190	0.05	0.8	605	0.06	0.8	60	0.04	0.6	–	–	–
	T6310	0.2	205	0.05	0.8	145	0.05	0.8	165	0.05	0.8	615	0.06	0.8	60	0.04	0.6	40	0.15	1.0
	T8315	0.2	215	0.05	0.8	125	0.05	0.8	200	0.05	0.8	645	0.06	0.8	50	0.04	0.6	40	0.15	1.0
CCGT 060204E-SF3	**H07**	0.4	–	–	–	95	0.09	0.8	150	0.10	0.8	485	0.12	0.8	45	0.07	0.6	–	–	–
	T6310	0.4	180	0.10	0.8	125	0.09	0.8	145	0.10	0.8	540	0.12	0.8	50	0.07	0.6	35	0.15	1.0
	T8315	0.4	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	570	0.12	0.8	45	0.07	0.6	35	0.15	1.0
CCGT 080302E-SF3	**T6310**	0.2	205	0.05	0.8	145	0.05	0.8	165	0.05	0.8	615	0.06	0.8	60	0.04	0.6	40	0.15	1.0
	T8315	0.2	215	0.05	0.8	125	0.05	0.8	200	0.05	0.8	645	0.06	0.8	50	0.04	0.6	40	0.15	1.0
CCGT 080304E-SF3	**H07**	0.4	–	–	–	95	0.09	1.0	150	0.10	1.0	485	0.12	1.0	45	0.07	0.8	–	–	–
	T6310	0.4	180	0.10	1.0	125	0.09	1.0	145	0.10	1.0	540	0.12	1.0	50	0.07	0.8	35	0.15	1.0
	T8315	0.4	190	0.10	1.0	110	0.09	1.0	180	0.10	1.0	570	0.12	1.0	45	0.07	0.8	35	0.15	1.0
CCGT 09T301E-SF3	**T6310**	0.1	200	0.05	0.5	140	0.05	0.5	160	0.05	0.5	600	0.06	0.5	60	0.04	0.4	40	0.15	1.0
CCGT 09T302E-SF3	**H07**	0.2	–	–	–	120	0.05	0.8	190	0.05	0.8	605	0.06	0.8	60	0.04	0.6	–	–	–
	T6310	0.2	205	0.05	0.8	145	0.05	0.8	165	0.05	0.8	615	0.06	0.8	60	0.04	0.6	40	0.15	1.0
	T8315	0.2	215	0.05	0.8	125	0.05	0.8	200	0.05	0.8	645	0.06	0.8	50	0.04	0.6	40	0.15	1.0
CCGT 09T304E-SF3	**H07**	0.4	–	–	–	95	0.09	1.0	150	0.10	1.0	485	0.12	1.0	45	0.07	0.8	–	–	–
	T6310	0.4	180	0.10	1.0	125	0.09	1.0	145	0.10	1.0	540	0.12	1.0	50	0.07	0.8	35	0.15	1.0
	T8315	0.4	190	0.10	1.0	110	0.09	1.0	180	0.10	1.0	570	0.12	1.0	45	0.07	0.8	35	0.15	1.0
CCGT 09T308E-SF3	**H07**	0.8	–	–	–	110	0.09	1.0	175	0.10	1.0	565	0.12	1.0	55	0.08	0.8	–	–	–
	T6310	0.8	210	0.10	1.0	150	0.09	1.0	165	0.10	1.0	630	0.12	1.0	60	0.08	0.8	40	0.15	1.0
	T8315	0.8	225	0.10	1.0	135	0.09	1.0	210	0.10	1.0	675	0.12	1.0	55	0.08	0.8	45	0.15	1.0
CCGT 120404E-SF3	**T6310**	0.4	180	0.10	1.0	125	0.09	1.0	145	0.10	1.0	540	0.12	1.0	50	0.07	0.8	35	0.15	1.0
CCGT 120408E-SF3	**H07**	0.8	–	–	–	105	0.12	1.0	165	0.12	1.0	525	0.14	1.0	50	0.11	0.8	–	–	–
	T6310	0.8	200	0.12	1.0	140	0.12	1.0	160	0.12	1.0	600	0.14	1.0	60	0.11	0.8	40	0.15	1.0
	T8315	0.8	210	0.12	1.0	125	0.12	1.0	195	0.12	1.0	630	0.14	1.0	50	0.11	0.8	40	0.15	1.0
			Geometría ER-SI con diseño positivo a derecha para acabado fino con corte contínuo.																	
CCGT 060202ER-SI	**T8330**	0.2	215	0.10	0.8	125	0.09	0.8	200	0.10	0.8	–	–	–	50	0.08	0.6	–	–	–
	T8430	0.2	260	0.10	0.8	140	0.09	0.8	215	0.10	0.8	–	–	–	55	0.08	0.6	–	–	–
CCGT 060204ER-SI	**T8315**	0.4	225	0.12	0.8	135	0.11	0.8	210	0.12	0.8	–	–	–	55	0.10	0.6	–	–	–
	T8330	0.4	215	0.12	0.8	125	0.11	0.8	200	0.12	0.8	–	–	–	50	0.10	0.6	–	–	–
	T8430	0.4	260	0.12	0.8	140	0.11	0.8	215	0.12	0.8	–	–	–	55	0.10	0.6	–	–	–
CCGT 09T304ER-SI	**T8315**	0.4	205	0.17	0.8	120	0.15	0.8	190	0.17	0.8	–	–	–	50	0.15	0.6	–	–	–
	T8330	0.4	195	0.17	0.8	115	0.15	0.8	185	0.17	0.8	–	–	–	45	0.15	0.6	–	–	–
	T8430	0.4	230	0.17	0.8	125	0.15	0.8	185	0.17	0.8	–	–	–	45	0.15	0.6	–	–	–
CCGT 120408ER-SI	**T8330**	0.8	205	0.23	1.0	120	0.21	1.0	190	0.23	1.0	–	–	–	50	0.21	0.8	–	–	–
	T8430	0.8	230	0.24	1.0	125	0.22	1.0	185	0.24	1.0	–	–	–	45	0.22	0.8	–	–	–
			Geometría EL-SI con diseño positivo a izquierda para acabado fino con corte contínuo.																	
CCGT 060202EL-SI	**T8330**	0.2	215	0.10	0.8	125	0.09	0.8	200	0.10	0.8	–	–	–	50	0.08	0.6	–	–	–
	T8430	0.2	260	0.10	0.8	140	0.09	0.8	215	0.10	0.8	–	–	–	55	0.08	0.6	–	–	–
CCGT 060204EL-SI	**T8315**	0.4	225	0.12	0.8	135	0.11	0.8	210	0.12	0.8	–	–	–	55	0.10	0.6	–	–	–
	T8330	0.4	215	0.12	0.8	125	0.11	0.8	200	0.12	0.8	–	–	–	50	0.10	0.6	–	–	–
	T8430	0.4	260	0.12	0.8	140	0.11	0.8	215	0.12	0.8	–	–	–	55	0.10	0.6	–	–	–
CCGT 09T304EL-SI	**T8315**	0.4	205	0.17	0.8	120	0.15	0.8	190	0.17	0.8	–	–	–	50	0.15	0.6	–	–	–
	T8330	0.4	195	0.17	0.8	115	0.15	0.8	185	0.17	0.8	–	–	–	45	0.15	0.6	–	–	–
	T8430	0.4	230	0.17	0.8	125	0.15	0.8	185	0.17	0.8	–	–	–	45	0.15	0.6	–	–	–
CCGT 120408EL-SI	**T8330**	0.8	205	0.23	1.0	120	0.21	1.0	190	0.23	1.0	–	–	–	50	0.21	0.8	–	–	–
	T8430	0.8	230	0.24	1.0	125	0.22	1.0	185	0.24	1.0	–	–	–	45	0.22	0.8	–	–	–

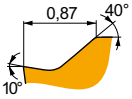
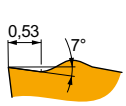
CCMT

PRAMET

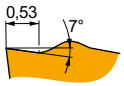
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.40	2.38
0803	7.940	3.40	8.10	3.18
09T3	9.525	4.40	9.70	3.97
1204	12.700	5.50	12.90	4.76



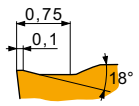
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría FF con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
CCMT 060202E-FF	**T8315**	0.2	◪ 195	0.10	1.0	◪ 115	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	■ 185	0.10	1.0	◪ 110	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.2	■ 230	0.10	1.0	◪ 125	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.2	■ 315	0.10	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 060204E-FF	**T8315**	0.4	◪ 195	0.12	1.0	◪ 115	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 185	0.12	1.0	◪ 110	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 225	0.12	1.0	◪ 120	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 310	0.12	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 09T304E-FF	**T8315**	0.4	◪ 190	0.12	1.2	◪ 110	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 185	0.12	1.2	◪ 110	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 225	0.12	1.2	◪ 120	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 300	0.12	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
CCMT 060202E-FF2	**T7325**	0.2	◪ 240	0.05	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	■ 205	0.05	0.8	–	–	–	■ 190	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	■ 280	0.05	0.8	–	–	–	◪ 230	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.2	■ 390	0.05	0.8	–	–	–	◪ 370	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	■ 350	0.05	0.8	–	–	–	◪ 330	0.05	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.2	■ 345	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 060204E-FF2	**T7325**	0.4	◪ 190	0.12	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 165	0.12	1.0	–	–	–	■ 155	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 205	0.12	1.0	–	–	–	◪ 170	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 280	0.12	1.0	–	–	–	◪ 265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 255	0.12	1.0	–	–	–	◪ 240	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 215	0.12	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TT010	0.4	■ 280	0.12	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 080302E-FF2	**T7325**	0.2	◪ 240	0.05	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	■ 205	0.05	0.8	–	–	–	■ 190	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	■ 280	0.05	0.8	–	–	–	◪ 230	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	■ 350	0.05	0.8	–	–	–	◪ 330	0.05	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.2	■ 345	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 080304E-FF2	**T7325**	0.4	◪ 190	0.12	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 165	0.12	1.0	–	–	–	■ 155	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 205	0.12	1.0	–	–	–	◪ 170	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 255	0.12	1.0	–	–	–	◪ 240	0.12	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.4	■ 350	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

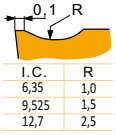
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
CCMT 080308E-FF2	**T7325**	0.8	205	0.17	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	180	0.17	1.0	–	–	–	170	0.17	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	210	0.17	1.0	–	–	–	175	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.17	1.0	–	–	–	245	0.17	1.0	–	–	–	–	–	–	–	–	–
CCMT 09T304E-FF2	**T7325**	0.4	190	0.12	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	165	0.12	1.2	–	–	–	155	0.12	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	200	0.12	1.2	–	–	–	165	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	275	0.12	1.2	–	–	–	260	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	250	0.12	1.2	–	–	–	235	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.4	215	0.12	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TT010	0.4	350	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 09T308E-FF2	**T7325**	0.8	205	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	175	0.17	1.2	–	–	–	165	0.17	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	205	0.17	1.2	–	–	–	170	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	285	0.17	1.2	–	–	–	270	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	255	0.17	1.2	–	–	–	240	0.17	1.2	–	–	–	–	–	–	–	–	–
	TT010	0.8	350	0.10	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
CCMT 060202E-FM	**T7325**	0.2	210	0.10	1.0	160	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.2	210	0.10	1.0	160	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	195	0.10	1.0	115	0.09	1.0	185	0.10	1.0	585	0.12	1.0	–	–	–	–	–	–
	T8330	0.2	185	0.10	1.0	110	0.09	1.0	175	0.10	1.0	555	0.12	1.0	–	–	–	–	–	–
	T8430	0.2	230	0.10	1.0	125	0.09	1.0	185	0.10	1.0	630	0.12	1.0	–	–	–	–	–	–
	T9315	0.2	315	0.10	1.0	–	–	–	295	0.10	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.2	285	0.10	1.0	170	0.09	1.0	270	0.10	1.0	–	–	–	–	–	–	–	–	–
CCMT 060204E-FM	**T7325**	0.4	200	0.15	1.0	155	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	195	0.15	1.0	150	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	185	0.15	1.0	110	0.14	1.0	175	0.15	1.0	555	0.18	1.0	–	–	–	–	–	–
	T8330	0.4	170	0.15	1.0	100	0.14	1.0	160	0.15	1.0	510	0.18	1.0	–	–	–	–	–	–
	T8430	0.4	205	0.15	1.0	110	0.14	1.0	170	0.15	1.0	570	0.18	1.0	–	–	–	–	–	–
	T9315	0.4	285	0.15	1.0	–	–	–	270	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	250	0.15	1.0	150	0.15	1.0	235	0.15	1.0	–	–	–	–	–	–	–	–	–
CCMT 060208E-FM	**T7325**	0.8	220	0.20	1.0	170	0.18	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	190	0.20	1.0	110	0.18	1.0	180	0.20	1.0	570	0.24	1.0	–	–	–	–	–	–
	T8430	0.8	220	0.20	1.0	120	0.18	1.0	180	0.20	1.0	600	0.24	1.0	–	–	–	–	–	–
	T9315	0.8	300	0.20	1.0	–	–	–	285	0.20	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	265	0.20	1.0	155	0.18	1.0	250	0.20	1.0	–	–	–	–	–	–	–	–	–
CCMT 09T302E-FM	**T7325**	0.2	205	0.10	1.2	155	0.09	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.2	205	0.10	1.2	155	0.09	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	190	0.10	1.2	110	0.09	1.2	180	0.10	1.2	570	0.12	1.2	–	–	–	–	–	–
	T8330	0.2	180	0.10	1.2	105	0.09	1.2	170	0.10	1.2	540	0.12	1.2	–	–	–	–	–	–
	T8430	0.2	225	0.10	1.2	120	0.09	1.2	185	0.10	1.2	615	0.12	1.2	–	–	–	–	–	–
	T9315	0.2	310	0.10	1.2	–	–	–	290	0.10	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.2	275	0.10	1.2	165	0.09	1.2	260	0.10	1.2	–	–	–	–	–	–	–	–	–
CCMT 09T304E-FM	**T7325**	0.4	195	0.15	1.2	150	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	190	0.15	1.2	145	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	180	0.15	1.2	105	0.14	1.2	170	0.15	1.2	540	0.18	1.2	–	–	–	–	–	–
	T8330	0.4	170	0.15	1.2	100	0.14	1.2	160	0.15	1.2	510	0.18	1.2	–	–	–	–	–	–
	T8430	0.4	200	0.15	1.2	110	0.14	1.2	165	0.15	1.2	555	0.18	1.2	–	–	–	–	–	–
	T9315	0.4	275	0.15	1.2	–	–	–	260	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	245	0.15	1.2	145	0.15	1.2	230	0.15	1.2	–	–	–	–	–	–	–	–	–

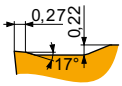
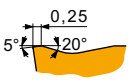
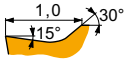
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
CCMT 09T308E-FM	**T7325**	0.8	215	0.20	1.2	165	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	205	0.20	1.2	155	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	195	0.20	1.2	115	0.18	1.2	185	0.20	1.2	585	0.24	1.2	–	–	–	–	–	–
	T8330	0.8	185	0.20	1.2	110	0.18	1.2	175	0.20	1.2	555	0.24	1.2	–	–	–	–	–	–
	T8430	0.8	210	0.20	1.2	115	0.18	1.2	175	0.20	1.2	585	0.24	1.2	–	–	–	–	–	–
	T9315	0.8	290	0.20	1.2	–	–	–	275	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.20	1.2	155	0.18	1.2	245	0.20	1.2	–	–	–	–	–	–	–	–	–
CCMT 120404E-FM	**T7325**	0.4	190	0.15	1.7	145	0.15	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	185	0.15	1.7	140	0.15	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	170	0.15	1.7	100	0.14	1.7	160	0.15	1.7	510	0.18	1.7	–	–	–	–	–	–
	T8330	0.4	165	0.15	1.7	95	0.14	1.7	155	0.15	1.7	495	0.18	1.7	–	–	–	–	–	–
	T8430	0.4	195	0.15	1.7	105	0.14	1.7	160	0.15	1.7	540	0.18	1.7	–	–	–	–	–	–
	T9315	0.4	265	0.15	1.7	–	–	–	250	0.15	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.15	1.7	140	0.15	1.7	225	0.15	1.7	–	–	–	–	–	–	–	–	–
CCMT 120408E-FM	**T7325**	0.8	205	0.20	1.7	155	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	200	0.20	1.7	155	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	190	0.20	1.7	110	0.18	1.7	180	0.20	1.7	570	0.24	1.7	–	–	–	–	–	–
	T8330	0.8	180	0.20	1.7	105	0.18	1.7	170	0.20	1.7	540	0.24	1.7	–	–	–	–	–	–
	T8430	0.8	205	0.20	1.7	110	0.18	1.7	170	0.20	1.7	570	0.24	1.7	–	–	–	–	–	–
	T9315	0.8	280	0.20	1.7	–	–	–	265	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	250	0.20	1.7	150	0.18	1.7	235	0.20	1.7	–	–	–	–	–	–	–	–	–
CCMT 120412E-FM	**T8330**	1.2	175	0.27	1.7	105	0.24	1.7	165	0.27	1.7	525	0.32	1.7	–	–	–	–	–	–
	T8430	1.2	190	0.27	1.7	105	0.24	1.7	155	0.27	1.7	525	0.32	1.7	–	–	–	–	–	–
	T9325	1.2	235	0.27	1.7	140	0.24	1.7	220	0.27	1.7	–	–	–	–	–	–	–	–	–
																				
Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																				
CCMT 080304E-FM2	**T8330**	0.4	165	0.12	1.0	95	0.11	1.0	155	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	205	0.12	1.0	110	0.11	1.0	170	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	280	0.12	1.0	–	–	–	265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	255	0.12	1.0	150	0.11	1.0	240	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.4	215	0.12	1.0	125	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 080308E-FM2	**T8330**	0.8	180	0.17	1.0	105	0.15	1.0	170	0.17	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	210	0.17	1.0	115	0.15	1.0	175	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.17	1.0	155	0.15	1.0	245	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	225	0.17	1.0	135	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 09T304E-FM2	**T6310**	0.4	165	0.12	1.0	115	0.11	1.0	130	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8330	0.4	165	0.12	1.0	95	0.11	1.0	155	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	205	0.12	1.0	110	0.11	1.0	170	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	280	0.12	1.0	–	–	–	265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	255	0.12	1.0	150	0.11	1.0	240	0.12	1.0	–	–	–	–	–	–	–	–	–
CCMT 09T308E-FM2	**T6310**	0.8	180	0.17	1.0	125	0.15	1.0	145	0.17	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	205	0.17	1.0	155	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	180	0.17	1.0	105	0.15	1.0	170	0.17	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	210	0.17	1.0	115	0.15	1.0	175	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	290	0.17	1.0	–	–	–	275	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.17	1.0	155	0.15	1.0	245	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	225	0.17	1.0	135	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 120408E-FM2	**T7325**	0.8	190	0.20	1.5	145	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	165	0.20	1.5	95	0.18	1.5	155	0.20	1.5	–	–	–	–	–	–	–	–	–
	T8430	0.8	190	0.20	1.5	105	0.18	1.5	155	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	235	0.20	1.5	140	0.18	1.5	220	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9335	0.8	200	0.20	1.5	120	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–

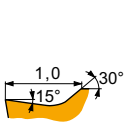
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
Geometría NF2 con diseño positivo para acabado fino a semi-desbaste con corte contínuo.																				
CCMT 060202E-NF2	**T6310**	0.2	170	0.10	0.8	120	0.09	0.8	135	0.10	0.8	510	0.12	0.8	50	0.08	0.6	–	–	–
	T7325	0.2	195	0.10	0.8	150	0.09	0.8	–	–	–	–	–	–	60	0.08	0.6	–	–	–
	T8330	0.2	170	0.10	0.8	100	0.09	0.8	160	0.10	0.8	510	0.12	0.8	40	0.08	0.6	–	–	–
	T8430	0.2	210	0.10	0.8	115	0.09	0.8	175	0.10	0.8	585	0.12	0.8	45	0.08	0.6	–	–	–
	T9325	0.2	260	0.10	0.8	155	0.09	0.8	245	0.10	0.8	–	–	–	55	0.08	0.6	–	–	–
CCMT 060204E-NF2	**H07**	0.4	–	–	–	85	0.11	0.8	140	0.12	0.8	445	0.14	0.8	45	0.11	0.6	–	–	–
	T6310	0.4	170	0.12	0.8	120	0.11	0.8	135	0.12	0.8	510	0.14	0.8	50	0.11	0.6	–	–	–
	T7325	0.4	200	0.12	0.8	155	0.11	0.8	–	–	–	–	–	–	65	0.11	0.6	–	–	–
	T8330	0.4	170	0.12	0.8	100	0.11	0.8	160	0.12	0.8	510	0.14	0.8	40	0.11	0.6	–	–	–
	T8430	0.4	205	0.12	0.8	110	0.11	0.8	170	0.12	0.8	570	0.14	0.8	45	0.11	0.6	–	–	–
	T9315	0.4	290	0.12	0.8	–	–	–	275	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	255	0.12	0.8	150	0.11	0.8	240	0.12	0.8	–	–	–	55	0.11	0.6	–	–	–
	T9335	0.4	220	0.12	0.8	130	0.11	0.8	–	–	–	–	–	–	45	0.11	0.6	–	–	–
CCMT 080304E-NF2	**T5315**	0.4	280	0.12	1.0	–	–	–	265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.4	190	0.12	1.0	145	0.11	1.0	–	–	–	–	–	–	60	0.11	0.8	–	–	–
	T7335	0.4	190	0.12	1.0	145	0.11	1.0	–	–	–	–	–	–	60	0.11	0.8	–	–	–
	T9315	0.4	280	0.12	1.0	–	–	–	265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	255	0.12	1.0	150	0.11	1.0	240	0.12	1.0	–	–	–	55	0.11	0.8	–	–	–
	T9335	0.4	215	0.12	1.2	125	0.11	1.2	–	–	–	–	–	–	45	0.11	1.0	–	–	–
CCMT 080308E-NF2	**H07**	0.8	–	–	–	95	0.13	1.2	150	0.14	1.2	485	0.17	1.2	45	0.13	1.0	–	–	–
	T5315	0.8	295	0.17	1.0	–	–	–	280	0.17	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	205	0.17	1.0	155	0.15	1.0	–	–	–	–	–	–	65	0.14	0.8	–	–	–
	T7335	0.8	205	0.17	1.0	155	0.15	1.0	–	–	–	–	–	–	65	0.14	0.8	–	–	–
	T9325	0.8	260	0.17	1.0	155	0.15	1.0	245	0.17	1.0	–	–	–	55	0.14	0.8	–	–	–
CCMT 09T304E-NF2	**H07**	0.4	–	–	–	85	0.11	1.2	135	0.12	1.2	430	0.14	1.2	40	0.11	1.0	–	–	–
	T6310	0.4	165	0.12	1.2	115	0.11	1.2	130	0.12	1.2	495	0.14	1.2	45	0.11	1.0	–	–	–
	T7325	0.4	190	0.12	1.2	145	0.11	1.2	–	–	–	–	–	–	60	0.11	1.0	–	–	–
	T8330	0.4	165	0.12	1.2	95	0.11	1.2	155	0.12	1.2	495	0.14	1.2	40	0.11	1.0	–	–	–
	T8430	0.4	200	0.12	1.2	110	0.11	1.2	165	0.12	1.2	555	0.14	1.2	40	0.11	1.0	–	–	–
	T9315	0.4	275	0.12	1.2	–	–	–	260	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	250	0.12	1.2	150	0.11	1.2	235	0.12	1.2	–	–	–	55	0.11	1.0	–	–	–
	T9335	0.4	215	0.12	1.2	125	0.11	1.2	–	–	–	–	–	–	45	0.11	1.0	–	–	–
CCMT 09T308E-NF2	**H07**	0.8	–	–	–	95	0.13	1.2	150	0.14	1.2	485	0.17	1.2	45	0.13	1.0	–	–	–
	T6310	0.8	190	0.14	1.2	135	0.13	1.2	150	0.14	1.2	570	0.17	1.2	55	0.13	1.0	–	–	–
	T7325	0.8	215	0.14	1.2	165	0.13	1.2	–	–	–	–	–	–	65	0.13	1.0	–	–	–
	T8330	0.8	190	0.14	1.2	110	0.13	1.2	180	0.14	1.2	570	0.17	1.2	45	0.13	1.0	–	–	–
	T8430	0.8	225	0.14	1.2	120	0.13	1.2	185	0.14	1.2	615	0.17	1.2	45	0.13	1.0	–	–	–
	T9315	0.8	310	0.14	1.2	–	–	–	290	0.14	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	275	0.14	1.2	165	0.13	1.2	260	0.14	1.2	–	–	–	60	0.13	1.0	–	–	–
	T9335	0.8	235	0.14	1.2	140	0.13	1.2	–	–	–	–	–	–	50	0.13	1.0	–	–	–
	 I.C. / R: 6,35 / 1,0; 9,525 / 1,5; 12,7 / 2,5																			
Geometría RF para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
CCMT 060202E-RF	**T7335**	0.2	150	0.15	1.0	115	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 060204E-RF	**T5315**	0.4	235	0.15	1.0	–	–	–	220	0.15	1.0	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.4	160	0.15	1.0	120	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	205	0.15	1.0	120	0.15	1.0	190	0.15	1.0	–	–	–	–	–	–	–	–	–
CCMT 09T304E-RF	**T7335**	0.4	135	0.20	1.5	105	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	175	0.20	1.5	105	0.18	1.5	165	0.20	1.5	–	–	–	–	–	–	–	–	–
CCMT 09T308E-RF	**T5315**	0.8	245	0.20	1.5	–	–	–	230	0.20	1.5	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.8	165	0.20	1.5	125	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	210	0.20	1.5	125	0.18	1.5	195	0.20	1.5	–	–	–	–	–	–	–	–	–
CCMT 120408E-RF	**T5315**	0.8	230	0.22	2.2	–	–	–	215	0.22	2.2	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.8	150	0.22	2.2	115	0.22	2.2	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	195	0.22	2.2	115	0.22	2.2	185	0.22	2.2	–	–	–	–	–	–	–	–	–

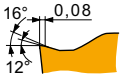
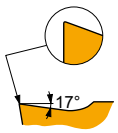
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
CCMT 09T304E-RM	**T5305**	0.4	260	0.27	2.2	–	–	–	245	0.27	2.2	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.4	230	0.27	2.2	–	–	–	215	0.27	2.2	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.4	155	0.27	2.2	120	0.24	2.2	–	–	–	–	–	–	50	0.19	1.8	–	–	–
	T8330	0.4	140	0.27	2.2	80	0.24	2.2	130	0.27	2.2	–	–	–	35	0.19	1.8	25	0.15	1.0
	T8430	0.4	150	0.27	2.2	80	0.24	2.2	125	0.27	2.2	–	–	–	30	0.19	1.8	25	0.15	1.0
	T9315	0.4	215	0.27	2.2	–	–	–	200	0.27	2.2	–	–	–	–	–	–	40	0.15	1.0
	T9325	0.4	190	0.27	2.2	110	0.24	2.2	180	0.27	2.2	–	–	–	40	0.19	1.8	–	–	–
CCMT 09T308E-RM	**T5305**	0.8	290	0.30	2.2	–	–	–	275	0.30	2.2	–	–	–	–	–	–	55	0.15	1.0
	T5315	0.8	265	0.30	2.2	–	–	–	250	0.30	2.2	–	–	–	–	–	–	50	0.15	1.0
	T7335	0.8	175	0.30	2.2	135	0.27	2.2	–	–	–	–	–	–	55	0.24	1.8	–	–	–
	T8330	0.8	165	0.30	2.2	95	0.27	2.2	155	0.30	2.2	–	–	–	40	0.24	1.8	30	0.15	1.0
	T8430	0.8	180	0.30	2.2	95	0.27	2.2	145	0.30	2.2	–	–	–	35	0.24	1.8	30	0.15	1.0
	T9315	0.8	240	0.30	2.2	–	–	–	225	0.30	2.2	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	215	0.30	2.2	125	0.27	2.2	200	0.30	2.2	–	–	–	45	0.24	1.8	–	–	–
CCMT 120408E-RM	**T5305**	0.8	290	0.30	2.7	–	–	–	275	0.30	2.7	–	–	–	–	–	–	55	0.15	1.0
	T5315	0.8	260	0.30	2.7	–	–	–	245	0.30	2.7	–	–	–	–	–	–	50	0.15	1.0
	T7335	0.8	175	0.30	2.7	135	0.27	2.7	–	–	–	–	–	–	55	0.24	2.2	–	–	–
	T8330	0.8	160	0.30	2.7	95	0.27	2.7	150	0.30	2.7	–	–	–	40	0.24	2.2	30	0.15	1.0
	T8430	0.8	175	0.30	2.7	95	0.27	2.7	140	0.30	2.7	–	–	–	35	0.24	2.2	30	0.15	1.0
	T9315	0.8	235	0.30	2.7	–	–	–	220	0.30	2.7	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	210	0.30	2.7	125	0.27	2.7	195	0.30	2.7	–	–	–	45	0.24	2.2	–	–	–
CCMT 120412E-RM	**T8330**	1.2	165	0.33	2.7	95	0.30	2.7	155	0.33	2.7	–	–	–	40	0.23	2.2	30	0.15	1.0
	T8430	1.2	180	0.33	2.7	95	0.30	2.7	145	0.33	2.7	–	–	–	35	0.23	2.2	30	0.15	1.0
	T9315	1.2	235	0.33	2.7	–	–	–	220	0.33	2.7	–	–	–	–	–	–	45	0.15	1.0
	T9325	1.2	215	0.33	2.7	125	0.30	2.7	200	0.33	2.7	–	–	–	45	0.23	2.2	–	–	–
																				
			Geometría RM3 para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
CCMT 120404E-RM3	**T7325**	0.4	140	0.25	2.5	105	0.25	2.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.4	190	0.25	2.5	–	–	–	180	0.25	2.5	–	–	–	–	–	–	35	0.15	1.0
	T9325	0.4	165	0.25	2.5	95	0.25	2.5	155	0.25	2.5	–	–	–	–	–	–	–	–	–
CCMT 120408E-RM3	**T6310**	0.8	145	0.27	2.5	100	0.27	2.5	115	0.27	2.5	–	–	–	–	–	–	25	0.15	1.0
	T7325	0.8	165	0.27	2.5	125	0.27	2.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.8	215	0.27	2.5	–	–	–	200	0.27	2.5	–	–	–	–	–	–	40	0.15	1.0
	T9325	0.8	195	0.27	2.5	115	0.27	2.5	185	0.27	2.5	–	–	–	–	–	–	–	–	–
CCMT 120412E-RM3	**T7325**	1.2	170	0.30	2.5	130	0.27	2.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	1.2	220	0.30	2.5	–	–	–	205	0.30	2.5	–	–	–	–	–	–	40	0.15	1.0
																				
			Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
CCMT 060202E-UR	**T7325**	0.2	185	0.10	0.8	140	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.2	185	0.10	0.8	140	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	170	0.10	0.8	100	0.09	0.8	160	0.10	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.2	160	0.10	0.8	95	0.09	0.8	150	0.10	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	200	0.10	0.8	110	0.09	0.8	165	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.2	275	0.10	0.8	–	–	–	260	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	250	0.10	0.8	150	0.09	0.8	235	0.10	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.2	275	0.10	0.5	165	0.09	0.5	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
CCMT 060204E-UR	**T5315**	0.4	245	0.15	1.0	–	–	–	230	0.15	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.4	170	0.15	1.0	130	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	170	0.15	1.0	130	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	160	0.15	1.0	95	0.14	1.0	150	0.15	1.0	–	–	–	–	–	–	–	–	–
	T8330	0.4	150	0.15	1.0	90	0.14	1.0	140	0.15	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	175	0.15	1.0	95	0.14	1.0	140	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	245	0.15	1.0	–	–	–	230	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	215	0.15	1.0	125	0.15	1.0	200	0.15	1.0	–	–	–	–	–	–	–	–	–
	TT310	0.4	255	0.15	0.5	150	0.14	0.5	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 060208E-UR	**T5315**	0.8	270	0.20	1.0	–	–	–	255	0.20	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	190	0.20	1.0	145	0.18	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	165	0.20	1.0	95	0.18	1.0	155	0.20	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	185	0.20	1.0	100	0.18	1.0	150	0.20	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	255	0.20	1.0	–	–	–	240	0.20	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	230	0.20	1.0	135	0.18	1.0	215	0.20	1.0	–	–	–	–	–	–	–	–	–
CCMT 09T302E-UR	**T6310**	0.2	160	0.10	1.0	115	0.09	1.0	125	0.10	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.2	195	0.10	1.0	105	0.09	1.0	160	0.10	1.0	–	–	–	–	–	–	–	–	–
	TT310	0.2	255	0.10	1.0	150	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 09T304E-UR	**T5315**	0.4	245	0.15	1.2	–	–	–	230	0.15	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.4	170	0.15	1.2	130	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	165	0.15	1.2	125	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	155	0.15	1.2	90	0.14	1.2	145	0.15	1.2	–	–	–	–	–	–	–	–	–
	T8330	0.4	150	0.15	1.2	90	0.14	1.2	140	0.15	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	175	0.15	1.2	95	0.14	1.2	140	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9310	0.4	265	0.15	1.2	–	–	–	250	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	235	0.15	1.2	–	–	–	220	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	215	0.15	1.2	125	0.15	1.2	200	0.15	1.2	–	–	–	–	–	–	–	–	–
	TT310	0.4	235	0.15	1.2	140	0.14	1.2	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 09T308E-UR	**T5315**	0.8	265	0.20	1.2	–	–	–	250	0.20	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	185	0.20	1.2	140	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	175	0.20	1.2	135	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	170	0.20	1.2	100	0.18	1.2	160	0.20	1.2	–	–	–	–	–	–	–	–	–
	T8330	0.8	160	0.20	1.2	95	0.18	1.2	150	0.20	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	185	0.20	1.2	100	0.18	1.2	150	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9310	0.8	280	0.20	1.2	–	–	–	265	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	250	0.20	1.2	–	–	–	235	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.20	1.2	135	0.18	1.2	210	0.20	1.2	–	–	–	–	–	–	–	–	–
	TT310	0.8	255	0.20	1.2	150	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 120404E-UR	**T5315**	0.4	235	0.15	1.7	–	–	–	220	0.15	1.7	–	–	–	–	–	–	–	–	–
	T7325	0.4	160	0.15	1.7	120	0.15	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	140	0.15	1.7	80	0.14	1.7	130	0.15	1.7	–	–	–	–	–	–	–	–	–
	T8430	0.4	170	0.15	1.7	90	0.14	1.7	135	0.15	1.7	–	–	–	–	–	–	–	–	–
	T9315	0.4	230	0.15	1.7	–	–	–	215	0.15	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	205	0.15	1.7	120	0.15	1.7	190	0.15	1.7	–	–	–	–	–	–	–	–	–
CCMT 120408E-UR	**T5315**	0.8	255	0.20	1.7	–	–	–	240	0.20	1.7	–	–	–	–	–	–	–	–	–
	T7325	0.8	175	0.20	1.7	135	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	170	0.20	1.7	130	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	155	0.20	1.7	90	0.18	1.7	145	0.20	1.7	–	–	–	–	–	–	–	–	–
	T8430	0.8	180	0.20	1.7	95	0.18	1.7	145	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9315	0.8	240	0.20	1.7	–	–	–	225	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	215	0.20	1.7	125	0.18	1.7	200	0.20	1.7	–	–	–	–	–	–	–	–	–
CCMT 120412E-UR	**T5315**	1.2	240	0.27	1.7	–	–	–	225	0.27	1.7	–	–	–	–	–	–	–	–	–
	T7325	1.2	170	0.27	1.7	130	0.24	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	1.2	165	0.27	1.7	90	0.24	1.7	135	0.27	1.7	–	–	–	–	–	–	–	–	–
	T9315	1.2	225	0.27	1.7	–	–	–	210	0.27	1.7	–	–	–	–	–	–	–	–	–
	T9325	1.2	205	0.27	1.7	120	0.24	1.7	190	0.27	1.7	–	–	–	–	–	–	–	–	–

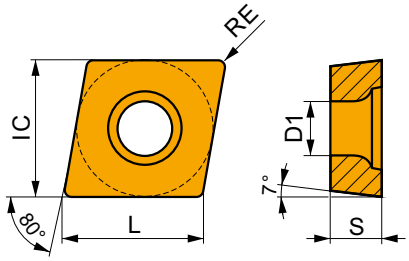
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría Wiper W-FM para acabado y acabado fino con mayores avances y acabado superficial mejorado.																	
CCMT 060204W-FM	**T7325**	0.4	165	0.30	0.8	125	0.27	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.4	165	0.30	0.8	90	0.27	0.8	135	0.30	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	215	0.30	0.8	–	–	–	200	0.30	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.30	0.8	110	0.27	0.8	180	0.30	0.8	–	–	–	–	–	–	–	–	–
CCMT 09T304W-FM	**T7325**	0.4	165	0.30	0.8	125	0.27	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	145	0.30	0.8	85	0.27	0.8	135	0.30	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	165	0.30	0.8	90	0.27	0.8	135	0.30	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	215	0.30	0.8	–	–	–	200	0.30	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.30	0.8	110	0.27	0.8	180	0.30	0.8	–	–	–	–	–	–	–	–	–
CCMT 09T308W-FM	**T8330**	0.8	155	0.40	1.0	90	0.36	1.0	145	0.40	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	170	0.40	1.0	90	0.36	1.0	135	0.40	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	220	0.40	1.0	–	–	–	205	0.40	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	200	0.40	1.0	120	0.36	1.0	190	0.40	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría Wiper W-UR para acabado y acabado fino con mayores avances y acabado superficial mejorado.																	
CCMT 060204W-UR	**TT310**	0.4	255	0.15	0.5	150	0.14	0.5	–	–	–	–	–	–	–	–	–	–	–	–
CCMT 09T308W-UR	**TT310**	0.8	255	0.20	1.2	150	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–

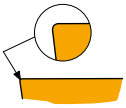
CCMW

PRAMET

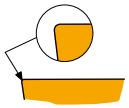
	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
0602	6.350	2.80	6.40	2.38
09T3	9.525	4.40	9.70	3.97
1204	12.700	5.50	12.90	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
CCMW 060202	**T5305**	0.2	–	–	–	–	–	–	230	0.08	2.0	–	–	–	–	–	–	45	0.15	1.0
	T6310	0.2	–	–	–	–	–	–	100	0.08	2.0	–	–	–	–	–	–	25	0.15	1.0
CCMW 060204	**T5305**	0.4	–	–	–	–	–	–	230	0.10	2.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	195	0.10	2.0	–	–	–	–	–	–	40	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	95	0.10	2.0	–	–	–	–	–	–	20	0.15	1.0
CCMW 09T304	**T5305**	0.4	–	–	–	–	–	–	215	0.10	3.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	190	0.10	3.0	–	–	–	–	–	–	40	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	95	0.10	3.0	–	–	–	–	–	–	20	0.15	1.0
CCMW 09T308	**T5305**	0.8	–	–	–	–	–	–	200	0.20	3.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	180	0.20	3.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	90	0.20	3.0	–	–	–	–	–	–	20	0.15	1.0

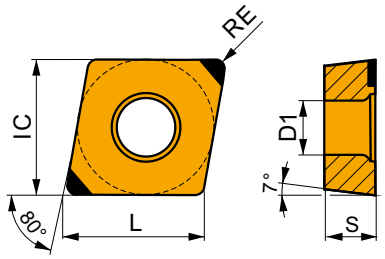
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			E																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
CCMW 120404	**T5305**	0.4	–	–	–	–	–	–	210	0.10	4.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	185	0.10	4.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	90	0.10	4.0	–	–	–	–	–	–	20	0.15	1.0
CCMW 120408	**T5305**	0.8	–	–	–	–	–	–	195	0.20	4.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	175	0.20	4.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	90	0.20	4.0	–	–	–	–	–	–	20	0.15	1.0

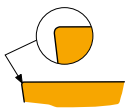
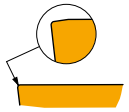
CCGW CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.50	2.38
09T3	9.525	4.50	9.70	3.97



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC E																	
			Para acabado.																	
CCGW 060204E-B	**TB310**	0.4	–	–	–	–	–	–	460	0.10	0.4	–	–	–	120	0.07	0.3	95	0.15	1.0
CCGW 09T304E-B	**TB310**	0.4	–	–	–	–	–	–	460	0.10	0.4	–	–	–	120	0.07	0.3	95	0.15	1.0
			HSC S																	
			Para acabado.																	
CCGW 060204S01020B	**TB310**	0.4	–	–	–	–	–	–	460	0.10	0.4	–	–	–	120	0.07	0.3	95	0.15	1.0
CCGW 09T304S01020B	**TB310**	0.4	–	–	–	–	–	–	460	0.10	0.4	–	–	–	120	0.07	0.3	95	0.15	1.0

SCAC(RL) EXT

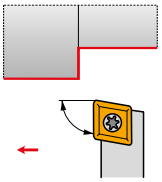
P M K N S H

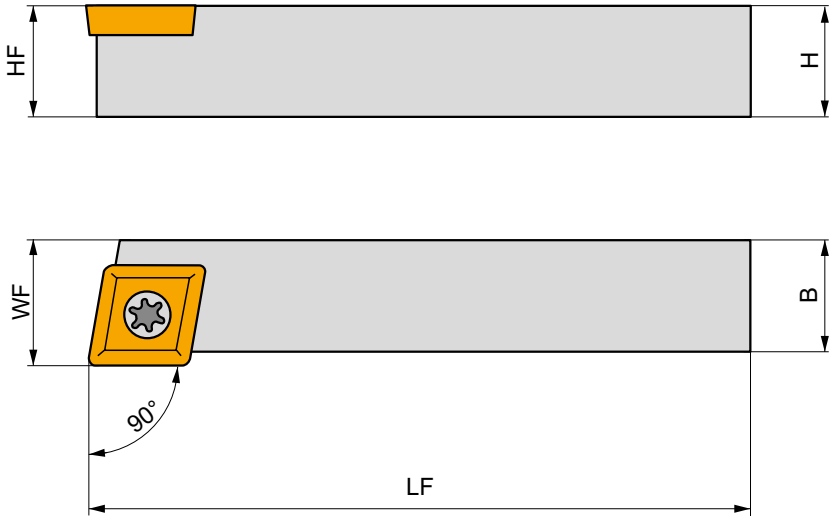
PRAMET

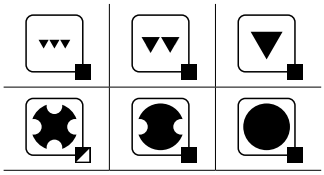
S

Portaherramientas de Exterior con Fijación por Tornillo, a 90°, para Plaquitas CC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y ángulo de posición de 90° para plaquitas positivas CC.. 06 o 09. Adecuado para torneado longitudinal, torneado en cono y achaflanado. Disponible con mangos de 08x08 hasta 16x16. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	SCACR 0808 D 06	8	8	8	8.5	60	0	0	0.04	GI045	S07
	SCACR 1010 E 06	10	10	10	10.5	70	0	0	0.09	GI045	S07
	SCACR 1212 F 09	12	12	12	12.5	80	0	0	0.12	GI041	S04
	SCACR 1616 H 09	16	16	16	16.5	100	0	0	0.22	GI041	S04
L	SCACL 0808 D 06	8	8	8	8.5	60	0	0	0.07	GI045	S07
	SCACL 1010 E 06	10	10	10	10.5	70	0	0	0.06	GI045	S07
	SCACL 1212 F 09	12	12	12	12.5	80	0	0	0.12	GI041	S04
	SCACL 1616 H 09	16	16	16	16.5	100	0	0	0.22	GI041	S04

GI041	CC.. 09T3..
GI045	CC.. 0602..

		Nm			
S04	US 3510-T15P	3.0	M 3.5	10.6	FLAG T15P
S07	US 2506-T07P	0.9	M 2.5	6.3	FLAG T07P

SCBC(RL) EXT

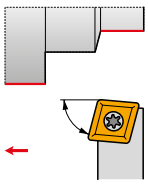
P M K N S H

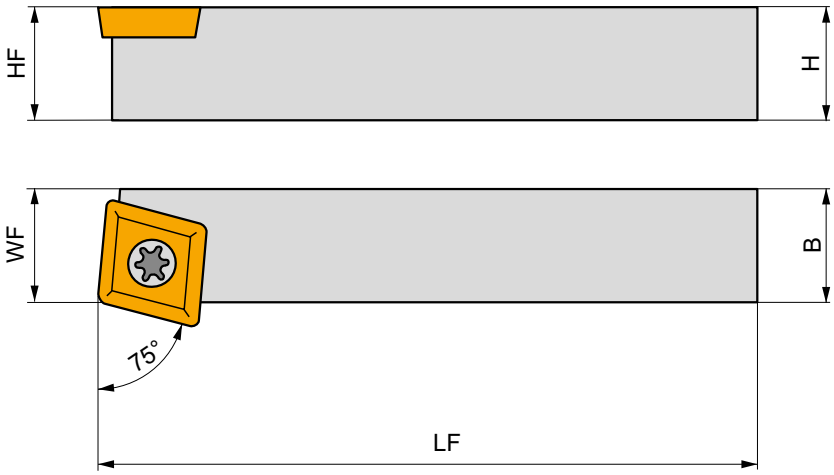
PRAMET

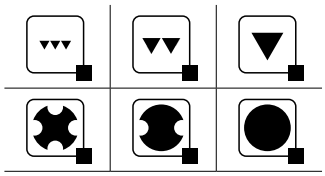
S

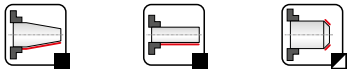
Portaherramientas de Exterior con Fijación por Tornillo, a 75°, para Plaquitas CC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y ángulo de posición de 75° para plaquitas positivas CC.. 09 o 12. Adecuado para torneado longitudinal sin escuadra y achaflanado. Disponible con mangos de 12x12 hasta 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	SCBCR 1212 F 09	12	12	12	11	80	0	0	0.10	GI041	S08
	SCBCR 1616 H 09	16	16	16	13	100	0	0	0.20	GI041	S08
	SCBCR 2020 K 12-M-A	20	20	20	17	125	0	0	0.45	GI011	SC20
	SCBCR 2525 M 12-M-A	25	25	25	22	150	0	0	0.61	GI011	SC20
L	SCBCL 1212 F 09	12	12	12	11	80	0	0	0.10	GI041	S08
	SCBCL 1616 H 09	16	16	16	13	100	0	0	0.22	GI041	S08
	SCBCL 2020 K 12-M-A	20	20	20	17	125	0	0	0.43	GI011	SC20
	SCBCL 2525 M 12-M-A	25	25	25	22	150	0	0	0.75	GI011	SC20

GI011	CC.. 1204..
GI041	CC.. 09T3..

		Nm						
SC20	US 5012-T15P	5.0	M 5	12.2	SCN 120304	MS 5008	FLAG T15P	HXK 5
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

SCDCR EXT

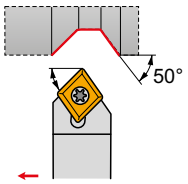
P M K N S H

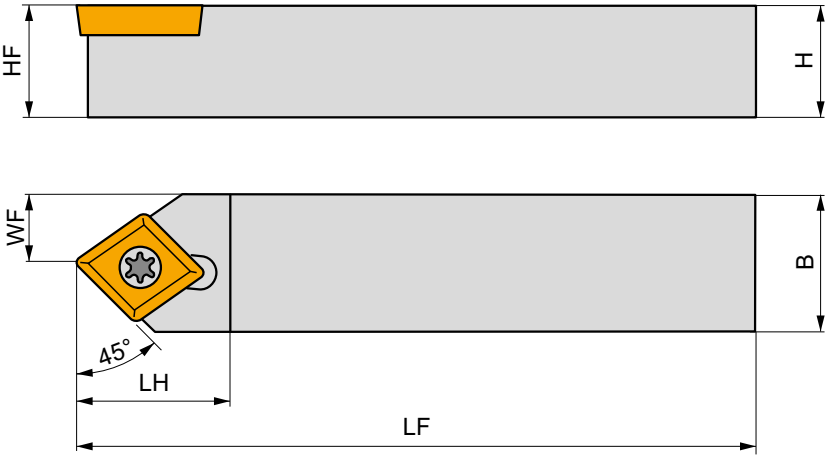
PRAMET

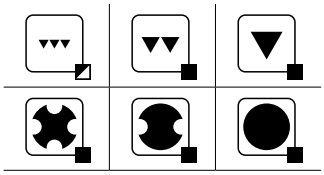
S

Portaherramientas de Exterior con Fijación por Tornillo, a 45°, para Plaquitas CC..

Portaherramientas de exterior a derecha con fijación por tornillo y ángulo de posición de 45° para plaquitas positivas CC.. de 06. Adecuado para torneado longitudinal sin escuadra, torneado en cono, copiado multidireccional y achaflanado. Disponible sólo con mango de 10x10. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SCDCR 1010 E 06	10	10	10	5.11	70	11	0	0	0.06	GI045	SC21

GI045	CC.. 0602..

SC21	5513 020-03	0.8 Nm	M 2.5	6.5	PT-8001

SCFC(RL) EXT

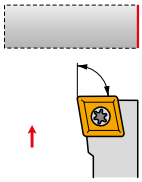
P M K N S H

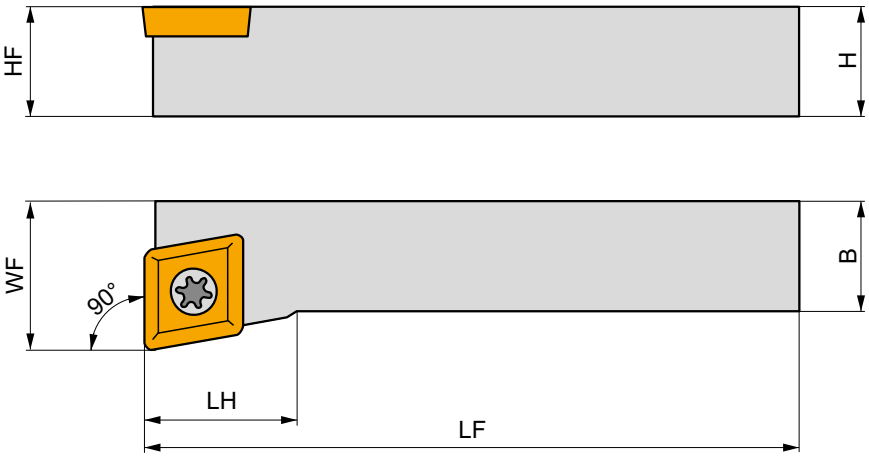
PRAMET

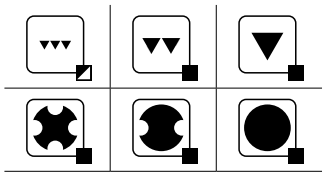
S

Portaherramientas de Exterior con Fijación por Tornillo, a 90°, para Plaquitas CC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y ángulo de posición de 90° para plaquitas positivas CC.. 06 o 09. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono y achaflanado. Disponible con mangos de 08x08 hasta 16x16. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SCFCR 0808 D 06	8	8	8	10	60	8	0	0	0.04	GI045	S07
	SCFCR 1010 E 06	10	10	10	12	70	8	0	0	0.07	GI045	S07
	SCFCR 1212 F 09	12	12	12	16	80	16	0	0	0.12	GI041	S04
	SCFCR 1616 H 09	16	16	16	20	100	16	0	0	0.22	GI041	S04
L	SCFCL 0808 D 06	8	8	8	10	60	8	0	0	0.04	GI045	S07
	SCFCL 1010 E 06	10	10	10	12	70	8	0	0	0.06	GI045	S07
	SCFCL 1212 F 09	12	12	12	16	80	16	0	0	0.10	GI041	S04
	SCFCL 1616 H 09	16	16	16	20	100	16	0	0	0.22	GI041	S04

GI041	CC.. 09T3..
GI045	CC.. 0602..

		Nm			
S04	US 3510-T15P	3.0	M 3.5	10.6	FLAG T15P
S07	US 2506-T07P	0.9	M 2.5	6.3	FLAG T07P

SCLC(RL) EXT

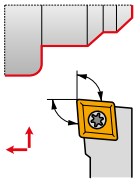
P M K N S H

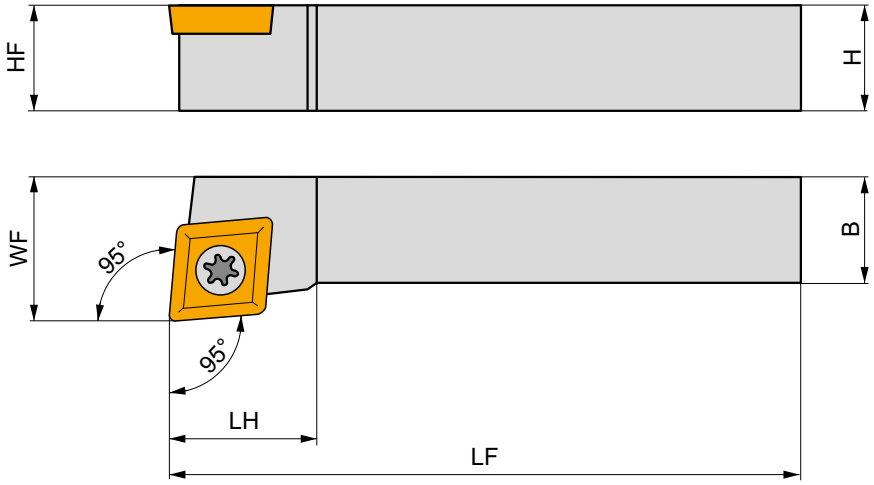
PRAMET

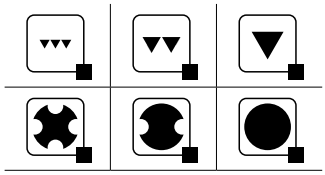
S

Portaherramientas de Exterior con Fijación por Tornillo, a 95°, para Plaquitas CC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y ángulo de posición de 95° para plaquitas positivas CC.. 06, 08, 09 o 12. Adecuado para torneado longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de 08x08 hasta 25x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SCLCR 0808 D 06	8	8	8	10	60	8	0	0	0.06	GI045	S01
	SCLCR 1010 E 06	10	10	10	12	70	8	0	0	0.09	GI045	S01
	SCLCR 1010 E 08	10	10	10	12	70	13.2	0	0	0.03	GI232	SC22
	SCLCR 1212 F 08	12	12	12	16	80	13.4	0	0	0.02	GI232	SC22
	SCLCR 1616 H 08	16	16	16	20	100	15.2	0	0	0.22	GI232	SC22
	SCLCR 1212 F 09	12	12	12	16	80	16	0	0	0.12	GI041	S08
	SCLCR 1616 H 09	16	16	16	20	100	16	0	0	0.22	GI041	S08
	SCLCR 2020 K 12-M-A	20	20	20	25	125	20	0	0	0.44	GI011	SC20
	SCLCR 2525 M 12-M-A	20	25	20	32	150	20	0	0	0.68	GI011	SC20
L	SCLCL 0808 D 06	8	8	8	10	60	8	0	0	0.06	GI045	S01
	SCLCL 1010 E 06	10	10	10	12	70	8	0	0	0.06	GI045	S01
	SCLCL 1212 F 08	12	12	12	16	80	13.4	0	0	0.03	GI232	SC22
	SCLCL 1616 H 08	16	16	16	20	100	15.2	0	0	0.23	GI232	SC22
	SCLCL 1212 F 09	12	12	12	16	80	16	0	0	0.10	GI041	S08
	SCLCL 1616 H 09	16	16	16	20	100	16	0	0	0.22	GI041	S08
	SCLCL 2020 K 12-M-A	20	20	20	25	125	20	0	0	0.40	GI011	SC20
	SCLCL 2525 M 12-M-A	25	25	25	32	150	20	0	0	0.78	GI011	SC20

GI011	CC.. 1204..
GI041	CC.. 09T3..
GI045	CC.. 0602..
GI232	CC.. 0803..

		Nm						
SC20	US 5012-T15P	5.0	M 5	12.2	SCN 120304	MS 5008	FLAG T15P	HXK 5
SC22	5513 020-04	1.5	M 3	7.2	–	–	PT-8003	–
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

NEW

C.-SCLC(RL) EXT

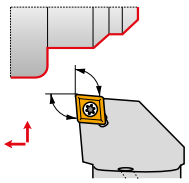
P M K N S H

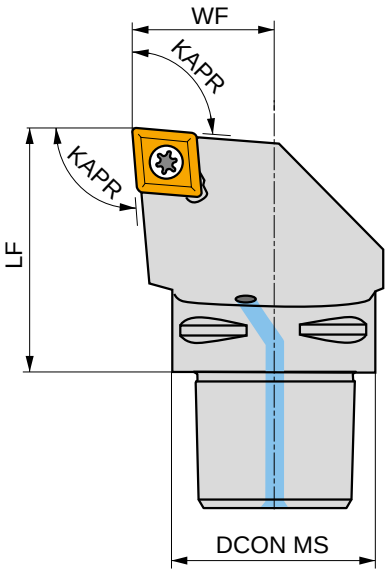
PRAMET

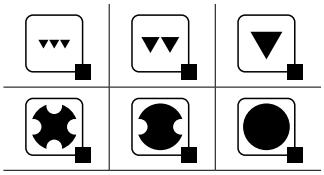
S

Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 95°, para Plaquitas CC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 95° para plaquitas positivas CC.. 09 y 12. Adecuado para torneado longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C5. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C3-SCLCR-22040-09	32	22	40	95	0	0	✓	0.21	GI041	C-SC09S
	C4-SCLCR-27050-09	40	27	50	95	0	0	✓	0.39	GI041	C-SC09S
	C4-SCLCR-27050-12	40	27	50	95	0	0	✓	0.40	GI011	C-SC12-1
	C5-SCLCR-35060-12	50	35	60	95	0	0	✓	0.72	GI011	C-SC12-2
L	C3-SCLCL-22040-09	32	22	40	95	0	0	✓	0.21	GI041	C-SC09S
	C4-SCLCL-27050-09	40	27	50	95	0	0	✓	0.39	GI041	C-SC09S
	C5-SCLCL-35060-12	50	35	60	95	0	0	✓	0.72	GI011	C-SC12-2

GI011	CC.. 1204..
GI041	CC.. 09T3..

		Nm						
C-SC09S	US 2001-T15P	3.0	M 3.5	12.1	SCS 232-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SC12-1	US 2018-T15P	3.0	M 4	14	SCS 232-02	MS 9003	FLAG T15P/4	CN 034-01
C-SC12-2	US 2018-T15P	3.0	M 4	14	SCS 232-02	MS 9003	FLAG T15P/4	CN 034-02

SCFC(RL) INT

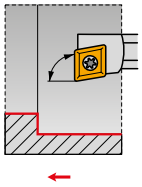
P M K N S H

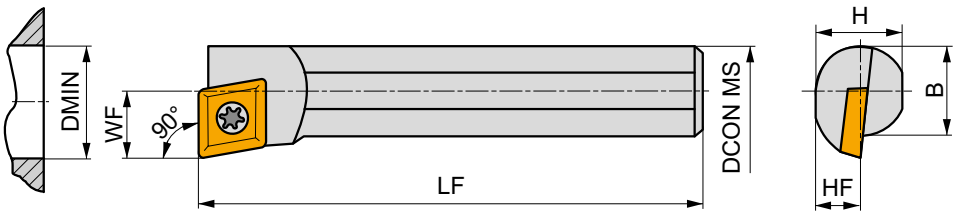
PRAMET

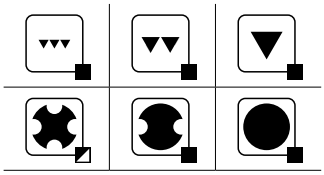
S

Portaherramientas de Interior con Fijación por Tornillo, a 90°, para Plaquitas CC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 90° para plaquitas positivas CC.. 06. Agujero mínimo de Ø13 mm. Para torneado interior longitudinal y refrentado con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø10 y Ø12. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	S10H-SCFCR 06	10	13	7	9	9.5	100	-10	0	0.08	GI045	S06
	S12K-SCFCR 06	12	16	9	11	11.5	125	-7	0	0.11	GI045	S06
L	S10H-SCFCL 06	10	13	7	9	9.5	100	-10	0	0.10	GI045	S06
	S12K-SCFCL 06	12	16	9	11	11.5	125	-7	0	0.14	GI045	S06

GI045	CC.. 0602..

		Nm			
S06	US 2505-T07P	0.9	M 2.5	5.2	FLAG T07P

SCKC(RL) INT

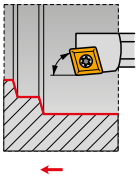
P M K N S H

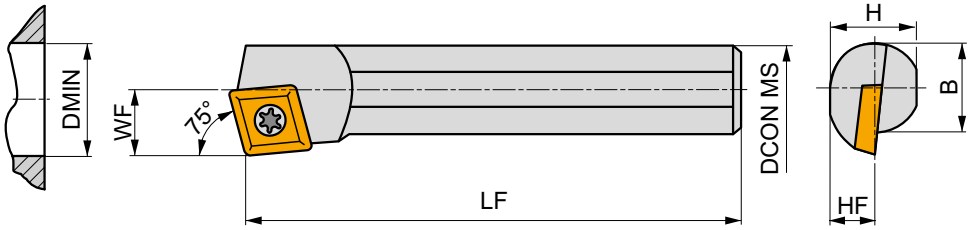
PRAMET

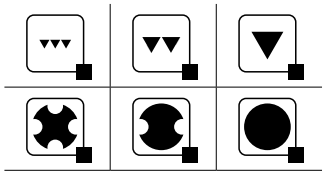
S

Portaherramientas de Interior con Fijación por Tornillo, a 75°, para Plaquitas CC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 75° para plaquitas positivas CC.. 06, 09 o 12. Agujero mínimo de Ø11 mm. Para torneado interior longitudinal sin escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø8 hasta Ø32. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	**S08F-SCKCR 06**	8	11	6	7.2	7.6	80	-12	0	0.03	GI045	S02
	S12K-SCKCR 06	12	16	9	11	11.5	125	-8	0	0.11	GI045	S02
	S16M-SCKCR 09-A	16	20	11	14.5	15	150	-8	0	0.25	GI041	S05
	S20S-SCKCR 09	20	25	13	18.5	18.5	250	-5	0	0.60	GI041	S08
	S25T-SCKCR 09	25	32	17	23	23	300	-3	0	1.15	GI041	S08
	S32U-SCKCR 12-A	32	40	22	30	30	350	-10	0	2.10	GI011	SC20
L	**S08F-SCKCL 06**	8	11	6	7.2	7.6	80	-12	0	0.03	GI045	S02
	S12K-SCKCL 06	12	16	9	11	11.5	125	-8	0	0.11	GI045	S02
	S16M-SCKCL 09-A	16	20	11	14.5	15	150	-8	0	0.24	GI041	S05
	S20S-SCKCL 09	20	25	13	18.5	18.5	250	-5	0	0.60	GI041	S08
	S25T-SCKCL 09	25	32	17	23	23	300	-3	0	1.15	GI041	S08
	S32U-SCKCL 12-A	32	40	22	30	30	350	-10	0	2.10	GI011	SC20

GI011	CC.. 1204..
GI041	CC.. 09T3..
GI045	CC.. 0602..

		Nm						
SC20	US 5012-T15P	5.0	M 5	12.2	SCN 120304	MS 5008	FLAG T15P	HXK 5
S02	US 2505-T07P	0.9	M 2.5	5.2	–	–	FLAG T07P	–
S05	US 4008-T15P	3.5	M 4	8	–	–	FLAG T15P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

SCLC(RL) INT

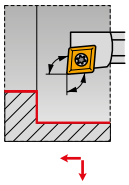
P M K N S H

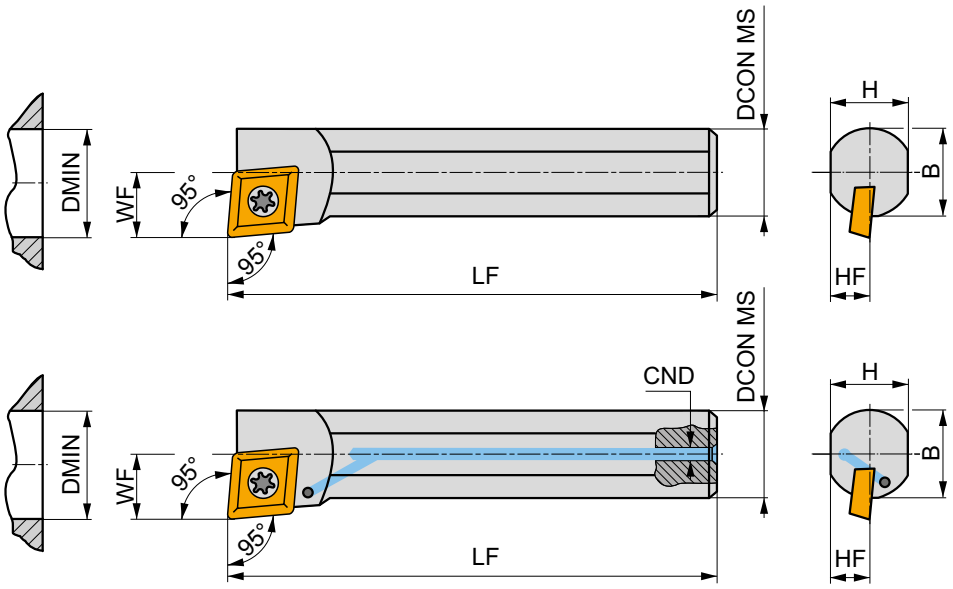
PRAMET

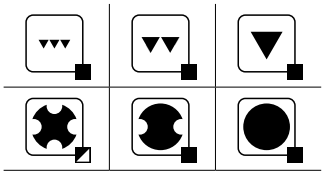
S

Portaherramientas de Interior con Fijación por Tornillo, a 95°, para Plaquitas CC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 95° para plaquitas positivas CC.. 06, 08, 09 o 12. Agujero mínimo de Ø11 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø8 a Ø32. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	CND (mm)	LAMS (°)	GAMO (°)		kg		
R	A08H-SCLCR 06	8	11	6	7.2	7.6	100	3.5	-13	0	✓	0.06	GI045	S02
	S08F-SCLCR 06	8	11	6	7.2	7.6	80	–	-13	0	–	0.06	GI045	S02
	A10H-SCLCR 06	10	13	7	9	–	100	4	-10	0	✓	0.07	GI045	S02
	S10H-SCLCR 06	10	13	7	9	9.5	100	–	-10	0	–	0.08	GI045	S02
	A12K-SCLCR 06	12	16	9	11	–	125	5	-8	0	✓	0.11	GI045	S01
	S12K-SCLCR 06	12	16	9	11	11.5	125	–	-8	0	–	0.13	GI045	S01
	S16M-SCLCR 06	16	20	11	14.5	15	150	–	-8	0	–	0.25	GI045	S01
	A10K-SCLCR 08	10	12	6	9	9.5	125	4	-14	0	✓	0.09	GI232	SC22
	A12M-SCLCR 08	12	16	9	11	11.5	150	5	-5	0	✓	0.14	GI232	SC22
	A16R-SCLCR 08	16	20	11	14	15	200	6	-8	0	✓	0.28	GI232	SC22
	A16M-SCLCR 09-A	16	20	11	14.5	–	150	6	-8	0	✓	0.22	GI041	S05
	S16M-SCLCR 09-A	16	20	11	14.5	15	150	–	-8	0	–	0.25	GI041	S05
	A20Q-SCLCR 09	20	25	13	18	–	180	8	-5	0	✓	0.38	GI041	S08
	S20S-SCLCR 09	20	25	13	18	18.5	250	–	-5	0	–	0.62	GI041	S08
	A25R-SCLCR 09	25	32	17	23	23	200	8	-3	0	✓	0.60	GI041	S08
	S25T-SCLCR 09	25	32	17	23	23	300	–	-3	0	–	1.10	GI041	S08
	A32S-SCLCR 12-A	32	40	22	30	30	250	8	-10	0	✓	1.35	GI011	SC20
	S32U-SCLCR 12-A	32	40	22	30	30	350	–	-10	0	–	2.10	GI011	SC20
L	A08H-SCLCL 06	8	11	6	7.2	7.6	100	–	-13	0	✓	0.06	GI045	S02
	S08F-SCLCL 06	8	11	6	7.2	7.6	80	–	-13	0	–	0.05	GI045	S02
	A10H-SCLCL 06	10	13	7	9	–	100	4	-10	0	✓	0.06	GI045	S02
	S10H-SCLCL 06	10	13	7	9	9.5	100	–	-10	0	–	0.06	GI045	S02
	A12K-SCLCL 06	12	16	9	11	–	125	5	-8	0	✓	0.10	GI045	S01
	S12K-SCLCL 06	12	16	9	11	11.5	125	–	-8	0	–	0.11	GI045	S01
	S16M-SCLCL 06	16	20	11	14.5	15	150	–	-8	0	–	0.26	GI045	S01
	A10K-SCLCL 08	10	12	6	9	9.5	125	4	-14	0	✓	0.02	GI232	SC22
	A12M-SCLCL 08	12	16	9	11	11.5	150	5	-5	0	✓	0.14	GI232	SC22

	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	CND (mm)	LAMS (°)	GAMO (°)		kg		
L	**A16R-SCLCL 08**	16	20	11	14	15	200	6	-8	0	✓	0.30	GI232	SC22
	A16M-SCLCL 09-A	16	20	11	14.5	–	150	6	-8	0	✓	0.22	GI041	S05
	S16M-SCLCL 09-A	16	20	11	14.5	15	150	–	-8	0	–	0.24	GI041	S05
	A20Q-SCLCL 09	20	25	13	18	–	180	8	-5	0	✓	0.40	GI041	S08
	S20S-SCLCL 09	20	25	13	18	18.5	250	–	-5	0	–	0.60	GI041	S08
	A25R-SCLCL 09	25	32	17	23	23	200	8	-3	0	✓	0.67	GI041	S08
	S25T-SCLCL 09	25	32	17	23	23	300	–	-3	0	–	1.15	GI041	S08
	A32S-SCLCL 12-A	32	40	22	30	30	250	8	-10	0	✓	1.35	GI011	SC20
	S32U-SCLCL 12-A	32	40	22	30	30	350	–	-10	0	–	2.10	GI011	SC20

GI011	CC.. 1204..
GI041	CC.. 09T3..
GI045	CC.. 0602..
GI232	CC.. 0803..

		Nm						
SC20	US 5012-T15P	5.0	M 5	12.2	SCN 120304	MS 5008	FLAG T15P	HXK 5
SC22	5513 020-04	1.5	M 3	7.2	–	–	PT-8003	–
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S02	US 2505-T07P	0.9	M 2.5	5.2	–	–	FLAG T07P	–
S05	US 4008-T15P	3.5	M 4	8	–	–	FLAG T15P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

SCXC(RL) INT

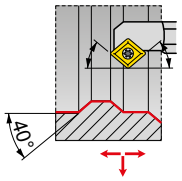
P M K N S H

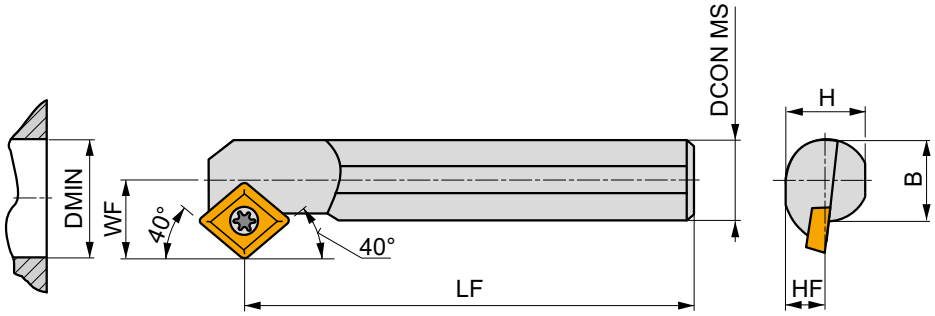
PRAMET

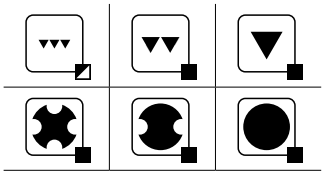
S

Portaherramientas de Interior con Fijación por Tornillo, a 40°, para Plaquitas CC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 40° para plaquitas positivas CC.. 06. Agujero mínimo de Ø13 mm. Para torneado interior longitudinal sin escuadra, achaflanado interior frontal y trasero y torneado en cono. Disponible con mangos de Ø10 hasta Ø16. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	S10H-SCXCR 06	10	13	7	9	9.5	100	-10	0	0.06	GI045	S06
	S12K-SCXCR 06	12	16	9	11	11.5	125	-8	0	0.11	GI045	S06
	S16Q-SCXCR 06	16	20	11	14.5	15	180	-7	0	0.31	GI045	S07
L	S10H-SCXCL 06	10	13	7	9	9.5	100	-10	0	0.06	GI045	S06
	S12K-SCXCL 06	12	16	9	11	11.5	125	-8	0	0.11	GI045	S06
	S16Q-SCXCL 06	16	20	11	14.5	15	180	-7	0	0.30	GI045	S07

GI045	CC.. 0602..

		Nm			
S06	US 2505-T07P	0.9	M 2.5	5.2	FLAG T07P
S07	US 2506-T07P	0.9	M 2.5	6.3	FLAG T07P

NEW

C.-SCLC(RL) INT

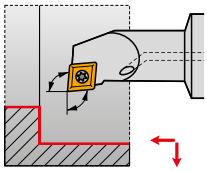
P M K N S H

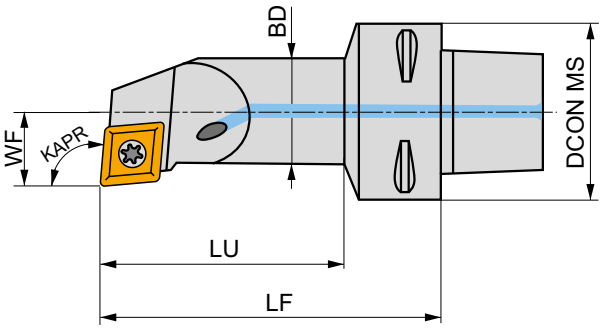
PRAMET

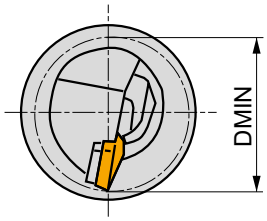
S

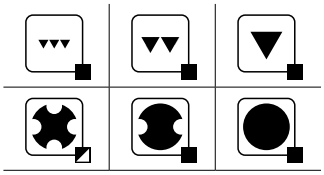
Herramienta de Interior PSC de Cambio Rápido con Fijación por Tornillo, a 95°, para Plaquitas CC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 95° para plaquitas positivas CC.. 09. Agujero mínimo de Ø20 mm. Para una amplia gama de operaciones de torneado interior. Mango PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C5 con opciones de longitud. Cuerpo tratado para mayor vida útil.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C3-SCLCR-11065-09	32	20	11	65	48	16	95	-8.4	0	✓	0.21	GI041	SC09M
	C3-SCLCR-13075-09	32	25	13	75	58	20	95	-5.8	0	✓	0.26	GI041	SC09M
	C4-SCLCR-11070-09	40	20	11	70	47	16	95	-8.4	0	✓	0.36	GI041	SC09M
	C4-SCLCR-13080-09	40	25	13	80	57	20	95	-5.8	0	✓	0.41	GI041	SC09M
	C4-SCLCR-17090-09	40	32	17	90	68	25	95	-3.4	0	✓	0.50	GI041	SC09M
	C5-SCLCR-11070-09	50	20	11	70	46	16	95	-8.4	0	✓	0.55	GI041	SC09M
	C5-SCLCR-13080-09	50	25	13	80	56	20	95	-5.8	0	✓	0.60	GI041	SC09M
L	C4-SCLCL-11070-09	40	20	11	70	47	16	95	-8.4	0	✓	0.36	GI041	SC09M
	C4-SCLCL-13080-09	40	25	13	80	57	20	95	-5.8	0	✓	0.62	GI041	SC09M
	C5-SCLCL-11070-09	50	20	11	70	46	16	95	-8.4	0	✓	0.55	GI041	SC09M
	C5-SCLCL-13080-09	50	25	13	80	56	20	95	-5.8	0	✓	0.60	GI041	SC09M

GI041	CC.. 09T3..

		Nm			
SC09M	US 2009-T15P	3.0	M 3.5	8.1	FLAG T15P/3,5

CP 05

PLAQUITAS DE METAL DURO

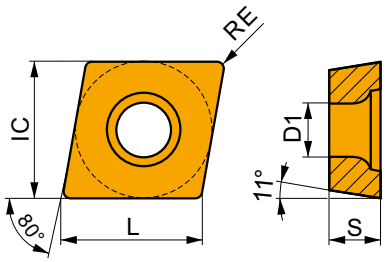
CPGX

83

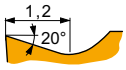
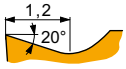
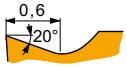
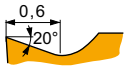
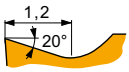
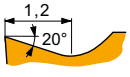
CPGX

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.40	2.38
0803	7.940	3.40	8.10	3.18
09T3	9.525	4.40	9.70	3.97



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FR-JQ con diseño positivo a derecha para operaciones de acabado fino con corte contínuo.																	
CPGX 080304FR-JQ	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría FL-JQ con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																	
CPGX 080304FL-JQ	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
CPGX 09T304FL-JQ	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría FR-JJR con diseño positivo a derecha para operaciones de acabado fino con corte contínuo.																	
CPGX 060204FR-JR	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
CPGX 080304FR-JR	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría FL-JR con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																	
CPGX 060204FL-JR	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
CPGX 080304FL-JR	**TT010**	0.4	■ 350	0.06	0.5	◪ 210	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría FR-JZ con diseño positivo a derecha para operaciones de acabado fino con corte contínuo.																	
CPGX 060202FR-JZ	**TT010**	0.2	■ 330	0.06	0.5	◪ 195	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría FL-JZ con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																	
CPGX 060202FL-JZ	**TT010**	0.2	■ 330	0.06	0.5	◪ 195	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–

DC

07 / 11 / 15

PLAQUITAS DE METAL DURO

DCGT

86

DCMT

87

DCMW

92

PLAQUITAS DE CBN Y PCD

DCGW CBN

92

DCMW PCD

93

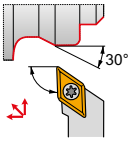
ENCONTRAR EL TAMANO CORRECTO (ejemplo)

Plaquita	Portaherramientas
DCMT **07**0204E-UR	SDJCR 0808 D **07**

TORNEADO ISO - EXTERIOR

SDJC(RL) EXT

93° | DC..



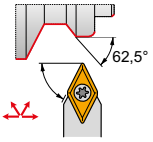
DC.. : 07, 11, 15

08×08 / 25×25

94 | 86 – 93

SDNCN EXT

62°30´ | DC..



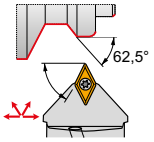
DC.. : 7, 11

08×08 / 25×25

95 | 86 – 93

C.-SDNCN EXT NEW

62°30´ | DC..



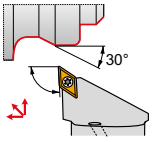
DC.. : 11

C4 / C5

97 | 86 – 93

C.-SDJC(RL) EXT NEW

93° | DC..



DC.. : 11

C3 / C5

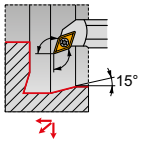
96 | 86 – 93

DC

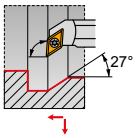
07 / 11 / 15

TORNEADO ISO - INTERIOR

SDQC(RL) INT

107°30´	DC..
	07 11
ØDmin 13 / 40	
98	86 – 93

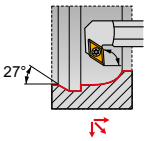
SDUC(RL) INT

93°	DC..
	07 11
ØDmin 13 / 40	
99	86 – 93

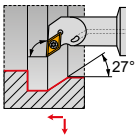
SDUC(RL)-E INT

93°	DC..
	07 11
ØDmin 13 / 40	
100	86 – 93

SDZC(RL) INT

93°	DC..
	07 11
ØDmin 27 / 65	
101	86 – 93

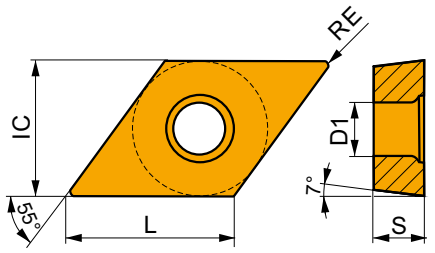
C.-SDUC(RL) INT NEW

93°	DC..
	07 11
ØDmin 20 / 32	
102	86 – 93

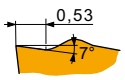
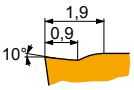
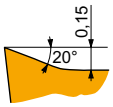
DCGT

PRAMET

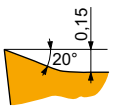
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0702	6.350	2.80	7.80	2.38
0702-SF3	6.350	2.80	7.80	2.58
11T3	9.525	4.40	11.60	3.97
11T3-SF3	9.525	4.40	11.60	4.22



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.																	
DCGT 070202F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	360	0.12	1.0	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	510	0.12	1.0	–	–	–	–	–	–
DCGT 070204F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	285	0.24	1.0	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	420	0.24	1.0	–	–	–	–	–	–
DCGT 11T302F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	345	0.12	1.5	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	495	0.12	1.5	–	–	–	–	–	–
DCGT 11T304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	270	0.24	1.5	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	390	0.24	1.5	–	–	–	–	–	–
DCGT 11T308F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	255	0.48	1.5	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	360	0.48	1.5	–	–	–	–	–	–
																				
			Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
DCGT 11T302E-FF2	**T7325**	0.2	190	0.05	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	165	0.05	0.8	–	–	–	155	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	225	0.05	0.8	–	–	–	185	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	280	0.05	0.8	–	–	–	265	0.05	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.2	275	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría NF1 con diseño positivo para acabado fino a mecanizado medio con corte contínuo.																	
DCGT 11T304E-NF1	**T6310**	0.4	145	0.10	0.8	100	0.09	0.8	–	–	–	435	0.12	0.8	40	0.07	0.6	25	0.15	1.0
	T7325	0.4	165	0.10	0.8	125	0.09	0.8	–	–	–	–	–	–	50	0.07	0.6	–	–	–
DCGT 11T308E-NF1	**T6310**	0.8	155	0.14	0.8	110	0.13	0.8	–	–	–	465	0.17	0.8	45	0.13	0.6	30	0.15	1.0
	T7325	0.8	180	0.14	0.8	140	0.13	0.8	–	–	–	–	–	–	55	0.13	0.6	–	–	–
																				
			Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																	
DCGT 070201E-SF3	**T6310**	0.1	160	0.05	0.5	115	0.05	0.5	125	0.05	0.5	480	0.06	0.5	45	0.04	0.4	30	0.15	1.0
DCGT 070202E-SF3	**H07**	0.2	–	–	–	95	0.05	0.8	150	0.05	0.8	485	0.06	0.8	45	0.04	0.6	–	–	–
	T6310	0.2	165	0.05	0.8	115	0.05	0.8	130	0.05	0.8	495	0.06	0.8	45	0.04	0.6	30	0.15	1.0
	T8315	0.2	175	0.05	0.8	105	0.05	0.8	165	0.05	0.8	525	0.06	0.8	40	0.04	0.6	35	0.15	1.0
DCGT 070204E-SF3	**H07**	0.4	–	–	–	75	0.09	0.8	120	0.10	0.8	390	0.12	0.8	35	0.07	0.6	–	–	–
	T6310	0.4	145	0.10	0.8	100	0.09	0.8	115	0.10	0.8	435	0.12	0.8	40	0.07	0.6	25	0.15	1.0
	T8315	0.4	155	0.10	0.8	90	0.09	0.8	145	0.10	0.8	465	0.12	0.8	35	0.07	0.6	30	0.15	1.0
DCGT 11T301E-SF3	**T6310**	0.1	160	0.05	0.5	115	0.05	0.5	125	0.05	0.5	480	0.06	0.5	45	0.04	0.4	30	0.15	1.0

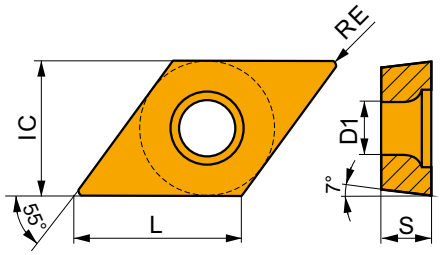
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																	
DCGT 11T302E-SF3	**H07**	0.2	–	–	–	95	0.05	0.8	150	0.05	0.8	485	0.06	0.8	45	0.04	0.6	–	–	–
	T6310	0.2	165	0.05	0.8	115	0.05	0.8	130	0.05	0.8	495	0.06	0.8	45	0.04	0.6	30	0.15	1.0
DCGT 11T304E-SF3	**H07**	0.4	–	–	–	75	0.09	0.8	120	0.10	0.8	390	0.12	0.8	35	0.07	0.6	–	–	–
	T6310	0.4	145	0.10	0.8	100	0.09	0.8	115	0.10	0.8	435	0.12	0.8	40	0.07	0.6	25	0.15	1.0
	T8315	0.4	155	0.10	0.8	90	0.09	0.8	145	0.10	0.8	465	0.12	0.8	35	0.07	0.6	30	0.15	1.0
DCGT 11T308E-SF3	**H07**	0.8	–	–	–	90	0.09	0.8	145	0.10	0.8	455	0.12	0.8	45	0.08	0.6	–	–	–
	T6310	0.8	170	0.10	0.8	120	0.09	0.8	135	0.10	0.8	510	0.12	0.8	50	0.08	0.6	30	0.15	1.0
	T8315	0.8	180	0.10	0.8	105	0.09	0.8	170	0.10	0.8	540	0.12	0.8	45	0.08	0.6	35	0.15	1.0
			Geometría ER-SI con diseño positivo a derecha para acabado fino con corte contínuo.																	
DCGT 11T304ER-SI	**T8330**	0.4	170	0.12	0.8	100	0.11	0.8	160	0.12	0.8	–	–	–	40	0.10	0.6	–	–	–
	T8430	0.4	205	0.12	0.8	110	0.11	0.8	170	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–
DCGT 11T308ER-SI	**T8330**	0.8	170	0.22	1.0	100	0.20	1.0	160	0.22	1.0	–	–	–	40	0.18	0.8	–	–	–
	T8430	0.8	190	0.22	1.0	105	0.20	1.0	155	0.22	1.0	–	–	–	40	0.18	0.8	–	–	–
			Geometría EL-SI con diseño positivo a izquierda para acabado fino con corte contínuo.																	
DCGT 11T304EL-SI	**T8330**	0.4	170	0.12	0.8	100	0.11	0.8	160	0.12	0.8	–	–	–	40	0.10	0.6	–	–	–
	T8430	0.4	205	0.12	0.8	110	0.11	0.8	170	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–
DCGT 11T308EL-SI	**T8430**	0.8	190	0.22	1.0	105	0.20	1.0	155	0.22	1.0	–	–	–	40	0.18	0.8	–	–	–

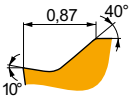
DCMT

PRAMET

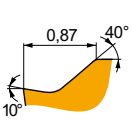
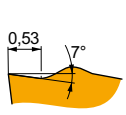
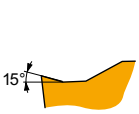
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0702	6.350	2.80	7.80	2.38
11T3	9.525	4.40	11.60	3.97
1504	12.700	5.50	15.50	4.76



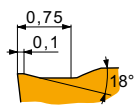
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría FF con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
DCMT 11T302E-FF	**T8315**	0.2	160	0.10	0.8	95	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	150	0.10	0.8	90	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.2	185	0.10	0.8	100	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.2	255	0.10	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

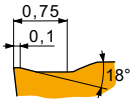
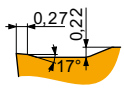
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FF con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
DCMT 11T304E-FF	**T8315**	0.4	◪ 160	0.12	0.8	◪ 95	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 150	0.12	0.8	◪ 90	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 185	0.12	0.8	◪ 100	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 255	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T308E-FF	**T8315**	0.8	◪ 180	0.15	0.8	◪ 105	0.14	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 170	0.15	0.8	◪ 100	0.14	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 200	0.15	0.8	◪ 110	0.14	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 270	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
DCMT 070202E-FF2	**T7325**	0.2	◪ 190	0.05	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	■ 165	0.05	0.8	–	–	–	■ 155	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	■ 225	0.05	0.8	–	–	–	◪ 185	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	■ 280	0.05	0.8	–	–	–	◪ 265	0.05	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.2	■ 275	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 070204E-FF2	**T7325**	0.4	◪ 160	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 135	0.12	0.8	–	–	–	■ 125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 170	0.12	0.8	–	–	–	◪ 135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 230	0.12	0.8	–	–	–	◪ 215	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 205	0.12	0.8	–	–	–	◪ 190	0.12	0.8	–	–	–	–	–	–	–	–	–
DCMT 070208E-FF2	**T7325**	0.8	◪ 170	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 150	0.17	0.8	–	–	–	■ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 175	0.17	0.8	–	–	–	◪ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 235	0.17	0.8	–	–	–	◪ 220	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 215	0.17	0.8	–	–	–	◪ 200	0.17	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T304E-FF2	**T7325**	0.4	◪ 160	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 135	0.12	0.8	–	–	–	■ 125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 170	0.12	0.8	–	–	–	◪ 135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 230	0.12	0.8	–	–	–	◪ 215	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 205	0.12	0.8	–	–	–	◪ 190	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 175	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TT010	0.4	■ 280	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T308E-FF2	**T7325**	0.8	◪ 170	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 150	0.17	0.8	–	–	–	■ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 175	0.17	0.8	–	–	–	◪ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 235	0.17	0.8	–	–	–	◪ 220	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 215	0.17	0.8	–	–	–	◪ 200	0.17	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.8	■ 280	0.10	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
DCMT 070202E-FM	**T7325**	0.2	◪ 175	0.10	0.8	■ 135	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	◪ 160	0.10	0.8	■ 95	0.09	0.8	◪ 150	0.10	0.8	◪ 480	0.12	0.8	–	–	–	–	–	–
	T8330	0.2	■ 150	0.10	0.8	■ 90	0.09	0.8	◪ 140	0.10	0.8	◪ 450	0.12	0.8	–	–	–	–	–	–
	T8430	0.2	■ 185	0.10	0.8	■ 100	0.09	0.8	◪ 150	0.10	0.8	◪ 510	0.12	0.8	–	–	–	–	–	–
	T9315	0.2	■ 255	0.10	0.8	–	–	–	◪ 240	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	■ 230	0.10	0.8	■ 135	0.09	0.8	◪ 215	0.10	0.8	–	–	–	–	–	–	–	–	–

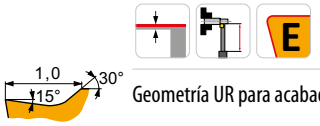
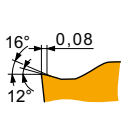
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
DCMT 070204E-FM	**T7325**	0.4	155	0.17	0.8	120	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	155	0.17	0.8	120	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	160	0.12	0.8	95	0.11	0.8	150	0.12	0.8	480	0.14	0.8	–	–	–	–	–	–
	T8330	0.4	150	0.12	0.8	90	0.11	0.8	140	0.12	0.8	450	0.14	0.8	–	–	–	–	–	–
	T8430	0.4	185	0.12	0.8	100	0.11	0.8	150	0.12	0.8	510	0.14	0.8	–	–	–	–	–	–
	T9315	0.4	255	0.12	0.8	–	–	–	240	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.18	0.8	110	0.16	0.8	180	0.18	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T302E-FM	**T7325**	0.2	175	0.10	0.8	135	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	160	0.10	0.8	95	0.09	0.8	150	0.10	0.8	480	0.12	0.8	–	–	–	–	–	–
	T8330	0.2	150	0.10	0.8	90	0.09	0.8	140	0.10	0.8	450	0.12	0.8	–	–	–	–	–	–
	T8430	0.2	185	0.10	0.8	100	0.09	0.8	150	0.10	0.8	510	0.12	0.8	–	–	–	–	–	–
	T9315	0.2	255	0.10	0.8	–	–	–	240	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	230	0.10	0.8	135	0.09	0.8	215	0.10	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T304E-FM	**T7325**	0.4	155	0.17	0.8	120	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	155	0.17	0.8	120	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	160	0.12	0.8	95	0.11	0.8	150	0.12	0.8	480	0.14	0.8	–	–	–	–	–	–
	T8330	0.4	135	0.17	0.8	80	0.15	0.8	125	0.17	0.8	405	0.20	0.8	–	–	–	–	–	–
	T8430	0.4	155	0.17	0.8	85	0.15	0.8	130	0.17	0.8	435	0.20	0.8	–	–	–	–	–	–
	T9310	0.4	285	0.12	0.8	–	–	–	270	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	255	0.12	0.8	–	–	–	240	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.18	0.8	110	0.16	0.8	180	0.18	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T308E-FM	**T7325**	0.8	185	0.17	0.8	140	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	180	0.17	0.8	140	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	170	0.17	0.8	100	0.15	0.8	160	0.17	0.8	510	0.20	0.8	–	–	–	–	–	–
	T8330	0.8	165	0.17	0.8	95	0.15	0.8	155	0.17	0.8	495	0.20	0.8	–	–	–	–	–	–
	T8430	0.8	190	0.17	0.8	105	0.15	0.8	155	0.17	0.8	525	0.20	0.8	–	–	–	–	–	–
	T9310	0.8	285	0.17	0.8	–	–	–	270	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	260	0.17	0.8	–	–	–	245	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	235	0.17	0.8	140	0.15	0.8	220	0.17	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T312E-FM	**T8330**	1.2	150	0.22	1.2	90	0.22	1.2	140	0.22	1.2	450	0.26	1.2	–	–	–	–	–	–
	T8430	1.2	175	0.22	1.2	95	0.22	1.2	140	0.22	1.2	480	0.26	1.2	–	–	–	–	–	–
	T9315	1.2	235	0.22	1.2	–	–	–	220	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	210	0.22	1.2	125	0.22	1.2	195	0.22	1.2	–	–	–	–	–	–	–	–	–
																				
Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																				
DCMT 070204E-FM2	**T6310**	0.4	135	0.12	0.8	95	0.11	0.8	105	0.12	0.8	–	–	–	–	–	–	–	–	–
	T7325	0.4	160	0.12	0.8	120	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	135	0.12	0.8	80	0.11	0.8	125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	170	0.12	0.8	90	0.11	0.8	135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	230	0.12	0.8	–	–	–	215	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	205	0.12	0.8	120	0.11	0.8	190	0.12	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T304E-FM2	**T6310**	0.4	135	0.12	0.8	95	0.11	0.8	105	0.12	0.8	–	–	–	–	–	–	–	–	–
	T7325	0.4	160	0.12	0.8	120	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	135	0.12	0.8	80	0.11	0.8	125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	170	0.12	0.8	90	0.11	0.8	135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	230	0.12	0.8	–	–	–	215	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	205	0.12	0.8	120	0.11	0.8	190	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	175	0.12	0.8	105	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																	
DCMT 11T308E-FM2	**T6310**	0.8	■ 150	0.17	0.8	◪ 105	0.15	0.8	■ 120	0.17	0.8	–	–	–	–	–	–	–	–	–
	T7325	0.8	◪ 170	0.17	0.8	◪ 130	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 150	0.17	0.8	◪ 90	0.15	0.8	■ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 175	0.17	0.8	◪ 95	0.15	0.8	◪ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 235	0.17	0.8	–	–	–	◪ 220	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 215	0.17	0.8	◪ 125	0.15	0.8	◪ 200	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 180	0.17	0.8	◪ 105	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T312E-FM2	**T8430**	1.2	■ 155	0.22	1.2	◪ 85	0.20	1.2	◪ 130	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 190	0.22	1.2	◪ 110	0.20	1.2	◪ 180	0.22	1.2	–	–	–	–	–	–	–	–	–
DCMT 150408E-FM2	**T9315**	0.8	■ 205	0.20	1.5	–	–	–	◪ 190	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 185	0.20	1.5	◪ 110	0.18	1.5	◪ 175	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 160	0.20	1.5	◪ 95	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría RF para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
DCMT 11T304E-RF	**T5315**	0.4	◪ 175	0.20	0.8	–	–	–	■ 165	0.20	0.8	–	–	–	–	–	–	◪ 35	0.15	1.0
	T7335	0.4	◪ 115	0.20	0.8	◪ 85	0.18	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 150	0.20	0.8	◪ 90	0.18	0.8	◪ 140	0.20	0.8	–	–	–	–	–	–	–	–	–
DCMT 11T308E-RF	**T5315**	0.8	◪ 205	0.20	0.8	–	–	–	■ 190	0.20	0.8	–	–	–	–	–	–	◪ 40	0.15	1.0
	T7335	0.8	◪ 140	0.20	0.8	◪ 105	0.18	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 175	0.20	0.8	◪ 105	0.18	0.8	◪ 165	0.20	0.8	–	–	–	–	–	–	–	–	–
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
DCMT 11T304E-RM	**T5305**	0.4	◪ 225	0.27	0.8	–	–	–	■ 210	0.27	0.8	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	0.4	◪ 205	0.27	0.8	–	–	–	■ 190	0.27	0.8	–	–	–	–	–	–	◪ 40	0.15	1.0
	T7335	0.4	◪ 135	0.27	0.8	■ 105	0.24	0.8	–	–	–	–	–	–	◪ 40	0.19	0.6	–	–	–
	T8330	0.4	■ 125	0.27	0.8	■ 75	0.24	0.8	■ 115	0.27	0.8	–	–	–	◪ 30	0.19	0.6	◪ 25	0.15	1.0
	T8430	0.4	■ 135	0.27	0.8	■ 75	0.24	0.8	◪ 110	0.27	0.8	–	–	–	◪ 25	0.19	0.6	◪ 20	0.15	1.0
	T9315	0.4	■ 185	0.27	0.8	–	–	–	◪ 175	0.27	0.8	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.4	■ 165	0.27	0.8	■ 95	0.24	0.8	◪ 155	0.27	0.8	–	–	–	◪ 35	0.19	0.6	–	–	–
DCMT 11T308E-RM	**T5305**	0.8	◪ 270	0.27	0.8	–	–	–	■ 255	0.27	0.8	–	–	–	–	–	–	◪ 50	0.15	1.0
	T5315	0.8	◪ 240	0.27	0.8	–	–	–	■ 225	0.27	0.8	–	–	–	–	–	–	◪ 45	0.15	1.0
	T7335	0.8	◪ 165	0.27	0.8	■ 125	0.24	0.8	–	–	–	–	–	–	◪ 50	0.19	0.6	–	–	–
	T8330	0.8	■ 150	0.27	0.8	■ 90	0.24	0.8	■ 140	0.27	0.8	–	–	–	◪ 35	0.19	0.6	◪ 30	0.15	1.0
	T8430	0.8	■ 165	0.27	0.8	■ 90	0.24	0.8	◪ 135	0.27	0.8	–	–	–	◪ 35	0.19	0.6	◪ 25	0.15	1.0
	T9315	0.8	■ 220	0.27	0.8	–	–	–	◪ 205	0.27	0.8	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.8	■ 200	0.27	0.8	■ 120	0.24	0.8	◪ 190	0.27	0.8	–	–	–	◪ 45	0.19	0.6	–	–	–
DCMT 11T312E-RM	**T7335**	1.2	◪ 165	0.27	1.2	■ 125	0.24	1.2	–	–	–	–	–	–	◪ 50	0.19	1.2	–	–	–
	T8330	1.2	■ 150	0.27	1.2	■ 90	0.24	1.2	■ 140	0.27	1.2	–	–	–	◪ 35	0.19	1.2	◪ 30	0.15	1.0
	T8430	1.2	■ 170	0.27	1.2	■ 90	0.24	1.2	◪ 135	0.27	1.2	–	–	–	◪ 35	0.19	1.2	◪ 25	0.15	1.0
	T9315	1.2	■ 225	0.27	1.2	–	–	–	◪ 210	0.27	1.2	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	1.2	■ 200	0.27	1.2	■ 120	0.24	1.2	◪ 190	0.27	1.2	–	–	–	◪ 45	0.19	1.2	–	–	–
DCMT 150408E-RM	**T8330**	0.8	■ 135	0.27	1.9	■ 80	0.24	1.9	■ 125	0.27	1.9	–	–	–	◪ 30	0.22	1.5	◪ 25	0.15	1.0
	T8430	0.8	■ 150	0.27	1.9	■ 80	0.24	1.9	◪ 125	0.27	1.9	–	–	–	◪ 30	0.22	1.5	◪ 25	0.15	1.0
	T9315	0.8	■ 200	0.27	1.9	–	–	–	◪ 190	0.27	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.8	■ 180	0.27	1.9	■ 105	0.24	1.9	◪ 170	0.27	1.9	–	–	–	◪ 40	0.22	1.5	–	–	–

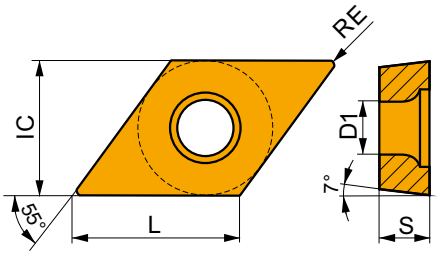
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
DCMT 070202E-UR	**T7325**	0.2	150	0.10	0.8	115	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	135	0.10	0.8	80	0.09	0.8	125	0.10	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	0.8	75	0.09	0.8	120	0.10	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	155	0.10	0.8	85	0.09	0.8	130	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.2	220	0.10	0.8	–	–	–	205	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	200	0.10	0.8	120	0.09	0.8	190	0.10	0.8	–	–	–	–	–	–	–	–	–
DCMT 070204E-UR	**T7325**	0.4	135	0.17	0.8	105	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	135	0.12	0.8	80	0.11	0.8	125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.4	130	0.12	0.8	75	0.11	0.8	120	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	155	0.12	0.8	85	0.11	0.8	130	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	220	0.12	0.8	–	–	–	205	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	165	0.18	0.8	95	0.16	0.8	155	0.18	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.4	210	0.12	0.8	125	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T302E-UR	**T7325**	0.2	150	0.10	0.8	115	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	0.8	75	0.09	0.8	120	0.10	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	155	0.10	0.8	85	0.09	0.8	130	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.2	220	0.10	0.8	–	–	–	205	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	200	0.10	0.8	120	0.09	0.8	190	0.10	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.2	210	0.10	0.8	125	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T304E-UR	**T5315**	0.4	220	0.12	0.8	–	–	–	205	0.12	0.8	–	–	–	–	–	–	–	–	–
	T7325	0.4	135	0.17	0.8	105	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	130	0.17	0.8	100	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	135	0.12	0.8	80	0.11	0.8	125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.4	130	0.12	0.8	75	0.11	0.8	120	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	155	0.12	0.8	85	0.11	0.8	130	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	220	0.12	0.8	–	–	–	205	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	165	0.18	0.8	95	0.16	0.8	155	0.18	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.4	210	0.12	0.8	125	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T308E-UR	**T5315**	0.8	230	0.17	0.8	–	–	–	215	0.17	0.8	–	–	–	–	–	–	–	–	–
	T7325	0.8	160	0.17	0.8	120	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	155	0.17	0.8	120	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	145	0.17	0.8	85	0.15	0.8	135	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.8	140	0.17	0.8	80	0.15	0.8	130	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	165	0.17	0.8	90	0.15	0.8	135	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	225	0.17	0.8	–	–	–	210	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	200	0.17	0.8	120	0.15	0.8	190	0.17	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.8	225	0.17	0.8	135	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
DCMT 11T312E-UR	**T9315**	1.2	205	0.22	1.2	–	–	–	190	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.22	1.2	105	0.20	1.2	170	0.22	1.2	–	–	–	–	–	–	–	–	–
																				
			Geometría Wiper W-FM para acabado y acabado fino con mayores avances y acabado superficial mejorado.																	
DCMX 11T304W-FM	**T7325**	0.4	130	0.30	0.8	100	0.27	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	115	0.30	0.8	65	0.27	0.8	105	0.30	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	130	0.30	0.8	70	0.27	0.8	105	0.30	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	170	0.30	0.8	–	–	–	160	0.30	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	155	0.30	0.8	90	0.27	0.8	145	0.30	0.8	–	–	–	–	–	–	–	–	–
DCMX 11T308W-FM	**T7325**	0.8	140	0.40	1.0	105	0.36	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.8	130	0.40	1.0	70	0.36	1.0	105	0.40	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	175	0.40	1.0	–	–	–	165	0.40	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	160	0.40	1.0	95	0.36	1.0	150	0.40	1.0	–	–	–	–	–	–	–	–	–

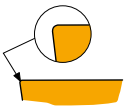
DCMW

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0702	6.350	2.80	7.80	2.38
11T3	9.525	4.40	11.60	3.97



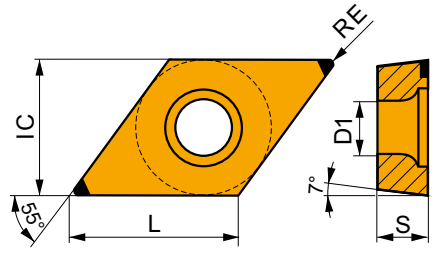
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
DCMW 070202	**T5305**	0.2	–	–	–	–	–	–	200	0.08	0.8	–	–	–	–	–	–	40	0.15	1.0
	T6310	0.2	–	–	–	–	–	–	80	0.08	0.8	–	–	–	–	–	–	20	0.15	1.0
DCMW 070204	**T5305**	0.4	–	–	–	–	–	–	195	0.10	0.8	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	175	0.10	0.8	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	85	0.10	0.8	–	–	–	–	–	–	20	0.15	1.0
DCMW 11T304	**T5305**	0.4	–	–	–	–	–	–	190	0.10	1.2	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	165	0.10	1.2	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	80	0.10	1.2	–	–	–	–	–	–	20	0.15	1.0
DCMW 11T308	**T5305**	0.8	–	–	–	–	–	–	185	0.18	1.2	–	–	–	–	–	–	35	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	160	0.18	1.2	–	–	–	–	–	–	30	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	80	0.18	1.2	–	–	–	–	–	–	20	0.15	1.0

DCGW CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
11T3	9.525	4.50	11.60	3.97

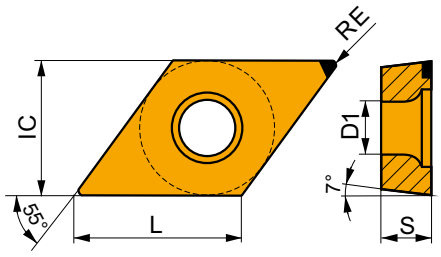


Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

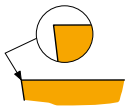
Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Para acabado.																	
DCGW 11T304S01020B	**TB310**	0.4	–	–	–	–	–	–	370	0.10	0.4	–	–	–	95	0.07	0.3	75	0.15	1.0
DCGW 11T308S01020B	**TB310**	0.8	–	–	–	–	–	–	380	0.15	0.6	–	–	–	100	0.11	0.5	80	0.15	1.0

DCMW PCD

	IC (mm)	D1 (mm)	L (mm)	S (mm)
11T3	9.525	4.40	11.60	3.97



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC F																	
			Para acabado con altas velocidades y condiciones estables.																	
DCMW 11T304FN	**PD1**	0.4	–	–	–	–	–	–	–	–	–	■ 1035	0.12	0.5	–	–	–	–	–	–
DCMW 11T308FN	**PD1**	0.8	–	–	–	–	–	–	–	–	–	■ 1200	0.12	1.0	–	–	–	–	–	–

SDJC(RL) EXT

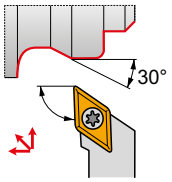
P M K N S H

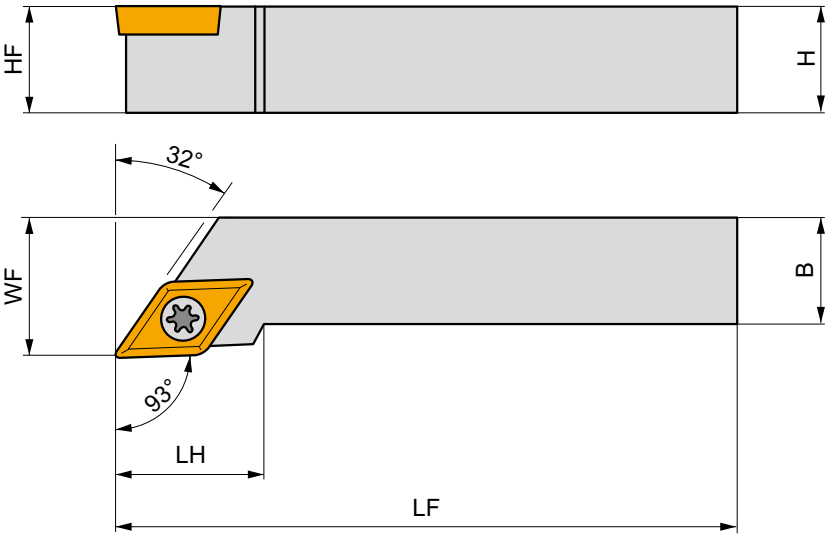
PRAMET

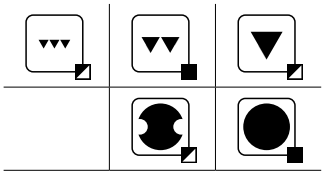
S

Portaherramientas de Exterior con Fijación por Tornillo, a 93°, para Plaquitas DC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y ángulo de posición de 93° para plaquitas positivas DC.. 07, 11 o 15. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado y achaflanado. Disponible con mangos de 08x08 hasta 25x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SDJCR 0808 D 07	8	8	8	10	60	14	0	0	0.06	GI052	S01
	SDJCR 1010 E 07	10	10	10	12	70	14	0	0	0.06	GI052	S01
	SDJCR 1212 F 07	12	12	12	16	80	14	0	0	0.11	GI052	S01
	SDJCR 1212 F 11	12	12	12	16	80	20	0	0	0.10	GI012	S08
	SDJCR 1616 H 11	16	16	16	20	100	20	0	0	0.22	GI012	S08
	SDJCR 2020 K 11-M-A	20	20	20	25	125	20	0	0	0.40	GI012	SD10
	SDJCR 2525 M 11-M-A	25	25	25	32	150	20	0	0	0.74	GI012	SD10
	SDJCR 2525 M 15	25	25	25	32	150	28	0	0	0.75	GI243	SD11
L	SDJCL 0808 D 07	8	8	8	10	60	14	0	0	0.04	GI052	S01
	SDJCL 1010 E 07	10	10	10	12	70	14	0	0	0.08	GI052	S01
	SDJCL 1212 F 07	12	12	12	16	80	14	0	0	0.12	GI052	S01
	SDJCL 1212 F 11	12	12	12	16	80	20	0	0	0.12	GI012	S08
	SDJCL 1616 H 11	16	16	16	20	100	20	0	0	0.20	GI012	S08
	SDJCL 2020 K 11-M-A	20	20	20	25	125	20	0	0	0.41	GI012	SD10
	SDJCL 2525 M 11-M-A	25	25	25	32	150	20	0	0	0.74	GI012	SD10
	SDJCL 2525 M 15	25	25	25	32	150	28	0	0	0.07	GI243	SD11

GI012	DC.. 11T3..
GI052	DC.. 0702..
GI243	DC.. 1504..

		Nm						
SD10	US 3510-T15P	3.0	M 3.5	10.6	SDN 110304	MS 3510	FLAG T15P	HXK 3.5
SD11	US 64518-T15P	5.0	M 4.5	18	SDN 150304	MS 4512	FLAG T15P	HXK 5
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

SDNCN EXT

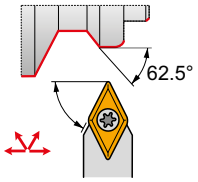
P M K N S H

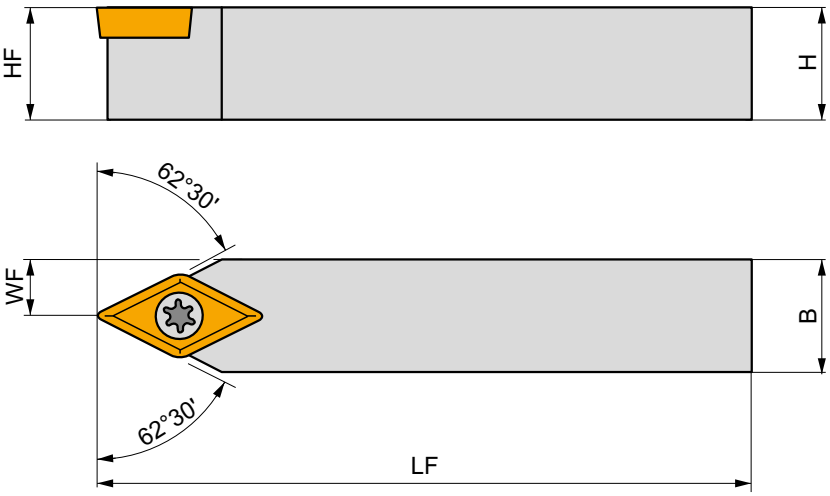
PRAMET

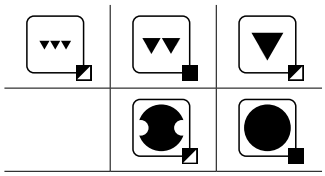
S

Portaherramientas de Exterior con Fijación por Tornillo, a 62,5°, para Plaquitas DC..

Portaherramientas de exterior neutro con fijación por tornillo y ángulo de posición de 62.5°para plaquitas positivas DC.. de 07 o 11. Adecuado para torneado longitudinal sin escuadra, copiado, torneado en cono y achaflanado. Disponible con mangos de 08x08 hasta 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
N	SDNCN 0808 D 07	8	8	8	4	60	0	0	0.06	GI052	S01
	SDNCN 1010 E 07	10	10	10	5	70	0	0	0.08	GI052	S01
	SDNCN 1212 F 07	12	12	12	6	80	0	0	0.12	GI052	S01
	SDNCN 1212 F 11	12	12	12	6	80	0	0	0.12	GI012	S08
	SDNCN 1616 H 11	16	16	16	8	100	0	0	0.18	GI012	S08
	SDNCN 2020 K 11-M-A	20	20	20	10	125	0	0	0.35	GI012	SD10
	SDNCN 2525 M 11-M-A	25	25	25	12.5	150	0	0	0.70	GI012	SD10

GI012	DC.. 11T3..
GI052	DC.. 0702..

		Nm						
SD10	US 3510-T15P	3.0	M 3.5	10.6	SDN 110304	MS 3510	FLAG T15P	HXK 3.5
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

NEW

C.-SDJC(RL) EXT

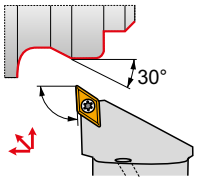
P M K N S H

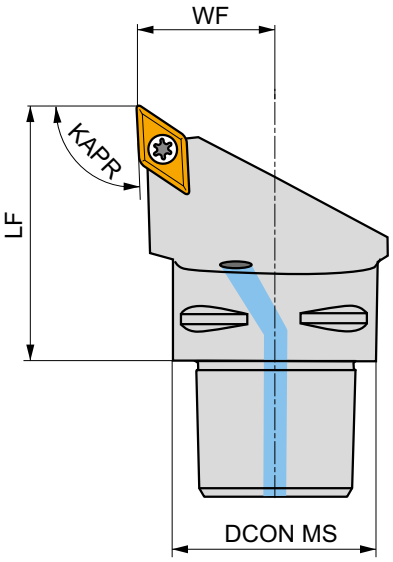
PRAMET

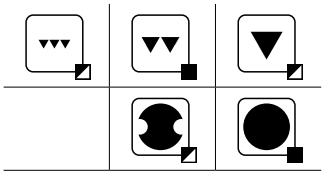
S

Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 93°, para Plaquitas DC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas DC.. 07, 11 o 15. Adecuado para torneado longitudinal con escuadra, en cono, en copia y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C5. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C3-SDJCR-22040-11	32	22	40	93	0	0	✓	0.21	GI012	C-SD11V-1
	C4-SDJCR-27050-11	40	27	50	93	0	0	✓	0.38	GI012	C-SD11V-1
	C5-SDJCR-35060-11	50	35	60	93	0	0	✓	0.69	GI012	C-SD11V-2
L	C3-SDJCL-22040-11	32	22	40	93	0	0	✓	0.21	GI012	C-SD11V-1
	C4-SDJCL-27050-11	40	27	50	93	0	0	✓	0.38	GI012	C-SD11V-1
	C5-SDJCL-35060-11	50	35	60	93	0	0	✓	0.70	GI012	C-SD11V-2

GI012	DC.. 11T3..

		Nm						
C-SD11V-1	US 2001-T15P	3.0	M 3.5	12.1	SDS 263-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SD11V-2	US 2001-T15P	3.0	M 3.5	12.1	SDS 263-01	MS 9001	FLAG T15P/3,5	CN 034-02

NEW

C.-SDNCN EXT

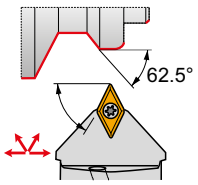
P M K N S H

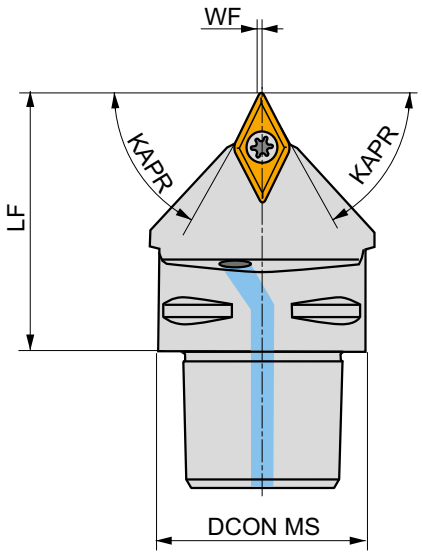
PRAMET

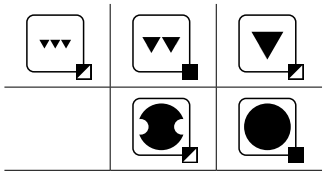
S

Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 62,5°, para Plaquitas DC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 62.5°para plaquitas positivas DC.. 11. Adecuado para torneado longitudinal sin escuadra, en cono, en copia y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 y C5. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
N	C4-SDNCN-00050-11	40	0.5	50	62.5	0	0	✓	0.35	GI012	C-SD11V-1
	C5-SDNCN-00060-11	50	0.5	60	62.5	0	0	✓	0.62	GI012	C-SD11V-2

GI012	DC.. 11T3..

		Nm						
C-SD11V-1	US 2001-T15P	3.0	M 3.5	12.1	SDS 263-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SD11V-2	US 2001-T15P	3.0	M 3.5	12.1	SDS 263-01	MS 9001	FLAG T15P/3,5	CN 034-02

SDQC(RL) INT

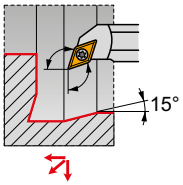
P M K N S H

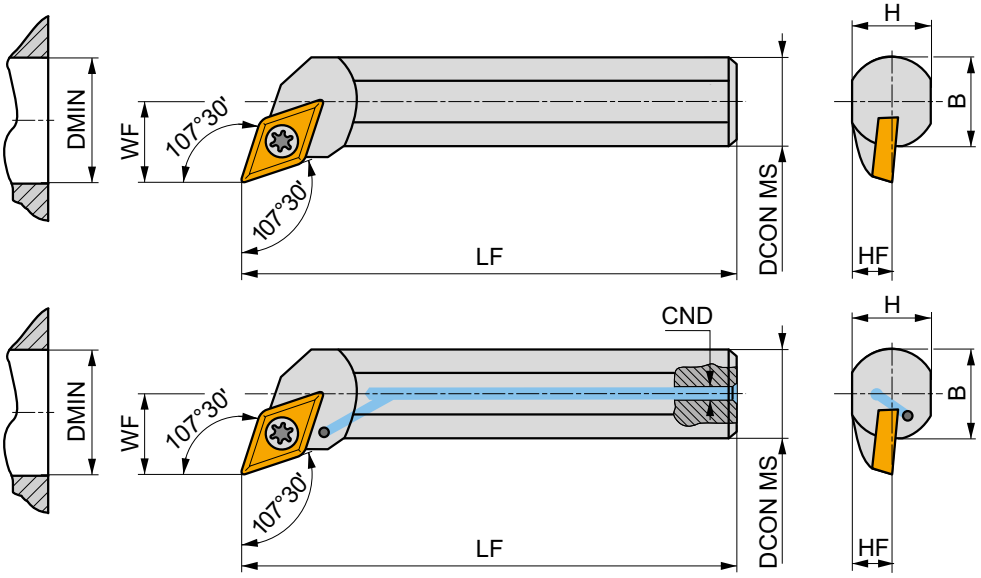
PRAMET

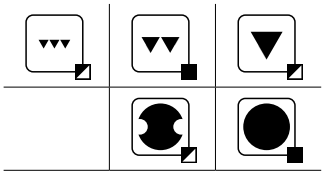
S

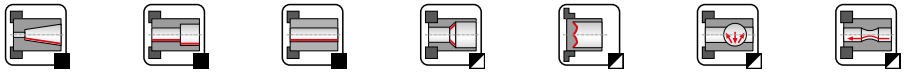
Portaherramientas de Interior con Fijación por Tornillo, a 107,5°, para Plaquitas DC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 107,5° para plaquitas positivas DC.. 07 o 11. Agujero mínimo de Ø13 mm. Para torneado interior longitudinal con escuadra, torneado en cono, copiado y achaflanado. Disponible con mangos de Ø10 a Ø32. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	CND (mm)	LAMS (°)	GAMO (°)		kg		
R	A10H-SDQCR 07	10	13	7	9	–	100	4	-10	0	✓	0.07	GI052	S02
	A12K-SDQCR 07	12	16	9	11	–	125	5	-7	0	✓	0.10	GI052	S02
	A16M-SDQCR 07	16	20	11	14.5	–	150	6	-7	0	✓	0.24	GI052	S01
	A20Q-SDQCR 11	20	25	13	18	–	180	8	-5	0	✓	0.40	GI012	S08
	S20S-SDQCR 11	20	25	13	18	18.5	250	–	-5	0	–	0.60	GI012	S08
	A25R-SDQCR 11	25	32	17	23	23	200	8	-3	0	✓	0.67	GI012	S08
	S25T-SDQCR 11	25	32	17	23	23	300	–	-3	0	–	1.09	GI012	S08
	A32S-SDQCR 11-A	32	40	22	30	30	250	8	-10	0	✓	1.25	GI012	SD10
	S32U-SDQCR 11-A	32	40	22	30	30	350	–	-10	0	–	2.10	GI012	SD10
L	A10H-SDQCL 07	10	13	7	9	–	100	4	-10	0	✓	0.06	GI052	S02
	A12K-SDQCL 07	12	16	9	11	–	125	5	-7	0	✓	0.11	GI052	S02
	A16M-SDQCL 07	16	20	11	14.5	–	150	6	-7	0	✓	0.24	GI052	S01
	A20Q-SDQCL 11	20	25	13	18	–	180	8	-5	0	✓	0.37	GI012	S08
	S20S-SDQCL 11	20	25	13	18	18.5	250	–	-5	0	–	0.63	GI012	S08
	A25R-SDQCL 11	25	32	17	23	23	200	8	-3	0	✓	0.64	GI012	S08
	S25T-SDQCL 11	25	32	17	23	23	300	–	-3	0	–	1.15	GI012	S08
	A32S-SDQCL 11-A	32	40	22	30	30	250	8	-10	0	✓	1.33	GI012	SD10
	S32U-SDQCL 11-A	32	40	22	30	30	350	–	-10	0	–	2.08	GI012	SD10

GI012	DC.. 11T3..
GI052	DC.. 0702..

		Nm						
SD10	US 3510-T15P	3.0	M 3.5	10.6	SDN 110304	MS 3510	FLAG T15P	HXK 3.5
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S02	US 2505-T07P	0.9	M 2.5	5.2	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

SDUC(RL) INT

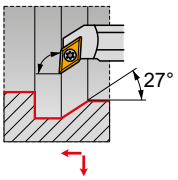
P M K N S H

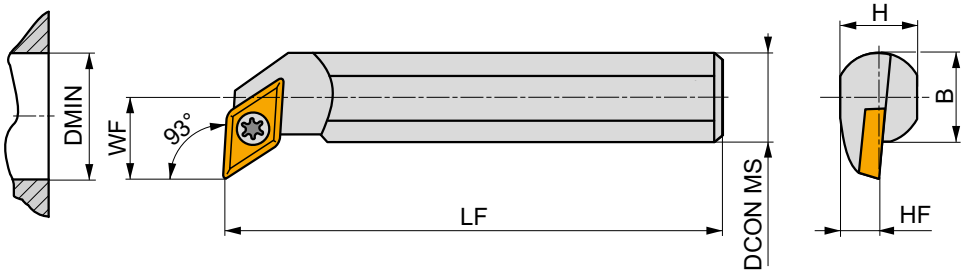
PRAMET

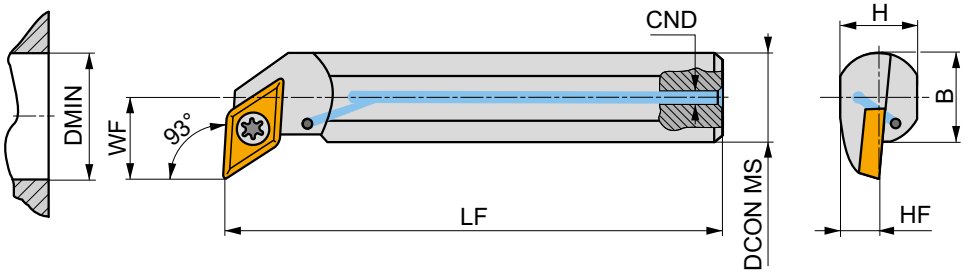
S

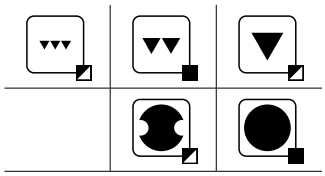
Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas DC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas DC.. 07 o 11. Agujero mínimo de Ø13 mm. Para torneado interior longitudinal con escuadra, torneado en cono, copiado y achaflanado. Disponible con mangos de Ø10 a Ø32. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	CND (mm)	LAMS (°)	GAMO (°)		kg		
R	A10H-SDUCR 07	10	13	7	9	–	100	4	-10	0	✓	0.05	GI052	S02
	A12K-SDUCR 07	12	16	9	11	–	125	5	-7	0	✓	0.12	GI052	S02
	A16M-SDUCR 07	16	20	11	14.5	–	150	6	-7	0	✓	0.22	GI052	S01
	A20Q-SDUCR 11	20	25	13	18	–	180	8	-3	0	✓	0.38	GI012	S08
	S20S-SDUCR 11	20	25	13	18	18.5	250	–	-5	0	–	0.60	GI012	S08
	A25R-SDUCR 11	25	32	17	23	23	200	8	-3	0	✓	0.60	GI012	S08
	S25T-SDUCR 11	25	32	17	23	23	300	–	-3	0	–	1.15	GI012	S08
	A32S-SDUCR 11-A	32	40	22	30	30	250	8	-10	0	✓	1.30	GI012	SD10
	S32U-SDUCR 11-A	32	40	22	30	30	350	–	-10	0	–	2.10	GI012	SD10
L	A10H-SDUCL 07	10	13	7	9	–	100	4	-10	0	✓	0.06	GI052	S02
	A12K-SDUCL 07	12	16	9	11	–	125	5	-7	0	✓	0.11	GI052	S02
	A16M-SDUCL 07	16	20	11	14.5	–	150	6	-7	0	✓	0.21	GI052	S01
	A20Q-SDUCL 11	20	25	13	18	–	180	8	-3	0	✓	0.38	GI012	S08
	S20S-SDUCL 11	20	25	13	18	18.5	250	–	-5	0	–	0.60	GI012	S08
	A25R-SDUCL 11	25	32	17	23	23	200	8	-3	0	✓	0.67	GI012	S08
	S25T-SDUCL 11	25	32	17	23	23	300	–	-3	0	–	1.15	GI012	S08
	A32S-SDUCL 11-A	32	40	22	30	30	250	8	-10	0	✓	1.35	GI012	SD10
	S32U-SDUCL 11-A	32	40	22	30	30	350	–	-10	0	–	2.09	GI012	SD10

GI012	DC.. 11T3..
GI052	DC.. 0702..

		Nm						
SD10	US 3510-T15P	3.0	M 3.5	10.6	SDN 110304	MS 3510	FLAG T15P	HXK 3.5
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S02	US 2505-T07P	0.9	M 2.5	5.2	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

SDUC(RL)-E INT

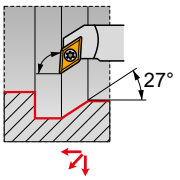
P M K N S H

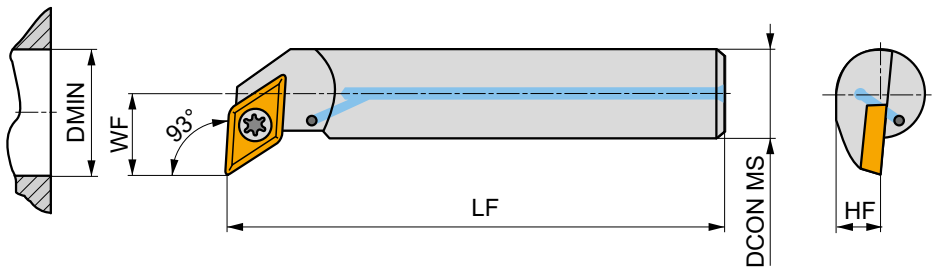
PRAMET

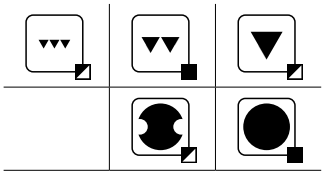
S

Portaherramientas de Interior de Metal Duro con Fijación por Tornillo, a 93°, para Plaquitas DC..

Portaherramientas de interior a derecha o izquierda de metal duro con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas DC.. 07. Agujero mínimo de Ø15 mm. Para torneado interior longitudinal con escuadra, en cono, copiado y achaflanado. Disponible con mangos de Ø10 hasta Ø16. Para voladizo > 3xD.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	HF (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	E10M-SDUCR 07-ER	10	15	9	5.6	150	-5	0	✓	0.14	GI052	SD21
	E12Q-SDUCR 07-ER	12	18	11	6.5	150	-5	0	✓	0.26	GI052	SD21
	E16R-SDUCR 07-ER	16	22	13	8.5	150	-5	0	✓	0.49	GI052	SD21
L	E10M-SDUCL 07-ER	10	15	9	5.6	150	-5	0	✓	0.15	GI052	SD21
	E12Q-SDUCL 07-ER	12	18	11	6.5	150	-5	0	✓	0.26	GI052	SD21
	E16R-SDUCL 07-ER	16	22	13	8.5	150	-5	0	✓	0.50	GI052	SD21

GI052	DC.. 0702..

SD21	5513 020-03	0.8	M 2.5	6.5	PT-8001

SDZC(RL) INT

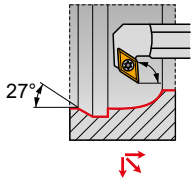
P M K N S H

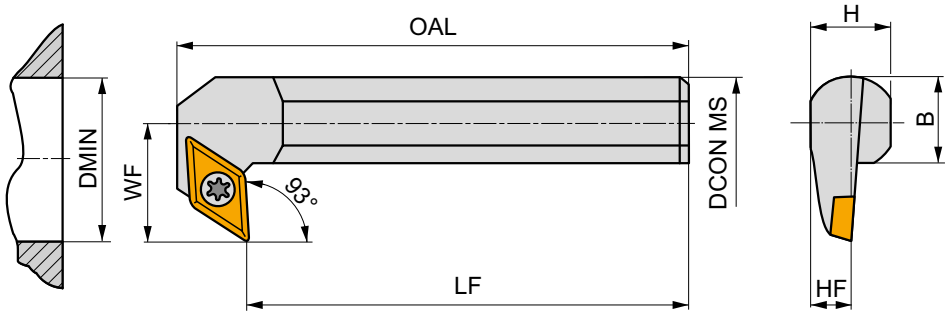
PRAMET

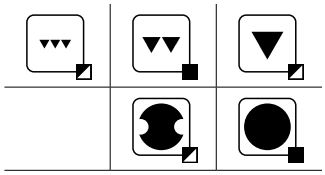
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas DC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 93° para plaquitas positivas DC.. 07 o 11. Agujero mínimo de Ø27 mm. Para torneado interior longitudinal con escuadra, torneado en cono, copiado y achaflanado. Disponible con mangos de Ø16 hasta Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	OAL (mm)	LAMS (°)	GAMO (°)	kg		
R	S16M-SDZCR 07-93	16	27	17	14.5	15	150	163	-4	0	0.26	GI052	S01
	S20Q-SDZCR 11-93	20	35	22	18	18.5	180	198	-5	0	0.50	GI012	S08
	S25R-SDZCR 11-93	25	42	27	23	23	200	218	-3	0	0.83	GI012	S08
	S32S-SDZCR 11-93-A	32	53	35	30	30	250	268	-6	0	1.64	GI012	SD10
	S40T-SDZCR 11-93-A	40	65	43	38	38	300	322	-5	0	3.00	GI012	SD10
L	S16M-SDZCL 07-93	16	27	17	14.5	15	150	163	-4	0	0.27	GI052	S01
	S20Q-SDZCL 11-93	20	35	22	18	18.5	180	198	-5	0	0.60	GI012	S08
	S25R-SDZCL 11-93	25	42	27	23	23	200	218	-3	0	0.80	GI012	S08
	S32S-SDZCL 11-93-A	32	53	35	30	30	250	268	-6	0	1.60	GI012	SD10
	S40T-SDZCL 11-93-A	40	65	43	38	38	300	322	-5	0	3.00	GI012	SD10

GI012	DC.. 11T3..
GI052	DC.. 0702..

		Nm						
SD10	US 3510-T15P	3.0	M 3.5	10.6	SDN 110304	MS 3510	FLAG T15P	HXK 3.5
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–

NEW

C.-SDUC(RL) INT

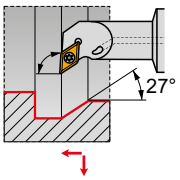
P M K N S H

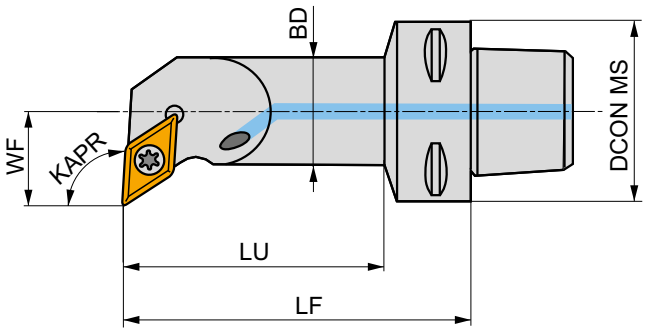
PRAMET

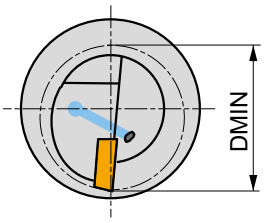
S

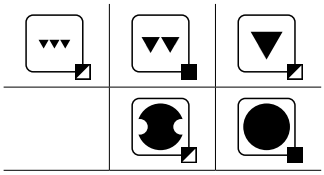
Herramienta de Interior PSC de Cambio Rápido con Fijación por Tornillo, a 93°, para Plaquitas DC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas DC.. 07 o 11. Agujero mínimo de Ø20 mm. Para una amplia gama de operaciones de torneado interior. Mango PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C5 con opciones de longitud. Cuerpo tratado para mayor vida útil.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C3-SDUCR-11065-07	50	20	11	65	48	16	93	-4.3	0	✓	0.20	GI052	SV11
	C4-SDUCR-11070-07	40	20	11	70	47	16	93	-4.3	0	✓	0.35	GI052	SV11
	C4-SDUCR-13080-11	40	25	13	80	57	20	93	-5.8	0	✓	0.41	GI012	SC09M
	C4-SDUCR-17090-11	40	32	17	90	68	25	93	-3.4	0	✓	0.49	GI012	SV16
	C5-SDUCR-13080-11	50	25	13	80	56	20	93	-5.8	0	✓	0.60	GI012	SC09M
	C5-SDUCR-17090-11	50	32	17	90	67	25	93	-3.4	0	✓	0.68	GI012	SV16
L	C4-SDUCL-11070-07	40	20	11	70	47	16	93	-4.3	0	✓	0.35	GI052	SV11
	C4-SDUCL-13080-11	40	25	13	80	57	20	93	-5.8	0	✓	0.41	GI012	SC09M
	C4-SDUCL-17090-11	40	32	17	90	68	25	93	-3.4	0	✓	0.49	GI012	SV16
	C5-SDUCL-13080-11	50	25	13	80	56	20	93	-5.8	0	✓	0.60	GI012	SC09M

GI012	DC.. 11T3..
GI052	DC.. 0702..

		Nm				
SC09M	US 2009-T15P	3.0	M 3.5	8.1	FLAG T15P/3,5	–
SV11	US 2003-T07P	0.8	M 2.5	6.5	–	FLAG T07P
SV16	US 2010-T15P	3.0	M 3.5	10.1	–	FLAG T15P/3,5

EC 06 / 08

PLAQUITAS DE METAL DURO

ECGT

104

ECMT

105

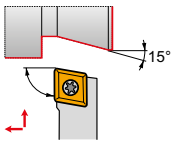
ECMW

106

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
ECMT **06**0204E-FM2	S08K-SEUCR **06**

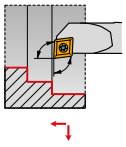
TORNEADO ISO - EXTERIOR

SEGC(RL) EXT

90°	EC..
	08
12×12 16×16	
107	104 – 106

TORNEADO ISO - INTERIOR

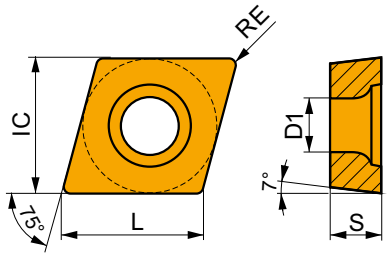
SEUC(RL) INT

93°	EC..
	06 08
11 32	
108	104 – 106

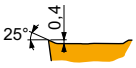
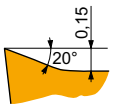
ECGT

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.50	2.38
0602-SF3	6.350	2.80	6.50	2.58
0803	7.940	3.40	8.20	3.18
0803-SF3	7.940	3.40	8.20	3.43



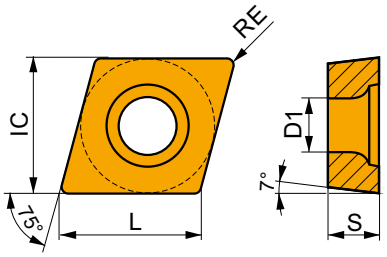
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría SF2 con diseño muy positivo para acabado fino con corte contínuo.																				
ECGT 060202E-SF2	**H07**	0.2	–	–	–	105	0.05	1.0	–	–	–	525	0.06	1.0	50	0.04	0.8	–	–	–
	T6310	0.2	185	0.05	1.0	130	0.05	1.0	–	–	–	555	0.06	1.0	55	0.04	0.8	–	–	–
ECGT 060204E-SF2	**H07**	0.4	–	–	–	85	0.09	1.0	–	–	–	430	0.12	1.0	40	0.07	0.8	–	–	–
	T6310	0.4	160	0.10	1.0	115	0.09	1.0	–	–	–	480	0.12	1.0	45	0.07	0.8	–	–	–
ECGT 080302E-SF2	**H07**	0.2	–	–	–	105	0.05	1.0	–	–	–	525	0.06	1.0	50	0.04	0.8	–	–	–
	T6310	0.2	185	0.05	1.0	130	0.05	1.0	–	–	–	555	0.06	1.0	55	0.04	0.8	–	–	–
ECGT 080304E-SF2	**H07**	0.4	–	–	–	85	0.09	1.0	–	–	–	430	0.12	1.0	40	0.07	0.8	–	–	–
	T6310	0.4	160	0.10	1.0	115	0.09	1.0	–	–	–	480	0.12	1.0	45	0.07	0.8	–	–	–
																				
Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																				
ECGT 060202E-SF3	**H07**	0.2	–	–	–	105	0.05	0.8	170	0.05	0.8	540	0.06	0.8	55	0.04	0.6	–	–	–
	T6310	0.2	185	0.05	0.8	130	0.05	0.8	145	0.05	0.8	555	0.06	0.8	55	0.04	0.6	35	0.15	1.0
ECGT 080304E-SF3	**H07**	0.4	–	–	–	85	0.09	1.0	135	0.10	1.0	430	0.12	1.0	40	0.07	0.8	–	–	–
	T6310	0.4	160	0.10	1.0	115	0.09	1.0	125	0.10	1.0	480	0.12	1.0	45	0.07	0.8	30	0.15	1.0

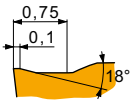
ECMT

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.50	2.38
0803	7.940	3.40	8.20	3.18



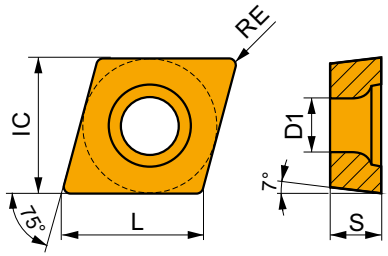
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			U S																	
Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																				
ECMT 060204E-FM2	**T7325**	0.4	180	0.12	0.8	140	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	155	0.12	0.8	90	0.11	0.8	145	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	205	0.12	0.8	110	0.11	0.8	170	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	290	0.12	0.8	–	–	–	275	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	255	0.12	0.8	150	0.11	0.8	240	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	220	0.12	0.8	130	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
ECMT 080304E-FM2	**T5315**	0.4	280	0.12	1.0	–	–	–	265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.4	170	0.12	1.0	130	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	150	0.12	1.0	90	0.11	1.0	140	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	205	0.12	1.0	110	0.11	1.0	170	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	280	0.12	1.0	–	–	–	265	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	255	0.12	1.0	150	0.11	1.0	240	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.4	215	0.12	1.0	125	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
ECMT 080308E-FM2	**T7325**	0.8	185	0.17	1.0	140	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	165	0.17	1.0	95	0.15	1.0	155	0.17	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	210	0.17	1.0	115	0.15	1.0	175	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	290	0.17	1.0	–	–	–	275	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.17	1.0	155	0.15	1.0	245	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	225	0.17	1.0	135	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–

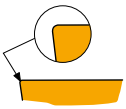
ECMW

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0602	6.350	2.80	6.50	2.38
0803	7.940	3.40	8.20	3.18



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
ECMW 060204	**H07**	0.4	–	–	–	–	–	–	■ 100	0.10	2.0	–	–	–	–	–	–	–	–	–
ECMW 080304	**H07**	0.4	–	–	–	–	–	–	■ 100	0.10	2.5	–	–	–	–	–	–	–	–	–
ECMW 080308	**H07**	0.8	–	–	–	–	–	–	■ 95	0.18	2.5	–	–	–	–	–	–	–	–	–

SEGC(RL) EXT

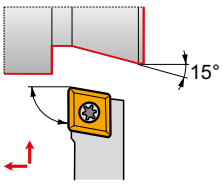
P M K N S H

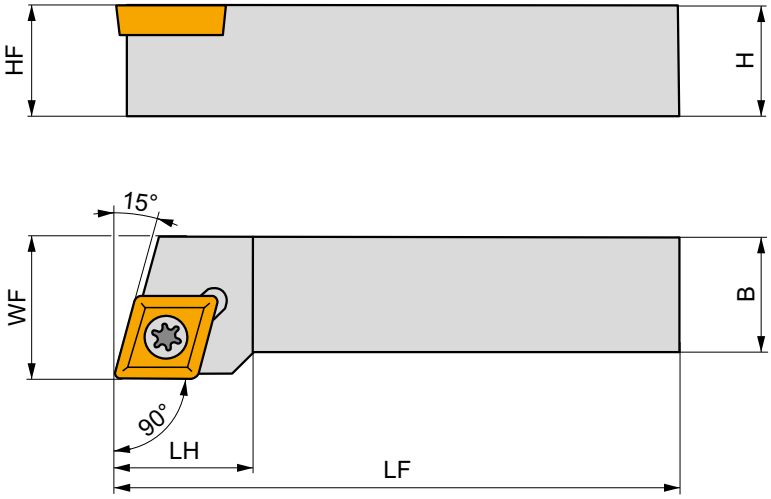
PRAMET

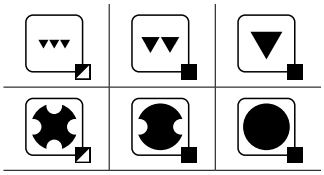
S

Portaherramientas de Exterior con Fijación por Tornillo, a 90°, para Plaquitas EC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y ángulo de posición de 90° para plaquitas positivas EC.. 08. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono y achaflanado. Disponible con mangos de 12x12 hasta 16x16. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SEGCR 1212 N 08	12	12	12	16	160	12	0	0	0.15	GI210	SE08
R	SEGCR 1616 H 08	16	16	16	20	100	12	0	0	0.22	GI210	SE08
L	SEGCL 1212 N 08	12	12	12	16	160	12	0	0	0.22	GI210	SE08
L	SEGCL 1616 H 08	16	16	16	20	100	12	0	0	2.14	GI210	SE08

GI210	EC.. 0803..

		Nm			
SE08	416.1-832	3.6	M 3	8.5	PT-8002

SEUC(RL) INT

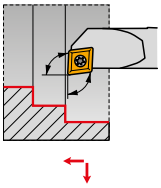
P M K N S H

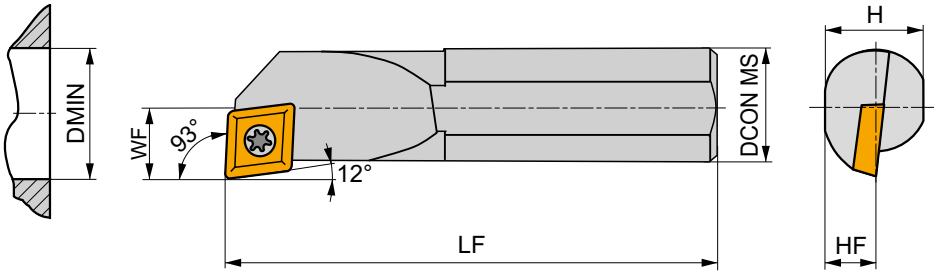
PRAMET

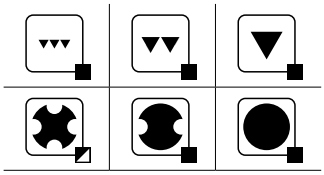
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas EC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 93° para plaquitas positivas EC.. 06 y 08. Agujero mínimo de Ø11 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø8 hasta Ø25. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	S08K-SEUCR 06	8	11	7	7	3.5	125	-5	0	0.06	GI213	SE23
	S10M-SEUCR 06	10	13	8	9	4.5	150	-5	0	0.10	GI213	SE23
	S12M-SEUCR 08	12	15	9	11	5.5	150	-5	0	0.14	GI210	SE24
	S16R-SEUCR 08	16	20	11	15	7.5	200	-5	0	0.32	GI210	SE24
	S20S-SEUCR 08	20	25	13	18	9	250	-5	0	0.58	GI210	SE24
	S25T-SEUCR 08	25	32	17	23	11.5	300	-4	0	1.06	GI210	SE24
L	S08K-SEUCL 06	8	11	7	7	3.5	125	-5	0	0.06	GI213	SE23
	S10M-SEUCL 06	10	13	8	9	4.5	150	-5	0	0.10	GI213	SE23
	S12M-SEUCL 08	12	15	9	11	5.5	150	-5	0	0.14	GI210	SE24
	S16R-SEUCL 08	16	20	11	15	7.5	200	-5	0	0.32	GI210	SE24
	S20S-SEUCL 08	20	25	13	18	9	250	-5	0	0.58	GI210	SE24

GI210	EC.. 0803..
GI213	EC.. 0602..

		Nm			
SE23	5513 020-03	0.8	M 2.5	6.5	PT-8001
SE24	416.1-832	3.6	M 3	8.5	PT-8003

EP 05

PLAQUITAS DE METAL DURO

EPGX

110

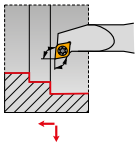
EPMT

110

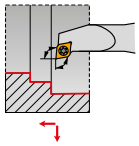
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
EPGX **05**0202FR-JZ	S0608H-SELPR **05**

TORNEADO ISO - INTERIOR

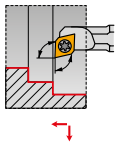
SELP(RL) INT

95°	EP..
	05
ØDmin 8 / 16	
111	110

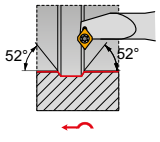
SELP(RL)-E INT

95°	EP..
	05
ØDmin 8 / 16	
112	110

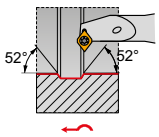
SEUP(RL) INT

93°	EP..
	05
ØDmin 8,3	
113	110

SEXP(RL) INT

52°30´	EP..
	05
ØDmin 9,5 / 16	
114	110

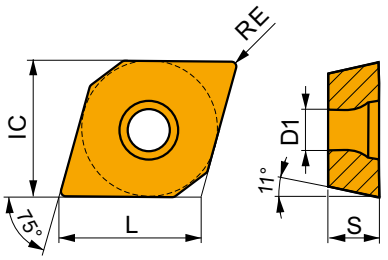
SEXP(RL)-E INT

52°30´	EP..
	05
ØDmin 9,5 / 16	
115	110

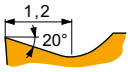
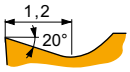
EPGX

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0502	5.560	2.50	5.70	2.38



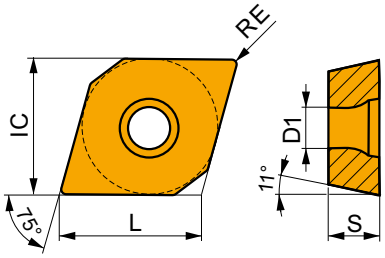
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			F																	
			Geometría FR-JZ con diseño positivo a derecha para operaciones de acabado fino con corte contínuo.																	
EPGX 050202FR-JZ	**TT010**	0.2	295	0.06	0.5	175	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			F																	
			Geometría FL-JZ con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																	
EPGX 050202FL-JZ	**TT010**	0.2	295	0.06	0.5	175	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–

EPMT

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0502	5.560	2.50	5.70	2.38



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			U E																	
			Geometría NF2 con diseño positivo para acabado fino a semi-desbaste con corte contínuo.																	
EPMT 050202E-NF2	**H07**	0.2	–	–	–	80	0.09	0.8	125	0.10	0.8	405	0.12	0.8	40	0.07	0.6	–	–	–
	T7325	0.2	215	0.07	0.8	165	0.06	0.8	–	–	–	–	–	–	65	0.06	0.6	–	–	–
	T7335	0.2	220	0.07	0.8	170	0.06	0.8	–	–	–	–	–	–	70	0.06	0.6	–	–	–
	T9315	0.2	390	0.05	0.8	–	–	–	370	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	305	0.07	0.8	180	0.06	0.8	285	0.07	0.8	–	–	–	65	0.06	0.6	–	–	–
	T9335	0.2	200	0.10	0.8	120	0.09	0.8	–	–	–	–	–	–	45	0.07	0.6	–	–	–
	TT010	0.2	345	0.05	0.5	205	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–

SELP(RL) INT

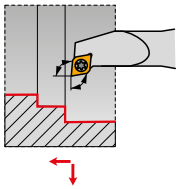
P M K N S H

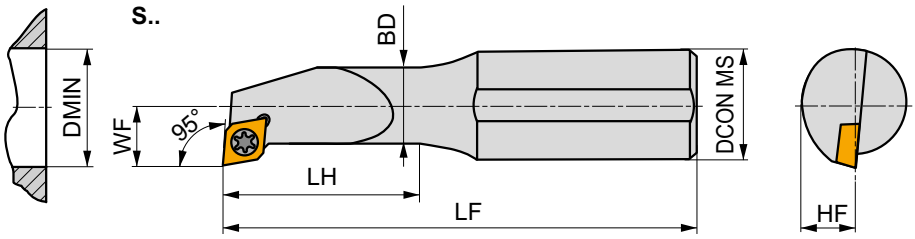
PRAMET

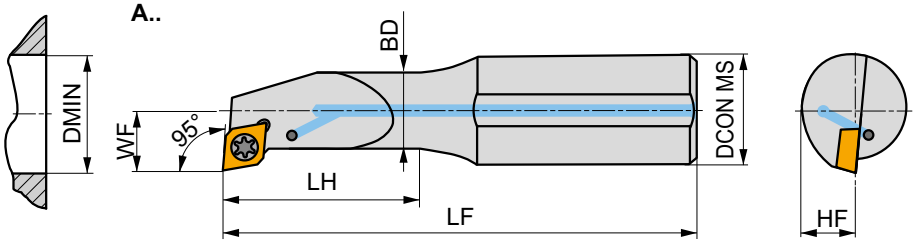
S

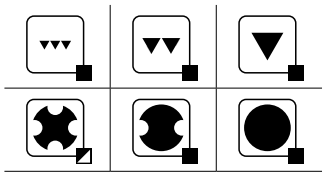
Portaherramientas de Interior con Fijación por Tornillo, a 95°, para Plaquitas EP..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna disponible y ángulo de posición de 95° para plaquitas positivas EP.. 0502. Agujero mínimo de Ø8 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø8 a Ø16. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	S0608H-SELPR 05	8	8	6	4.5	100	20	-10	0	–	0.04	GI212	SE21
	S0810J-SELPR 05	10	11	8	6	110	26	-5	0	–	0.06	GI212	SE22
	S1012K-SELPR 05	12	13	10	7	125	32	-5	0	–	0.11	GI212	SE22
	A1216M-SELPR 05	16	16	12	9	150	40	-2	0	✓	0.18	GI212	SE22
	S1216M-SELPR 05	16	16	12	9	150	40	-2	0	–	0.21	GI212	SE22
L	S0608H-SELPL 05	8	8	6	4.5	100	20	-10	0	–	0.04	GI212	SE21
	S0810J-SELPL 05	10	11	8	6	110	26	-5	0	–	0.06	GI212	SE22
	S1012K-SELPL 05	12	13	10	7	125	32	-5	0	–	0.11	GI212	SE22
	S1216M-SELPL 05	16	16	12	9	150	40	-2	0	–	0.21	GI212	SE22

GI212	EP.. 0502..

		Nm			
SE21	28992	0.8	M 2.2	4.2	MA2-8304
SE22	28588	0.8	M 2.2	5.6	MA2-8304

SELP(RL)-E INT

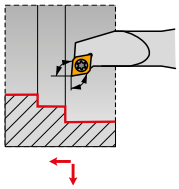
P M K N S H

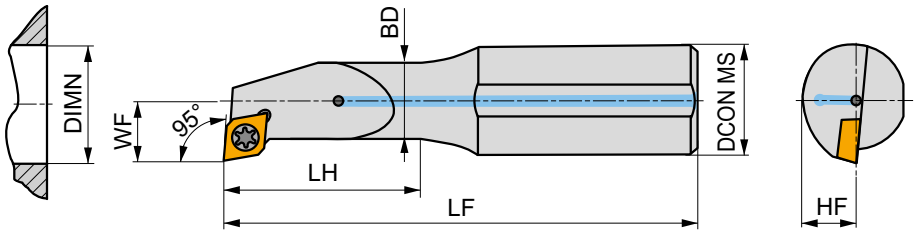
PRAMET

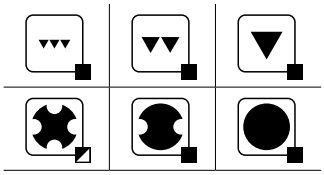
S

Portaherramientas de Interior de Metal Duro con Fijación por Tornillo, a 95°, para Plaquitas EP..

Portaherramientas de interior a derecha o izquierda de metal duro con fijación por tornillo, refrigeración interna y ángulo de posición de 95° para plaquitas positivas EP.. 0502. Agujero mínimo de Ø8 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø8 hasta Ø16. Para voladizo > 3xD.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	**E0608H-SELPR 05**	8	8	6	4.5	100	28	-10	0	✓	0.06	GI212	SE22
	E0810J-SELPR 05	10	11	8	6	110	36	-5	0	✓	0.10	GI212	SE22
	E1012K-SELPR 05	12	13	10	7	125	44	-5	0	✓	0.18	GI212	SE22
L	**E0608H-SELPL 05**	8	8	6	4.5	100	28	-10	0	✓	0.06	GI212	SE22
	E0810J-SELPL 05	10	11	8	6	110	36	-5	0	✓	0.10	GI212	SE22
	E1216M-SELPL 05	16	16	12	9	150	55	-2	0	✓	0.33	GI212	SE22

GI212	EP.. 0502..

		Nm			
SE22	28588	0.8	M 2.2	5.6	MA2-8304

SEUP(RL) INT

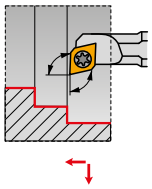
P M K N S H

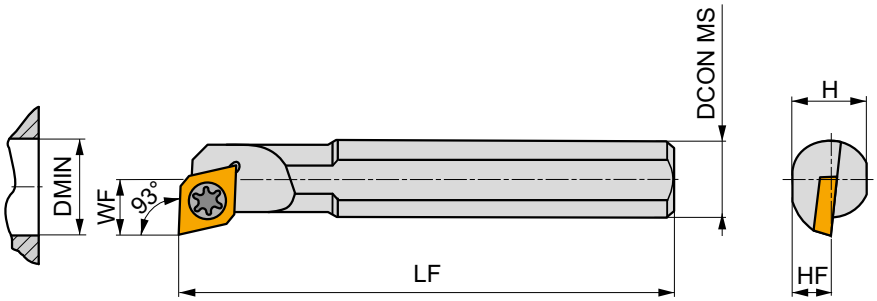
PRAMET

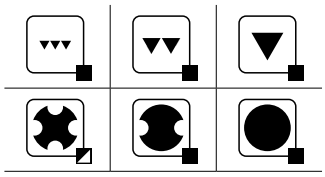
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas EP..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 93° para plaquitas positivas EP.. 0502. Agujero mínimo de Ø8,3 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mango de Ø6. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	S06H-SEUPR 05	6	8.3	5	5.4	2.7	100	-7	0	0.03	GI212	SE21
L	S06H-SEUPL 05	6	8.3	5	5.4	2.7	100	-7	0	0.03	GI212	SE21

GI212	EP.. 0502..

SE21	28992	0.8 Nm	M 2.2	4.2	MA2-8304

SEXP(RL) INT

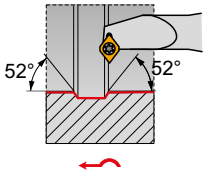
P M K N S H

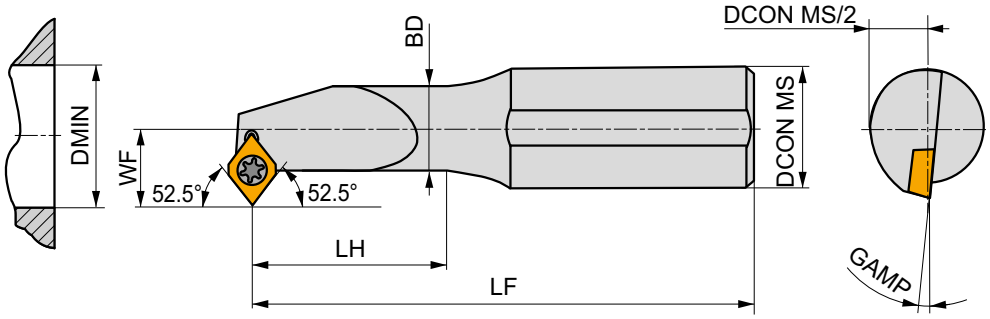
PRAMET

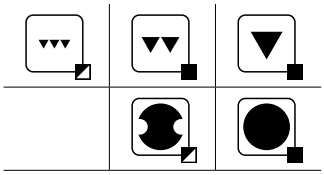
S

Portaherramientas de Interior con Fijación por Tornillo, a 52,5°, para Plaquitas EP..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 52,5° para plaquitas positivas EP.. 0502. Agujero mínimo de Ø9,5 mm. Para torneado interior longitudinal sin escuadra, multidireccional y achaflanado interior frontal y trasero. Disponible con mangos de Ø8 hasta Ø16. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	LF (mm)	LH (mm)	GAMP (°)	kg		
R	S0608H-SEXPR 05	8	9.5	6	5.5	100	20	-7	0.04	GI212	SE21
	S0810J-SEXPR 05	10	11	8	6	110	26	-5	0.06	GI212	SE22
	S1012K-SEXPR 05	12	13	10	7	125	32	-5	0.11	GI212	SE22
	S1216M-SEXPR 05	16	16	12	9	150	40	-2	0.21	GI212	SE22
L	S0608H-SEXPL 05	8	9.5	6	5.5	100	20	-7	0.04	GI212	SE21
	S0810J-SEXPL 05	10	11	8	6	110	26	-5	0.07	GI212	SE22
	S1012K-SEXPL 05	12	13	10	7	125	32	-5	0.11	GI212	SE22
	S1216M-SEXPL 05	16	16	12	9	150	40	-2	0.21	GI212	SE22

GI212	EP.. 0502..

		Nm			
SE21	28992	0.8	M 2.2	4.2	MA2-8304
SE22	28588	0.8	M 2.2	5.6	MA2-8304

SEXP(RL)-E INT

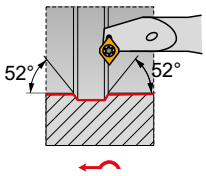
P M K N S H

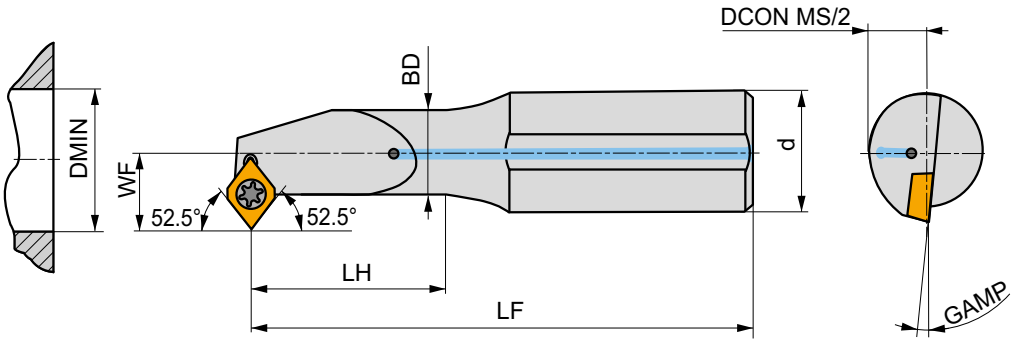
PRAMET

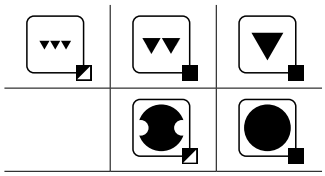
S

Portaherramientas de Interior de Metal Duro con Fijación por Tornillo, a 52,5°, para Plaquitas EP..

Portaherramientas de interior a derecha o izquierda de metal duro con fijación por tornillo, refrigeración interna y ángulo de posición de 52,5° para plaquitas positivas EP.. 0502. Agujero mínimo de Ø9,5 mm. Para torneado interior longitudinal sin escuadra, multidireccional y achaflanado interior frontal y trasero. Disponible con mangos de Ø8 hasta Ø16. Para voladizo > 3xD.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	LF (mm)	LH (mm)	GAMP (°)		kg		
R	**E0608H-SEXPR 05**	8	9.5	6	5.5	100	28	-7	✓	0.07	GI212	SE21
	E0810J-SEXPR 05	10	11	8	6	110	36	-5	✓	0.11	GI212	SE22
	E1012K-SEXPR 05	12	13	10	7	125	44	-5	✓	0.16	GI212	SE22
	E1216M-SEXPR 05	16	16	12	9	150	55	-2	✓	0.32	GI212	SE22
L	**E0608H-SEXPL 05**	8	9.5	6	5.5	100	28	-7	✓	0.06	GI212	SE21

GI212	EP.. 0502..

		Nm			
SE21	28992	0.8	M 2.2	4.2	MA2-8304
SE22	28588	0.8	M 2.2	5.6	MA2-8304

RC

06/ 08/ 12/ 16/ 20/ 25/ 32

PLAQUITAS DE METAL DURO

RCGT

118

RCMT

118

RCMW

120

RCMX

121

PLAQUITAS CER

RCGX CER

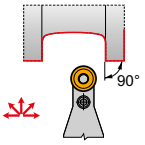
123

ENCONTRAR EL TAMANO CORRECTO (ejemplo)

Plaquita	Portaherramientas
RCMT 1204MOE-RM3	SRDCN 3225 P 12-M

TORNEADO ISO - EXTERIOR

PRDCN EXT

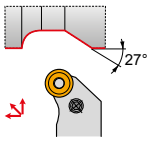


40×40 / 50×50

RC..: 20, 25, 32

124 | 118 – 123

PRSC(RL) EXT

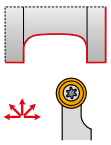


40×40

RC..: 16, 25

125 | 118 – 123

SRDC(RL) EXT

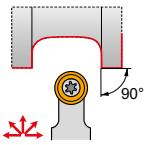


20×20 / 32×25

RC..: 08

126 | 118 – 123

SRDCN EXT

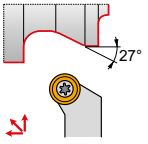


12×12 / 32×25

RC..: 06, 08, 10, 12, 16

127 | 118 – 123

SRSC(RL) EXT

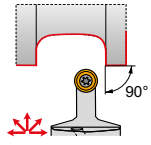


12×12 / 32×25

RC..: 06, 08, 10, 12, 16

128 | 118 – 123

C.-SRDCN EXT NEW



C4 / C5

RC..: 10, 12

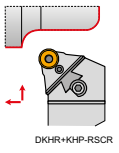
130 | 118 – 123

RC

06/ 08/ 12/ 16/ 20/ 25/ 32

TORNEADO ISO - DESBASTE PESADO - EXTERIOR

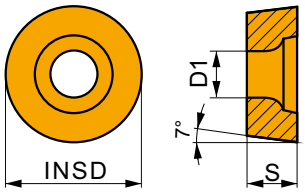
KHP-RSCR/L + DKH(RL)

	RC..
 DKHR+KHP-RSCR	20 25 32
■ 40×50 60×80	
131, 132	118 – 123

RCGT

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
0803	8.0	3.40	3.18
1003	10.0	4.40	3.18



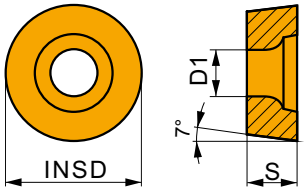
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.																	
RCGT 0803MOF-AL	**HF7**	–	–	–	–	–	–	–	–	–	–	■	285	1.20	1.0	–	–	–	–	–	–
	T0315	–	–	–	–	–	–	–	–	–	–	■	420	1.20	1.0	–	–	–	–	–	–
RCGT 1003MOF-AL	**HF7**	–	–	–	–	–	–	–	–	–	–	■	255	1.50	1.0	–	–	–	–	–	–
	T0315	–	–	–	–	–	–	–	–	–	–	■	390	1.50	1.0	–	–	–	–	–	–

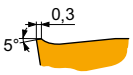
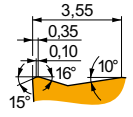
RCMT

PRAMET

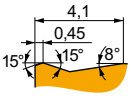
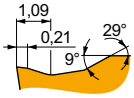
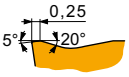
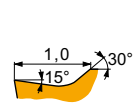
	INSD (mm)	D1 (mm)	S (mm)
0602	6.0	2.80	2.38
0803	8.0	3.40	3.18
10T3	10.0	4.40	3.97
1204	12.0	4.40	4.76
1606	16.0	5.50	6.35
2006	20.0	6.50	6.35
2507	25.0	8.60	7.94



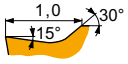
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría 37 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMT 1606MOS-37	**T9315**	–	■	165	0.60	3.0	–	–	–	◪	155	0.60	3.0	–	–	–	–	–	–	–	–	–
	T9325	–	■	145	0.60	3.0	–	–	–	◪	135	0.60	3.0	–	–	–	–	–	–	–	–	–
																				
			Geometría 371 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMT 2006MOS-371	**T9315**	–	■	145	0.80	3.0	–	–	–	◪	135	0.80	3.0	–	–	–	–	–	–	–	–	–
	T9325	–	■	125	0.80	3.0	–	–	–	◪	115	0.80	3.0	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría 372 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																				
RCMT 2507MOS-372	**T9325**	–	■ 90	0.80	3.0	–	–	–	◪ 85	0.80	3.0	–	–	–	–	–	–	–	–	–
																				
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
RCMT 0602MOE-FM	**T7325**	–	◪ 215	0.45	1.2	■ 165	0.41	1.2		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 190	0.45	1.2	■ 110	0.41	1.2	◪ 180	0.45	1.2	◪ 570	0.54	1.2	–	–	–	–	–	–
	T8430	–	■ 200	0.45	1.2	■ 110	0.41	1.2	◪ 165	0.45	1.2	◪ 555	0.54	1.2	–	–	–	–	–	–
	T9315	–	■ 260	0.45	1.2	–	–	–	◪ 245	0.45	1.2	–	–	–	–	–	–	–	–	–
	T9325	–	■ 235	0.45	1.2	■ 140	0.41	1.2	◪ 220	0.45	1.2	–	–	–	–	–	–	–	–	–
RCMT 0803MOE-FM	**T7325**	–	◪ 190	0.60	1.6	■ 145	0.54	1.6		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 170	0.60	1.6	■ 100	0.54	1.6	◪ 160	0.60	1.6	◪ 510	0.72	1.6	–	–	–	–	–	–
	T8430	–	■ 175	0.60	1.6	■ 95	0.54	1.6	◪ 140	0.60	1.6	◪ 480	0.72	1.6	–	–	–	–	–	–
	T9315	–	■ 225	0.60	1.6	–	–	–	◪ 210	0.60	1.6	–	–	–	–	–	–	–	–	–
	T9325	–	■ 200	0.60	1.6	■ 120	0.54	1.6	◪ 190	0.60	1.6	–	–	–	–	–	–	–	–	–
RCMT 10T3MOE-FM	**T7325**	–	◪ 185	0.65	1.7	■ 140	0.59	1.7		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 165	0.65	1.7	■ 95	0.59	1.7	◪ 155	0.65	1.7	◪ 495	0.78	1.7	–	–	–	–	–	–
	T8430	–	■ 170	0.65	1.7	■ 90	0.59	1.7	◪ 135	0.65	1.7	◪ 465	0.78	1.7	–	–	–	–	–	–
	T9315	–	■ 220	0.65	1.7	–	–	–	◪ 205	0.65	1.7	–	–	–	–	–	–	–	–	–
	T9325	–	■ 195	0.65	1.7	■ 115	0.59	1.7	◪ 185	0.65	1.7	–	–	–	–	–	–	–	–	–
RCMT 1204MOE-FM	**T7325**	–	◪ 175	0.70	1.8	■ 135	0.63	1.8		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 160	0.70	1.8	■ 95	0.63	1.8	◪ 150	0.70	1.8	◪ 480	0.84	1.8	–	–	–	–	–	–
	T8430	–	■ 155	0.70	1.8	■ 85	0.63	1.8	◪ 130	0.70	1.8	◪ 435	0.84	1.8	–	–	–	–	–	–
	T9315	–	■ 205	0.70	1.8	–	–	–	◪ 190	0.70	1.8	–	–	–	–	–	–	–	–	–
	T9325	–	■ 190	0.70	1.8	■ 110	0.63	1.8	◪ 180	0.70	1.8	–	–	–	–	–	–	–	–	–
																				
Geometría RM3 para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
RCMT 0803MOE-RM3	**T7325**	–	◪ 185	0.50	1.3	◪ 140	0.45	1.3		–	– –		–	– –		–	– –		–	– –
	T9315	–	■ 225	0.50	1.3	–	–	–	◪ 210	0.50	1.3	–	–	–	–	–	–	◪ 45	0.15	1.0
RCMT 1204MOE-RM3	**H07**	–	–	–	–	◪ 65	0.54	1.8	■ 105	0.60	1.8	–	–	–	–	–	–	–	–	–
	T7325	–	◪ 165	0.60	1.8	◪ 125	0.54	1.8		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 150	0.60	1.8	◪ 90	0.54	1.8	■ 140	0.60	1.8	–	–	–	–	–	–	◪ 30	0.15	1.0
	T8430	–	■ 150	0.60	1.8	◪ 80	0.54	1.8	◪ 125	0.60	1.8	–	–	–	–	–	–	◪ 25	0.15	1.0
	T9315	–	■ 205	0.60	1.8	–	–	–	◪ 190	0.60	1.8	–	–	–	–	–	–	◪ 40	0.15	1.0
RCMT 1606MOE-RM3	**T7325**	–	◪ 160	0.65	2.0	◪ 120	0.59	2.0		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 145	0.65	2.0	◪ 85	0.59	2.0	■ 135	0.65	2.0	–	–	–	–	–	–	◪ 25	0.15	1.0
	T8430	–	■ 145	0.65	2.0	◪ 80	0.59	2.0	◪ 120	0.65	2.0	–	–	–	–	–	–	◪ 25	0.15	1.0
	T9315	–	■ 195	0.65	2.0	–	–	–	◪ 185	0.65	2.0	–	–	–	–	–	–	◪ 35	0.15	1.0
RCMT 2507MOE-RM3	**H07**	–	–	–	–	◪ 60	0.54	3.0	■ 95	0.60	3.0	–	–	–	–	–	–	–	–	–
																				
Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
RCMT 0602MOE-UR	**T6310**	–	■ 170	0.40	1.2	◪ 120	0.36	1.2	■ 135	0.40	1.2	–	–	–	–	–	–	–	–	–
	T7325	–	◪ 190	0.40	1.2	◪ 145	0.36	1.2		–	– –		–	– –		–	– –		–	– –
	T8330	–	■ 170	0.40	1.2	◪ 100	0.36	1.2	■ 160	0.40	1.2	–	–	–	–	–	–	–	–	–
	T8430	–	■ 180	0.40	1.2	◪ 95	0.36	1.2	◪ 145	0.40	1.2	–	–	–	–	–	–	–	–	–
	T9315	–	■ 240	0.40	1.2	–	–	–	◪ 225	0.40	1.2	–	–	–	–	–	–	–	–	–
	T9325	–	■ 215	0.40	1.2	◪ 125	0.36	1.2	◪ 200	0.40	1.2	–	–	–	–	–	–	–	–	–

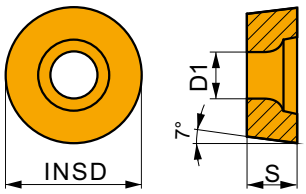
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
 Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
RCMT 0803M0E-UR	**T6310**	–	160	0.45	1.6	115	0.41	1.6	125	0.45	1.6	–	–	–	–	–	–	–	–	–
	T7325	–	180	0.45	1.6	140	0.41	1.6	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	–	160	0.45	1.6	95	0.41	1.6	150	0.45	1.6	–	–	–	–	–	–	–	–	–
	T8430	–	170	0.45	1.6	90	0.41	1.6	135	0.45	1.6	–	–	–	–	–	–	–	–	–
	T9315	–	220	0.45	1.6	–	–	–	205	0.45	1.6	–	–	–	–	–	–	–	–	–
	T9325	–	200	0.45	1.6	120	0.41	1.6	190	0.45	1.6	–	–	–	–	–	–	–	–	–
RCMT 10T3M0E-UR	**T6310**	–	160	0.50	1.4	115	0.45	1.4	125	0.50	1.4	–	–	–	–	–	–	–	–	–
	T7325	–	175	0.50	1.4	135	0.45	1.4	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	–	160	0.50	1.4	95	0.45	1.4	150	0.50	1.4	–	–	–	–	–	–	–	–	–
	T8430	–	165	0.50	1.4	90	0.45	1.4	135	0.50	1.4	–	–	–	–	–	–	–	–	–
	T9315	–	215	0.50	1.4	–	–	–	200	0.50	1.4	–	–	–	–	–	–	–	–	–
	T9325	–	190	0.50	1.4	110	0.45	1.4	180	0.50	1.4	–	–	–	–	–	–	–	–	–
RCMT 1204M0E-UR	**T6310**	–	150	0.55	1.8	105	0.50	1.8	120	0.55	1.8	–	–	–	–	–	–	–	–	–
	T7325	–	165	0.55	1.8	125	0.50	1.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	–	150	0.55	1.8	90	0.50	1.8	140	0.55	1.8	–	–	–	–	–	–	–	–	–
	T8430	–	145	0.55	1.8	80	0.50	1.8	120	0.55	1.8	–	–	–	–	–	–	–	–	–
	T9315	–	200	0.55	1.8	–	–	–	190	0.55	1.8	–	–	–	–	–	–	–	–	–
	T9325	–	180	0.55	1.8	105	0.50	1.8	170	0.55	1.8	–	–	–	–	–	–	–	–	–

RCMW

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
0602	6.0	2.80	2.38
0803	8.0	3.40	3.18
10T3	10.0	4.40	3.97
1204	12.0	4.40	4.76



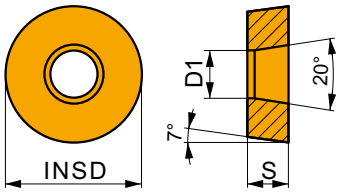
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
RCMW 0602M0	**T5305**	–	–	–	–	–	–	–	280	0.25	0.6	–	–	–	–	–	–	55	0.15	1.0
	T5315	–	–	–	–	–	–	–	250	0.25	0.6	–	–	–	–	–	–	50	0.15	1.0
RCMW 0803M0	**T5305**	–	–	–	–	–	–	–	255	0.30	0.8	–	–	–	–	–	–	50	0.15	1.0
	T5315	–	–	–	–	–	–	–	230	0.30	0.8	–	–	–	–	–	–	45	0.15	1.0
RCMW 10T3M0	**T5305**	–	–	–	–	–	–	–	225	0.40	1.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	–	–	–	–	–	–	–	200	0.40	1.0	–	–	–	–	–	–	40	0.15	1.0
RCMW 1204M0	**T5305**	–	–	–	–	–	–	–	205	0.45	1.2	–	–	–	–	–	–	40	0.15	1.0
	T5315	–	–	–	–	–	–	–	190	0.45	1.2	–	–	–	–	–	–	40	0.15	1.0

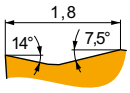
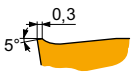
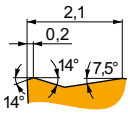
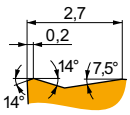
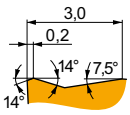
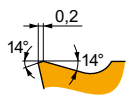
RCMX

PRAMET

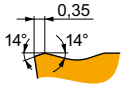
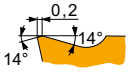
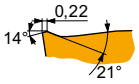
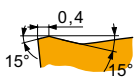
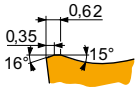
	INSD (mm)	D1 (mm)	S (mm)
1003	10.0	3.60	3.18
1204	12.0	4.20	4.76
1606	16.0	5.20	6.35
2006	20.0	6.50	6.35
2507	25.0	7.20	7.94
3209	32.0	9.50	9.53



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría 31 para acabado a semi-desbaste con corte contínuo a interrumpido.																	
RCMX 1003MOS-31	T9325	–	165	0.50	2.0	95	0.45	2.0	155	0.50	2.0	–	–	–	–	–	–	–	–	–
	T9335	–	140	0.50	2.0	80	0.45	2.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría 37 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMX 1606MOS-37	T9315	–	165	0.60	3.0	–	–	–	155	0.60	3.0	–	–	–	–	–	–	–	–	–
	T9325	–	145	0.60	3.0	–	–	–	135	0.60	3.0	–	–	–	–	–	–	–	–	–
																				
			Geometría 321 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMX 1204MOS-321	T9315	–	130	1.00	3.0	–	–	–	120	1.00	3.0	–	–	–	–	–	–	–	–	–
	T9325	–	120	1.00	3.0	–	–	–	110	1.00	3.0	–	–	–	–	–	–	–	–	–
	T9335	–	105	1.00	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría 331 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMX 1606MOS-331	T9315	–	120	1.20	3.5	–	–	–	110	1.20	3.5	–	–	–	–	–	–	–	–	–
	T9325	–	105	1.20	3.5	–	–	–	95	1.20	3.5	–	–	–	–	–	–	–	–	–
	T9335	–	110	0.80	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría 341 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMX 2006MOS-341	6640	–	90	1.00	3.5	–	–	–	85	1.00	3.5	–	–	–	–	–	–	–	–	–
																				
			Geometría 351 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																	
RCMX 2507MOS-351	6640	–	60	1.00	3.5	–	–	–	55	1.00	3.5	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			HFC S																	
			Geometria 361 para desbaste a desbaste pesado con corte continuo a muy interrumpido.																	
RCMX 3209M0S-361	**6640**	–	■ 50	1.40	4.5	–	–	–	■ 45	1.40	4.5	–	–	–	–	–	–	–	–	–
			HFC S																	
			Geometría RF1 para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
RCMX 2006M0-RF1	**T5305**	–	◪ 105	0.80	3.5	–	–	–	◪ 95	0.80	3.5	–	–	–	–	–	–	–	–	–
	T9310	–	■ 105	0.80	3.5	–	–	–	◪ 95	0.80	3.5	–	–	–	–	–	–	–	–	–
	T9315	–	■ 100	0.80	3.5	–	–	–	◪ 95	0.80	3.5	–	–	–	–	–	–	–	–	–
	T9325	–	■ 90	0.80	3.5	–	–	–	◪ 85	0.80	3.5	–	–	–	–	–	–	–	–	–
	T9335	–	■ 110	0.80	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMX 2507M0-RF1	**T8345**	–	■ 45	1.00	3.5	–	–	–	◪ 40	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9310	–	■ 95	1.00	3.5	–	–	–	◪ 90	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9315	–	■ 90	1.00	3.5	–	–	–	◪ 85	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9325	–	■ 80	1.00	3.5	–	–	–	◪ 75	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9335	–	■ 65	1.00	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			HFC S																	
			Geometría RM1 para acabado a desbaste, con corte contínuo a interrumpido.																	
RCMX 2006M0-RM1	**T9310**	–	■ 95	1.00	3.5	–	–	–	◪ 90	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9315	–	■ 90	1.00	3.5	–	–	–	◪ 85	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9325	–	■ 80	1.00	3.5	–	–	–	◪ 75	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9335	–	■ 125	0.60	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RCMX 2507M0-RM1	**T9310**	–	■ 95	1.00	3.5	–	–	–	◪ 90	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9315	–	■ 90	1.00	3.5	–	–	–	◪ 85	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9325	–	■ 80	1.00	3.5	–	–	–	◪ 75	1.00	3.5	–	–	–	–	–	–	–	–	–
	T9335	–	■ 80	0.60	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			HFC S																	
			Geometría RM2 para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
RCMX 2507M0-RM2	**T9310**	–	■ 90	1.10	3.5	–	–	–	◪ 85	1.10	3.5	–	–	–	–	–	–	–	–	–
	T9315	–	■ 85	1.10	3.5	–	–	–	◪ 80	1.10	3.5	–	–	–	–	–	–	–	–	–
	T9325	–	■ 75	1.10	3.5	–	–	–	◪ 70	1.10	3.5	–	–	–	–	–	–	–	–	–
RCMX 3209M0-RM2	**T5315**	–	◪ 95	1.00	4.5	–	–	–	◪ 90	1.00	4.5	–	–	–	–	–	–	–	–	–
	T9310	–	■ 90	1.00	4.5	–	–	–	◪ 85	1.00	4.5	–	–	–	–	–	–	–	–	–
	T9315	–	■ 85	1.00	4.5	–	–	–	◪ 80	1.00	4.5	–	–	–	–	–	–	–	–	–
	T9325	–	■ 75	1.00	4.5	–	–	–	◪ 70	1.00	4.5	–	–	–	–	–	–	–	–	–
	T9335	–	■ 55	1.40	4.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			HFC P																	
			Geometría RR2 para desbaste pesado con corte contínuo a interrumpido.																	
RCMX 3209M0-RR2	**T9315**	–	■ 60	1.40	4.5	–	–	–	◪ 55	1.40	4.5	–	–	–	–	–	–	◪ 10	0.15	1.0
	T9316	–	■ 60	1.40	4.5	–	–	–	◪ 55	1.40	4.5	–	–	–	–	–	–	–	–	–

RCGX CER

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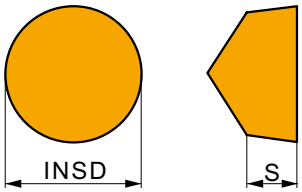
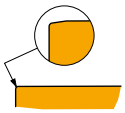
	INSD (mm)	S (mm)
0606	6.350	6.35
0907	9.525	7.94
1207	12.700	7.94



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Para mecanizado con altas velocidades y corte contínuo.																	
RCGX 060600 K15015	**TC100**	–	–	–	–	–	–	–	365	0.30	0.8	–	–	–	–	–	–	–	–	–
RCGX 090700 K15015	**TC100**	–	–	–	–	–	–	–	410	0.20	1.2	–	–	–	–	–	–	–	–	–
RCGX 120700 K15015	**TC100**	–	–	–	–	–	–	–	405	0.20	1.5	–	–	–	–	–	–	–	–	–

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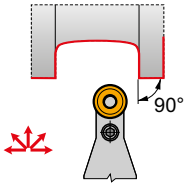
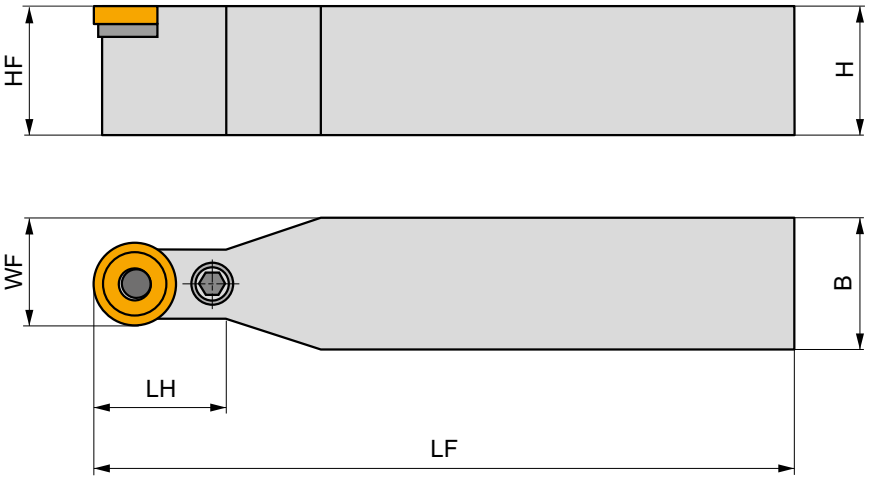
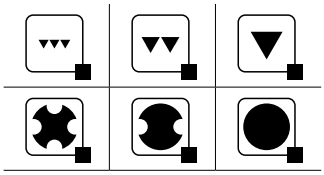
Portaherramientas de Exterior con Fijación por Palanca para Plaquitas Redondas RC..

Portaherramientas de exterior neutro con fijación por palanca para plaquitas positivas RC .. 16 a 32. Adecuado para torneado longitudinal sin escuadra, refrentado, copiado hasta 90º, torneado en cono y achaflanado. Disponible con mangos de 32x25 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
N	**PRDCN 3225 P 16**	32	25	32	20.5	170	32	0	0	0.80	GI090	PRP70
	PRDCN 3232 P 20	32	32	32	26	170	32	0	0	1.30	GI069	PRP90
	PRDCN 4040 S 20	40	40	40	30	250	40	0	0	3.10	GI069	PRP90
	PRDCN 4040 S 25	40	40	40	32.5	250	40	0	0	3.20	GI122	PRP80
	PRDCN 5050 S 32	50	50	50	41	250	50	0	0	3.50	GI096	PRP32
	PRDCN 5050 T 32	50	50	50	41	300	50	0	0	5.12	GI096	PRP32

GI069	RCMX 2006M0
GI090	RCMX 1606M0
GI096	RCMX 3209M0
GI122	RCMX 2507M0

				Nm					
PRP32	RCU 320600	PU 10	US 47	8.0	M 12x1	36	NT 08	MT 08	HXK 5
PRP70	RCU 160300	PU 07	US 36	6.0	M 8x1	26	NT 05	MT 05	HXK 4
PRP80	RCU 250600	PU 08	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PRP90	RCU 200400	PU 09	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4

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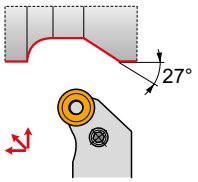
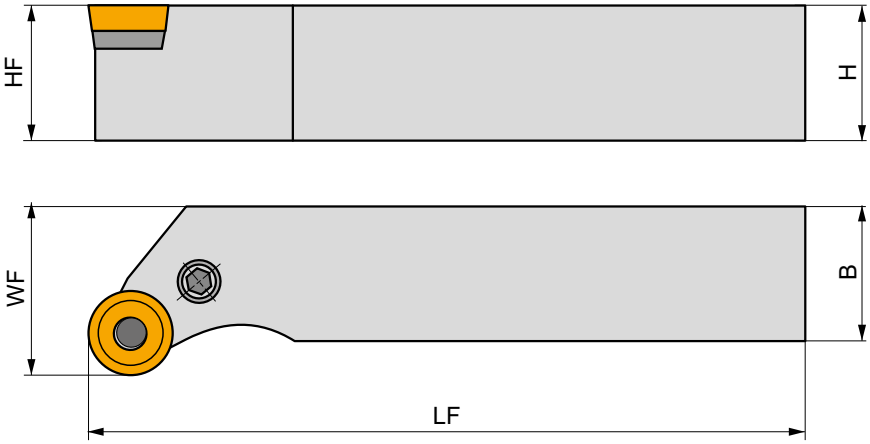
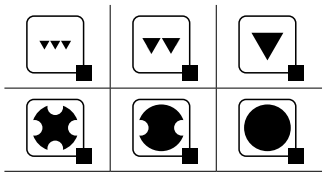
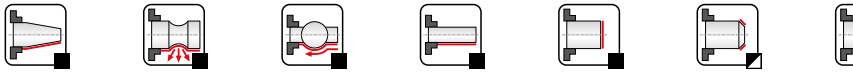
Portaherramientas de Exterior con Fijación por Palanca para Plaquitas Redondas RC..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca para plaquitas positivas RC.. 16 hasta 25. Adecuado para torneado y refrentado sin escuadra, copiado hasta 27°, torneado en cono y achaflanado, incluyendo copiado frontal. Disponible con mangos de 32x25 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	PRSCR 3225 P 16	32	25	32	32	170	0	0	0.90	GI090	PRP70
	PRSCR 4040 R 16	40	40	40	50	200	0	0	2.38	GI090	PRP70
	PRSCR 3232 P 20	32	32	32	40	170	0	0	1.40	GI069	PRP90
	PRSCR 4040 S 25	40	40	40	50	250	0	0	3.40	GI122	PRP80
L	PRSCL 3225 P 16	32	25	32	32	170	0	0	0.90	GI090	PRP70
	PRSCL 4040 R 16	40	40	40	50	200	0	0	2.38	GI090	PRP70
	PRSCL 3232 P 20	32	32	32	40	170	0	0	1.32	GI069	PRP90
	PRSCL 4040 S 25	40	40	40	50	250	0	0	3.40	GI122	PRP80

GI069	RCMX 2006M0
GI090	RCMX 1606M0
GI122	RCMX 2507M0

				Nm					
PRP70	RCU 160300	PU 07	US 36	6.0	M 8x1	26	NT 05	MT 05	HXK 4
PRP80	RCU 250600	PU 08	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PRP90	RCU 200400	PU 09	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4

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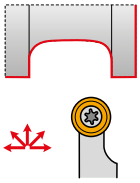
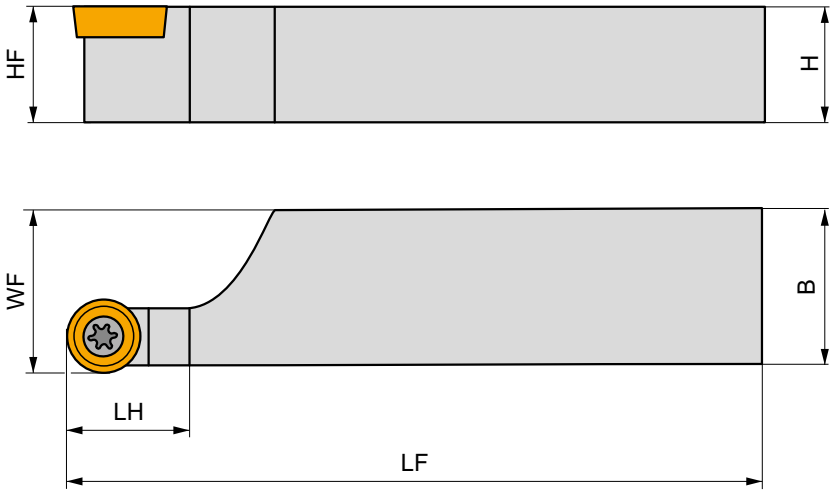
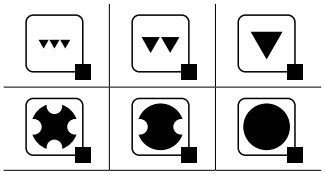
Portaherramientas de Exterior con Fijación por Tornillo para Plaquitas RC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas RC.. 08. Adecuado para torneado longitudinal y refrentado sin escuadra, torneado en cono y achaflanado. Disponible con mangos de 20x20 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SRDCR 2020 K 08-A	20	20	20	20.5	125	20	0	0	0.36	GI051	SR21
	SRDCR 2525 M 08-A	25	25	25	25.5	150	20	0	0	0.66	GI051	SR21
	SRDCR 3225 P 08-A	32	25	32	25.5	170	20	0	0	0.95	GI051	SR21
L	SRDCL 2020 K 08-A	20	20	20	20.5	125	20	0	0	0.37	GI051	SR21
	SRDCL 2525 M 08-A	25	25	25	25.5	150	20	0	0	0.66	GI051	SR21
	SRDCL 3225 P 08-A	32	25	32	25.5	170	20	0	0	0.96	GI051	SR21

GI051	RC.. 0803M0

		Nm			
SR21	5513 020-04	1.5	M 3	7.2	PT-8002

SRDCN EXT

P M K N S H

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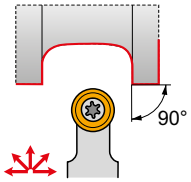
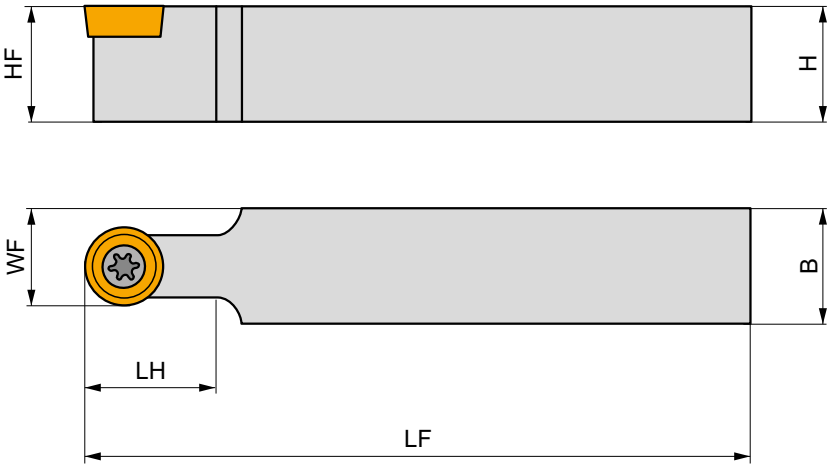
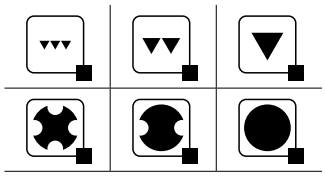
Portaherramientas de Exterior con Fijación por Tornillo para Plaquitas Redondas RC..

Portaherramientas de exterior neutro con fijación por tornillo para plaquitas positivas RC.. de 06 hasta 16. Adecuado para torneado longitudinal sin escuadra, refrentado, copiado, torneado en cono y achaflanado. Disponible con mangos de 12x12 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
N	SRDCN 1212 F 06	12	12	12	9	80	12	0	0	0.10	GI054	S01
	SRDCN 1616 H 06	16	16	16	11	100	12	0	0	0.20	GI054	S01
	SRDCN 2020 K 08	20	20	20	14	125	20	0	0	0.38	GI051	S03
	SRDCN 2020 K 1003-M-A	20	20	20	15	125	25	0	0	0.40	GI064	SR10
	SRDCN 2020 K 10-M-A	20	20	20	15	125	25	0	0	0.40	GI013	SR10
	SRDCN 2525 M 10-M-A	25	25	25	17.5	150	25	0	0	0.68	GI013	SR10
	SRDCN 2525 M 12-M-A	25	25	25	18.5	150	30	0	0	0.68	GI014	SR12
	SRDCN 3225 P 10-M	32	25	32	17.5	170	25	0	0	0.90	GI013	SR10
	SRDCN 3225 P 12-M	32	25	32	18.5	170	30	0	0	0.90	GI014	SR12
	SRDCN 3225 P 16-M	32	25	32	20.5	170	32	0	0	1.00	GI161	SR16

GI013	RC.. 10T3M0
GI014	RC.. 1204M0
GI051	RC.. 0803M0
GI054	RC.. 0602M0
GI064	RC.. 1003M0
GI161	RC.. 1606M0

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S03	US 3007-T09P	2.0	M 3	7.3	–	–	FLAG T09P	–
SR10	US 3510-T15P	3.0	M 3.5	10.6	SRN 100300	MS 3510	FLAG T15P	HXK 3.5
SR12	US 3510-T15P	3.0	M 3.5	10.6	SRN 120300	MS 3510	FLAG T15P	HXK 3.5
SR16	US 5018-T20P	5.0	M 5	18.2	SRN 16T3M0	MS 5015	FLAG T20P	HXK 5

SRSC(RL) EXT

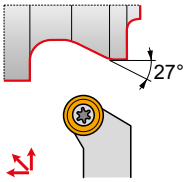
P M K N S H

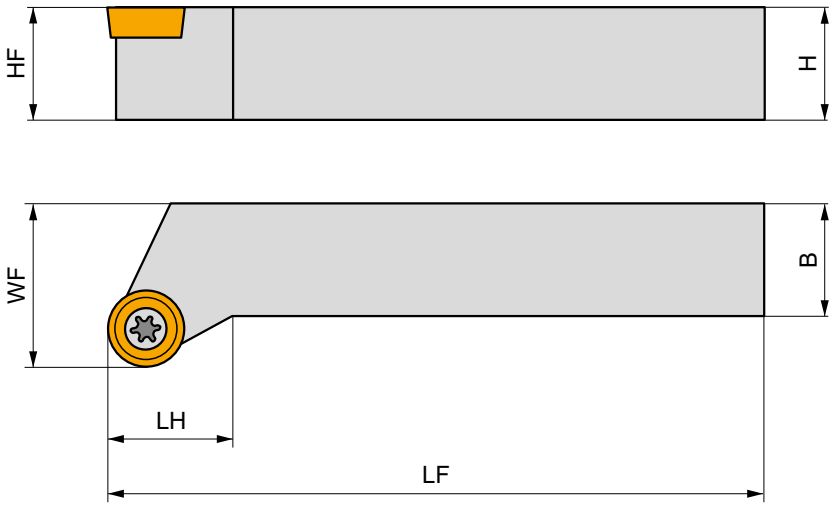
PRAMET

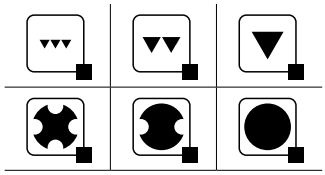
S

Portaherramientas de Exterior con Fijación por Tornillo para Plaquitas RC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas RC.. 06 hasta 16. Adecuado para torneado longitudinal y refrentado sin escuadra, torneado en cono, copiado y achaflanado. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SRSCR 1212 F 06	12	12	12	16	80	12	0	0	0.09	GI054	S01
	SRSCR 1616 H 06	16	16	16	20	100	12	0	0	0.22	GI054	S01
	SRSCR 2020 K 08	20	20	20	25	125	20	0	0	0.45	GI051	S03
	SRSCR 2020 K 10-M-A	20	20	20	25	125	20	0	0	0.45	GI013	SR10
	SRSCR 2525 M 10-M-A	25	25	25	32	150	20	0	0	0.75	GI013	SR10
	SRSCR 3225 P 10-M	32	25	32	32	170	20	0	0	1.06	GI013	SR10
	SRSCR 2525 M 12-M-A	25	25	25	32	150	20	0	0	0.75	GI014	SR12
	SRSCR 3225 P 12-M	32	25	32	32	170	20	0	0	1.07	GI014	SR12
	SRSCR 3225 P 16-M	32	25	32	32	170	20	0	0	1.10	GI161	SR16
L	SRSCL 1212 F 06	12	12	12	16	80	12	0	0	0.10	GI054	S01
	SRSCL 1616 H 06	16	16	16	20	100	12	0	0	0.22	GI054	S01
	SRSCL 2020 K 08	20	20	20	25	125	20	0	0	0.45	GI051	S03
	SRSCL 2020 K 10-M-A	20	20	20	25	125	20	0	0	0.45	GI013	SR10
	SRSCL 2525 M 10-M-A	25	25	25	32	150	20	0	0	0.75	GI013	SR10
	SRSCL 3225 P 10-M	32	25	32	32	170	20	0	0	1.06	GI013	SR10
	SRSCL 2525 M 12-M-A	25	25	25	32	150	20	0	0	0.75	GI014	SR12
	SRSCL 3225 P 12-M	32	25	32	32	170	20	0	0	1.07	GI014	SR12
	SRSCL 3225 P 16-M	32	25	32	32	170	20	0	0	1.10	GI161	SR16

GI013	RC.. 10T3M0
GI014	RC.. 1204M0
GI051	RC.. 0803M0
GI054	RC.. 0602M0
GI161	RC.. 1606M0

S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S03	US 3007-T09P	2.0	M 3	7.3	–	–	FLAG T09P	–
SR10	US 3510-T15P	3.0	M 3.5	10.6	SRN 100300	MS 3510	FLAG T15P	HXK 3.5
SR12	US 3510-T15P	3.0	M 3.5	10.6	SRN 120300	MS 3510	FLAG T15P	HXK 3.5
SR16	US 5018-T20P	5.0	M 5	18.2	SRN 16T3M0	MS 5015	FLAG T20P	HXK 5

NEW

C.-SRDCN EXT

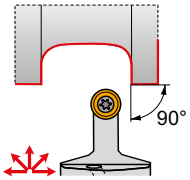
P M K N S H

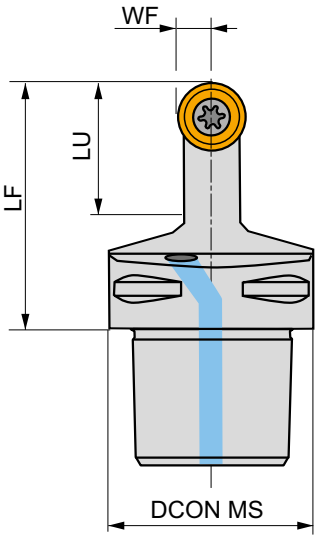
PRAMET

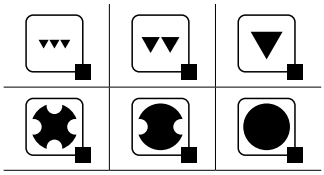
S

Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo para Plaquitas Redondas RC..

Portaherramientas de exterior neutro con refrigeración interna y fijación por tornillo para plaquitas positivas RC.. de 10 y 12. Adecuado para torneado longitudinal sin escuadra, refrentado, copiado, torneado en cono y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 y C5. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	WF (mm)	LF (mm)	LU (mm)	LAMS (°)	GAMO (°)		kg		
N	C4-SRDCN-00050-12A	40	6	50	28	0	0	✓	0.32	GI014	C-SR12V-1
	C5-SRDCN-00060-10A	50	5	60	25	0	0	✓	0.56	GI013	C-SR10V
	C5-SRDCN-00060-12A	50	6	60	28	0	0	✓	0.56	GI014	C-SR12V-2

GI013	RC.. 10T3M0
GI014	RC.. 1204M0

		Nm						
C-SR10V	US 2010-T15P	3.0	M 3.5	10.1	SRS 110-01	MS 9001	FLAG T15P/3,5	CN 034-02
C-SR12V-1	US 2001-T15P	3.0	M 3.5	12.1	SRS 110-02	MS 9001	FLAG T15P/3,5	CN 034-01
C-SR12V-2	US 2001-T15P	3.0	M 3.5	12.1	SRS 110-02	MS 9001	FLAG T15P/3,5	CN 034-02

KHP-RSC(RL)

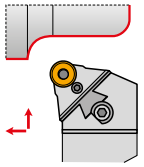
P M K

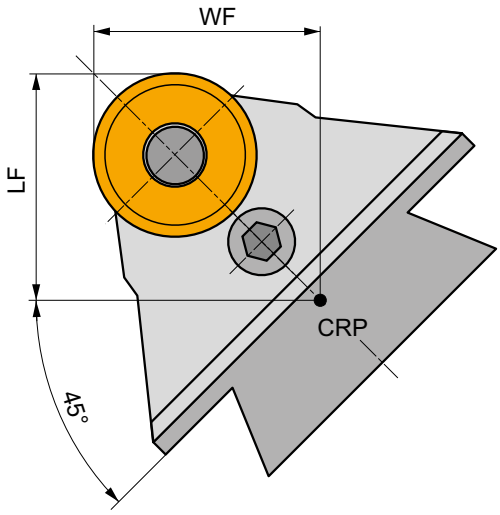
PRAMET

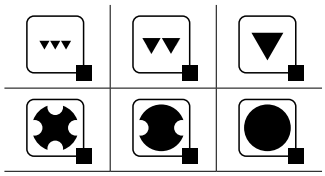
P

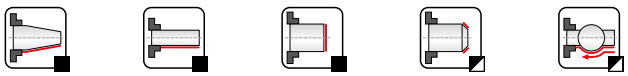
Cartucho para Torneado Pesado KHP, Fijación por Palanca para Plaquita RC..

Cartucho para torneado pesado con fijación por palanca a derecha o izquierda, para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado longitudinal sin escuadra, refrentado, torneado cónico y achaflanado con plaquitas RC .. 20 hasta 32. Portaherramientas tratado para una vida útil más larga.









	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	KHP-RSCR 20	35	45	0	0	1.25	GI069	PRP90
	KHP-RSCR 25	35	45	0	0	1.30	GI122	PRP80
	KHP-RSCR 32	35	45	0	0	1.30	GI096	PRP32
	KHP-RSCL 20	35	45	0	0	1.30	GI069	PRP90
	KHP-RSCL 25	35	45	0	0	1.30	GI122	PRP80
	KHP-RSCL 32	35	45	0	0	1.30	GI096	PRP32

GI069	RCMX 2006M0
GI096	RCMX 3209M0
GI122	RCMX 2507M0

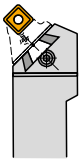
				Nm					
PRP32	RCU 320600	PU 10	US 47	8.0	M 12x1	36	NT 08	MT 08	HXK 5
PRP80	RCU 250600	PU 08	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PRP90	RCU 200400	PU 09	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4

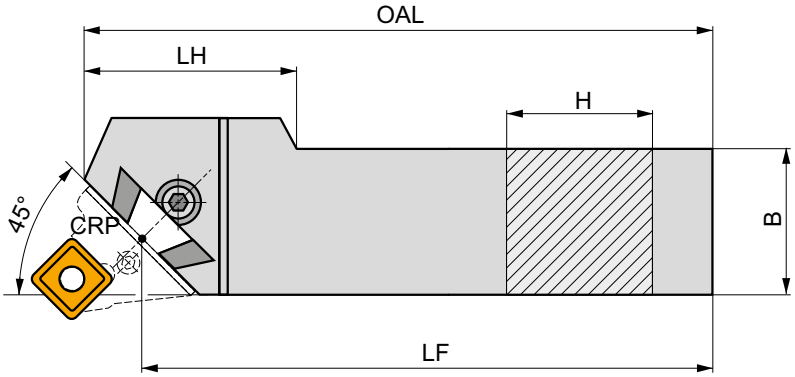
DKH(RL)

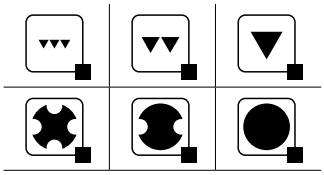
PRAMET

Portaherramientas de Exterior para Cartuchos de Torneado Pesado KHP/KHS

Portaherramientas modular a derecha o izquierda, para montaje con cola de milano de cartuchos KHP/KHS. Disponibles con mangos desde tamaño 40x50 hasta 60x80. Portaherramientas tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	LF (mm)	OAL (mm)	LH (mm)	kg		
R	**DKHR 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHR 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHR 6080 W-A	60	80	450	485	90	19.65	GI098	DKH10
L	**DKHL 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHL 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHL 6080 W-A	60	80	450	485	90	19.28	GI098	DKH10

GI098	KHP	KHS

DKH10	SR 14	HXK 10

SC

09/ 12/ 25/ 38

PLAQUITAS DE METAL DURO

SCGT

134

SCMT

135

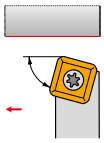
SCMW

138

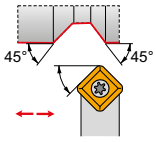
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
SCMT **12**0408E-RM	SSDCN 2020 K **12**-**M**-A

TORNEADO ISO - EXTERIOR

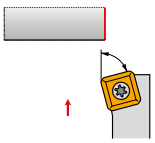
SSBC(RL) EXT

75°	SC..
	09 12 25 38
12×12 60×60	
139	134 – 138

SSDCN EXT

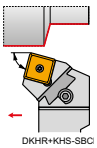
45°	SC..
	09 12
12×12 25×25	
140	134 – 138

SSKC(RL) EXT

75°	SC..
	09 12
12×12 25×25	
141	134 – 138

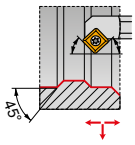
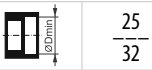
TORNEADO ISO - DESBASTE PESADO - EXTERIOR

KHS-SBCR + DKH(RL)

75°	SC..
	25 38
40×50 60×80	
142, 143	134 – 138

TORNEADO ISO - INTERIOR

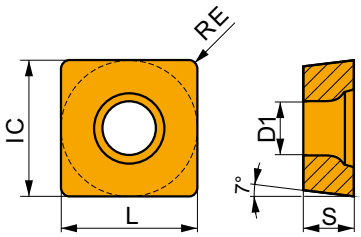
SSSC(RL) INT

45°	SC..
	09
 25 32	
144	134 – 138

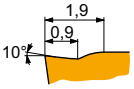
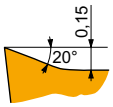
SCGT

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
09T3	9.525	4.40	9.53	3.97
09T3-SF3	9.525	4.40	9.53	4.22
1204	12.700	5.50	12.70	4.76



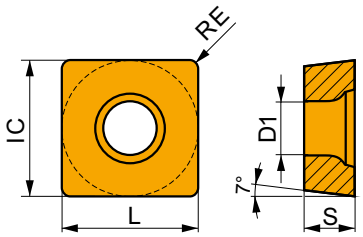
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			F																	
Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.																				
SCGT 120408F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 315	0.48	2.0	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	■ 465	0.48	2.0	–	–	–	–	–	–
			E																	
Geometría NF1 con diseño positivo para acabado fino a mecanizado medio con corte contínuo.																				
SCGT 09T308E-NF1	**H07**	0.8	–	–	–	◪ 100	0.13	1.2	–	–	–	◪ 510	0.17	1.2	■ 50	0.13	1.0	–	–	–
	T6310	0.8	■ 200	0.14	1.2	■ 140	0.13	1.2	–	–	–	◪ 600	0.17	1.2	■ 60	0.13	1.0	◪ 40	0.15	1.0
	T7325	0.8	◪ 225	0.14	1.2	■ 175	0.13	1.2	–	–	–	–	–	–	■ 70	0.13	1.0	–	–	–
SCGT 120408E-NF1	**H07**	0.8	–	–	–	◪ 90	0.16	1.4	–	–	–	◪ 455	0.22	1.4	■ 45	0.16	1.1	–	–	–
	T6310	0.8	■ 180	0.18	1.4	■ 125	0.16	1.4	–	–	–	◪ 540	0.22	1.4	■ 50	0.16	1.1	◪ 35	0.15	1.0
	T7325	0.8	◪ 205	0.18	1.4	■ 155	0.16	1.4	–	–	–	–	–	–	■ 65	0.16	1.1	–	–	–
			E																	
Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																				
SCGT 09T304E-SF3	**H07**	0.4	–	–	–	◪ 95	0.09	1.0	◪ 155	0.10	1.0	■ 495	0.12	1.0	■ 50	0.07	0.8	–	–	–
	T6310	0.4	◪ 185	0.10	1.0	■ 130	0.09	1.0	◪ 145	0.10	1.0	■ 555	0.12	1.0	■ 55	0.07	0.8	◪ 35	0.15	1.0
	T8315	0.4	◪ 200	0.10	1.0	■ 120	0.09	1.0	◪ 190	0.10	1.0	■ 600	0.12	1.0	◪ 50	0.07	0.8	◪ 40	0.15	1.0
SCGT 09T308E-SF3	**T6310**	0.8	◪ 210	0.12	1.0	■ 150	0.12	1.0	◪ 165	0.12	1.0	■ 630	0.14	1.0	■ 60	0.11	0.8	◪ 40	0.15	1.0
	T8315	0.8	◪ 220	0.12	1.0	■ 130	0.12	1.0	◪ 205	0.12	1.0	■ 660	0.14	1.0	◪ 55	0.11	0.8	◪ 40	0.15	1.0

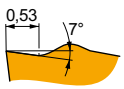
SCMT

PRAMET

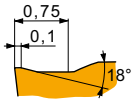
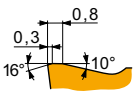
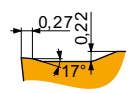
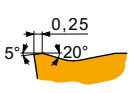
	IC (mm)	D1 (mm)	L (mm)	S (mm)
09T3	9.525	4.40	9.53	3.97
1204	12.700	5.50	12.70	4.76
2509	25.400	8.70	25.40	9.53
3809	38.100	8.70	38.10	9.53



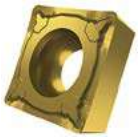
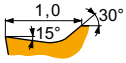
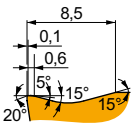
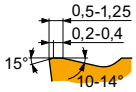
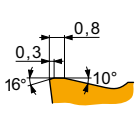
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
SCMT 09T304E-FF2	**T8430**	0.4	210	0.12	1.2	–	–	–	175	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	260	0.12	1.2	–	–	–	245	0.12	1.2	–	–	–	–	–	–	–	–	–
SCMT 09T308E-FF2	**T8330**	0.8	185	0.17	1.2	–	–	–	175	0.17	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	220	0.17	1.2	–	–	–	180	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	265	0.17	1.2	–	–	–	250	0.17	1.2	–	–	–	–	–	–	–	–	–
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
SCMT 09T304E-FM	**T7325**	0.4	205	0.15	1.2	155	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	200	0.15	1.2	155	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	190	0.15	1.2	110	0.14	1.2	180	0.15	1.2	570	0.18	1.2	–	–	–	–	–	–
	T8330	0.4	180	0.15	1.2	105	0.14	1.2	170	0.15	1.2	540	0.18	1.2	–	–	–	–	–	–
	T8430	0.4	210	0.15	1.2	115	0.14	1.2	175	0.15	1.2	585	0.18	1.2	–	–	–	–	–	–
	T9315	0.4	290	0.15	1.2	–	–	–	275	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	260	0.15	1.2	155	0.15	1.2	245	0.15	1.2	–	–	–	–	–	–	–	–	–
SCMT 09T308E-FM	**T7325**	0.8	225	0.20	1.2	175	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	215	0.20	1.2	165	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	205	0.20	1.2	120	0.18	1.2	190	0.20	1.2	615	0.24	1.2	–	–	–	–	–	–
	T8330	0.8	195	0.20	1.2	115	0.18	1.2	185	0.20	1.2	585	0.24	1.2	–	–	–	–	–	–
	T8430	0.8	225	0.20	1.2	120	0.18	1.2	185	0.20	1.2	615	0.24	1.2	–	–	–	–	–	–
	T9315	0.8	305	0.20	1.2	–	–	–	285	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	275	0.20	1.2	165	0.18	1.2	260	0.20	1.2	–	–	–	–	–	–	–	–	–
SCMT 120404E-FM	**T7325**	0.4	195	0.15	1.6	150	0.15	1.6	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	185	0.15	1.6	110	0.14	1.6	175	0.15	1.6	555	0.18	1.6	–	–	–	–	–	–
	T8330	0.4	170	0.15	1.6	100	0.14	1.6	160	0.15	1.6	510	0.18	1.6	–	–	–	–	–	–
	T8430	0.4	205	0.15	1.6	110	0.14	1.6	170	0.15	1.6	570	0.18	1.6	–	–	–	–	–	–
	T9315	0.4	280	0.15	1.6	–	–	–	265	0.15	1.6	–	–	–	–	–	–	–	–	–
	T9325	0.4	250	0.15	1.6	150	0.15	1.6	235	0.15	1.6	–	–	–	–	–	–	–	–	–
SCMT 120408E-FM	**T7325**	0.8	215	0.20	1.6	165	0.18	1.6	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	210	0.20	1.6	160	0.18	1.6	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	200	0.20	1.6	120	0.18	1.6	190	0.20	1.6	600	0.24	1.6	–	–	–	–	–	–
	T8330	0.8	190	0.20	1.6	110	0.18	1.6	180	0.20	1.6	570	0.24	1.6	–	–	–	–	–	–
	T8430	0.8	220	0.20	1.6	120	0.18	1.6	180	0.20	1.6	600	0.24	1.6	–	–	–	–	–	–
	T9315	0.8	300	0.20	1.6	–	–	–	285	0.20	1.6	–	–	–	–	–	–	–	–	–
	T9325	0.8	265	0.20	1.6	155	0.18	1.6	250	0.20	1.6	–	–	–	–	–	–	–	–	–
SCMT 120412E-FM	**T7325**	1.2	210	0.27	1.6	160	0.24	1.6	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	185	0.27	1.6	110	0.24	1.6	175	0.27	1.6	555	0.32	1.6	–	–	–	–	–	–
	T8430	1.2	200	0.27	1.6	110	0.24	1.6	165	0.27	1.6	555	0.32	1.6	–	–	–	–	–	–
	T9315	1.2	275	0.27	1.6	–	–	–	260	0.27	1.6	–	–	–	–	–	–	–	–	–
	T9325	1.2	245	0.27	1.6	145	0.24	1.6	230	0.27	1.6	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																				
SCMT 09T304E-FM2	**T7325**	0.4	200	0.12	1.0	155	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	0.4	220	0.12	1.0	120	0.11	1.0	180	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	265	0.12	1.0	155	0.11	1.0	250	0.12	1.0	–	–	–	–	–	–	–	–	–
SCMT 09T308E-FM2	**T8330**	0.8	190	0.17	1.0	110	0.15	1.0	180	0.17	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	225	0.17	1.0	120	0.15	1.0	185	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	305	0.17	1.0	–	–	–	285	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	270	0.17	1.0	160	0.15	1.0	255	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	235	0.17	1.0	140	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría RF para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
SCMT 09T308E-RF	**T5315**	0.8	255	0.20	1.5	–	–	–	240	0.20	1.5	–	–	–	–	–	–	50	0.15	1.0
	T7335	0.8	170	0.20	1.5	130	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	220	0.20	1.5	130	0.18	1.5	205	0.20	1.5	–	–	–	–	–	–	–	–	–
SCMT 120408E-RF	**T5315**	0.8	240	0.22	2.2	–	–	–	225	0.22	2.2	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.8	160	0.22	2.2	120	0.22	2.2	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	205	0.22	2.2	120	0.22	2.2	190	0.22	2.2	–	–	–	–	–	–	–	–	–
																				
Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
SCMT 09T308E-RM	**T5315**	0.8	275	0.30	2.0	–	–	–	260	0.30	2.0	–	–	–	–	–	–	55	0.15	1.0
	T7335	0.8	190	0.30	2.0	145	0.27	2.0	–	–	–	–	–	–	60	0.24	1.6	–	–	–
	T8330	0.8	175	0.30	2.0	105	0.27	2.0	165	0.30	2.0	–	–	–	40	0.24	1.6	35	0.15	1.0
	T8430	0.8	190	0.30	2.0	105	0.27	2.0	155	0.30	2.0	–	–	–	40	0.24	1.6	30	0.15	1.0
	T9315	0.8	255	0.30	2.0	–	–	–	240	0.30	2.0	–	–	–	–	–	–	50	0.15	1.0
	T9325	0.8	230	0.30	2.0	135	0.27	2.0	215	0.30	2.0	–	–	–	50	0.24	1.6	–	–	–
SCMT 120408E-RM	**T5305**	0.8	305	0.30	2.3	–	–	–	285	0.30	2.3	–	–	–	–	–	–	60	0.15	1.0
	T5315	0.8	275	0.30	2.3	–	–	–	260	0.30	2.3	–	–	–	–	–	–	55	0.15	1.0
	T7335	0.8	185	0.30	2.3	140	0.27	2.3	–	–	–	–	–	–	60	0.24	1.8	–	–	–
	T8330	0.8	175	0.30	2.3	105	0.27	2.3	165	0.30	2.3	–	–	–	40	0.24	1.8	35	0.15	1.0
	T8430	0.8	190	0.30	2.3	105	0.27	2.3	155	0.30	2.3	–	–	–	40	0.24	1.8	30	0.15	1.0
	T9315	0.8	250	0.30	2.3	–	–	–	235	0.30	2.3	–	–	–	–	–	–	50	0.15	1.0
	T9325	0.8	225	0.30	2.3	135	0.27	2.3	210	0.30	2.3	–	–	–	50	0.24	1.8	–	–	–
																				
Geometría RM3 para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
SCMT 120408E-RM3	**T6310**	0.8	155	0.27	2.3	110	0.27	2.3	125	0.27	2.3	–	–	–	–	–	–	30	0.15	1.0
	T8330	0.8	155	0.27	2.3	90	0.27	2.3	145	0.27	2.3	–	–	–	–	–	–	30	0.15	1.0
	T8430	0.8	170	0.27	2.3	90	0.27	2.3	135	0.27	2.3	–	–	–	–	–	–	25	0.15	1.0
	T9315	0.8	225	0.27	2.3	–	–	–	210	0.27	2.3	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	205	0.27	2.3	120	0.27	2.3	190	0.27	2.3	–	–	–	–	–	–	–	–	–
	T9335	0.8	175	0.27	2.3	105	0.27	2.3	–	–	–	–	–	–	–	–	–	–	–	–
SCMT 120412E-RM3	**T7325**	1.2	175	0.30	2.3	135	0.27	2.3	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	205	0.30	2.3	120	0.27	2.3	190	0.30	2.3	–	–	–	–	–	–	–	–	–

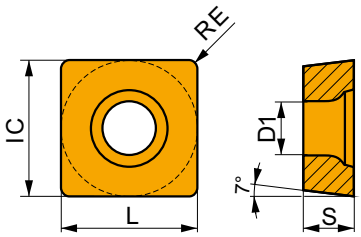
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
SCMT 09T304E-UR	**T7325**	0.4	175	0.15	1.2	135	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	155	0.15	1.2	90	0.14	1.2	145	0.15	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	180	0.15	1.2	95	0.14	1.2	145	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	250	0.15	1.2	–	–	–	235	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	225	0.15	1.2	135	0.15	1.2	210	0.15	1.2	–	–	–	–	–	–	–	–	–
SCMT 09T308E-UR	**T5315**	0.8	280	0.20	1.2	–	–	–	265	0.20	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	195	0.20	1.2	150	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	170	0.20	1.2	100	0.18	1.2	160	0.20	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	190	0.20	1.2	105	0.18	1.2	155	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	260	0.20	1.2	–	–	–	245	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	235	0.20	1.2	140	0.18	1.2	220	0.20	1.2	–	–	–	–	–	–	–	–	–
	TT310	0.8	270	0.20	1.2	160	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
SCMT 120408E-UR	**T5315**	0.8	270	0.20	1.6	–	–	–	255	0.20	1.6	–	–	–	–	–	–	–	–	–
	T7325	0.8	185	0.20	1.6	140	0.18	1.6	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	165	0.20	1.6	95	0.18	1.6	155	0.20	1.6	–	–	–	–	–	–	–	–	–
	T8430	0.8	185	0.20	1.6	100	0.18	1.6	150	0.20	1.6	–	–	–	–	–	–	–	–	–
	T9315	0.8	260	0.20	1.6	–	–	–	245	0.20	1.6	–	–	–	–	–	–	–	–	–
	T9325	0.8	230	0.20	1.6	135	0.18	1.6	215	0.20	1.6	–	–	–	–	–	–	–	–	–
SCMT 120412E-UR	**T8330**	1.2	160	0.27	1.6	95	0.24	1.6	150	0.27	1.6	–	–	–	–	–	–	–	–	–
	T8430	1.2	175	0.27	1.6	95	0.24	1.6	140	0.27	1.6	–	–	–	–	–	–	–	–	–
	T9325	1.2	215	0.27	1.6	125	0.24	1.6	200	0.27	1.6	–	–	–	–	–	–	–	–	–
																				
Geometría DR4 para desbaste y desbaste pesado y corte continuo a interrumpido.																				
SCMT 380932E-DR4	**T9335**	3.2	50	1.33	16.0	30	1.20	16.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría OR para desbaste a desbaste pesado, con corte contínuo a interrumpido.																				
SCMT 250924E-OR	**T9226**	2.4	80	1.00	10.0	45	0.90	10.0	75	1.00	10.0	–	–	–	15	0.70	8.0	–	–	–
	T9325	2.4	90	1.00	10.0	50	0.90	10.0	85	1.00	10.0	–	–	–	20	0.70	8.0	–	–	–
	T9335	2.4	70	1.00	10.0	40	0.90	10.0	–	–	–	–	–	–	15	0.70	8.0	–	–	–
SCMT 380932E-OR	**6635**	3.2	60	1.20	18.0	35	1.08	18.0	–	–	–	–	–	–	15	1.08	9.9	–	–	–
	T9226	3.2	65	1.20	18.0	35	1.08	18.0	60	1.20	18.0	–	–	–	10	1.08	9.9	–	–	–
	T9315	3.2	85	1.20	18.0	–	–	–	80	1.20	18.0	–	–	–	–	–	–	–	–	–
	T9325	3.2	80	1.20	18.0	45	1.08	18.0	75	1.20	18.0	–	–	–	15	1.08	9.9	–	–	–
	T9335	3.2	60	1.20	18.0	35	1.08	18.0	–	–	–	–	–	–	10	1.08	9.9	–	–	–
																				
Geometría SR para desbaste a desbaste pesado con corte contínuo a interrumpido.																				
SCMT 250924E-SR	**T9325**	2.4	70	1.00	14.0	40	0.90	14.0	65	1.00	14.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	60	1.00	14.0	35	0.90	14.0	–	–	–	–	–	–	–	–	–	–	–	–
SCMT 380932E-SR	**T9335**	3.2	50	1.30	20.0	30	1.30	20.0	–	–	–	–	–	–	–	–	–	–	–	–

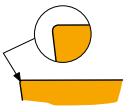
SCMW

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
09T3	9.525	4.40	9.53	3.97
1204	12.700	5.50	12.70	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
SCMW 09T304	**T5305**	0.4	–	–	–	–	–	–	240	0.10	2.0	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	205	0.10	2.0	–	–	–	–	–	–	40	0.15	1.0
SCMW 09T308	**T5305**	0.8	–	–	–	–	–	–	220	0.20	2.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	190	0.20	2.0	–	–	–	–	–	–	40	0.15	1.0
SCMW 120408	**T5305**	0.8	–	–	–	–	–	–	205	0.20	4.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	185	0.20	4.0	–	–	–	–	–	–	35	0.15	1.0

SSBC(RL) EXT

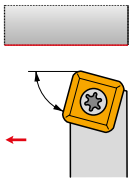
P M K N S H

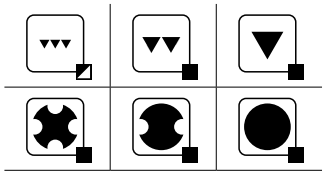
PRAMET

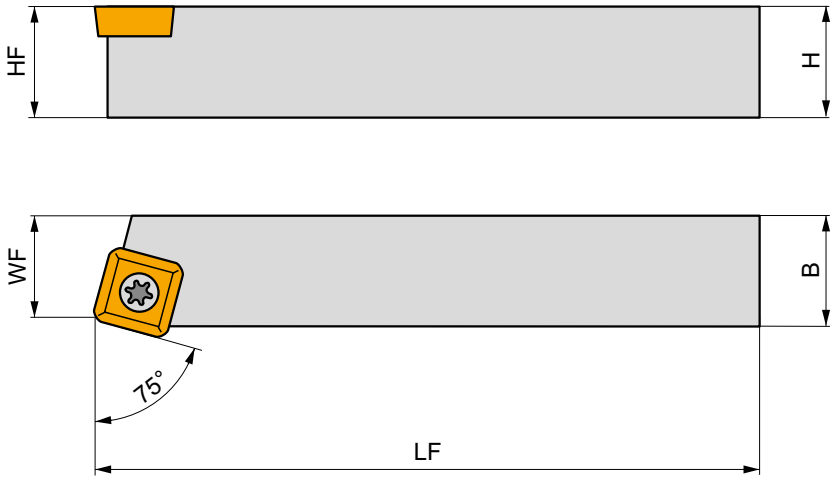
S

Portaherramientas de Exterior con Fijación por Tornillo, a 75°, para Plaquitas SC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas SC.. 09 hasta 38. Adecuado para torneado longitudinal sin escuadra, torneado en cono y achaflanado. Disponible con mangos de 12x12 hasta 60x60. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	SSBCR 1212 F 09	12	12	12	11	80	0	0	0.10	GI053	S08
	SSBCR 1616 H 09	16	16	16	13	100	0	0	0.20	GI053	S08
	SSBCR 2020 K 12-M-A	20	20	20	17	125	0	0	0.40	GI015	SS20
	SSBCR 2525 M 12-M-A	25	25	25	22	150	0	0	0.76	GI015	SS20
	SSBCR 4040 S 25	40	40	40	35	250	0	0	3.01	GI131	SS25
	SSBCR 5050 T 25	50	50	50	43	300	0	0	5.65	GI131	SS25
	SSBCR 5050 T 38-A	50	50	50	43	300	0	0	4.84	GI164	SS38A
	SSBCR 6060 V 38-A	60	60	60	53	400	0	0	11.10	GI164	SS38A
L	SSBCL 1212 F 09	12	12	12	11	80	0	0	0.10	GI053	S08
	SSBCL 1616 H 09	16	16	16	13	100	0	0	0.22	GI053	S08
	SSBCL 2020 K 12-M-A	20	20	20	17	125	0	0	0.40	GI015	SS20
	SSBCL 2525 M 12-M-A	25	25	25	22	150	0	0	0.47	GI015	SS20
	SSBCL 4040 S 25	40	40	40	35	250	0	0	3.01	GI131	SS25
	SSBCL 5050 T 25	50	50	50	43	300	0	0	5.65	GI131	SS25
	SSBCL 5050 T 38-A	50	50	50	43	300	0	0	5.78	GI164	SS38A
	SSBCL 6060 V 38-A	60	60	60	53	400	0	0	11.16	GI164	SS38A

GI015	SC.. 1204..
GI053	SC.. 09T3..
GI131	SC.. 2509..
GI164	SC.. 3809..

		Nm							
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	–
SS20	US 5012-T15P	5.0	M 5	12.2	SSN 120304	MS 5008	FLAG T15P	HXK 5	–
SS25	US 8025-T30P	13.0	M 8	24.2	SSN 250620	MS 8020	–	HXK 5	SDR T30P
SS38A	US 8025-T30P	13.0	M 8	24.2	SSN 380920	MS 8020	–	HXK 5	SDR T30P

SSDCN EXT

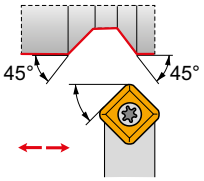
P M K N S H

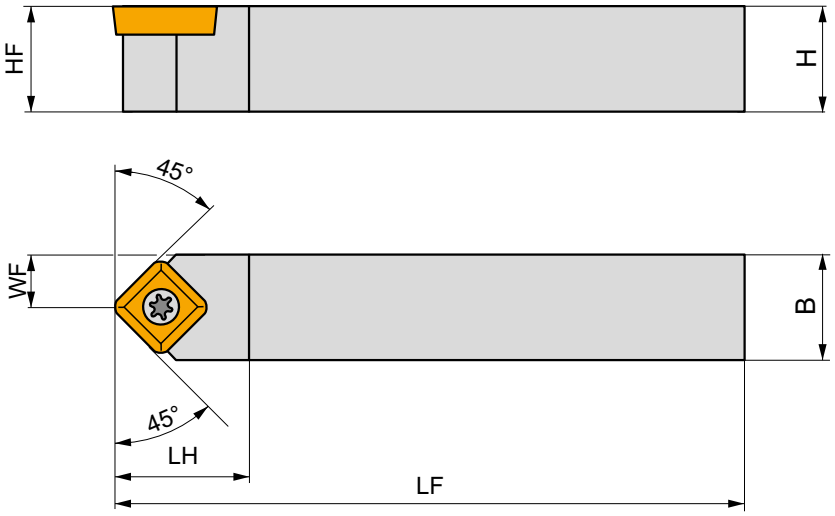
PRAMET

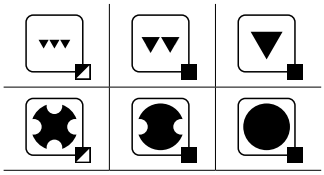
S

Portaherramientas de Exterior con Fijación por Tornillo, a 45°, para Plaquitas SC..

Portaherramientas de exterior neutro con fijación por tornillo para plaquitas positivas SC.. de 09 o 12. Adecuado para torneado longitudinal sin escuadra, copiado, torneado en cono y achaflanado. Disponible con mangos de 12x12 hasta 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
N	**SSDCN 1212 F 09**	12	12	12	6	80	–	0	0	0.12	GI053	S08
	SSDCN 1616 H 09	16	16	16	8	100	–	0	0	0.20	GI053	S08
	SSDCN 2020 K 12-M-A	20	20	20	10	125	–	0	0	0.42	GI015	SS20
	SSDCN 2525 M 12-M-A	25	25	25	12.5	150	–	0	0	0.74	GI015	SS20

GI015	SC.. 1204..
GI053	SC.. 09T3..

		Nm						
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–
SS20	US 5012-T15P	5.0	M 5	12.2	SSN 120304	MS 5008	FLAG T15P	HXK 5

SSKC(RL) EXT

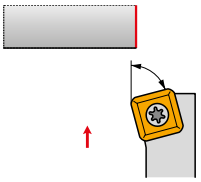
P M K N S H

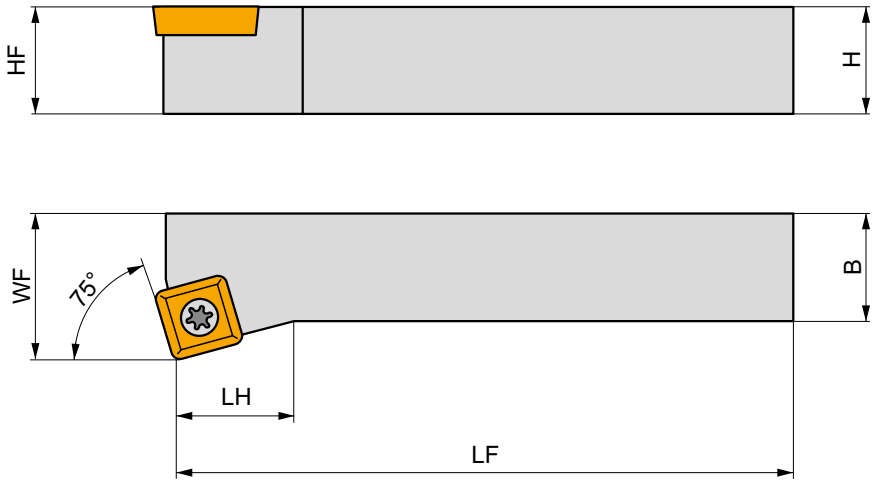
PRAMET

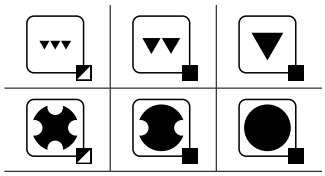
S

Portaherramientas de Exterior con Fijación por Tornillo, a 75°, (Refrentado) para Plaquitas SC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas SC.. 09 hasta 12. Adecuado para refrentado sin escuadra y achaflanado. Disponible con mangos de 12x12 hasta 25x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SSKCR 1212 F 09	12	12	12	16	80	32	0	0	0.10	GI053	S08
	SSKCR 1616 H 09	16	16	16	20	100	32	0	0	0.25	GI053	S08
	SSKCR 2020 K 12-M-A	20	20	20	25	125	36	0	0	0.75	GI015	SS20
	SSKCR 2525 M 12-M-A	25	25	25	32	150	36	0	0	0.75	GI015	SS20
L	SSKCL 1212 F 09	12	12	12	16	80	32	0	0	0.10	GI053	S08
	SSKCL 1616 H 09	16	16	16	20	100	32	0	0	0.22	GI053	S08
	SSKCL 2020 K 12-M-A	20	20	20	25	125	36	0	0	0.45	GI015	SS20
	SSKCL 2525 M 12-M-A	25	25	25	32	150	36	0	0	0.80	GI015	SS20

GI015	SC.. 1204..
GI053	SC.. 09T3..

		Nm						
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–
SS20	US 5012-T15P	5.0	M 5	12.2	SSN 120304	MS 5008	FLAG T15P	HXK 5

KHS-SBC(RL)

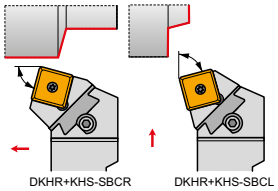
P M K

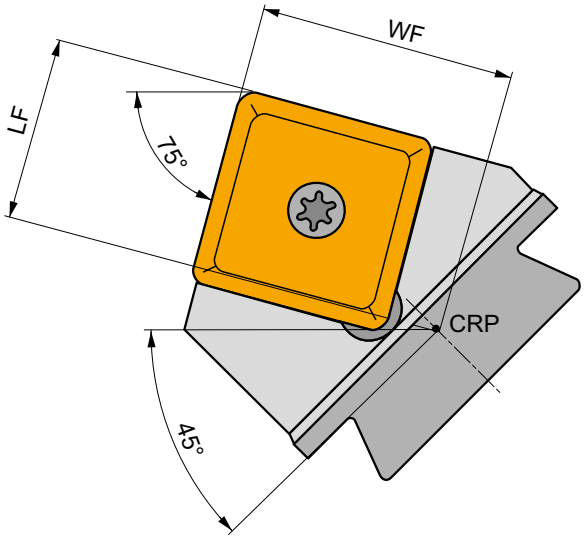
PRAMET

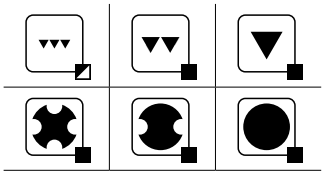
S

Cartucho para torneado pesado KHS, Fijación por Tornillo y Ángulo de Posición 75° para Plaquita SC..

Cartucho para torneado pesado con fijación por tornillo a derecha o izquierda, con ángulo de posición de 75º , para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado pesado longitudinal sin escuadra, refrentado, torneado cónico y achaflanado con plaquitas positivas SC ..25 o 38. Portaherramientas tratado para una vida útil más larga.







	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	KHS-SBCR 25	47	36	0	0	1.50	GI131	SS26
	KHS-SBCR 38-A	47	36	0	0	1.50	GI164	SS38
L	KHS-SBCL 25	47	36	0	0	1.45	GI131	SS26
	KHS-SBCL 38-A	47	36	0	0	1.48	GI164	SS38

GI131	SC.. 2509..
GI164	SC.. 3809..

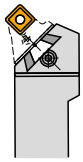
SS26	US 8025-T30P	13.0	M 8	24.2	SSN 250620	MS 8020	SDR T30P	HXK 5
SS38	US 8025-T30P	13.0	M 8	24.2	SSN 380620	MS 8020	SDR T30P	HXK 5

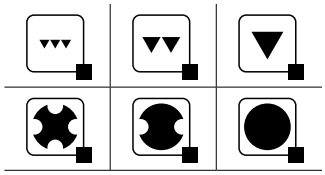
DKH(RL)

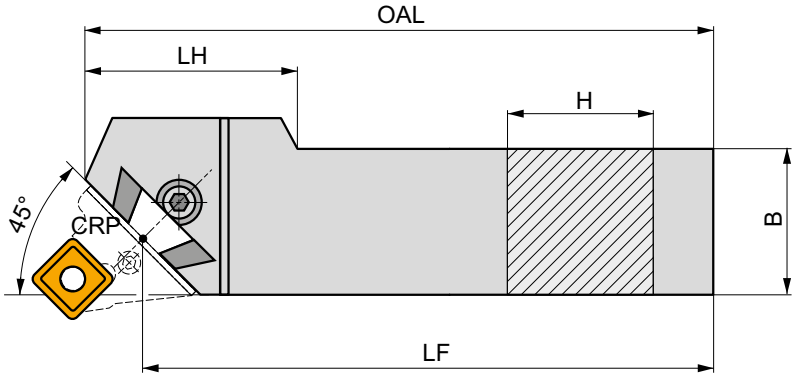
PRAMET

Portaherramientas de Exterior para Cartuchos de Torneado Pesado KHP/KHS

Portaherramientas modular a derecha o izquierda, para montaje con cola de milano de cartuchos KHP/KHS. Disponibles con mangos desde tamaño 40x50 hasta 60x80. Portaherramientas tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	LF (mm)	OAL (mm)	LH (mm)	kg		
R	**DKHR 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHR 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHR 6080 W-A	60	80	450	485	90	19.65	GI098	DKH10
L	**DKHL 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHL 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHL 6080 W-A	60	80	450	485	90	19.28	GI098	DKH10

GI098	KHP	KHS

DKH10	SR 14	HXK 10

SSSC(RL) INT

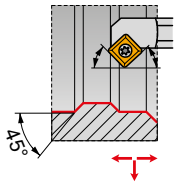
P M K N S H

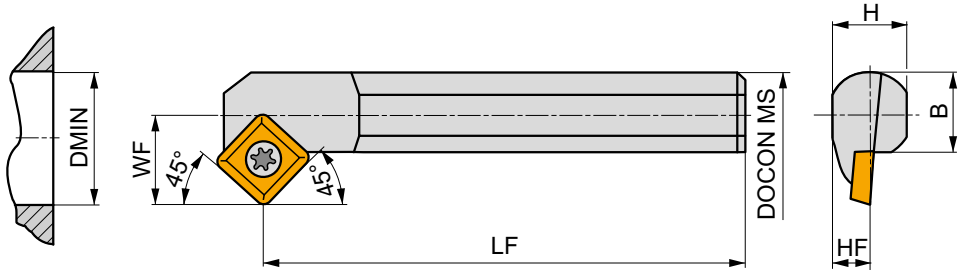
PRAMET

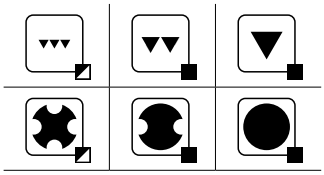
S

Portaherramientas de Interior con Fijación por Tornillo, a 45°, para Plaquitas SC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo y ángulo de posición de 45° para plaquitas positivas SC.. 09. Agujero mínimo de Ø25 mm. Para achaflanado frontal y trasero, torneado interior longitudinal sin escuadra y multidireccional. Disponible con mangos de Ø20 y Ø25. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	S20S-SSSCR 09	20	25	13	18	18.5	250	-5	0	0.61	GI053	S04
	S25T-SSSCR 09	25	32	17	23	23	300	-3	0	1.15	GI053	S04
L	S20S-SSSCL 09	20	25	13	18	18.5	250	-5	0	0.05	GI053	S04
	S25T-SSSCL 09	25	32	17	23	23	300	-3	0	1.11	GI053	S04

GI053	SC.. 09T3..

S04	US 3510-T15P	3.0	M 3.5	10.6	FLAG T15P

SP

09/ 12/ 15/ 19/ 25

PLAQUITAS DE METAL DURO

SPMR

146

SPUN

146

PLAQUITAS CER

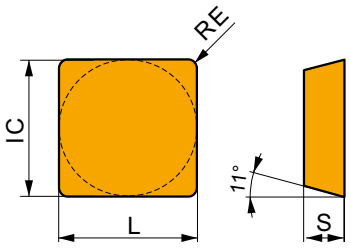
SPGN CER

147

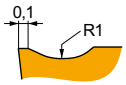
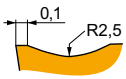
SPMR

PRAMET

	IC (mm)	L (mm)	S (mm)
0903	9.525	9.53	3.18
1203	12.700	12.70	3.18



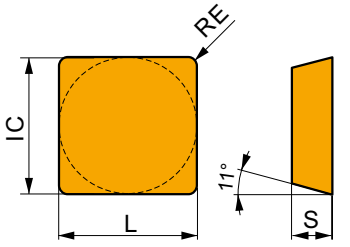
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría 46 para acabado y acabado fino con corte contínuo a interrumpido.																	
SPMR 090304E-46	**T9325**	0.4	■ 215	0.15	1.0	◪ 125	0.15	1.0	◪ 200	0.15	1.0	–	–	–	–	–	–	–	–	–
SPMR 090308E-46	**T9325**	0.8	■ 255	0.15	1.0	◪ 150	0.15	1.0	◪ 240	0.15	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría 48 para acabado a semi-desbaste con corte contínuo a interrumpido.																	
SPMR 120304E-48	**T9325**	0.4	■ 170	0.22	2.2	◪ 100	0.22	2.2	◪ 160	0.22	2.2	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 145	0.22	2.2	◪ 85	0.22	2.2	–	–	–	–	–	–	–	–	–	–	–	–
SPMR 120308E-48	**6640**	0.8	■ 160	0.22	2.2	◪ 95	0.22	2.2	■ 150	0.22	2.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 205	0.22	2.2	◪ 120	0.22	2.2	◪ 190	0.22	2.2	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 175	0.22	2.2	◪ 105	0.22	2.2	–	–	–	–	–	–	–	–	–	–	–	–
SPMR 120312E-48	**T9325**	1.2	■ 215	0.22	2.2	◪ 125	0.22	2.2	◪ 200	0.22	2.2	–	–	–	–	–	–	–	–	–

SPUN

PRAMET

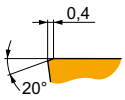
	IC (mm)	L (mm)	M (mm)	S (mm)
1203	12.700	12.70	2	3.18
1504	15.875	15.88	3	4.76
1904	19.050	19.05	3	4.76
2506	25.400	25.40	4	6.35



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
SPUN 120308	**6640**	0.8	■ 180	0.15	4.0	–	–	–	◪ 170	0.15	4.0	–	–	–	–	–	–	–	–	–
SPUN 120312	**6640**	1.2	■ 190	0.15	4.0	–	–	–	◪ 180	0.15	4.0	–	–	–	–	–	–	–	–	–
SPUN 150408	**6640**	0.8	■ 155	0.20	5.0	–	–	–	◪ 145	0.20	5.0	–	–	–	–	–	–	–	–	–

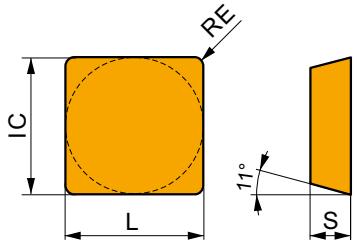
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
SPUN 150412	**6640**	1.2	■ 165	0.20	5.0	–	–	–	◪ 155	0.20	5.0	–	–	–	–	–	–	–	–	–
SPUN 190408	**6640**	0.8	■ 150	0.20	6.0	–	–	–	◪ 140	0.20	6.0	–	–	–	–	–	–	–	–	–
SPUN 190412	**6640**	1.2	■ 160	0.20	6.0	–	–	–	◪ 150	0.20	6.0	–	–	–	–	–	–	–	–	–
SPUN 190416	**6640**	1.6	■ 165	0.20	6.0	–	–	–	◪ 155	0.20	6.0	–	–	–	–	–	–	–	–	–
																				
Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
SPUN 250620S	**6640**	2.0	■ 80	0.40	12.0	–	–	–	◪ 75	0.40	12.0	–	–	–	–	–	–	–	–	–

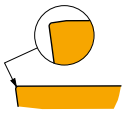
SPGN CER

PRAMET

	IC (mm)	L (mm)	S (mm)
1203	12.700	12.70	3.18



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Para mecanizado con altas velocidades y corte contínuo.																				
SPGN 120308 T01020	**TC100**	0.8	–	–	–	–	–	–	◪ 530	0.20	1.5	–	–	–	–	–	–	–	–	–

TC

06/ 09/ 11/16

PLAQUITAS DE METAL DURO

TCGT

149

TCMT

150

TCMW

154

PLAQUITAS CBN

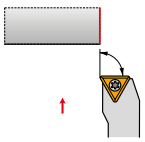
TCGW CBN

154

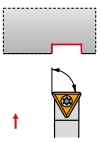
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
TCMT 110204E-FF2	STFCR 1616 H 11

TORNEADO ISO - EXTERIOR

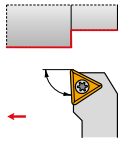
STFC(RL) EXT

90°	TC..
	11 16
16×16 25×25	
155	149 – 154

STFC(RL)-A EXT

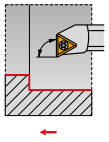
90°	TC..
	11
20×20	
156	149 – 154

STJC(RL) EXT

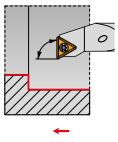
93°	TC..
	11 16
16×16 25×25	
157	149 – 154

TORNEADO ISO - INTERIOR

STFC(RL) INT

90°	TC..
	06 09 11 16
8,5 40	
158	149 – 154

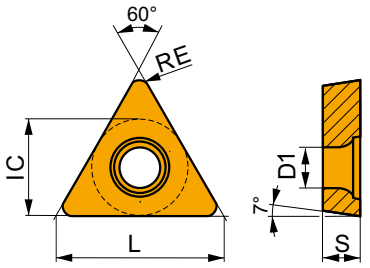
STFC(RL)-E INT

90°	TC..
	06 09 11
8,5 20	
160	149 – 154

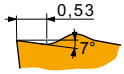
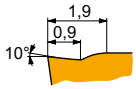
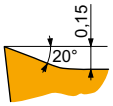
TCGT

PRAMET

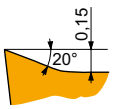
	IC (mm)	D1 (mm)	L (mm)	S (mm)
06T1	3.970	2.20	6.90	1.98
0902	5.560	2.50	9.60	2.38
1102	6.350	2.80	11.00	2.38
1102-SF3	6.350	2.80	11.00	2.58
16T3	9.525	4.40	16.50	3.97
16T3-SF3	9.525	4.40	16.50	4.22



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.																				
TCGT 090202F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	■ 375	0.12	1.0	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	■ 555	0.12	1.0	–	–	–	–	–	–
TCGT 090204F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 300	0.24	1.0	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	■ 450	0.24	1.0	–	–	–	–	–	–
TCGT 110202F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	■ 360	0.12	1.5	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	■ 525	0.12	1.5	–	–	–	–	–	–
TCGT 110204F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 285	0.24	1.5	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	■ 420	0.24	1.5	–	–	–	–	–	–
TCGT 110208F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 270	0.48	1.5	–	–	–	–	–	–
TCGT 16T304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 285	0.24	2.4	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	■ 405	0.24	2.4	–	–	–	–	–	–
TCGT 16T308F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 255	0.48	2.4	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	■ 360	0.48	2.4	–	–	–	–	–	–
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
TCGT 06T102E-FF2	**T8330**	0.2	■ 175	0.05	0.8	–	–	–	■ 165	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	■ 235	0.05	0.8	–	–	–	◪ 190	0.05	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.2	■ 295	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TCGT 090202E-FF2	**TT010**	0.2	■ 295	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría NF1 con diseño positivo para acabado fino a mecanizado medio con corte contínuo.																				
TCGT 110204E-NF1	**H07**	0.4	–	–	–	◪ 80	0.09	0.8	–	–	–	◪ 415	0.12	0.8	■ 40	0.08	0.6	–	–	–
	T6310	0.4	■ 155	0.10	0.8	■ 110	0.09	0.8	–	–	–	◪ 465	0.12	0.8	■ 45	0.08	0.6	◪ 30	0.15	1.0
	T7325	0.4	◪ 180	0.10	0.8	■ 140	0.09	0.8	–	–	–	–	–	–	■ 55	0.08	0.6	–	–	–
																				
Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																				
TCGT 110202E-SF3	**T6310**	0.2	◪ 175	0.05	0.8	■ 125	0.05	0.8	◪ 140	0.05	0.8	■ 525	0.06	0.8	■ 50	0.04	0.6	◪ 35	0.15	1.0
	T8315	0.2	◪ 185	0.05	0.8	■ 110	0.05	0.8	◪ 175	0.05	0.8	■ 555	0.06	0.8	◪ 45	0.04	0.6	◪ 35	0.15	1.0
TCGT 110204E-SF3	**H07**	0.4	–	–	–	◪ 80	0.09	0.8	◪ 130	0.10	0.8	■ 415	0.12	0.8	■ 40	0.07	0.6	–	–	–
	T6310	0.4	◪ 155	0.10	0.8	■ 110	0.09	0.8	◪ 125	0.10	0.8	■ 465	0.12	0.8	■ 45	0.07	0.6	◪ 30	0.15	1.0
	T8315	0.4	◪ 165	0.10	0.8	■ 95	0.09	0.8	◪ 155	0.10	0.8	■ 495	0.12	0.8	◪ 40	0.07	0.6	◪ 30	0.15	1.0

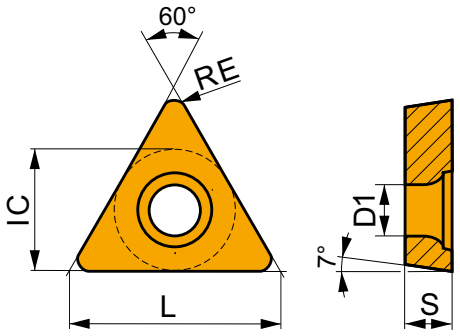
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																				
TCGT 16T304E-SF3	**H07**	0.4	–	–	–	80	0.09	1.0	125	0.10	1.0	405	0.12	1.0	40	0.07	0.8	–	–	–
	T6310	0.4	150	0.10	1.0	105	0.09	1.0	120	0.10	1.0	450	0.12	1.0	45	0.07	0.8	30	0.15	1.0
	T8315	0.4	160	0.10	1.0	95	0.09	1.0	150	0.10	1.0	480	0.12	1.0	40	0.07	0.8	30	0.15	1.0
TCGT 16T308E-SF3	**H07**	0.8	–	–	–	90	0.09	1.2	145	0.10	1.2	470	0.12	1.2	45	0.08	1.0	–	–	–
	T6310	0.8	175	0.10	1.2	125	0.09	1.2	140	0.10	1.2	525	0.12	1.2	50	0.08	1.0	35	0.15	1.0
	T8315	0.8	185	0.10	1.2	110	0.09	1.2	175	0.10	1.2	555	0.12	1.2	45	0.08	1.0	35	0.15	1.0
TCGT 16T312E-SF3	**T6310**	1.2	150	0.20	1.2	105	0.18	1.2	120	0.20	1.2	450	0.24	1.2	45	0.14	1.0	30	0.15	1.0
Geometría ER-SI con diseño positivo a derecha para acabado fino con corte contínuo.																				
TCGT 110202ER-SI	**T8315**	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
	T8330	0.2	180	0.10	0.8	105	0.09	0.8	170	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
	T8430	0.2	225	0.10	0.8	120	0.09	0.8	185	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
TCGT 110204ER-SI	**T8330**	0.4	180	0.12	0.8	105	0.11	0.8	170	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–
	T8430	0.4	225	0.12	0.8	120	0.11	0.8	185	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–
Geometría EL-SI con diseño positivo a izquierda para acabado fino con corte contínuo.																				
TCGT 110202EL-SI	**T8315**	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
	T8330	0.2	180	0.10	0.8	105	0.09	0.8	170	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
	T8430	0.2	225	0.10	0.8	120	0.09	0.8	185	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
TCGT 110204EL-SI	**T8315**	0.4	195	0.12	0.8	115	0.11	0.8	185	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–
	T8330	0.4	180	0.12	0.8	105	0.11	0.8	170	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–
	T8430	0.4	225	0.12	0.8	120	0.11	0.8	185	0.12	0.8	–	–	–	45	0.10	0.6	–	–	–

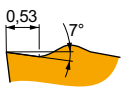
TCMT

PRAMET

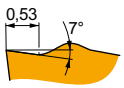
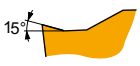
	IC (mm)	D1 (mm)	L (mm)	S (mm)
06T1	3.970	2.20	6.90	1.98
0902	5.560	2.50	9.60	2.38
1102	6.350	2.80	11.00	2.38
16T3	9.525	4.40	16.50	3.97



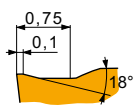
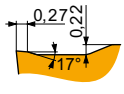
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
TCMT 06T102E-FF2	**T8330**	0.2	175	0.05	0.8	–	–	–	165	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	235	0.05	0.8	–	–	–	190	0.05	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.2	335	0.05	0.8	–	–	–	315	0.05	0.8	–	–	–	–	–	–	–	–	–

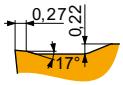
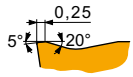
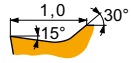
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			U		E															
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
TCMT 06T104E-FF2	**T7325**	0.4	170	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	145	0.12	0.8	–	–	–	135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	180	0.12	0.8	–	–	–	145	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	245	0.12	0.8	–	–	–	230	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	220	0.12	0.8	–	–	–	205	0.12	0.8	–	–	–	–	–	–	–	–	–
TCMT 090204E-FF2	**T5315**	0.4	240	0.12	1.0	–	–	–	225	0.12	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.4	165	0.12	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	140	0.12	1.0	–	–	–	130	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	175	0.12	1.0	–	–	–	140	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	240	0.12	1.0	–	–	–	225	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	215	0.12	1.0	–	–	–	200	0.12	1.0	–	–	–	–	–	–	–	–	–
TCMT 110204E-FF2	**T7325**	0.4	170	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	145	0.12	0.8	–	–	–	135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	180	0.12	0.8	–	–	–	145	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	245	0.12	0.8	–	–	–	230	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	220	0.12	0.8	–	–	–	205	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	185	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TCMT 110208E-FF2	**T7325**	0.8	180	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	155	0.17	0.8	–	–	–	145	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	185	0.17	0.8	–	–	–	150	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	250	0.17	0.8	–	–	–	235	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.17	0.8	–	–	–	210	0.17	0.8	–	–	–	–	–	–	–	–	–
TCMT 16T304E-FF2	**T7325**	0.4	170	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	145	0.12	0.8	–	–	–	135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	180	0.12	0.8	–	–	–	145	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	245	0.12	0.8	–	–	–	230	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	220	0.12	0.8	–	–	–	205	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	185	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	TT010	0.4	295	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TCMT 16T308E-FF2	**T7325**	0.8	180	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	155	0.17	0.8	–	–	–	145	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	185	0.17	0.8	–	–	–	150	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	250	0.17	0.8	–	–	–	235	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.17	0.8	–	–	–	210	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	195	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			1		E															
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
TCMT 110202E-FM	**T7325**	0.2	185	0.10	0.8	140	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.2	185	0.10	0.8	140	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	170	0.10	0.8	100	0.09	0.8	160	0.10	0.8	510	0.12	0.8	–	–	–	–	–	–
	T8330	0.2	160	0.10	0.8	95	0.09	0.8	150	0.10	0.8	480	0.12	0.8	–	–	–	–	–	–
	T8430	0.2	195	0.10	0.8	105	0.09	0.8	160	0.10	0.8	540	0.12	0.8	–	–	–	–	–	–
	T9315	0.2	270	0.10	0.8	–	–	–	255	0.10	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.2	245	0.10	0.8	145	0.09	0.8	230	0.10	0.8	–	–	–	–	–	–	–	–	–
TCMT 110204E-FM	**T7325**	0.4	160	0.19	0.8	120	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	155	0.19	0.8	120	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	170	0.12	0.8	100	0.11	0.8	160	0.12	0.8	510	0.14	0.8	–	–	–	–	–	–
	T8330	0.4	160	0.12	0.8	95	0.11	0.8	150	0.12	0.8	480	0.14	0.8	–	–	–	–	–	–
	T8430	0.4	195	0.12	0.8	105	0.11	0.8	160	0.12	0.8	540	0.14	0.8	–	–	–	–	–	–
	T9315	0.4	270	0.12	0.8	–	–	–	255	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	205	0.18	0.8	120	0.16	0.8	190	0.18	0.8	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
TCMT 110208E-FM	**T7325**	0.8	195	0.17	0.8	150	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	175	0.17	0.8	105	0.15	0.8	165	0.17	0.8	525	0.20	0.8	–	–	–	–	–	–
	T8430	0.8	200	0.17	0.8	110	0.15	0.8	165	0.17	0.8	555	0.20	0.8	–	–	–	–	–	–
	T9315	0.8	275	0.17	0.8	–	–	–	260	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	250	0.17	0.8	150	0.15	0.8	235	0.17	0.8	–	–	–	–	–	–	–	–	–
TCMT 16T304E-FM	**T7325**	0.4	150	0.19	1.7	115	0.17	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	145	0.19	1.7	110	0.17	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	155	0.12	1.7	90	0.11	1.7	145	0.12	1.7	465	0.14	1.7	–	–	–	–	–	–
	T8330	0.4	150	0.12	1.7	90	0.11	1.7	140	0.12	1.7	450	0.14	1.7	–	–	–	–	–	–
	T8430	0.4	180	0.12	1.7	95	0.11	1.7	145	0.12	1.7	495	0.14	1.7	–	–	–	–	–	–
	T9315	0.4	250	0.12	1.7	–	–	–	235	0.12	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.18	1.7	110	0.16	1.7	180	0.18	1.7	–	–	–	–	–	–	–	–	–
TCMT 16T308E-FM	**T7325**	0.8	180	0.17	1.7	140	0.15	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	175	0.17	1.7	135	0.15	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	170	0.17	1.7	100	0.15	1.7	160	0.17	1.7	510	0.20	1.7	–	–	–	–	–	–
	T8330	0.8	160	0.17	1.7	95	0.15	1.7	150	0.17	1.7	480	0.20	1.7	–	–	–	–	–	–
	T8430	0.8	185	0.17	1.7	100	0.15	1.7	150	0.17	1.7	510	0.20	1.7	–	–	–	–	–	–
	T9315	0.8	255	0.17	1.7	–	–	–	240	0.17	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	230	0.17	1.7	135	0.15	1.7	215	0.17	1.7	–	–	–	–	–	–	–	–	–
																				
			Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																	
TCMT 110204E-FM2	**T8330**	0.4	145	0.12	0.8	85	0.11	0.8	135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	180	0.12	0.8	95	0.11	0.8	145	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	220	0.12	0.8	130	0.11	0.8	205	0.12	0.8	–	–	–	–	–	–	–	–	–
TCMT 110208E-FM2	**T8330**	0.8	155	0.17	0.8	90	0.15	0.8	145	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	185	0.17	0.8	100	0.15	0.8	150	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.17	0.8	135	0.15	0.8	210	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	195	0.17	0.8	115	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
TCMT 16T308E-FM2	**T7325**	0.8	170	0.20	1.0	130	0.18	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	145	0.20	1.0	85	0.18	1.0	135	0.20	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	170	0.20	1.0	90	0.18	1.0	135	0.20	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	205	0.20	1.0	120	0.18	1.0	190	0.20	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	175	0.20	1.0	105	0.18	1.0	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría RF para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
TCMT 16T308E-RF	**T9325**	0.8	175	0.20	1.5	105	0.18	1.5	165	0.20	1.5	–	–	–	–	–	–	–	–	–
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
TCMT 16T308E-RM	**T5305**	0.8	265	0.27	1.9	–	–	–	250	0.27	1.9	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.8	235	0.27	1.9	–	–	–	220	0.27	1.9	–	–	–	–	–	–	45	0.15	1.0
	T7335	0.8	155	0.27	1.9	120	0.24	1.9	–	–	–	–	–	–	50	0.19	1.5	–	–	–
	T8330	0.8	145	0.27	1.9	85	0.24	1.9	135	0.27	1.9	–	–	–	35	0.19	1.5	25	0.15	1.0
	T8430	0.8	165	0.27	1.9	90	0.24	1.9	135	0.27	1.9	–	–	–	35	0.19	1.5	25	0.15	1.0
	T9315	0.8	215	0.27	1.9	–	–	–	200	0.27	1.9	–	–	–	–	–	–	40	0.15	1.0
	T9325	0.8	195	0.27	1.9	115	0.24	1.9	185	0.27	1.9	–	–	–	40	0.19	1.5	–	–	–

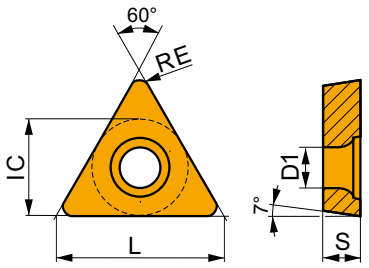
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
TCMT 16T312E-RM	**T5305**	1.2	◪ 280	0.27	1.9		–	–	–	■ 265	0.27	1.9	–	–	–	–	–	–	◪ 55	0.15	1.0
	T5315	1.2	◪ 250	0.27	1.9		–	–	–	■ 235	0.27	1.9	–	–	–	–	–	–	◪ 50	0.15	1.0
	T8330	1.2	■ 150	0.27	1.9	■ 90	0.24	1.9	■ 140	0.27	1.9	–	–	–	◪ 35	0.19	1.5	◪ 30	0.15	1.0
	T8430	1.2	■ 170	0.27	1.9	■ 90	0.24	1.9	◪ 135	0.27	1.9	–	–	–	◪ 35	0.19	1.5	◪ 25	0.15	1.0
	T9315	1.2	■ 225	0.27	1.9		–	–	–	◪ 210	0.27	1.9	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	1.2	■ 205	0.27	1.9	■ 120	0.24	1.9	◪ 190	0.27	1.9	–	–	–	◪ 45	0.19	1.5		–	–	–
																				
Geometría RM3 para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
TCMT 16T304E-RM3	**T6310**	0.4	■ 110	0.25	2.0	◪ 75	0.25	2.0	■ 85	0.25	2.0	–	–	–	–	–	–	◪ 20	0.15	1.0
	T7325	0.4	◪ 125	0.25	2.0	◪ 95	0.25	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 110	0.25	2.0	◪ 65	0.25	2.0	■ 100	0.25	2.0	–	–	–	–	–	–	◪ 20	0.15	1.0
	T8430	0.4	■ 120	0.25	2.0	◪ 65	0.25	2.0	◪ 95	0.25	2.0	–	–	–	–	–	–	◪ 20	0.15	1.0
	T9315	0.4	■ 165	0.25	2.0		–	–	◪ 155	0.25	2.0	–	–	–	–	–	–	◪ 30	0.15	1.0
	T9325	0.4	■ 145	0.25	2.0	◪ 85	0.25	2.0	◪ 135	0.25	2.0	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 125	0.25	2.0	◪ 75	0.25	2.0	–	–	–	–	–	–	–	–	–	–	–	–
TCMT 16T308E-RM3	**T6310**	0.8	■ 125	0.27	2.0	◪ 90	0.27	2.0	■ 100	0.27	2.0	–	–	–	–	–	–	◪ 25	0.15	1.0
	T7325	0.8	◪ 145	0.27	2.0	◪ 110	0.27	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 125	0.27	2.0	◪ 75	0.27	2.0	■ 115	0.27	2.0	–	–	–	–	–	–	◪ 25	0.15	1.0
	T8430	0.8	■ 135	0.27	2.0	◪ 75	0.27	2.0	◪ 110	0.27	2.0	–	–	–	–	–	–	◪ 20	0.15	1.0
	T9315	0.8	■ 185	0.27	2.0		–	–	◪ 175	0.27	2.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 170	0.27	2.0	◪ 100	0.27	2.0	◪ 160	0.27	2.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 145	0.27	2.0	◪ 85	0.27	2.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
TCMT 110204E-UR	**T7325**	0.4	◪ 135	0.19	0.8	◪ 105	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 135	0.12	0.8	◪ 80	0.11	0.8	■ 125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 170	0.12	0.8	◪ 90	0.11	0.8	◪ 135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 235	0.12	0.8		–	–	◪ 220	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 175	0.18	0.8	◪ 105	0.16	0.8	◪ 165	0.18	0.8	–	–	–	–	–	–	–	–	–
TCMT 16T304E-UR	**T7325**	0.4	◪ 135	0.19	0.8	◪ 105	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 135	0.12	0.8	◪ 80	0.11	0.8	■ 125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 170	0.12	0.8	◪ 90	0.11	0.8	◪ 135	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 235	0.12	0.8		–	–	◪ 220	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 175	0.18	0.8	◪ 105	0.16	0.8	◪ 165	0.18	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.4	■ 225	0.12	0.8	◪ 135	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
TCMT 16T308E-UR	**T5315**	0.8	◪ 245	0.17	0.8		–	–	■ 230	0.17	0.8	–	–	–	–	–	–	–	–	–
	T7325	0.8	◪ 170	0.17	0.8	◪ 130	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 150	0.17	0.8	◪ 90	0.15	0.8	■ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 175	0.17	0.8	◪ 95	0.15	0.8	◪ 140	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 240	0.17	0.8		–	–	◪ 225	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 215	0.17	0.8	◪ 125	0.15	0.8	◪ 200	0.17	0.8	–	–	–	–	–	–	–	–	–

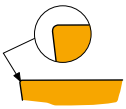
TCMW

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1102	6.350	2.80	11.00	2.38
16T3	9.525	4.40	16.50	3.97



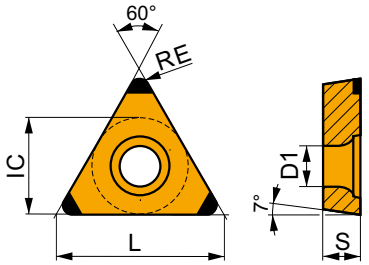
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			E																	
Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
TCMW 110204	**T5305**	0.4	–	–	–	–	–	–	200	0.10	1.2	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	180	0.10	1.2	–	–	–	–	–	–	35	0.15	1.0
TCMW 16T304	**T5305**	0.4	–	–	–	–	–	–	195	0.10	1.5	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	175	0.10	1.5	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	85	0.10	1.5	–	–	–	–	–	–	20	0.15	1.0
TCMW 16T308	**T5305**	0.8	–	–	–	–	–	–	190	0.18	1.5	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	165	0.18	1.5	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	85	0.18	1.5	–	–	–	–	–	–	20	0.15	1.0

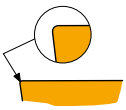
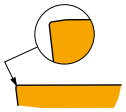
TCGW CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1102	6.350	2.90	11.00	2.38



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC E																	
Para acabado con corte contínuo.																				
TCGW 110204E-C	**TB310**	0.4	–	–	–	–	–	–	390	0.10	0.4	–	–	–	100	0.07	0.3	80	0.15	1.0
			HSC S																	
Para acabado con corte contínuo.																				
TCGW 110204S01020C	**TB310**	0.4	–	–	–	–	–	–	390	0.10	0.4	–	–	–	100	0.07	0.3	80	0.15	1.0
TCGW 110208S01020C	**TB310**	0.8	–	–	–	–	–	–	400	0.15	0.6	–	–	–	105	0.11	0.5	85	0.15	1.0

STFC(RL) EXT

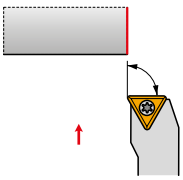
P M K N S H

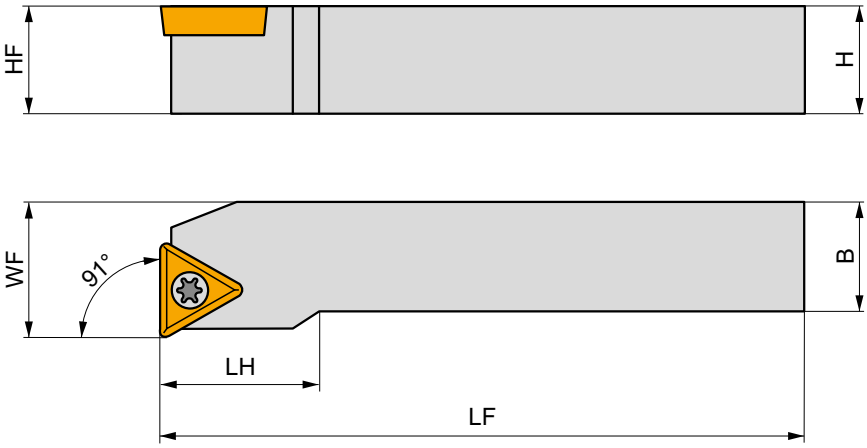
PRAMET

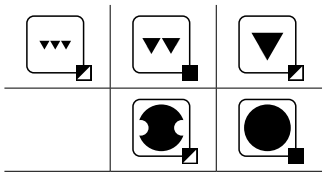
S

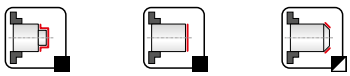
Portaherramientas de Exterior con Fijación por Tornillo, a 91°, (Refrentado) para Plaquitas TC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas TC.. 11 a 16. Adecuado para refrentado con escuadra y achaflanado. Disponible con mangos de 16x16 hasta 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**STFCR 1616 H 11**	16	16	16	20	100	18	0	0	0.20	GI056	S01
	STFCR 2020 K 16-M-A	20	20	20	25	125	25	0	0	0.40	GI016	ST10
	STFCR 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.76	GI016	ST10
L	**STFCL 1616 H 11**	16	16	16	20	100	18	0	0	0.22	GI056	S01
	STFCL 2020 K 16-M-A	20	20	20	25	125	25	0	0	0.40	GI016	ST10
	STFCL 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.75	GI016	ST10

GI016	TC.. 16T3..
GI056	TC.. 1102..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
ST10	US 3510-T15P	3.0	M 3.5	10.6	STN 160308	MS 3510	FLAG T15P	HXK 3.5

STFC(RL)-A EXT

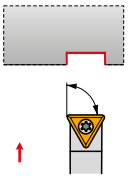
P M K N S H

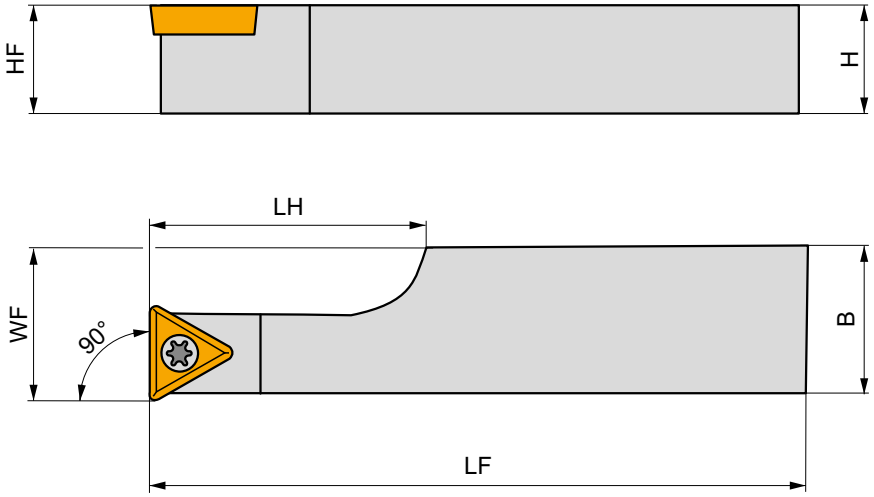
PRAMET

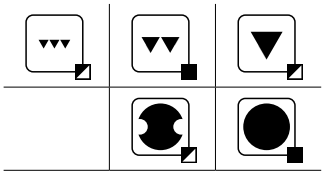
S

Portaherramientas de Exterior con Fijación por Tornillo, a 90°, (Refrentado) para Plaquitas TC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas TC.. 11. Adecuado para torneado refrentado con escuadra a derecha o izquierda y achaflanado. Disponible con mango de 20x20. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	STFCR 2020 K 11-A	20	20	20	25	125	21.3	0	0	0.52	GI056	ST21
L	STFCL 2020 K 11-A	20	20	20	25	125	21.3	0	0	0.36	GI056	ST21

GI056	TC.. 1102..

ST21	5513 020-03	0.8	M 2.5	6.5	PT-8001

STJC(RL) EXT

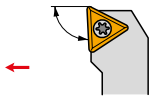
P M K N S H

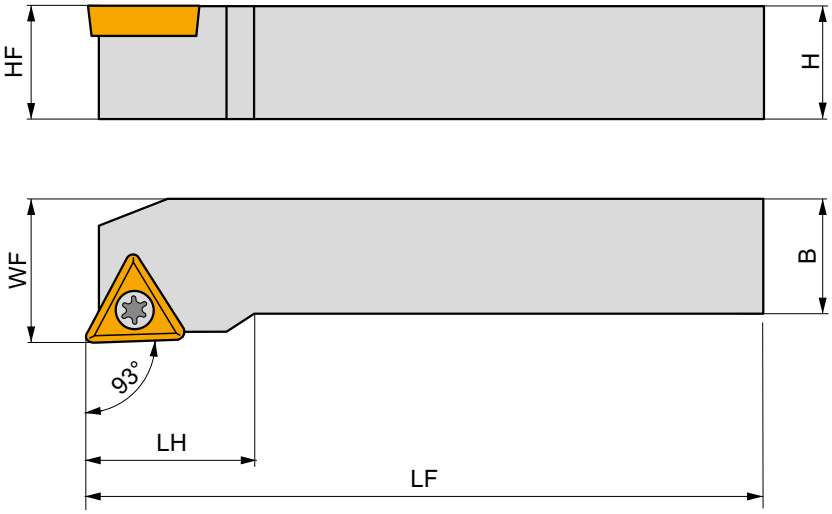
PRAMET

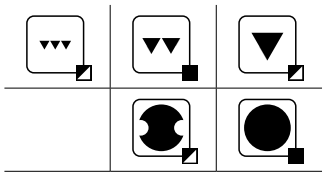
S

Portaherramientas de Exterior con Fijación por Tornillo, a 93°, para Plaquitas TC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas TC.. 11 a 16. Adecuado para torneado longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de 16x16 hasta 25x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**STJCR 1616 H 11**	16	16	16	20	100	18	0	0	0.23	GI056	S01
	STJCR 2020 K 16-M-A	20	20	20	25	125	25	0	0	0.44	GI016	ST10
	STJCR 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.76	GI016	ST10
L	**STJCL 1616 H 11**	16	16	16	20	100	18	0	0	0.22	GI056	S01
	STJCL 2020 K 16-M-A	20	20	20	25	125	25	0	0	0.43	GI016	ST10
	STJCL 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.75	GI016	ST10

GI016	TC.. 16T3..
GI056	TC.. 1102..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
ST10	US 3510-T15P	3.0	M 3.5	10.6	STN 160308	MS 3510	FLAG T15P	HXK 3.5

STFC(RL) INT

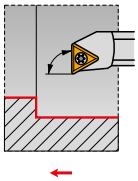
P M K N S H

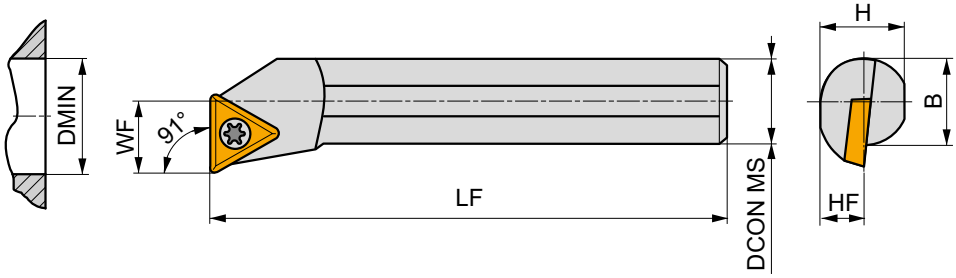
PRAMET

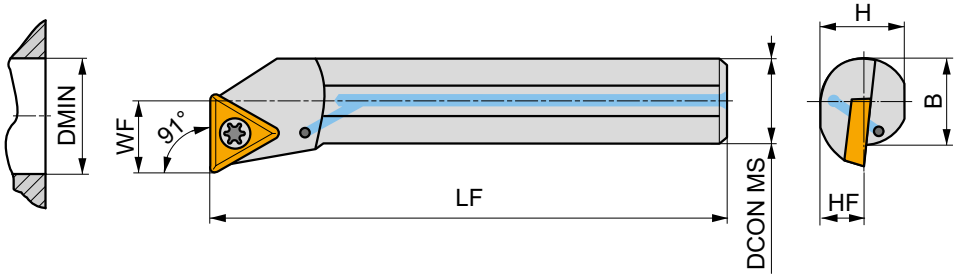
S

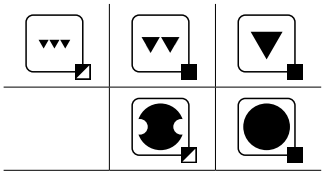
Portaherramientas de Interior con Fijación por Tornillo, a 91°, para Plaquitas TC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 91° para plaquitas positivas TC.. 06 a 16. Agujero mínimo de Ø8,5 mm. Para torneado interior longitudinal con escuadra y achaflanado. Disponible con mangos de Ø6 a Ø32. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A06F-STFCR 06	6	8.5	4.5	5	–	80	-12	0	✓	0.03	GI217	ST12
	A08H-STFCR 06	8	11	5.9	7	–	100	-10	0	✓	0.04	GI217	ST13
	A10K-STFCR 09	10	13	7	9	–	125	-9	0	✓	0.06	GI218	ST14
	A12M-STFCR 09	12	16	9	11	–	150	-6.5	0	✓	0.12	GI218	ST14
	S10H-STFCR 11	10	13	7	9	9.5	100	-10	0	–	0.08	GI056	S02
	A12M-STFCR 11	12	16	9	11	11.5	150	-10	0	✓	0.14	GI056	S01
	S12K-STFCR 11	12	16	9	11	11.5	125	-7	0	–	0.13	GI056	S01
	A16R-STFCR 11	16	20	11	14.5	15	200	-7	0	✓	0.27	GI056	S01
	S16M-STFCR 11	16	20	11	14.5	15	150	-7	0	–	0.24	GI056	S01
	A20S-STFCR 11	20	25	13	18	18.5	250	-7	0	✓	0.54	GI056	S01
	S20Q-STFCR 11	20	25	13	18	18.5	180	-7	0	–	0.40	GI056	S01
	A25R-STFCR 16	25	32	17	23	23	200	-3	0	✓	0.67	GI016	S08
	S25T-STFCR 16	25	32	17	23	23	300	-3	0	–	1.15	GI016	S08
	A32S-STFCR 16	32	40	22	30	30	250	-10	0	✓	1.36	GI016	ST10
	S32U-STFCR 16-A	32	40	22	30	30	350	-10	0	–	2.10	GI016	ST10
L	A06F-STFCL 06	6	8.5	4.5	5	–	80	-12	0	✓	0.03	GI217	ST12
	A08H-STFCL 06	8	11	5.9	7	–	100	-10	0	✓	0.05	GI217	ST13
	A10K-STFCL 09	10	13	7	9	–	125	-9	0	✓	0.06	GI218	ST14
	A12M-STFCL 09	12	16	9	11	–	150	-6.5	0	✓	0.03	GI218	ST14
	S10H-STFCL 11	10	13	7	9	9.5	100	-10	0	–	0.06	GI056	S02
	A12M-STFCL 11	12	16	9	11	11.5	150	-10	0	✓	0.12	GI056	S01
	S12K-STFCL 11	12	16	9	11	11.5	125	-7	0	–	0.12	GI056	S01
	A16R-STFCL 11	16	20	11	14.5	15	200	-7	0	✓	0.00	GI056	S01
	S16M-STFCL 11	16	20	11	14.5	15	150	-7	0	–	0.25	GI056	S01
	A20S-STFCL 11	20	25	13	18	18.5	250	-7	0	✓	0.00	GI056	S01
	S20Q-STFCL 11	20	25	13	18	18.5	180	-7	0	–	0.42	GI056	S01
	A25R-STFCL 16	25	32	17	23	23	200	-3	0	✓	0.00	GI016	S08

	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
L	**S25T-STFCL 16**	25	32	17	23	23	300	-3	0	–	1.15	GI016	S08
	A32S-STFCL 16	32	40	22	30	30	250	-10	0	✓	1.36	GI016	ST10
	S32U-STFCL 16-A	32	40	22	30	30	350	-10	0	–	2.06	GI016	ST10

GI016	TC.. 16T3..
GI056	TC.. 1102..
GI217	TC.. 06T1..
GI218	TC.. 0902..

		Nm							
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–	–
S02	US 2505-T07P	0.9	M 2.5	5.2	–	–	FLAG T07P	–	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	–
ST10	US 3510-T15P	3.0	M 3.5	10.6	STN 160308	MS 3510	FLAG T15P	HXK 3.5	–
ST12	5513 020-28	0.6	M 2	4.2	–	–	–	–	PT-8000
ST13	5513 020-27	0.6	M 2	4.9	–	–	–	–	PT-8000
ST14	5513 020-05	0.8	M 2.2	6.4	–	–	–	–	PT-8001

STFC(RL)-E INT

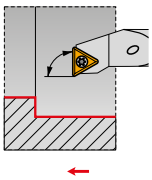
P M K N S H

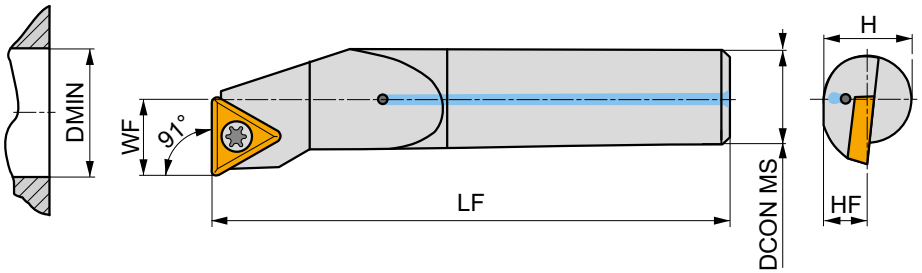
PRAMET

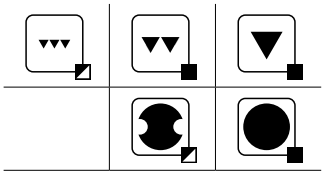
S

Portaherramientas de Interior de Metal Duro con Fijación por Tornillo, a 91°, para Plaquitas TC..

Portaherramientas de interior a derecha o izquierda de metal duro con fijación por tornillo, refrigeración interna y ángulo de posición de 91° para plaquitas positivas TC.. de 06 hasta 11. Agujero mínimo de Ø8,5 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø6 hasta Ø16. Para voladizo > 3xD.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	E06H-STFCR 06-R	6	8.5	4.5	6	3	100	-10	0	✓	0.05	GI217	ST22
	E08K-STFCR 06-R	8	11	5.9	8	4	125	-10	0	✓	0.09	GI217	ST23
	E10M-STFCR 09-R	10	13	7	10	5	150	-8	0	✓	0.15	GI218	ST24
	E12Q-STFCR 09-R	12	16	9	12	6	180	-6	0	✓	0.26	GI218	ST24
	E16R-STFCR 11-R	16	20	11	16	8	200	-5	0	✓	0.48	GI056	ST21
L	E06H-STFCL 06-R	6	8.5	4.5	6	3	100	-10	0	✓	0.05	GI217	ST22
	E08K-STFCL 06-R	8	11	5.9	8	4	125	-10	0	✓	0.09	GI217	ST23
	E10M-STFCL 09-R	10	13	7	10	5	150	-8	0	✓	0.15	GI218	ST24
	E12Q-STFCL 09-R	12	16	9	12	6	180	-6	0	✓	0.26	GI218	ST24
	E16R-STFCL 11-R	16	20	11	16	8	200	-5	0	✓	0.48	GI056	ST21

GI056	TC.. 1102..
GI217	TC.. 06T1..
GI218	TC.. 0902..

		Nm			
ST21	5513 020-03	0.8	M 2.5	6.5	PT-8001
ST22	5513 020-28	0.6	M 2	4.2	PT-8000
ST23	5513 020-27	0.6	M 2	4.9	PT-8000
ST24	5513 020-05	0.8	M 2.2	6.4	PT-8001

TP

09/ 11/ 16

PLAQUITAS DE METAL DURO

TPGX

162

TPMR

163

TPUN

164

PLAQUITAS CER

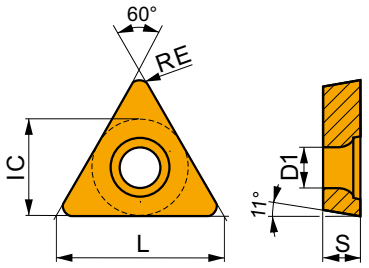
TPGN CER

164

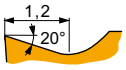
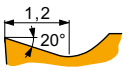
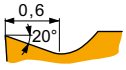
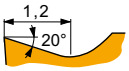
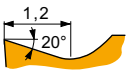
TPGX

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0902	5.560	2.50	9.60	2.38
1102	6.350	2.80	11.00	2.38
16T3	9.525	4.40	16.50	3.97



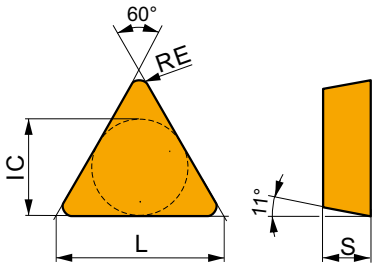
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			F																	
Geometría FR-JQ con diseño positivo a derecha para operaciones de acabado fino con corte contínuo.																				
TPGX 110204FR-JQ	**TT010**	0.4	■ 295	0.06	0.5	◪ 175	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			F																	
Geometría FL-JQ con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																				
TPGX 090204FL-JQ	**TT010**	0.4	■ 295	0.06	0.5	◪ 175	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
TPGX 110204FL-JQ	**TT010**	0.4	■ 295	0.06	0.5	◪ 175	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			F																	
Geometría FL-JR con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																				
TPGX 16T304FL-JR	**TT010**	0.4	■ 295	0.06	0.5	◪ 175	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			F																	
Geometría FR-JZ con diseño positivo a derecha para operaciones de acabado fino con corte contínuo.																				
TPGX 090202FR-JZ	**TT010**	0.2	■ 280	0.06	0.5	◪ 165	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			F																	
Geometría FL-JZ con diseño positivo a izquierda para operaciones de acabado fino con corte contínuo.																				
TPGX 090202FL-JZ	**TT010**	0.2	■ 280	0.06	0.5	◪ 165	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–

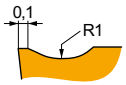
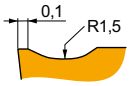
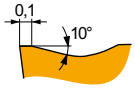
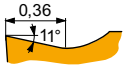
TPMR

PRAMET

	IC (mm)	L (mm)	S (mm)
1103	6.350	11.00	3.18
1603	9.525	16.50	3.18



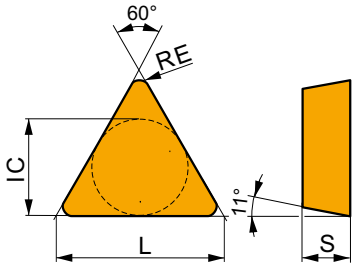
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría 46 para acabado y acabado fino con corte contínuo a interrumpido.																	
TPMR 110304E-46	**6640**	0.4	■ 140	0.15	1.0	◪ 80	0.14	1.0	■ 130	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 175	0.15	1.0	◪ 105	0.15	1.0	◪ 165	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 150	0.15	1.0	◪ 90	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
TPMR 110308E-46	**6640**	0.8	■ 170	0.15	1.0	◪ 100	0.14	1.0	■ 160	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 205	0.15	1.0	◪ 120	0.15	1.0	◪ 190	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 180	0.15	1.0	◪ 105	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría 47 para acabado a semi-desbaste con corte contínuo a interrumpido.																	
TPMR 160304E-47	**6640**	0.4	■ 120	0.20	1.5	◪ 70	0.18	1.5	■ 110	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 150	0.20	1.5	◪ 90	0.18	1.5	◪ 140	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 125	0.20	1.5	◪ 75	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
TPMR 160308E-47	**6640**	0.8	■ 140	0.20	1.5	◪ 80	0.18	1.5	■ 130	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 175	0.20	1.5	◪ 105	0.18	1.5	◪ 165	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 150	0.20	1.5	◪ 90	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
TPMR 160312E-47	**T9325**	1.2	■ 185	0.20	1.5	◪ 110	0.18	1.5	◪ 175	0.20	1.5	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 160	0.20	1.5	◪ 95	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría 61 para acabado con avances y profundidades de corte moderados con corte contínuo a interrumpido.																	
TPMR 160308E-61	**T9325**	0.8	■ 135	0.35	1.8	◪ 80	0.32	1.8	◪ 125	0.35	1.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 120	0.35	1.8	◪ 70	0.32	1.8	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría PF2 para acabado y acabado fino con corte contínuo.																	
TPMR 110304-PF2	**TT010**	0.4	■ 255	0.10	0.5	◪ 150	0.10	0.5	–	–	–	–	–	–	–	–	–	–	–	–
TPMR 160304-PF2	**TT010**	0.4	■ 255	0.10	0.5	◪ 150	0.10	0.5	–	–	–	–	–	–	–	–	–	–	–	–

TPUN

PRAMET

	IC (mm)	L (mm)	S (mm)
1103	6.350	11.00	3.18
1603	9.525	16.50	3.18
2204	12.700	22.00	4.76
2706	15.875	27.50	6.35
3306	19.050	33.00	6.35



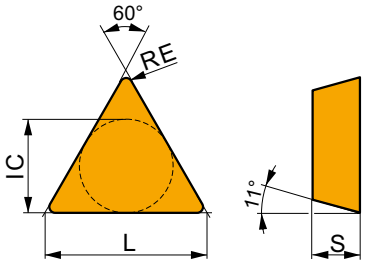
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc	M f	M ap	K vc	K f	K ap	N vc	N f	N ap	S vc	S f	S ap	H vc	H f	H ap
			E																	
Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
TPUN 110304	**6640**	0.4	135	0.10	1.2	–	–	–	125	0.10	1.2	–	–	–	–	–	–	–	–	–
TPUN 110308	**6640**	0.8	125	0.18	1.2	–	–	–	115	0.18	1.2	–	–	–	–	–	–	–	–	–
TPUN 160304	**6640**	0.4	135	0.10	1.5	–	–	–	125	0.10	1.5	–	–	–	–	–	–	–	–	–
TPUN 160308	**6640**	0.8	125	0.18	1.5	–	–	–	115	0.18	1.5	–	–	–	–	–	–	–	–	–
TPUN 160312	**6640**	1.2	125	0.20	1.5	–	–	–	115	0.20	1.5	–	–	–	–	–	–	–	–	–
TPUN 220408	**6640**	0.8	120	0.18	2.0	–	–	–	110	0.18	2.0	–	–	–	–	–	–	–	–	–
TPUN 220412	**6640**	1.2	120	0.20	2.0	–	–	–	110	0.20	2.0	–	–	–	–	–	–	–	–	–
			S																	
Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
TPUN 270616S	**6640**	1.6	60	0.30	7.0	–	–	–	55	0.30	7.0	–	–	–	–	–	–	–	–	–
TPUN 330620S	**6640**	2.0	65	0.30	5.0	–	–	–	60	0.30	5.0	–	–	–	–	–	–	–	–	–

TPGN CER

PRAMET

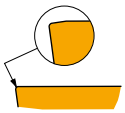
	IC (mm)	L (mm)	S (mm)
1103	6.350	11.00	3.18
1603	9.525	16.50	3.18



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc	M f	M ap	K vc	K f	K ap	N vc	N f	N ap	S vc	S f	S ap	H vc	H f	H ap
			HSC		T															
Para mecanizado con altas velocidades y corte contínuo.																				
TPGN 110304 T01020	**TC100**	0.4	–	–	–	–	–	–	460	0.10	1.5	–	–	–	–	–	–	–	–	–
TPGN 110308 T01020	**TC100**	0.8	–	–	–	–	–	–	425	0.20	1.5	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		T															
			Para mecanizado con altas velocidades y corte contínuo.																	
TPGN 160304 T01020	**TC100**	0.4	–	–	–	–	–	–	460	0.10	1.5	–	–	–	–	–	–	–	–	–
TPGN 160308 T01020	**TC100**	0.8	–	–	–	–	–	–	425	0.20	1.5	–	–	–	–	–	–	–	–	–
TPGN 160312 T01020	**TC100**	1.2	–	–	–	–	–	–	450	0.20	1.5	–	–	–	–	–	–	–	–	–

VB

PLAQUITAS DE METAL DURO

VBMT

168

PLAQUITAS CBN

VBGW CBN

171

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
VBMT **16**0408E-FM	SVHCR 2020 K **16-M**-A

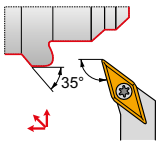
TORNEADO ISO - EXTERIOR

SVHB(C)(RL) EXT

107°30´

VB, VC..

11
16



16×16
25×25

172

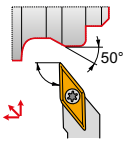
168 – 171
186 – 192

SVJB(C)(RL) EXT

93°

VB, VC..

11
13
16



12×12
32×25

173

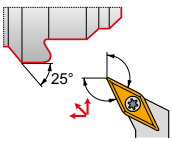
168 – 171
186 – 192

SVPB(C)(RL) EXT

117°30´

VB, VC..

11
16



16×16
32×25

174

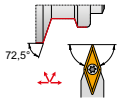
168 – 171
186 – 192

SVVB(C)N EXT

72°30´

VB, VC..

11
13
16



12×12
32×25

175

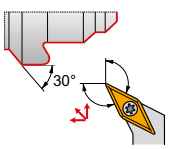
168 – 171
186 – 192

SVXB(C)(RL) EXT

98°

VB, VC..

11
13
16



12×12
32×25

176

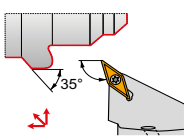
168 – 171
186 – 192

C.-SVHB(RL) EXT NEW

107°30´

VB, VC..

16



C4
C6

177

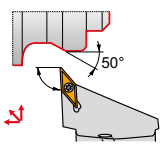
168 – 171
186 – 192

C.-SVJB(RL) EXT NEW

93°

VB, VC..

11
16



C3
C6

178

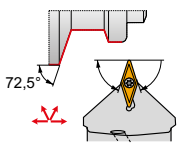
168 – 171
186 – 192

C.-SVVBN EXT NEW

72°30´

VB, VC..

16



C4
C6

179

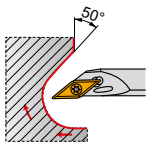
168 – 171
186 – 192

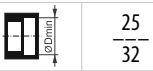
VB

TORNEADO ISO - INTERIOR

SVJB(RL) INT

93°





180

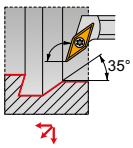
VB, VC..

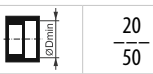
11

168 – 171
186 – 192

SVQB(C)(RL) INT

107°30´





181

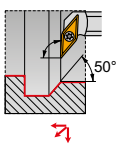
VB, VC..

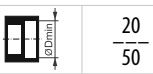
11
13
16

168 – 171
186 – 192

SVUB(C)(RL) INT

93°





182

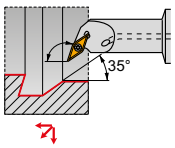
VB, VC..

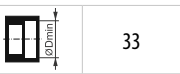
11
13
16

168 – 171
186 – 192

C.-SVQB(C)(RL) INT NEW

108°





183

VB, VC..

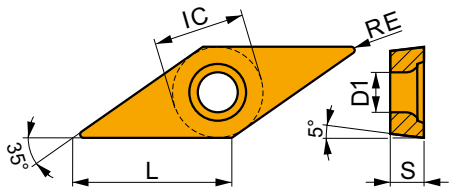
16

168 – 171
186 – 192

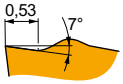
VBMT

PRAMET

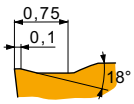
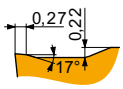
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1102	6.350	2.80	11.10	2.38
1103	6.350	2.80	11.10	3.18
1604	9.525	4.40	16.60	4.76



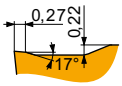
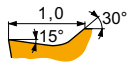
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
VBMT 160404E-FF2	**T7325**	0.4	145	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	125	0.12	0.8	–	–	–	115	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	150	0.12	0.8	–	–	–	125	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	215	0.12	0.8	–	–	–	200	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.12	0.8	–	–	–	180	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	160	0.12	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
VBMT 110302E-FM	**T7325**	0.2	160	0.10	0.8	120	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.2	145	0.10	0.8	85	0.09	0.8	135	0.10	0.8	435	0.12	0.8	–	–	–	–	–	–
	T8330	0.2	135	0.10	0.8	80	0.09	0.8	125	0.10	0.8	405	0.12	0.8	–	–	–	–	–	–
	T8430	0.2	170	0.10	0.8	90	0.09	0.8	135	0.10	0.8	465	0.12	0.8	–	–	–	–	–	–
	T9325	0.2	210	0.10	0.8	125	0.09	0.8	195	0.10	0.8	–	–	–	–	–	–	–	–	–
VBMT 110304E-FM	**T7325**	0.4	140	0.19	0.8	105	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	135	0.19	0.8	105	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	145	0.12	0.8	85	0.11	0.8	135	0.12	0.8	435	0.14	0.8	–	–	–	–	–	–
	T8330	0.4	140	0.12	0.8	80	0.11	0.8	130	0.12	0.8	420	0.14	0.8	–	–	–	–	–	–
	T8430	0.4	170	0.12	0.8	90	0.11	0.8	135	0.12	0.8	465	0.14	0.8	–	–	–	–	–	–
	T9315	0.4	235	0.12	0.8	–	–	–	220	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	175	0.19	0.8	105	0.17	0.8	165	0.19	0.8	–	–	–	–	–	–	–	–	–
VBMT 110308E-FM	**T7325**	0.8	170	0.17	0.8	130	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	150	0.17	0.8	90	0.15	0.8	140	0.17	0.8	450	0.20	0.8	–	–	–	–	–	–
	T8430	0.8	175	0.17	0.8	95	0.15	0.8	140	0.17	0.8	480	0.20	0.8	–	–	–	–	–	–
	T9315	0.8	240	0.17	0.8	–	–	–	225	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	215	0.17	0.8	125	0.15	0.8	200	0.17	0.8	–	–	–	–	–	–	–	–	–
VBMT 160402E-FM	**T7325**	0.2	150	0.10	1.2	115	0.09	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	1.2	75	0.09	1.2	120	0.10	1.2	390	0.12	1.2	–	–	–	–	–	–
	T8430	0.2	165	0.10	1.2	90	0.09	1.2	135	0.10	1.2	450	0.12	1.2	–	–	–	–	–	–
	T9315	0.2	230	0.10	1.2	–	–	–	215	0.10	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.2	205	0.10	1.2	120	0.09	1.2	190	0.10	1.2	–	–	–	–	–	–	–	–	–
VBMT 160404E-FM	**T5315**	0.4	225	0.12	1.2	–	–	–	210	0.12	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.4	130	0.19	1.2	100	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	130	0.19	1.2	100	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	140	0.12	1.2	80	0.11	1.2	130	0.12	1.2	420	0.14	1.2	–	–	–	–	–	–
	T8330	0.4	135	0.12	1.2	80	0.11	1.2	125	0.12	1.2	405	0.14	1.2	–	–	–	–	–	–
	T8430	0.4	165	0.12	1.2	90	0.11	1.2	135	0.12	1.2	450	0.14	1.2	–	–	–	–	–	–
	T9315	0.4	225	0.12	1.2	–	–	–	210	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	165	0.19	1.2	95	0.17	1.2	155	0.19	1.2	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
VBMT 160408E-FM	**T5315**	0.8	◪ 235	0.17	1.2	–	–	–	◪ 220	0.17	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	◪ 165	0.17	1.2	■ 125	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	◪ 160	0.17	1.2	■ 120	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	◪ 150	0.17	1.2	■ 90	0.15	1.2	◪ 140	0.17	1.2	◪ 450	0.20	1.2	–	–	–	–	–	–
	T8330	0.8	■ 145	0.17	1.2	■ 85	0.15	1.2	◪ 135	0.17	1.2	◪ 435	0.20	1.2	–	–	–	–	–	–
	T8430	0.8	■ 170	0.17	1.2	■ 90	0.15	1.2	◪ 135	0.17	1.2	◪ 465	0.20	1.2	–	–	–	–	–	–
	T9310	0.8	■ 255	0.17	1.2	–	–	–	◪ 240	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 230	0.17	1.2	–	–	–	◪ 215	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 205	0.17	1.2	■ 120	0.15	1.2	◪ 190	0.17	1.2	–	–	–	–	–	–	–	–	–
VBMT 160412E-FM	**T7325**	1.2	◪ 160	0.22	1.2	■ 120	0.22	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	■ 140	0.22	1.2	■ 80	0.22	1.2	◪ 130	0.22	1.2	◪ 420	0.26	1.2	–	–	–	–	–	–
	T8430	1.2	■ 155	0.22	1.2	■ 85	0.22	1.2	◪ 130	0.22	1.2	◪ 435	0.26	1.2	–	–	–	–	–	–
	T9315	1.2	■ 215	0.22	1.2	–	–	–	◪ 200	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 195	0.22	1.2	■ 115	0.22	1.2	◪ 185	0.22	1.2	–	–	–	–	–	–	–	–	–
																				
Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																				
VBMT 160404E-FM2	**T6310**	0.4	■ 120	0.12	1.2	◪ 85	0.11	1.2	■ 95	0.12	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.4	◪ 140	0.12	1.2	◪ 105	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 125	0.12	1.2	◪ 75	0.11	1.2	■ 115	0.12	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 145	0.12	1.2	◪ 80	0.11	1.2	◪ 120	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 200	0.12	1.2	–	–	–	◪ 190	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 185	0.12	1.2	◪ 110	0.11	1.2	◪ 175	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 155	0.12	1.2	◪ 90	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160408E-FM2	**T6310**	0.8	■ 125	0.20	1.2	◪ 90	0.18	1.2	■ 100	0.20	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	◪ 145	0.20	1.2	◪ 110	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 125	0.20	1.2	◪ 75	0.18	1.2	■ 115	0.20	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 140	0.20	1.2	◪ 75	0.18	1.2	◪ 115	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 195	0.20	1.2	–	–	–	◪ 185	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 175	0.20	1.2	◪ 105	0.18	1.2	◪ 165	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 150	0.20	1.2	◪ 90	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160412E-FM2	**T8430**	1.2	■ 145	0.22	1.2	◪ 80	0.20	1.2	◪ 120	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9315	1.2	■ 195	0.22	1.2	–	–	–	◪ 185	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 175	0.22	1.2	◪ 105	0.20	1.2	◪ 165	0.22	1.2	–	–	–	–	–	–	–	–	–
																				
Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
VBMT 160404E-RM	**T5305**	0.4	◪ 270	0.12	1.2	–	–	–	■ 255	0.12	1.2	–	–	–	–	–	–	◪ 50	0.15	1.0
	T5315	0.4	◪ 235	0.12	1.2	–	–	–	■ 220	0.12	1.2	–	–	–	–	–	–	◪ 45	0.15	1.0
	T7335	0.4	◪ 140	0.18	1.2	■ 105	0.16	1.2	–	–	–	–	–	–	◪ 45	0.16	1.0	–	–	–
	T8330	0.4	■ 140	0.12	1.2	■ 80	0.11	1.2	■ 130	0.12	1.2	–	–	–	◪ 35	0.11	1.0	◪ 25	0.15	1.0
	T8430	0.4	■ 170	0.12	1.2	■ 90	0.11	1.2	◪ 135	0.12	1.2	–	–	–	◪ 35	0.11	1.0	◪ 25	0.15	1.0
	T9315	0.4	■ 235	0.12	1.2	–	–	–	◪ 220	0.12	1.2	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	0.4	■ 170	0.20	1.2	■ 100	0.18	1.2	◪ 160	0.20	1.2	–	–	–	◪ 35	0.18	1.0	–	–	–
VBMT 160408E-RM	**T5305**	0.8	◪ 285	0.17	1.2	–	–	–	■ 270	0.17	1.2	–	–	–	–	–	–	◪ 55	0.15	1.0
	T5315	0.8	◪ 250	0.17	1.2	–	–	–	■ 235	0.17	1.2	–	–	–	–	–	–	◪ 50	0.15	1.0
	T7335	0.8	◪ 155	0.20	1.2	■ 120	0.18	1.2	–	–	–	–	–	–	◪ 50	0.18	1.0	–	–	–
	T8330	0.8	■ 150	0.17	1.2	■ 90	0.15	1.2	■ 140	0.17	1.2	–	–	–	◪ 35	0.12	1.0	◪ 30	0.15	1.0
	T8430	0.8	■ 175	0.17	1.2	■ 95	0.15	1.2	◪ 140	0.17	1.2	–	–	–	◪ 35	0.12	1.0	◪ 30	0.15	1.0
	T9315	0.8	■ 240	0.17	1.2	–	–	–	◪ 225	0.17	1.2	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	0.8	■ 200	0.20	1.2	■ 120	0.18	1.2	◪ 190	0.20	1.2	–	–	–	◪ 45	0.18	1.0	–	–	–

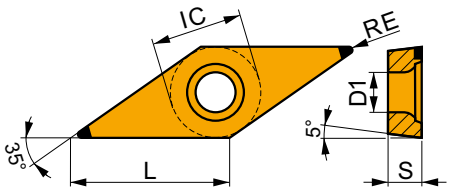
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
VBMT 160412E-RM	**T7335**	1.2	150	0.27	1.2	115	0.24	1.2	–	–	–	–	–	–	45	0.19	1.0	–	–	–
	T8330	1.2	140	0.27	1.2	80	0.24	1.2	130	0.27	1.2	–	–	–	35	0.19	1.0	25	0.15	1.0
	T8430	1.2	155	0.27	1.2	85	0.24	1.2	130	0.27	1.2	–	–	–	30	0.19	1.0	25	0.15	1.0
	T9315	1.2	210	0.27	1.2	–	–	–	195	0.27	1.2	–	–	–	–	–	–	40	0.15	1.0
	T9325	1.2	185	0.27	1.2	110	0.24	1.2	175	0.27	1.2	–	–	–	40	0.19	1.0	–	–	–
																				
			Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
VBMT 110202E-UR	**TT310**	0.2	195	0.10	0.8	115	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 110204E-UR	**T7325**	0.4	120	0.19	0.8	90	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	120	0.12	0.8	70	0.11	0.8	110	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	145	0.12	0.8	80	0.11	0.8	120	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	200	0.12	0.8	–	–	–	190	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	150	0.19	0.8	90	0.17	0.8	140	0.19	0.8	–	–	–	–	–	–	–	–	–
	TT310	0.4	195	0.12	0.8	115	0.11	0.8	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160402E-UR	**T8330**	0.2	115	0.10	1.2	65	0.09	1.2	105	0.10	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.2	140	0.10	1.2	75	0.09	1.2	115	0.10	1.2	–	–	–	–	–	–	–	–	–
VBMT 160404E-UR	**T5315**	0.4	195	0.12	1.2	–	–	–	185	0.12	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.4	115	0.19	1.2	85	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	115	0.12	1.2	65	0.11	1.2	105	0.12	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	140	0.12	1.2	75	0.11	1.2	115	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9310	0.4	215	0.12	1.2	–	–	–	200	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	190	0.12	1.2	–	–	–	180	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	145	0.18	1.2	85	0.16	1.2	135	0.18	1.2	–	–	–	–	–	–	–	–	–
	TT310	0.4	185	0.12	1.2	110	0.11	1.2	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160408E-UR	**T5315**	0.8	205	0.17	1.2	–	–	–	190	0.17	1.2	–	–	–	–	–	–	–	–	–
	T7325	0.8	140	0.17	1.2	105	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	125	0.17	1.2	75	0.15	1.2	115	0.17	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	145	0.17	1.2	80	0.15	1.2	120	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9310	0.8	220	0.17	1.2	–	–	–	205	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	200	0.17	1.2	–	–	–	190	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	180	0.17	1.2	105	0.15	1.2	170	0.17	1.2	–	–	–	–	–	–	–	–	–
	TT310	0.8	200	0.17	1.2	120	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
VBMT 160412E-UR	**T7325**	1.2	135	0.22	1.2	105	0.20	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	120	0.22	1.2	70	0.20	1.2	110	0.22	1.2	–	–	–	–	–	–	–	–	–
	T8430	1.2	135	0.22	1.2	75	0.20	1.2	110	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9310	1.2	205	0.22	1.2	–	–	–	190	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9315	1.2	185	0.22	1.2	–	–	–	175	0.22	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	170	0.22	1.2	100	0.20	1.2	160	0.22	1.2	–	–	–	–	–	–	–	–	–

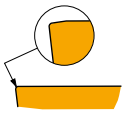
VBGW CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	4.50	16.00	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		S															
			Para acabado con corte contínuo.																	
VBGW 160404S01020B	**TB310**	0.4	–	–	–	–	–	–	340	0.10	0.4	–	–	–	90	0.07	0.3	70	0.15	1.0
VBGW 160408S01020B	**TB310**	0.8	–	–	–	–	–	–	350	0.15	0.6	–	–	–	90	0.11	0.5	70	0.15	1.0

SVHB(C)(RL) EXT

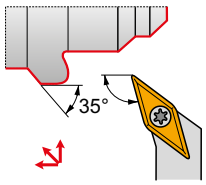
P M K N S H

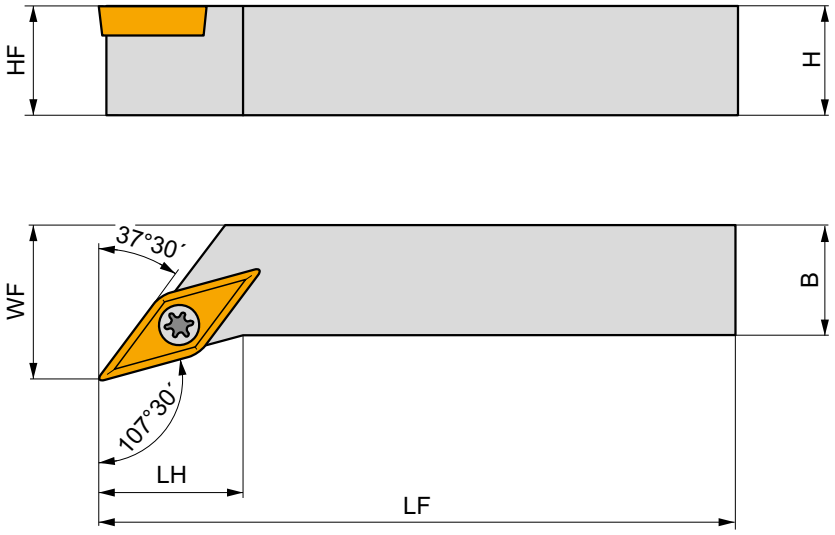
PRAMET

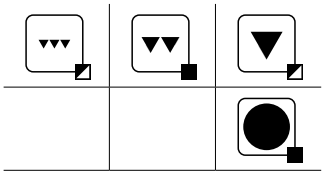
S

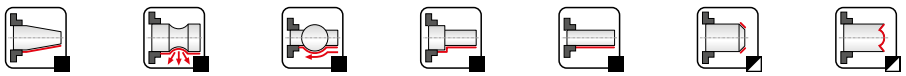
Portaherramientas de Exterior con Fijación por Tornillo, a 107,5°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 o 16. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono, copiado axial y radial hasta 35° y achaflanado. Disponible con mangos de 16x16 hasta 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**SVHBR 1616 H 11**	16	16	16	20	100	14	0	0	0.21	GI194	S01
	SVHCR 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.40	GI017	SV10
	SVHCR 2525 M 16-M-A	25	25	25	32	150	20	0	0	0.68	GI017	SV10
L	**SVHBL 1616 H 11**	16	16	16	20	100	14	0	0	0.19	GI194	S01
	SVHCL 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.40	GI017	SV10
	SVHCL 2525 M 16-M-A	25	25	25	32	150	20	0	0	0.07	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5

SVJB(C)(RL) EXT

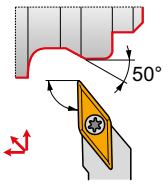
P M K N S H

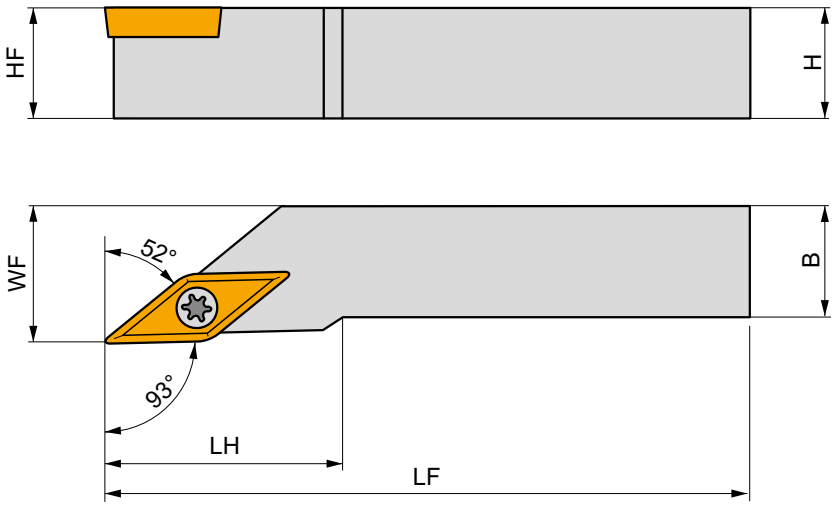
PRAMET

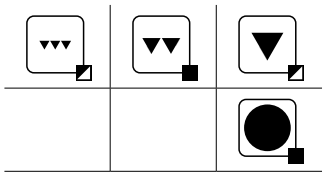
S

Portaherramientas de Exterior con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 hasta 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 50° y achaflanado. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SVJBR 1212 F 11	12	12	12	16	80	20	0	0	0.09	GI194	S01
	SVJBR 1616 H 11	16	16	16	20	100	20	0	0	0.20	GI194	S01
	SVJCR 1212 N 13	12	12	12	16	160	27	0	0	0.19	GI211	SV21
	SVJCR 1616 H 13	16	16	16	20	100	30	0	0	0.20	GI211	SV21
	SVJCR 2020 K 13	20	20	20	25	125	30	0	0	0.37	GI211	SV22
	SVJCR 2525 M 13	25	25	25	32	150	30	0	0	0.67	GI211	SV22
	SVJCR 2020 K 16-M-A	20	20	20	25	125	28	0	0	0.35	GI017	SV10
	SVJCR 2525 M 16-M-A	25	25	25	32	150	32	0	0	0.68	GI017	SV10
	SVJCR 3225 P 16-M-A	32	25	32	32	170	32	0	0	0.99	GI017	SV10
L	SVJBL 1212 F 11	12	12	12	16	80	20	0	0	0.09	GI194	S01
	SVJBL 1616 H 11	16	16	16	20	100	20	0	0	0.19	GI194	S01
	SVJCL 1212 N 13	12	12	12	16	160	27	0	0	0.19	GI211	SV21
	SVJCL 1616 H 13	16	16	16	20	100	30	0	0	0.20	GI211	SV21
	SVJCL 2020 K 13	20	20	20	25	125	30	0	0	0.37	GI211	SV22
	SVJCL 2525 M 13	25	25	25	32	150	30	0	0	0.67	GI211	SV22
	SVJCL 2020 K 16-M-A	20	20	20	25	125	28	0	0	0.40	GI017	SV10
	SVJCL 2525 M 16-M-A	25	25	25	32	150	32	0	0	0.70	GI017	SV10
	SVJCL 3225 P 16-M-A	32	25	32	32	170	32	0	0	0.99	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

SVPB(C)(RL) EXT

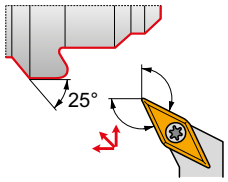
P M K N S H

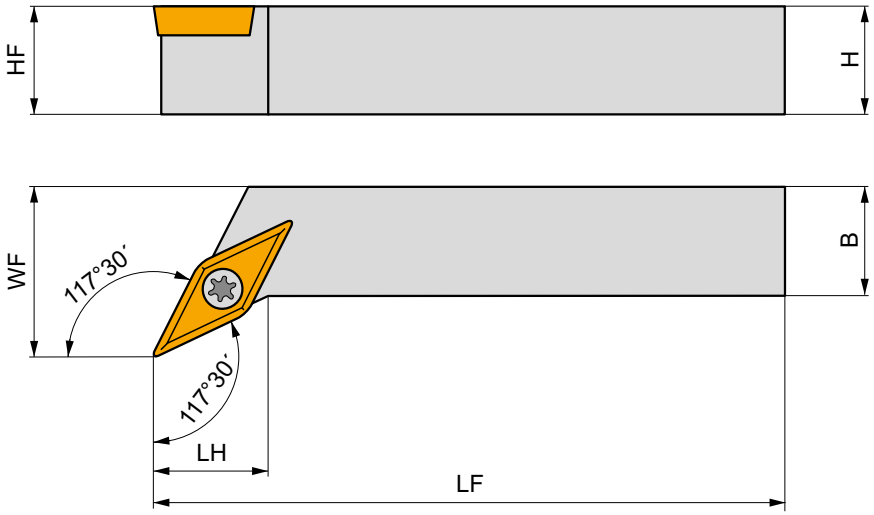
PRAMET

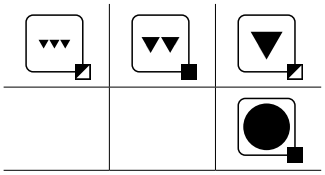
S

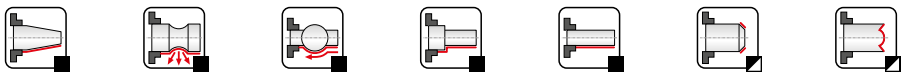
Portaherramientas de Exterior con Fijación por Tornillo, a 117,5°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 o 16. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono, refrentado en copia hasta 25° y achaflanado. Disponible con mangos de 16x16 hasta 32x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SVPBR 1616 H 11	16	16	16	20	100	12	0	0	0.20	GI194	S01
	SVPBR 2020 K 11	20	20	20	25	125	12	0	0	0.41	GI194	S01
	SVPCR 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.40	GI017	SV10
	SVPCR 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.75	GI017	SV10
	SVPCR 3225 P 16-M-A	32	25	32	32	170	25	0	0	1.10	GI017	SV10
L	SVPBL 1616 H 11	16	16	16	20	100	12	0	0	0.20	GI194	S01
	SVPBL 2020 K 11	20	20	20	25	125	12	0	0	0.39	GI194	S01
	SVPCL 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.70	GI017	SV10
	SVPCL 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.70	GI017	SV10
	SVPCL 3225 P 16-M-A	32	25	32	32	170	25	0	0	1.10	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5

SVVB(C)N EXT

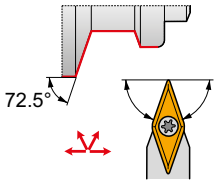
P M K N S H

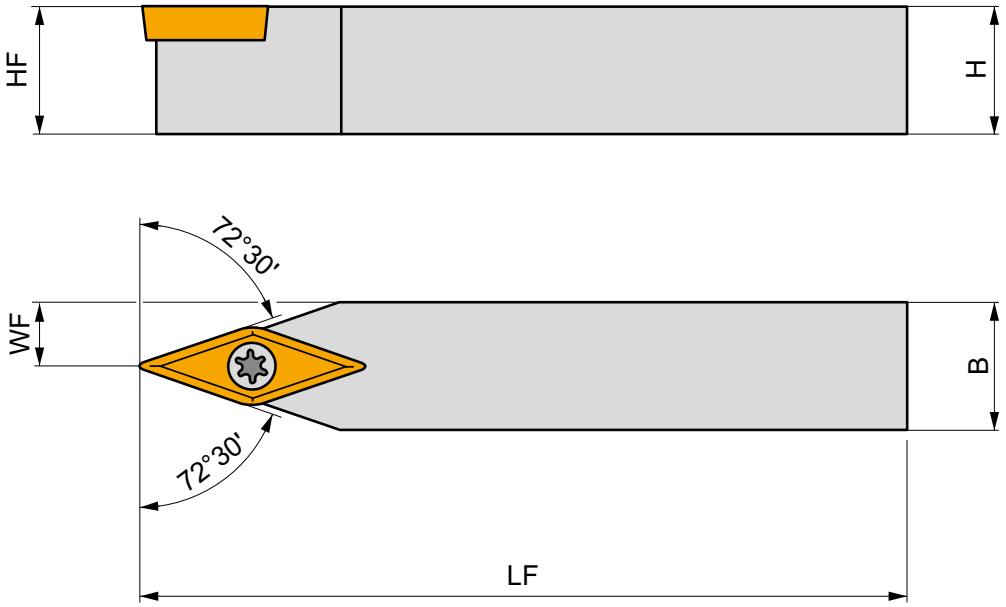
PRAMET

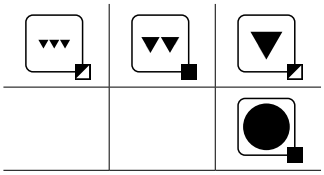
S

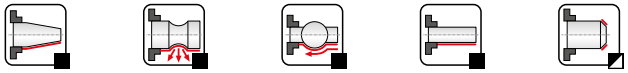
Portaherramientas de Exterior con Fijación por Tornillo, a 72,5°, para Plaquitas VB/VC..

Portaherramientas de exterior neutro con fijación por tornillo para plaquitas positivas VB.. de 11 o 16 y VC.. de 11 hasta 16. Adecuado para torneado longitudinal sin escuadra, torneado en cono o copia hasta 72.5° y achaflanado. Disponible con mangos de 12x12 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
N	**SVVBN 1212 F 11**	12	12	12	6	80	–	0	0	0.11	GI194	S01
	SVVBN 1616 H 11	16	16	16	8	100	–	0	0	0.18	GI194	S01
	SVVBN 2020 K 11	20	20	20	10	125	–	0	0	0.38	GI194	S01
	SVVCN 1212 N 13	12	12	12	6	160	–	0	0	0.19	GI211	SV21
	SVVCN 1616 H 13	16	16	16	8	100	–	0	0	0.20	GI211	SV21
	SVVCN 2020 K 13	20	20	20	10	125	–	0	0	0.36	GI211	SV22
	SVVCN 2525 M 13	25	25	25	12.5	150	–	0	0	0.66	GI211	SV22
	SVVCN 2020 K 16-M-A	20	20	20	10	125	–	0	0	0.34	GI017	SV10
	SVVCN 2525 M 16-M-A	25	25	25	12.5	150	–	0	0	0.68	GI017	SV10
	SVVCN 3225 P 16-M-A	32	25	32	12.5	170	–	0	0	0.98	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

SVXB(C)(RL) EXT

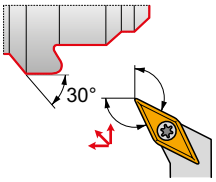
P M K N S H

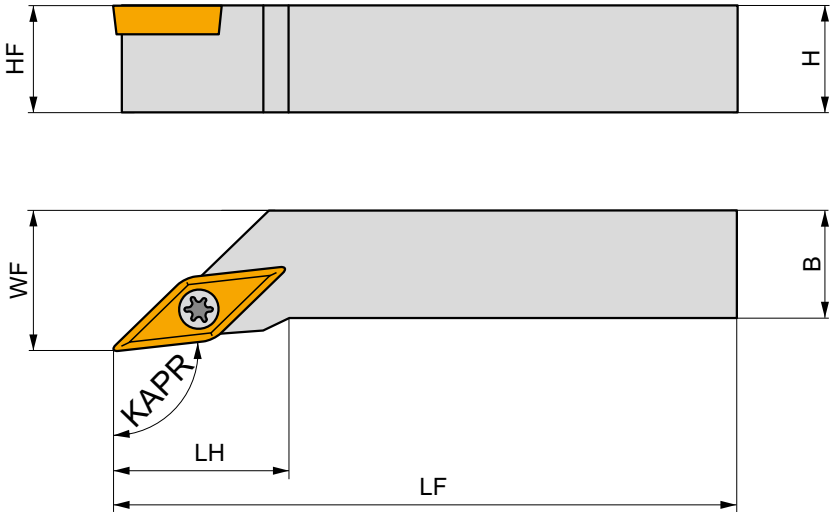
PRAMET

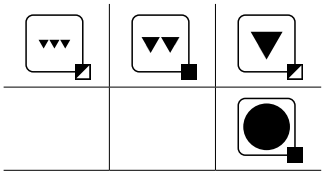
S

Portaherramientas de Exterior con Fijación por Tornillo a, 98/113°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 hasta 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 30° y achaflanado. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	KAPR (°)	LAMS (°)	GAMO (°)	kg		
R	SVXBR 1212 F 11	12	12	12	16	80	20	98	0	0	0.09	GI194	SO1
	SVXBR 1616 H 11	16	16	16	20	100	14	98	0	0	0.19	GI194	SO1
	SVXCR 2020 K 13	20	20	20	25	125	12	113	0	0	0.38	GI211	SV22
	SVXCR 2020 K 16-M-A	20	20	20	25	125	28	98	0	0	0.41	GI017	SV10
	SVXCR 2525 M 16-M-A	25	25	25	32	150	32	98	0	0	0.68	GI017	SV10
	SVXCR 3225 P 16-M-A	32	25	32	32	170	32	98	0	0	1.00	GI017	SV10
L	SVXBL 1212 F 11	12	12	12	16	80	20	98	0	0	0.09	GI194	SO1
	SVXBL 1616 H 11	16	16	16	20	100	14	98	0	0	0.19	GI194	SO1
	SVXCL 2020 K 13	20	20	20	25	125	12	113	0	0	0.38	GI211	SV22
	SVXCL 2020 K 16-M-A	20	20	20	25	125	28	98	0	0	0.38	GI017	SV10
	SVXCL 2525 M 16-M-A	25	25	25	32	150	32	98	0	0	0.69	GI017	SV10
	SVXCL 3225 P 16-M-A	32	25	32	32	170	32	98	0	0	0.99	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
SO1	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

NEW

C.-SVHB(RL) EXT

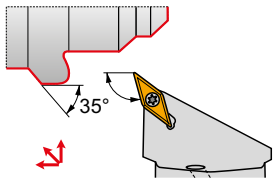
P M K N S H

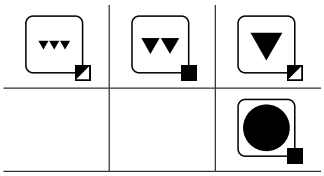
PRAMET

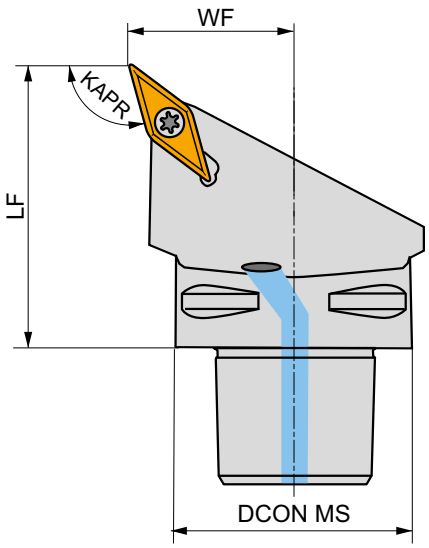
S

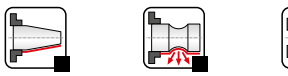
Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 107,5°, Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y refrigeración interna para plaquitas positivas VB.. 16 y VC.. 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 35° y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-SVHBR-27050-16	40	27	50	107.5	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVHBR-35060-16	50	35	60	107.5	0	0	✓	0.64	GI017	C-SV16S-2
	C6-SVHBR-45065-16	63	45	65	107.5	0	0	✓	1.13	GI017	C-SV16S-2
L	C4-SVHBL-27050-16	40	27	50	107.5	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVHBL-35060-16	50	35	60	107.5	0	0	✓	0.64	GI017	C-SV16S-2
	C6-SVHBL-45065-16	63	45	65	107.5	0	0	✓	1.12	GI017	C-SV16S-2

GI017	VB.. 1604..	VC.. 1604..

		Nm						
C-SV16S-1	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SV16S-2	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-02

NEW

C.-SVJB(RL) EXT

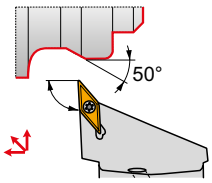
P M K N S H

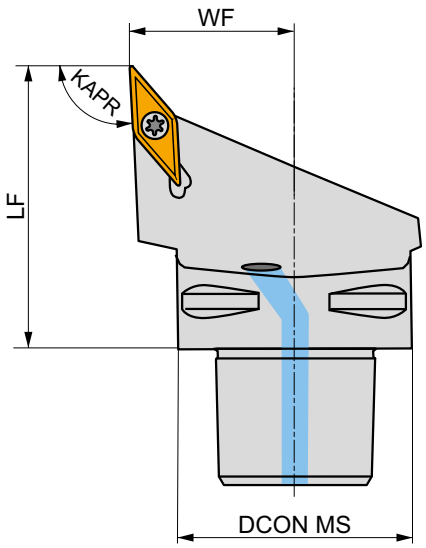
PRAMET

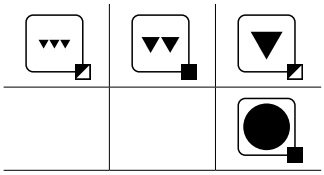
S

Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y refrigeración interna para plaquitas positivas VB.. 11 o 16 y VC.. 11 hasta 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 50° y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C6. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C3-SVJBR-22040-11-B1	32	22	40	93	0	0	✓	0.17	GI194	C-SV11
	C4-SVJBR-27050-11-B1	40	27	50	93	0	0	✓	0.34	GI194	C-SV11
	C4-SVJBR-27050-16	40	27	50	93	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVJBR-35060-16	50	35	60	93	0	0	✓	0.63	GI017	C-SV16S-2
	C6-SVJBR-45065-16	63	45	65	93	0	0	✓	1.11	GI017	C-SV16S-2
L	C4-SVJBL-27050-16	40	27	50	93	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVJBL-35060-16	50	35	60	93	0	0	✓	0.64	GI017	C-SV16S-2
	C6-SVJBL-45065-16	63	45	65	93	0	0	✓	1.11	GI017	C-SV16S-2

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..

		Nm						
C-SV11	US 2003-T07P	0.8	M 2.5	6.5	–	–	FLAG T07P	CN 034-01
C-SV16S-1	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SV16S-2	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-02

NEW

C.-SVVBN EXT

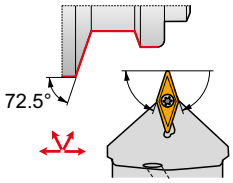
P M K N S H

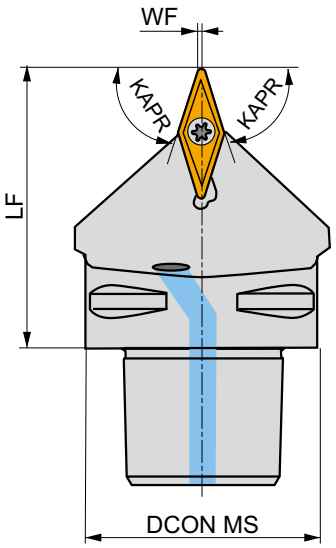
PRAMET

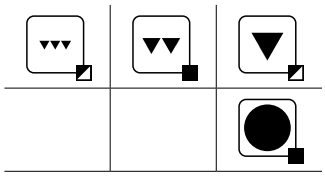
S

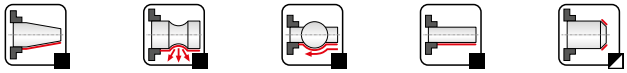
Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 72,5°, para Plaquitas VB/VC..

Portaherramientas de exterior neutro con fijación por tornillo para plaquitas positivas VB.. de 11 o 16 y VC.. de 11 hasta 16. Adecuado para torneado longitudinal sin escuadra, torneado en cono o copia hasta 72.5° y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamanos C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
N	**C4-SVVBN-00050-16**	40	0.6	50	72.5	0	0	✓	0.32	GI017	C-SV16S-1
	C5-SVVBN-00060-16	50	0.6	60	72.5	0	0	✓	0.56	GI017	C-SV16S-2
	C6-SVVBN-00065-16	63	0.6	65	72.5	0	0	✓	0.99	GI017	C-SV16S-2

GI017	VB.. 1604..	VC.. 1604..

		Nm						
C-SV16S-1	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SV16S-2	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-02

SVJB(RL) INT

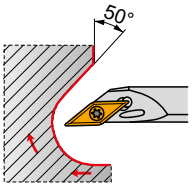
P M K N S H

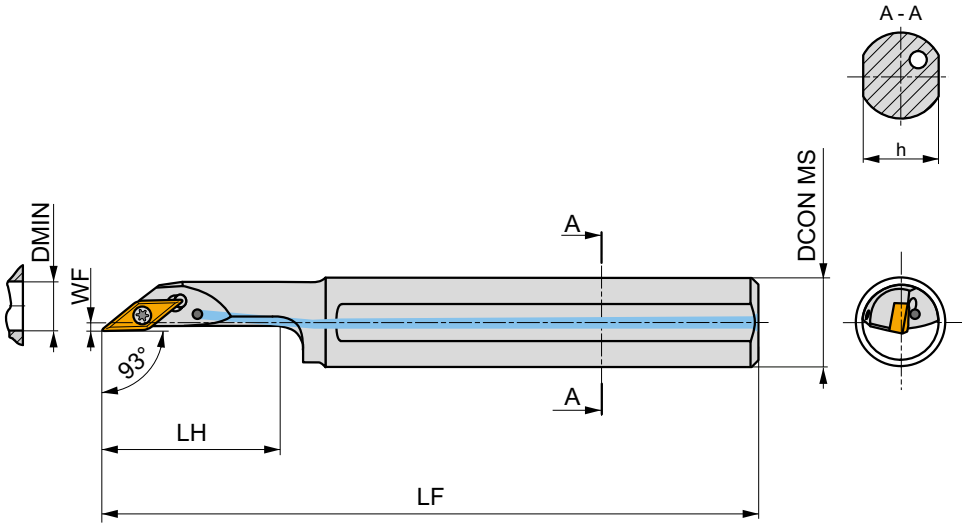
PRAMET

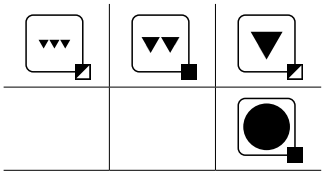
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas VB.. 11 y VC.. 11. Agujero mínimo de Ø25 mm. Adecuado para torneado frontal en copia por debajo de 50°. Disponible con mangos de Ø20 y Ø25. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	A20R-SVJBR 11	20	25	2	18	200	40	-5	-5	✓	0.44	GI194	S07
	A25S-SVJBR 11	25	32	3.5	23	250	50	-5	-5	✓	0.82	GI194	S07
L	A20R-SVJBL 11	20	25	2	18	200	40	-5	-5	✓	0.42	GI194	S07
	A25S-SVJBL 11	25	32	3.5	23	250	50	-5	-5	✓	0.82	GI194	S07

GI194	VB.. 1103..	VC.. 1103..

S07	US 2506-T07P	0.9 Nm	M 2.5	6.3	FLAG T07P

SVQB(C)(RL) INT

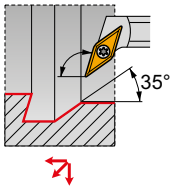
P M K N S H

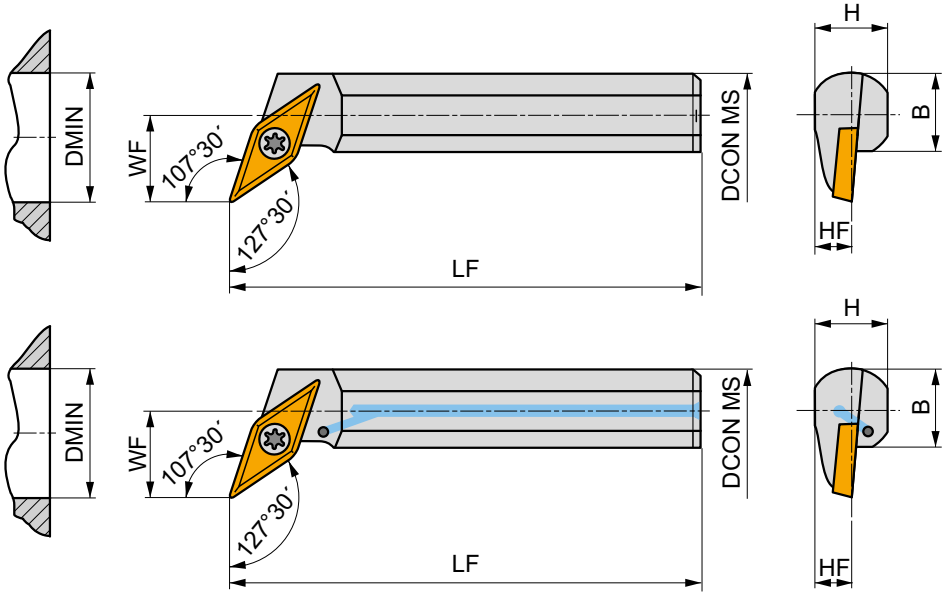
PRAMET

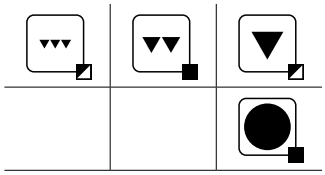
S

Portaherramientas de Interior con Fijación por Tornillo, a 107,5°, para Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 107,5° para plaquitas positivas VB../VC.. 11 y 16. Agujero mínimo de Ø20 mm. Para una amplia gama de operaciones de torneado interior. Disponible con mangos de Ø16 a Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A16R-SVQBR 11	16	20	11	14.5	15	200	-5	0	✓	0.33	GI194	S01
	A20S-SVQBR 11	20	25	13	18	18.5	250	-4	0	✓	0.58	GI194	S01
	A16R-SVQCR 13	16	21	11	15	15	200	-6	0	✓	0.30	GI211	SV21
	A20S-SVQCR 13	20	25	13	18	18.5	250	-4	0	✓	0.12	GI211	SV21
	S25T-SVQCR 16	25	32	17	23	23	300	-7	0	–	1.10	GI017	S08
	S32U-SVQCR 16	32	40	22	30	30	350	-5	0	–	2.07	GI017	S08
	S40V-SVQCR 16-A	40	50	27	38	38	400	-5	0	–	3.80	GI017	SV10
L	A16R-SVQBL 11	16	20	11	14.5	15	200	-5	0	✓	0.33	GI194	S01
	A20S-SVQBL 11	20	25	13	18	18.5	250	-4	0	✓	0.58	GI194	S01
	A16R-SVQCL 13	16	21	11	15	15	200	-6	0	✓	0.29	GI211	SV21
	A20S-SVQCL 13	20	25	13	18	18.5	250	-4	0	✓	0.54	GI211	SV21
	S25T-SVQCL 16	25	32	17	23	23	300	-7	0	–	1.09	GI017	S08
	S32U-SVQCL 16	32	40	22	30	30	350	-5	0	–	2.07	GI017	S08
	S40V-SVQCL 16-A	40	50	27	38	38	400	-5	0	–	4.10	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–

SVUB(C)(RL) INT

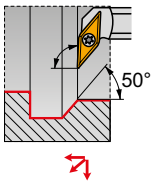
P M K N S H

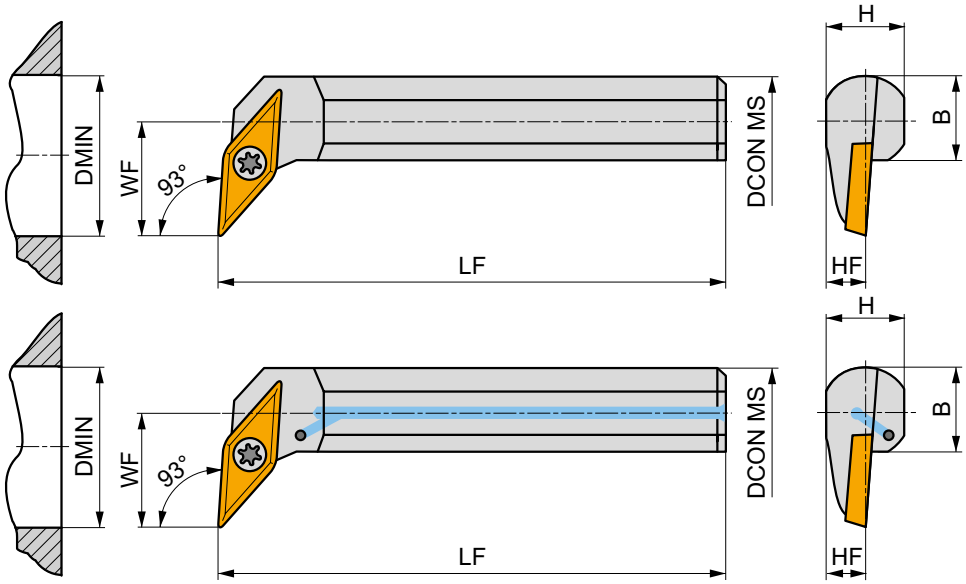
PRAMET

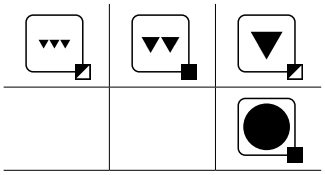
S

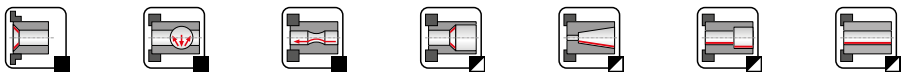
Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna disponible y ángulo de posición de 93° para plaquitas positivas VB../VC.. 11 y 16. Agujero mínimo de Ø20 mm. Para una amplia gama de operaciones de torneado interior y copiado por debajo de 50°. Disponible con mangos de Ø16 a Ø40. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A16R-SVUBR 11	16	20	11	14.5	15	200	-5	0	✓	0.34	GI194	S01
	A20S-SVUBR 11	20	25	13	18	18.8	250	-4	0	✓	0.58	GI194	S01
	A20S-SVUCR 13	20	25	13	19	18.5	250	-4	2	✓	0.40	GI211	SV21
	A25T-SVUCR 13	25	32	17	24	23	300	-2	2	✓	0.96	GI211	SV22
	A32T-SVUCR 13	32	40	22	30	30	300	-1	2	✓	1.70	GI211	SV22
	S25T-SVUCR 16	25	32	17	23	23	300	-7	0	–	1.10	GI017	S08
	S32U-SVUCR 16	32	40	22	30	30	350	-5	0	–	2.10	GI017	S08
	S40V-SVUCR 16-A	40	50	27	38	38	400	-5	0	–	4.10	GI017	SV10
L	A16R-SVUBL 11	16	20	11	14.5	15	200	-5	0	✓	0.34	GI194	S01
	A20S-SVUBL 11	20	25	13	18	18.5	250	-4	0	✓	0.58	GI194	S01
	A20S-SVUCL 13	20	25	13	19	18.5	250	-4	2	✓	0.32	GI211	SV21
	A25T-SVUCL 13	25	32	17	24	23	300	-2	2	✓	0.96	GI211	SV22
	A32T-SVUCL 13	32	40	22	30	30	300	-1	2	✓	1.70	GI211	SV22
	S25T-SVUCL 16	25	32	17	23	23	300	-7	0	–	1.10	GI017	S08
	S32U-SVUCL 16	32	40	22	30	30	350	-5	0	–	2.10	GI017	S08
	S40V-SVUCL 16-A	40	50	27	38	38	400	-5	0	–	4.10	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

NEW

C.-SVQB(RL) INT

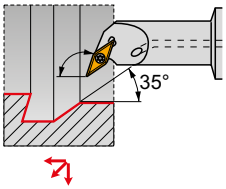
P M K N S H

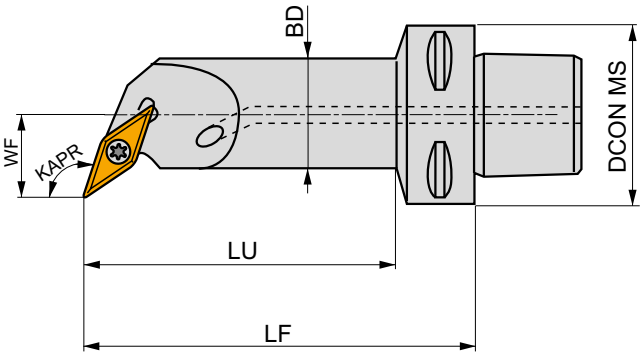
PRAMET

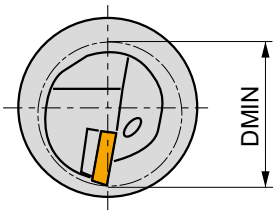
S

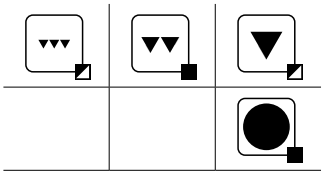
Herramienta de Interior PSC de Cambio Rápido con Fijación por Tornillo, a 107,5°, Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 107,5° para plaquitas positivas VB.. 16 o VC.. 16. Agujero mínimo de Ø33 mm. Para una amplia gama de operaciones de torneado interior. Mango PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 y C5 con opciones de longitud. Cuerpo tratado para mayor vida útil.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-SVQBR-18090-16	40	33	18	90	68	25	107.5	-7.2	0	✓	0.48	GI017	SV16
	C5-SVQBR-18090-16	50	33	18	90	67	25	107.5	-7.2	0	✓	0.67	GI017	SV16
L	C4-SVQBL-18090-16	40	33	18	90	68	25	107.5	-7.2	0	✓	0.48	GI017	SV16
	C5-SVQBL-18090-16	50	33	18	90	67	25	107.5	-7.2	0	✓	0.68	GI017	SV16

GI017	VB.. 1604..	VC.. 1604..

SV16	US 2010-T15P	3.0 Nm	M 3.5	10.1	FLAG T15P/3,5

VC

07/ 11/ 13/ 16

PLAQUITAS DE METAL DURO

VCGT

186

VCGW

189

VCGX

189

VCMT

190

VCMW

191

PLAQUITAS DE PCD

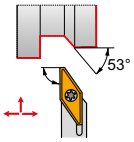
VCMW PCD

192

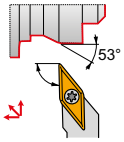
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
VCGT **07**0204E-FF2	SVGCR 1010 M **07**

TORNEADO ISO - EXTERIOR

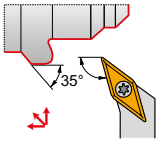
SVAC(RL)-DC EXT

90°	VC..
	13
10×10 25×25	
193	186 – 192

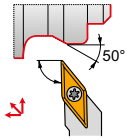
SVGC(RL) EXT

90°	VC..
	07
08×08 16×16	
194	186 – 192

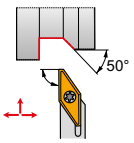
SVHB(C)(RL) EXT

107°30´	VB, VC..
	11 16
16×16 25×25	
195	168 – 171 186 – 192

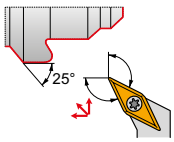
SVJB(C)(RL) EXT

93°	VB, VC..
	11 13 16
12×12 32×25	
196	168 – 171 186 – 192

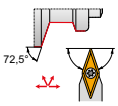
SVJC(RL)-DC EXT

93°	VC..
	13
10×10 25×25	
197	186 – 192

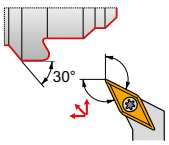
SVPB(C)(RL) EXT

117°30´	VB, VC..
	11 16
16×16 32×25	
198	168 – 171 186 – 192

SVVB(C)N EXT

72°30´	VB, VC..
	11 13 16
12×12 32×25	
199	168 – 171 186 – 192

SVXB(C)(RL) EXT

98°	VB, VC..
	11 13 16
12×12 32×25	
200	168 – 171 186 – 192

VC

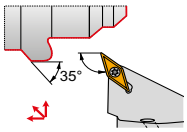
07/ 11/ 13/ 16

C.-SVHB(RL) EXT NEW

107°30´

VB, VC..

16



C4 / C6

201

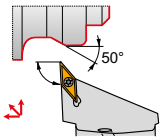
168 – 171
186 – 192

C.-SVJB(RL) EXT NEW

93°

VB, VC..

11
16



C3 / C6

202

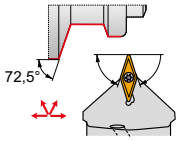
168 – 171
186 – 192

C.-SVVBN EXT NEW

72°30´

VB, VC..

16



C4 / C6

203

168 – 171
186 – 192

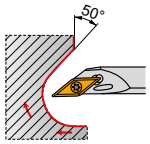
TORNEADO ISO - INTERIOR

SVJB(RL) INT

93°

VB, VC..

11



ØDmin

25 / 32

204

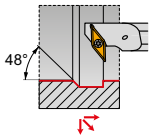
168 – 171
186 – 192

SVLC(RL) INT

95°

VC..

13



ØDmin

27 / 43

205

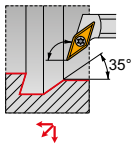
186 – 192

SVQB(C)(RL) INT

107°30´

VB, VC..

11
13
16



ØDmin

20 / 50

206

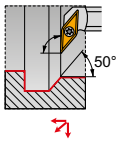
168 – 171
186 – 192

SVUB(C)(RL) INT

93°

VB, VC..

11
13
16



ØDmin

20 / 50

207

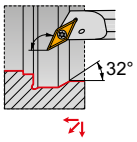
168 – 171
186 – 192

SVXC(RL) INT

113°

VC..

07



ØDmin

12,5 / 17,5

208

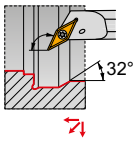
186 – 192

SVXC(RL)-E INT

113°

VC..

07



ØDmin

12,5 / 17,5

209

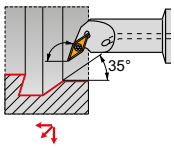
186 – 192

C.-SVQB(C)(RL) INT NEW

108°

VB, VC..

16



ØDmin

33

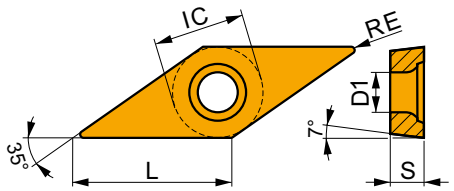
210

168 – 171
186 – 192

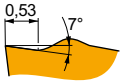
VCGT

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0702	3.970	2.20	6.90	2.38
1102-SF3	6.350	2.80	11.10	2.58
1103	6.350	2.80	11.10	3.18
1103-SF3	6.350	2.80	11.10	3.43
1303	7.940	3.40	13.80	3.18
1303-AL	7.940	3.40	13.80	3.43
1303-SF3	7.940	3.40	13.80	3.43
1604	9.525	4.40	16.60	4.76
1604-SF3	9.525	4.40	16.60	5.01



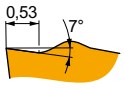
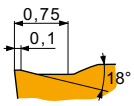
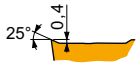
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
VCGT 070202F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	315	0.12	1.0	–	–	–	–	–	–
VCGT 110302F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	300	0.12	1.5	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	465	0.12	0.8	–	–	–	–	–	–
VCGT 110304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	240	0.24	1.5	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	375	0.24	0.8	–	–	–	–	–	–
VCGT 130302F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	285	0.12	1.7	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	420	0.12	1.7	–	–	–	–	–	–
VCGT 130304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	240	0.24	1.7	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	345	0.24	1.7	–	–	–	–	–	–
VCGT 130308F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	210	0.48	1.7	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	315	0.48	1.7	–	–	–	–	–	–
VCGT 160402F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	285	0.12	2.4	–	–	–	–	–	–
	T0315	0.2	–	–	–	–	–	–	–	–	–	420	0.12	2.4	–	–	–	–	–	–
VCGT 160404F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	225	0.24	2.4	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	330	0.24	2.4	–	–	–	–	–	–
VCGT 160408F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	210	0.48	2.4	–	–	–	–	–	–
	T0315	0.8	–	–	–	–	–	–	–	–	–	300	0.48	2.4	–	–	–	–	–	–
VCGT 160412F-AL	**HF7**	1.2	–	–	–	–	–	–	–	–	–	180	0.72	2.4	–	–	–	–	–	–
	T0315	1.2	–	–	–	–	–	–	–	–	–	270	0.72	2.4	–	–	–	–	–	–
																				
VCGT 070202E-FF2	**T8315**	0.2	150	0.05	0.8	–	–	–	140	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.2	145	0.05	0.8	–	–	–	135	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	190	0.05	0.8	–	–	–	155	0.05	0.8	–	–	–	–	–	–	–	–	–
VCGT 070204E-FF2	**T8315**	0.4	125	0.12	0.8	–	–	–	115	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.4	120	0.12	0.8	–	–	–	110	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	145	0.12	0.8	–	–	–	120	0.12	0.8	–	–	–	–	–	–	–	–	–
VCGT 130302E-FF2	**T5315**	0.2	250	0.05	1.0	–	–	–	235	0.05	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.2	165	0.05	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.2	140	0.05	1.0	–	–	–	130	0.05	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.2	185	0.05	1.0	–	–	–	150	0.05	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.2	265	0.05	1.0	–	–	–	250	0.05	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.2	240	0.05	1.0	–	–	–	225	0.05	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.2	240	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

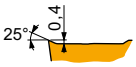
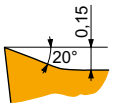
Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.

Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
VCGT 130304E-FF2	**T5315**	0.4	◪ 195	0.12	1.0	–	–	–	■ 185	0.12	1.0	–	–	–	–	–	–	–	–	–
	T7325	0.4	◪ 135	0.12	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 115	0.12	1.0	–	–	–	■ 105	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 140	0.12	1.0	–	–	–	◪ 115	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 195	0.12	1.0	–	–	–	◪ 185	0.12	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 175	0.12	1.0	–	–	–	◪ 165	0.12	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.4	■ 245	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VCGT 130308E-FF2	**T7325**	0.8	◪ 145	0.17	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 200	0.17	1.0	–	–	–	◪ 190	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 180	0.17	1.0	–	–	–	◪ 170	0.17	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.8	■ 245	0.10	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría FM2 para acabado a mecanizado medio con corte contínuo a interrumpido.																				
VCGT 130308E-FM2	**T8330**	0.8	■ 125	0.17	1.0	◪ 75	0.15	1.0	■ 115	0.17	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 145	0.17	1.0	◪ 80	0.15	1.0	◪ 120	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 180	0.17	1.0	◪ 105	0.15	1.0	◪ 170	0.17	1.0	–	–	–	–	–	–	–	–	–
Geometría NF2 con diseño positivo para acabado fino a semi-desbaste con corte contínuo.																				
VCGT 130302E-NF2	**H07**	0.2	–	–	–	◪ 60	0.09	1.0	◪ 95	0.10	1.0	◪ 310	0.12	1.0	■ 30	0.07	0.8	–	–	–
	T6310	0.2	◪ 125	0.07	1.0	■ 90	0.06	1.0	◪ 100	0.07	1.0	◪ 375	0.08	1.0	■ 35	0.06	0.8	–	–	–
	T7325	0.2	◪ 150	0.07	1.0	■ 115	0.06	1.0	–	–	–	–	–	–	■ 45	0.06	0.8	–	–	–
	T7335	0.2	◪ 150	0.07	1.0	■ 115	0.06	1.0	–	–	–	–	–	–	■ 45	0.06	0.8	–	–	–
	T9315	0.2	◪ 200	0.10	1.0	–	–	–	◪ 190	0.10	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.2	◪ 210	0.07	1.0	■ 125	0.06	1.0	◪ 195	0.07	1.0	–	–	–	◪ 45	0.06	0.8	–	–	–
	T9335	0.2	◪ 155	0.10	1.0	■ 90	0.09	1.0	–	–	–	–	–	–	◪ 30	0.07	0.8	–	–	–
	TT010	0.2	◪ 240	0.05	0.5	◪ 140	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–
VCGT 130304E-NF2	**H07**	0.4	–	–	–	◪ 60	0.11	1.0	◪ 95	0.12	1.0	◪ 310	0.14	1.0	■ 30	0.11	0.8	–	–	–
	T5315	0.4	◪ 195	0.12	1.0	–	–	–	◪ 185	0.12	1.0	–	–	–	–	–	–	–	–	–
	T6310	0.4	◪ 115	0.12	1.0	■ 80	0.11	1.0	◪ 90	0.12	1.0	◪ 345	0.14	1.0	■ 30	0.11	0.8	–	–	–
	T7325	0.4	◪ 135	0.12	1.0	■ 105	0.11	1.0	–	–	–	–	–	–	■ 40	0.08	0.8	–	–	–
	T7335	0.4	◪ 135	0.12	1.0	■ 105	0.11	1.0	–	–	–	–	–	–	■ 40	0.08	0.8	–	–	–
	T9315	0.4	◪ 210	0.10	1.0	–	–	–	◪ 195	0.10	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.4	◪ 175	0.12	1.0	■ 105	0.11	1.0	◪ 165	0.12	1.0	–	–	–	◪ 35	0.08	0.8	–	–	–
	T9335	0.4	◪ 150	0.12	1.0	■ 90	0.11	1.0	–	–	–	–	–	–	◪ 30	0.11	0.8	–	–	–
	TT010	0.4	◪ 245	0.06	0.5	◪ 145	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–
VCGT 130308E-NF2	**T5315**	0.8	◪ 205	0.17	1.0	–	–	–	◪ 190	0.17	1.0	–	–	–	–	–	–	–	–	–
	T6310	0.8	◪ 125	0.17	1.0	■ 90	0.15	1.0	◪ 100	0.17	1.0	◪ 375	0.20	1.0	■ 35	0.12	0.8	–	–	–
	T7325	0.8	◪ 145	0.17	1.0	■ 110	0.15	1.0	–	–	–	–	–	–	■ 45	0.12	0.8	–	–	–
	T7335	0.8	◪ 140	0.17	1.0	■ 105	0.15	1.0	–	–	–	–	–	–	■ 45	0.12	0.8	–	–	–
	T9315	0.8	◪ 200	0.17	1.0	–	–	–	◪ 190	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	◪ 180	0.17	1.0	■ 105	0.15	1.0	◪ 170	0.17	1.0	–	–	–	◪ 40	0.12	0.8	–	–	–
	T9335	0.8	◪ 155	0.18	1.0	■ 90	0.16	1.0	–	–	–	–	–	–	◪ 30	0.16	0.8	–	–	–
	TT010	0.8	◪ 245	0.10	0.8	◪ 145	0.09	0.8	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría SF2 con diseño muy positivo para acabado fino con corte contínuo.																				
VCGT 130301E-SF2	**H07**	0.1	–	–	–	◪ 80	0.05	1.0	–	–	–	◪ 405	0.06	1.0	■ 40	0.04	0.8	–	–	–
	T6310	0.1	◪ 140	0.05	1.0	■ 100	0.05	1.0	–	–	–	◪ 420	0.06	1.0	■ 40	0.04	0.8	–	–	–

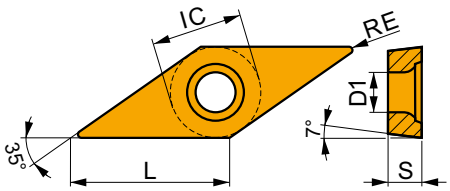
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría SF2 con diseño muy positivo para acabado fino con corte contínuo.																	
VCGT 130302E-SF2	**H07**	0.2	–	–	–	80	0.05	1.0	–	–	–	405	0.06	1.0	40	0.04	0.8	–	–	–
	HF7	0.2	–	–	–	90	0.05	1.0	–	–	–	450	0.06	1.0	–	–	–	–	–	–
	T6310	0.2	140	0.05	1.0	100	0.05	1.0	–	–	–	420	0.06	1.0	40	0.04	0.8	–	–	–
VCGT 130304E-SF2	**H07**	0.4	–	–	–	65	0.09	1.0	–	–	–	335	0.12	1.0	30	0.07	0.8	–	–	–
	HF7	0.4	–	–	–	75	0.09	1.0	–	–	–	375	0.12	1.0	–	–	–	–	–	–
	T6310	0.4	125	0.10	1.0	90	0.09	1.0	–	–	–	375	0.12	1.0	35	0.07	0.8	–	–	–
VCGT 130308E-SF2	**H07**	0.8	–	–	–	75	0.09	1.0	–	–	–	390	0.12	1.0	35	0.08	0.8	–	–	–
	HF7	0.8	–	–	–	85	0.09	1.0	–	–	–	435	0.12	1.0	–	–	–	–	–	–
	T6310	0.8	145	0.10	1.0	100	0.09	1.0	–	–	–	435	0.12	1.0	40	0.08	0.8	–	–	–
																				
			Geometría SF3 con diseño muy positivo para acabado fino con corte contínuo.																	
VCGT 070202E-SF3	**H07**	0.2	–	–	–	80	0.05	0.8	130	0.05	0.8	415	0.06	0.8	40	0.04	0.6	–	–	–
	T6310	0.2	145	0.05	0.8	100	0.05	0.8	115	0.05	0.8	435	0.06	0.8	40	0.04	0.6	25	0.15	1.0
VCGT 070204E-SF3	**T6310**	0.4	125	0.10	0.8	90	0.09	0.8	100	0.10	0.8	375	0.12	0.8	35	0.07	0.6	25	0.15	1.0
VCGT 110201E-SF3	**T6310**	0.1	140	0.05	0.5	100	0.05	0.5	110	0.05	0.5	420	0.06	0.5	40	0.04	0.4	25	0.15	1.0
VCGT 110202E-SF3	**H07**	0.2	–	–	–	80	0.05	0.8	130	0.05	0.8	415	0.06	0.8	40	0.04	0.6	–	–	–
	T6310	0.2	145	0.05	0.8	100	0.05	0.8	115	0.05	0.8	435	0.06	0.8	40	0.04	0.6	25	0.15	1.0
	T8315	0.2	150	0.05	0.8	90	0.05	0.8	140	0.05	0.8	450	0.06	0.8	35	0.04	0.6	30	0.15	1.0
VCGT 110204E-SF3	**H07**	0.4	–	–	–	65	0.09	0.8	105	0.10	0.8	335	0.12	0.8	30	0.07	0.6	–	–	–
	T6310	0.4	125	0.10	0.8	90	0.09	0.8	100	0.10	0.8	375	0.12	0.8	35	0.07	0.6	25	0.15	1.0
	T8315	0.4	135	0.10	0.8	80	0.09	0.8	125	0.10	0.8	405	0.12	0.8	30	0.07	0.6	25	0.15	1.0
VCGT 110301E-SF3	**T6310**	0.1	140	0.05	0.5	100	0.05	0.5	110	0.05	0.5	420	0.06	0.5	40	0.04	0.4	25	0.15	1.0
VCGT 110302E-SF3	**T6310**	0.2	145	0.05	0.8	100	0.05	0.8	115	0.05	0.8	435	0.06	0.8	40	0.04	0.6	25	0.15	1.0
VCGT 110304E-SF3	**T6310**	0.4	125	0.10	0.8	90	0.09	0.8	100	0.10	0.8	375	0.12	0.8	35	0.07	0.6	25	0.15	1.0
VCGT 130302E-SF3	**H07**	0.2	–	–	–	80	0.05	0.8	130	0.05	0.8	415	0.06	0.8	40	0.04	0.6	–	–	–
	T6310	0.2	145	0.05	0.8	100	0.05	0.8	115	0.05	0.8	435	0.06	0.8	40	0.04	0.6	25	0.15	1.0
	T8315	0.2	150	0.05	0.8	90	0.05	0.8	140	0.05	0.8	450	0.06	0.8	35	0.04	0.6	30	0.15	1.0
VCGT 130304E-SF3	**H07**	0.4	–	–	–	65	0.09	1.0	105	0.10	1.0	335	0.12	1.0	30	0.07	0.8	–	–	–
	T6310	0.4	125	0.10	1.0	90	0.09	1.0	100	0.10	1.0	375	0.12	1.0	35	0.07	0.8	25	0.15	1.0
	T8315	0.4	130	0.10	1.0	75	0.09	1.0	120	0.10	1.0	390	0.12	1.0	30	0.07	0.8	25	0.15	1.0
VCGT 130308E-SF3	**H07**	0.8	–	–	–	75	0.09	1.0	120	0.10	1.0	390	0.12	1.0	35	0.08	0.8	–	–	–
	T6310	0.8	145	0.10	1.0	100	0.09	1.0	115	0.10	1.0	435	0.12	1.0	40	0.08	0.8	25	0.15	1.0
	T8315	0.8	155	0.10	1.0	90	0.09	1.0	145	0.10	1.0	465	0.12	1.0	35	0.08	0.8	30	0.15	1.0
VCGT 160402E-SF3	**T6310**	0.2	145	0.05	0.8	100	0.05	0.8	115	0.05	0.8	435	0.06	0.8	40	0.04	0.6	25	0.15	1.0
VCGT 160404E-SF3	**H07**	0.4	–	–	–	65	0.09	1.0	105	0.10	1.0	335	0.12	1.0	30	0.07	0.8	–	–	–
	T6310	0.4	125	0.10	1.0	90	0.09	1.0	100	0.10	1.0	375	0.12	1.0	35	0.07	0.8	25	0.15	1.0
	T8315	0.4	130	0.10	1.0	75	0.09	1.0	120	0.10	1.0	390	0.12	1.0	30	0.07	0.8	25	0.15	1.0
VCGT 160408E-SF3	**H07**	0.8	–	–	–	75	0.09	1.2	120	0.10	1.2	390	0.12	1.2	35	0.08	1.0	–	–	–
	T6310	0.8	145	0.10	1.2	100	0.09	1.2	115	0.10	1.2	435	0.12	1.2	40	0.08	1.0	25	0.15	1.0
	T8315	0.8	155	0.10	1.2	90	0.09	1.2	145	0.10	1.2	465	0.12	1.2	35	0.08	1.0	30	0.15	1.0
VCGT 160412E-SF3	**H07**	1.2	–	–	–	60	0.18	1.2	95	0.20	1.2	310	0.24	1.2	30	0.14	1.0	–	–	–
	T6310	1.2	125	0.20	1.2	90	0.18	1.2	100	0.20	1.2	375	0.24	1.2	35	0.14	1.0	25	0.15	1.0

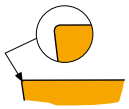
VCGW

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1303	7.940	3.40	13.80	3.18



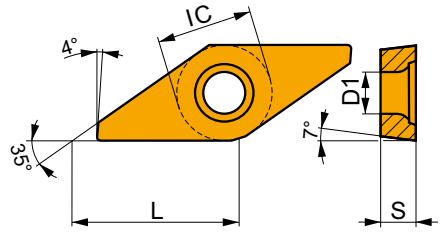
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
VCGW 130302	**T5305**	0.2	–	–	–	–	–	–	170	0.08	1.3	–	–	–	–	–	–	35	0.15	1.0
VCGW 130304	**T5305**	0.4	–	–	–	–	–	–	165	0.10	1.3	–	–	–	–	–	–	35	0.15	1.0
VCGW 130308	**T5305**	0.8	–	–	–	–	–	–	160	0.18	1.3	–	–	–	–	–	–	30	0.15	1.0

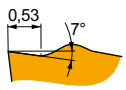
VCGX

PRAMET

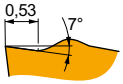
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1303	7.940	3.40	13.80	3.18



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Geometría FR-FF2 con diseño positivo a derecha para acabado y acabado fino con corte contínuo.																	
VCGX 130300FR-FF2	**T6310**	0.0	140	0.05	1.0	–	–	–	110	0.05	1.0	–	–	–	–	–	–	–	–	–
	T8315	0.0	150	0.05	1.0	–	–	–	140	0.05	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.0	240	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VCGX 130301FR-FF2	**T6310**	0.1	140	0.05	1.0	–	–	–	110	0.05	1.0	–	–	–	–	–	–	–	–	–
	T8315	0.1	150	0.05	1.0	–	–	–	140	0.05	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.1	240	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

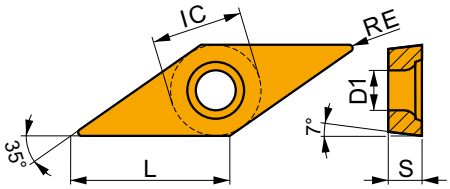
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto	RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																			
Geometría FL-FF2 con un diseño positivo a izquierda para operaciones de acabado y acabado fino con corte contínuo.																			
VCGX 130300FL-FF2	**T6310**	0.0	140	0.05	1.0	–	–	–	110	0.05	1.0	–	–	–	–	–	–	–	–	–
	T8315	0.0	150	0.05	1.0	–	–	–	140	0.05	1.0	–	–	–	–	–	–	–	–	–
	TT010	0.0	240	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VCGX 130301FL-FF2	**T6310**	0.1	140	0.05	1.0	–	–	–	110	0.05	1.0	–	–	–	–	–	–	–	–	–
	T8315	0.1	150	0.05	1.0	–	–	–	140	0.05	1.0	–	–	–	–	–	–	–	–	–

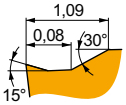
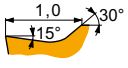
VCMT

PRAMET

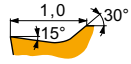
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1103	6.350	2.80	11.10	3.18
1604	9.525	4.40	16.60	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto	RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																			
Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																			
VCMT 160404E-FM	**T7325**	0.4	125	0.19	1.2	95	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	130	0.12	1.2	75	0.11	1.2	120	0.12	1.2	390	0.14	1.2	–	–	–	–	–	–
	T8430	0.4	150	0.12	1.2	80	0.11	1.2	125	0.12	1.2	420	0.14	1.2	–	–	–	–	–	–
	T9315	0.4	210	0.12	1.2	–	–	–	195	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	155	0.19	1.2	90	0.17	1.2	145	0.19	1.2	–	–	–	–	–	–	–	–	–
VCMT 160408E-FM	**T7325**	0.8	155	0.17	1.2	120	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	135	0.17	1.2	80	0.15	1.2	125	0.17	1.2	405	0.20	1.2	–	–	–	–	–	–
	T8430	0.8	155	0.17	1.2	85	0.15	1.2	130	0.17	1.2	435	0.20	1.2	–	–	–	–	–	–
	T9315	0.8	220	0.17	1.2	–	–	–	205	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	195	0.17	1.2	115	0.15	1.2	185	0.17	1.2	–	–	–	–	–	–	–	–	–
																			
Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																			
VCMT 110304E-UR	**T7325**	0.4	110	0.19	0.8	85	0.17	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	110	0.12	0.8	65	0.11	0.8	100	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	135	0.12	0.8	75	0.11	0.8	110	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	190	0.12	0.8	–	–	–	180	0.12	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	140	0.19	0.8	80	0.17	0.8	130	0.19	0.8	–	–	–	–	–	–	–	–	–
VCMT 110308E-UR	**T7325**	0.8	140	0.17	0.8	105	0.15	0.8	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	125	0.17	0.8	75	0.15	0.8	115	0.17	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.8	140	0.17	0.8	75	0.15	0.8	115	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	195	0.17	0.8	–	–	–	185	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	175	0.17	0.8	105	0.15	0.8	165	0.17	0.8	–	–	–	–	–	–	–	–	–

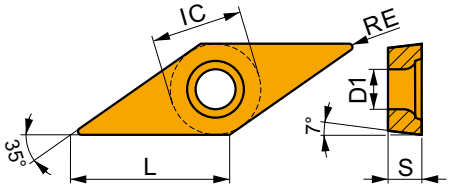
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
VCMT 160404E-UR	**T7325**	0.4	110	0.19	1.2	85	0.17	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.4	110	0.12	1.2	65	0.11	1.2	100	0.12	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.4	130	0.12	1.2	70	0.11	1.2	105	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	180	0.12	1.2	–	–	–	170	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	135	0.19	1.2	80	0.17	1.2	125	0.19	1.2	–	–	–	–	–	–	–	–	–
VCMT 160408E-UR	**T7325**	0.8	135	0.17	1.2	105	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	0.8	115	0.17	1.2	65	0.15	1.2	105	0.17	1.2	–	–	–	–	–	–	–	–	–
	T8430	0.8	135	0.17	1.2	75	0.15	1.2	110	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	190	0.17	1.2	–	–	–	180	0.17	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	170	0.17	1.2	100	0.15	1.2	160	0.17	1.2	–	–	–	–	–	–	–	–	–

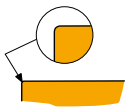
VCMW

PRAMET

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1103	6.350	2.80	11.10	3.18
1604	9.525	4.40	16.60	4.76



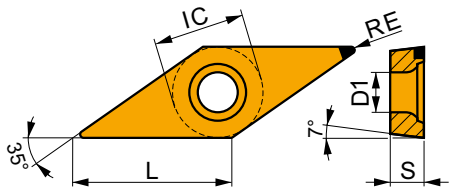
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
VCMW 110302	**T5305**	0.2	–	–	–	–	–	–	170	0.08	1.2	–	–	–	–	–	–	35	0.15	1.0
	T5315	0.2	–	–	–	–	–	–	145	0.08	1.2	–	–	–	–	–	–	30	0.15	1.0
	T6310	0.2	–	–	–	–	–	–	70	0.08	1.2	–	–	–	–	–	–	15	0.15	1.0
VCMW 110304	**T5305**	0.4	–	–	–	–	–	–	165	0.10	1.2	–	–	–	–	–	–	35	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	145	0.10	1.2	–	–	–	–	–	–	30	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	70	0.10	1.2	–	–	–	–	–	–	15	0.15	1.0
VCMW 160404	**T5305**	0.4	–	–	–	–	–	–	165	0.10	1.5	–	–	–	–	–	–	35	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	140	0.10	1.5	–	–	–	–	–	–	30	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	70	0.10	1.5	–	–	–	–	–	–	15	0.15	1.0
VCMW 160408	**T5305**	0.8	–	–	–	–	–	–	155	0.18	1.5	–	–	–	–	–	–	30	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	135	0.18	1.5	–	–	–	–	–	–	25	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	70	0.18	1.5	–	–	–	–	–	–	15	0.15	1.0

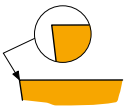
VCMW PCD

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	4.40	16.60	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC F																	
Punta de PCD para operaciones de acabado a semi-desbaste, altas velocidades y condiciones de corte estables.																				
VCMW 160404FN	**PD1**	0.4	–	–	–	–	–	–	–	–	–	900	0.12	0.5	–	–	–	–	–	–
VCMW 160408FN	**PD1**	0.8	–	–	–	–	–	–	–	–	–	1050	0.12	1.0	–	–	–	–	–	–

SVAC(RL)-DC EXT

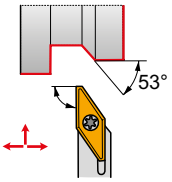
P M K N S H

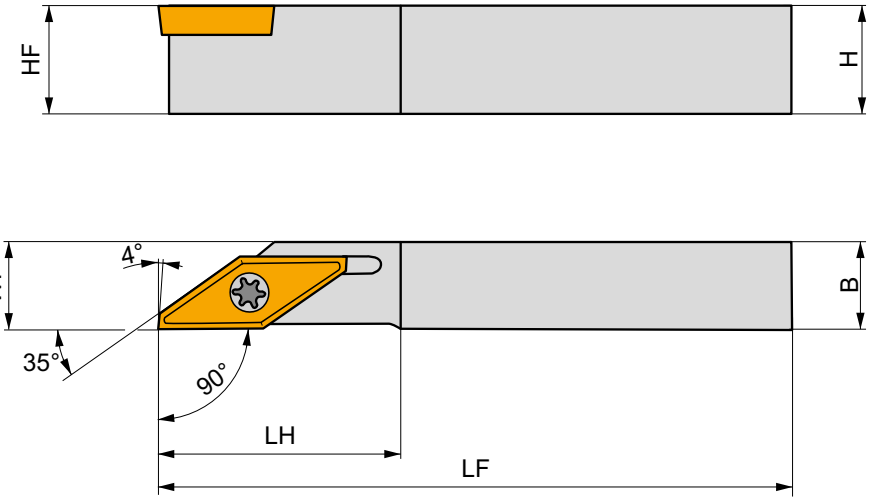
PRAMET

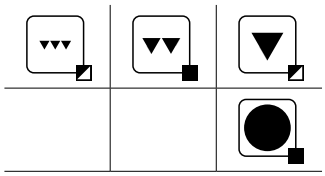
S

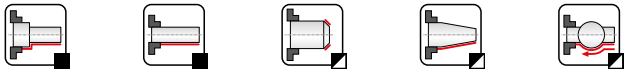
Portaherramientas de Exterior para Decoletaje con Fijación por Tornillo, a 90°, para Plaquitas VCGX 13

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VCGX 13 para decoletaje. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono, copiado hasta 53° y achaflanado. Disponible con mangos de 10x10 hasta 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SVACR 1010 L 13-DC	10	10	10	10	140	25	0	0	0.12	GI222	SV20
	SVACR 1212 L 13-DC	12	12	12	12	140	25	0	0	0.17	GI222	SV20
	SVACR 1616 M 13-DC	16	16	16	16	150	25	0	0	0.29	GI222	SV20
	SVACR 2020 M 13-DC	20	20	20	20	150	25	0	0	0.46	GI222	SV20
	SVACR 2525 M 13-DC	25	25	25	25	150	25	0	0	0.67	GI222	SV20
L	SVACL 1010 L 13-DC	10	10	10	10	140	25	0	0	0.10	GI222	SV20
	SVACL 1212 L 13-DC	12	12	12	12	140	25	0	0	0.19	GI222	SV20
	SVACL 1616 M 13-DC	16	16	16	16	150	25	0	0	0.29	GI222	SV20
	SVACL 2020 M 13-DC	20	20	20	20	150	25	0	0	0.43	GI222	SV20
	SVACL 2525 M 13-DC	25	25	25	25	150	25	0	0	0.67	GI222	SV20

GI222	VCGX 1303..

		Nm			
SV20	5513 020-24	1.5	M 3	8.5	PT-8002

SVGC(RL) EXT

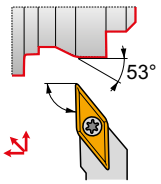
P M K N S H

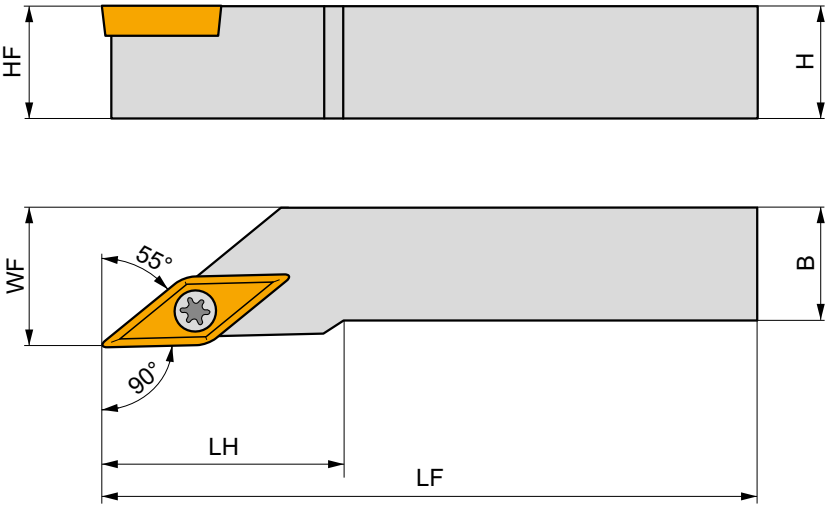
PRAMET

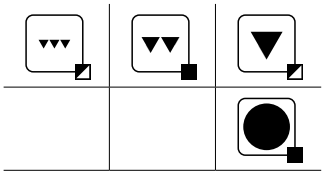
S

Portaherramientas de Exterior con Fijación por Tornillo, a 90°, para Plaquitas VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VC.. 07. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 53° y achaflanado. Disponible con mangos de 08x08 hasta 16x16. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SVGCR 0808 K 07	8	8	8	8.5	125	15	0	0	0.07	GI234	SV23
	SVGCR 1010 M 07	10	10	10	10.5	150	15	0	0	0.13	GI234	SV23
	SVGCR 1212 M 07	12	12	12	12.5	150	18	0	0	0.17	GI234	SV23
	SVGCR 1616 P 07	16	16	16	16.3	170	23	0	0	0.33	GI234	SV23
L	SVGCL 0808 K 07	8	8	8	8.5	125	15	0	0	0.07	GI234	SV23
	SVGCL 1010 M 07	10	10	10	10.5	150	15	0	0	0.13	GI234	SV23
	SVGCL 1212 M 07	12	12	12	12.5	150	18	0	0	0.17	GI234	SV23
	SVGCL 1616 P 07	16	16	16	16.3	170	23	0	0	0.33	GI234	SV23

GI234	VC.. 0702..

SV23	DVF 3584	0.6 Nm	M 2	5.5	DMD 1650

SVHB(C)(RL) EXT

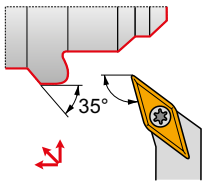
P M K N S H

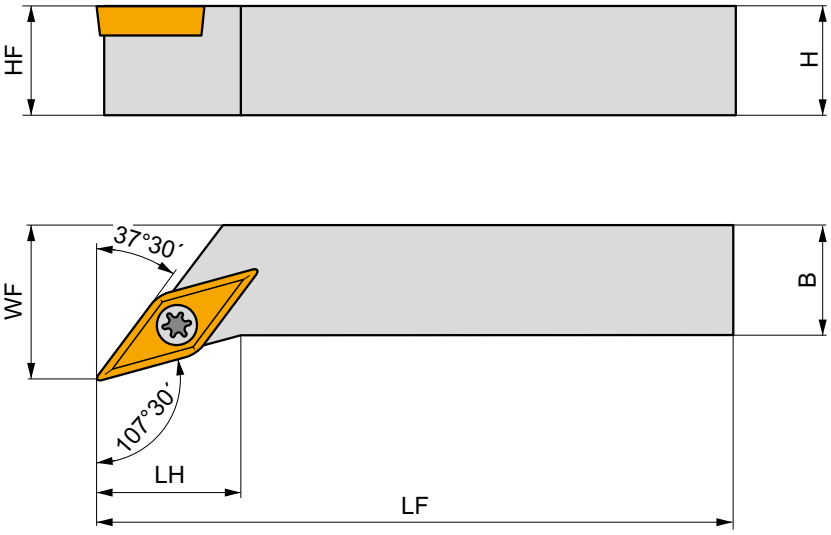
PRAMET

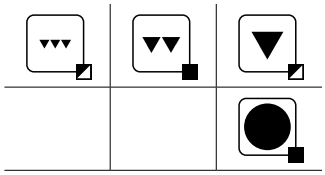
S

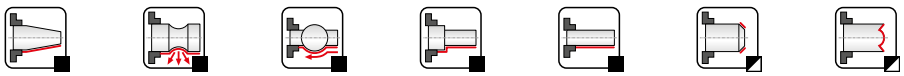
Portaherramientas de Exterior con Fijación por Tornillo, a 107,5°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 o 16. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono, copiado axial y radial hasta 35° y achaflanado. Disponible con mangos de 16x16 hasta 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**SVHBR 1616 H 11**	16	16	16	20	100	14	0	0	0.21	GI194	SO1
	SVHCR 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.40	GI017	SV10
	SVHCR 2525 M 16-M-A	25	25	25	32	150	20	0	0	0.68	GI017	SV10
L	**SVHBL 1616 H 11**	16	16	16	20	100	14	0	0	0.19	GI194	SO1
	SVHCL 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.40	GI017	SV10
	SVHCL 2525 M 16-M-A	25	25	25	32	150	20	0	0	0.07	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..

		Nm						
SO1	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5

SVJB(C)(RL) EXT

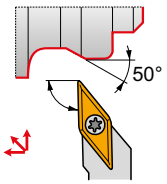
P M K N S H

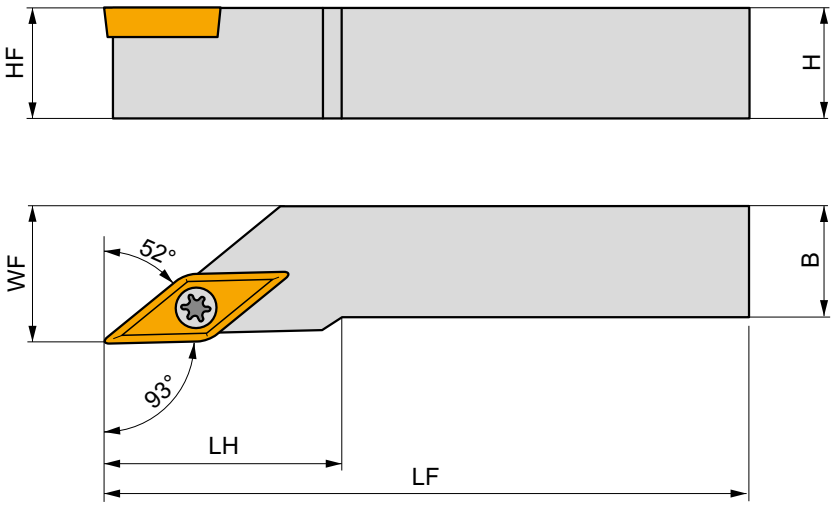
PRAMET

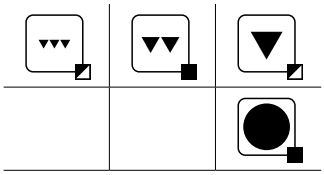
S

Portaherramientas de Exterior con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 hasta 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 50° y achaflanado. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SVJBR 1212 F 11	12	12	12	16	80	20	0	0	0.09	GI194	S01
	SVJBR 1616 H 11	16	16	16	20	100	20	0	0	0.20	GI194	S01
	SVJCR 1212 N 13	12	12	12	16	160	27	0	0	0.19	GI211	SV21
	SVJCR 1616 H 13	16	16	16	20	100	30	0	0	0.20	GI211	SV21
	SVJCR 2020 K 13	20	20	20	25	125	30	0	0	0.37	GI211	SV22
	SVJCR 2525 M 13	25	25	25	32	150	30	0	0	0.67	GI211	SV22
	SVJCR 2020 K 16-M-A	20	20	20	25	125	28	0	0	0.35	GI017	SV10
	SVJCR 2525 M 16-M-A	25	25	25	32	150	32	0	0	0.68	GI017	SV10
	SVJCR 3225 P 16-M-A	32	25	32	32	170	32	0	0	0.99	GI017	SV10
L	SVJBL 1212 F 11	12	12	12	16	80	20	0	0	0.09	GI194	S01
	SVJBL 1616 H 11	16	16	16	20	100	20	0	0	0.19	GI194	S01
	SVJCL 1212 N 13	12	12	12	16	160	27	0	0	0.19	GI211	SV21
	SVJCL 1616 H 13	16	16	16	20	100	30	0	0	0.20	GI211	SV21
	SVJCL 2020 K 13	20	20	20	25	125	30	0	0	0.37	GI211	SV22
	SVJCL 2525 M 13	25	25	25	32	150	30	0	0	0.67	GI211	SV22
	SVJCL 2020 K 16-M-A	20	20	20	25	125	28	0	0	0.40	GI017	SV10
	SVJCL 2525 M 16-M-A	25	25	25	32	150	32	0	0	0.70	GI017	SV10
	SVJCL 3225 P 16-M-A	32	25	32	32	170	32	0	0	0.99	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

SVJC(RL)-DC EXT

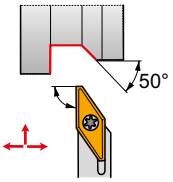
P M K N S H

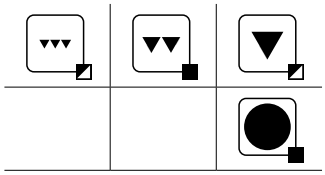
PRAMET

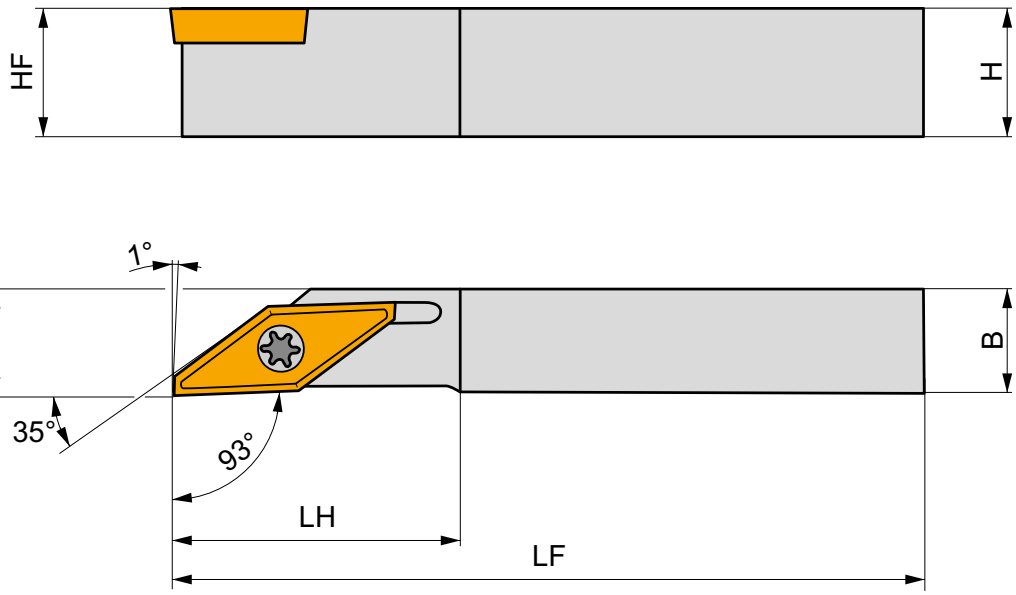
S

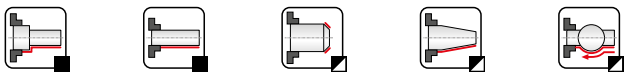
Portaherramientas de Exterior para Decoletaje con Fijación por Tornillo, a 93°, para Plaquitas VCGX 13

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VCGX 13 para decoletaje. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono, copiado hasta 50° y achaflanado. Disponible con mangos de 10x10 hasta 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SVJCR 1010 L 13-DC	10	10	10	0	140	25	0	0	0.12	GI222	SV20
	SVJCR 1212 L 13-DC	12	12	12	0	140	25	0	0	0.17	GI222	SV20
	SVJCR 1616 M 13-DC	16	16	16	0	150	25	0	0	0.29	GI222	SV20
	SVJCR 2020 M 13-DC	20	20	20	0	150	25	0	0	0.45	GI222	SV20
	SVJCR 2525 M 13-DC	25	25	25	0	150	25	0	0	0.68	GI222	SV20
L	SVJCL 1010 L 13-DC	10	10	10	0	140	25	0	0	0.12	GI222	SV20
	SVJCL 1212 L 13-DC	12	12	12	0	140	25	0	0	0.17	GI222	SV20
	SVJCL 1616 M 13-DC	16	16	16	0	150	25	0	0	0.30	GI222	SV20
	SVJCL 2020 M 13-DC	20	20	20	0	150	25	0	0	0.47	GI222	SV20
	SVJCL 2525 M 13-DC	25	25	25	0	150	25	0	0	0.69	GI222	SV20

GI222	VCGX 1303..

		Nm			
SV20	5513 020-24	1.5	M 3	8.5	PT-8002

SVPB(C)(RL) EXT

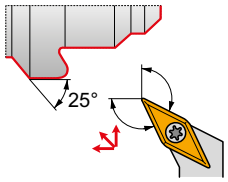
P M K N S H

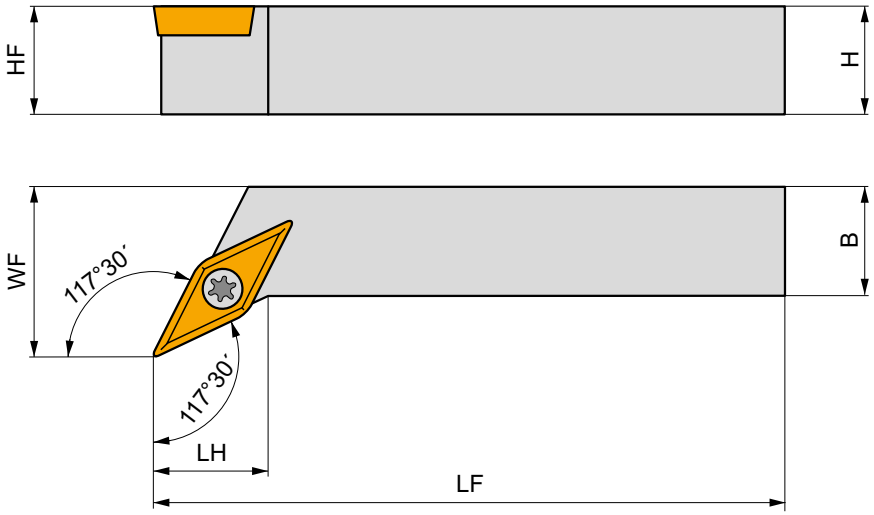
PRAMET

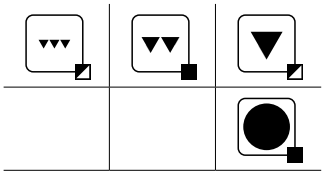
S

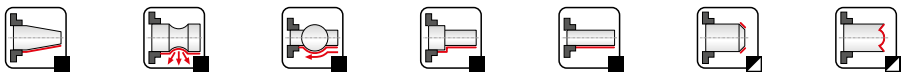
Portaherramientas de Exterior con Fijación por Tornillo, a 117,5°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 o 16. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono, refrentado en copia hasta 25° y achaflanado. Disponible con mangos de 16x16 hasta 32x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**SVPBR 1616 H 11**	16	16	16	20	100	12	0	0	0.20	GI194	S01
	SVPBR 2020 K 11	20	20	20	25	125	12	0	0	0.41	GI194	S01
	SVPCR 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.40	GI017	SV10
	SVPCR 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.75	GI017	SV10
	SVPCR 3225 P 16-M-A	32	25	32	32	170	25	0	0	1.10	GI017	SV10
L	**SVPBL 1616 H 11**	16	16	16	20	100	12	0	0	0.20	GI194	S01
	SVPBL 2020 K 11	20	20	20	25	125	12	0	0	0.39	GI194	S01
	SVPCL 2020 K 16-M-A	20	20	20	25	125	20	0	0	0.70	GI017	SV10
	SVPCL 2525 M 16-M-A	25	25	25	32	150	25	0	0	0.70	GI017	SV10
	SVPCL 3225 P 16-M-A	32	25	32	32	170	25	0	0	1.10	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5

SVVB(C)N EXT

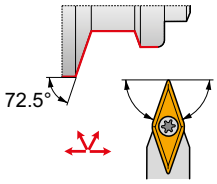
P M K N S H

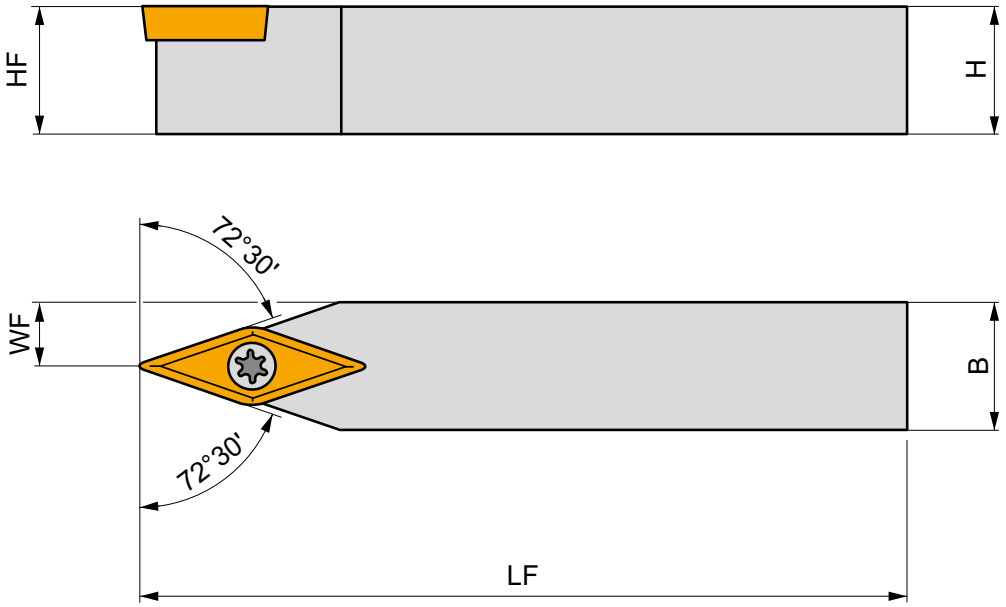
PRAMET

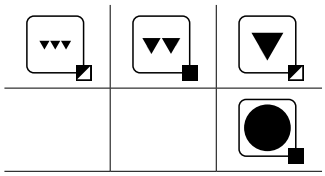
S

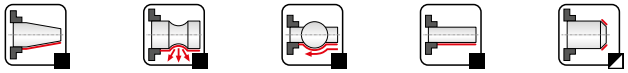
Portaherramientas de Exterior con Fijación por Tornillo, a 72,5°, para Plaquitas VB/VC..

Portaherramientas de exterior neutro con fijación por tornillo para plaquitas positivas VB.. de 11 o 16 y VC.. de 11 hasta 16. Adecuado para torneado longitudinal sin escuadra, torneado en cono o copia hasta 72.5° y achaflanado. Disponible con mangos de 12x12 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
N	**SVVBN 1212 F 11**	12	12	12	6	80	–	0	0	0.11	GI194	S01
	SVVBN 1616 H 11	16	16	16	8	100	–	0	0	0.18	GI194	S01
	SVVBN 2020 K 11	20	20	20	10	125	–	0	0	0.38	GI194	S01
	SVVCN 1212 N 13	12	12	12	6	160	–	0	0	0.19	GI211	SV21
	SVVCN 1616 H 13	16	16	16	8	100	–	0	0	0.20	GI211	SV21
	SVVCN 2020 K 13	20	20	20	10	125	–	0	0	0.36	GI211	SV22
	SVVCN 2525 M 13	25	25	25	12.5	150	–	0	0	0.66	GI211	SV22
	SVVCN 2020 K 16-M-A	20	20	20	10	125	–	0	0	0.34	GI017	SV10
	SVVCN 2525 M 16-M-A	25	25	25	12.5	150	–	0	0	0.68	GI017	SV10
	SVVCN 3225 P 16-M-A	32	25	32	12.5	170	–	0	0	0.98	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

SVXB(C)(RL) EXT

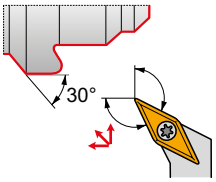
P M K N S H

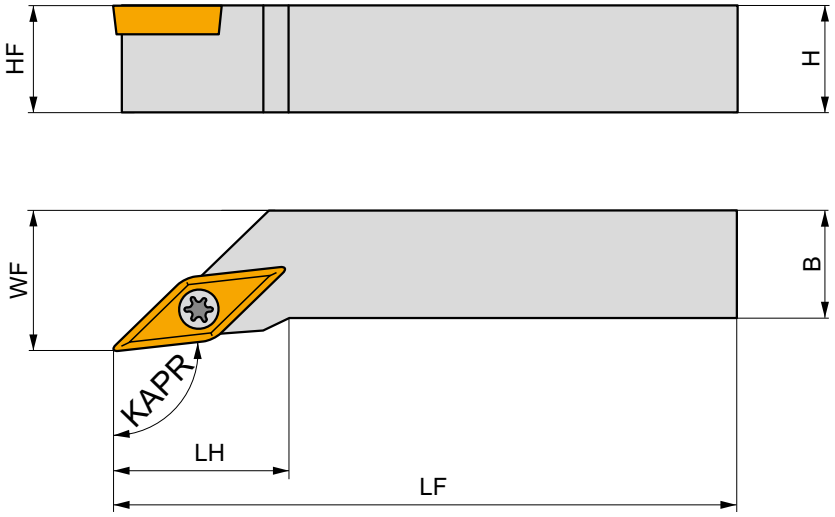
PRAMET

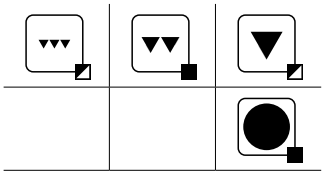
S

Portaherramientas de Exterior con Fijación por Tornillo a, 98/113°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas VB.. 11 o 16 y VC.. 11 hasta 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 30° y achaflanado. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	KAPR (°)	LAMS (°)	GAMO (°)	kg		
R	**SVXBR 1212 F 11**	12	12	12	16	80	20	98	0	0	0.09	GI194	SO1
	SVXBR 1616 H 11	16	16	16	20	100	14	98	0	0	0.19	GI194	SO1
	SVXCR 2020 K 13	20	20	20	25	125	12	113	0	0	0.38	GI211	SV22
	SVXCR 2020 K 16-M-A	20	20	20	25	125	28	98	0	0	0.41	GI017	SV10
	SVXCR 2525 M 16-M-A	25	25	25	32	150	32	98	0	0	0.68	GI017	SV10
	SVXCR 3225 P 16-M-A	32	25	32	32	170	32	98	0	0	1.00	GI017	SV10
L	**SVXBL 1212 F 11**	12	12	12	16	80	20	98	0	0	0.09	GI194	SO1
	SVXBL 1616 H 11	16	16	16	20	100	14	98	0	0	0.19	GI194	SO1
	SVXCL 2020 K 13	20	20	20	25	125	12	113	0	0	0.38	GI211	SV22
	SVXCL 2020 K 16-M-A	20	20	20	25	125	28	98	0	0	0.38	GI017	SV10
	SVXCL 2525 M 16-M-A	25	25	25	32	150	32	98	0	0	0.69	GI017	SV10
	SVXCL 3225 P 16-M-A	32	25	32	32	170	32	98	0	0	0.99	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
SO1	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

NEW

C.-SVHB(RL) EXT

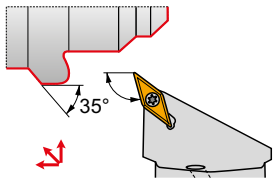
P M K N S H

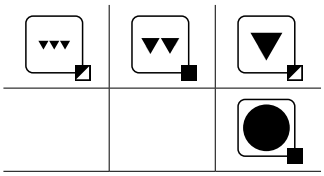
PRAMET

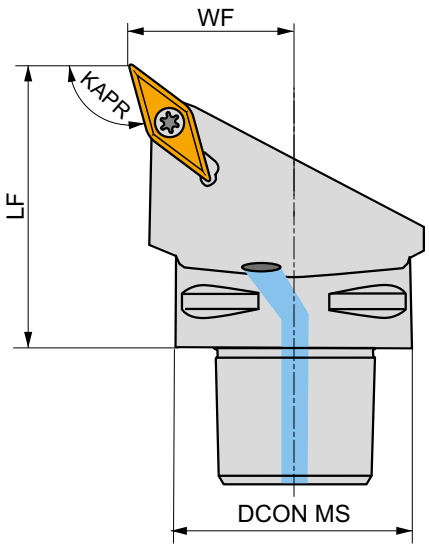
S

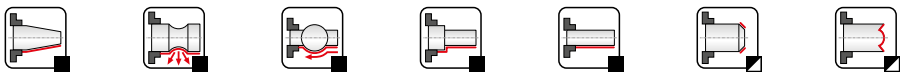
Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 107,5°, Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y refrigeración interna para plaquitas positivas VB.. 16 y VC.. 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 35° y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-SVHBR-27050-16	40	27	50	107.5	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVHBR-35060-16	50	35	60	107.5	0	0	✓	0.64	GI017	C-SV16S-2
	C6-SVHBR-45065-16	63	45	65	107.5	0	0	✓	1.13	GI017	C-SV16S-2
L	C4-SVHBL-27050-16	40	27	50	107.5	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVHBL-35060-16	50	35	60	107.5	0	0	✓	0.64	GI017	C-SV16S-2
	C6-SVHBL-45065-16	63	45	65	107.5	0	0	✓	1.12	GI017	C-SV16S-2

GI017	VB.. 1604..	VC.. 1604..

		Nm						
C-SV16S-1	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SV16S-2	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-02

NEW

C.-SVJB(RL) EXT

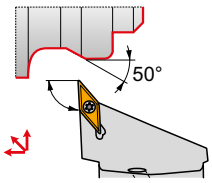
P M K N S H

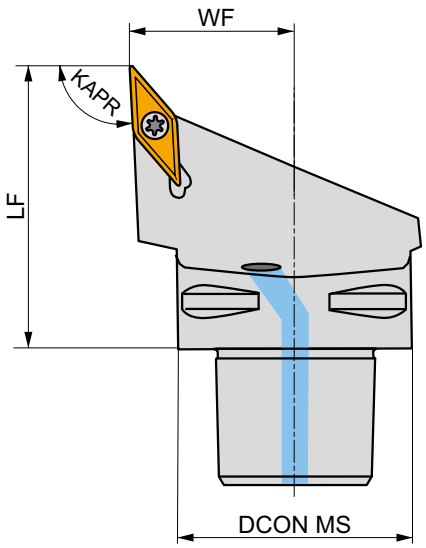
PRAMET

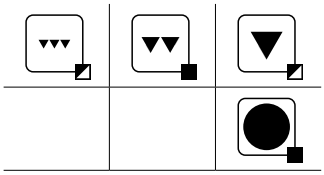
S

Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo y refrigeración interna para plaquitas positivas VB.. 11 o 16 y VC.. 11 hasta 16. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 50° y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C6. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C3-SVJBR-22040-11-B1	32	22	40	93	0	0	✓	0.17	GI194	C-SV11
	C4-SVJBR-27050-11-B1	40	27	50	93	0	0	✓	0.34	GI194	C-SV11
	C4-SVJBR-27050-16	40	27	50	93	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVJBR-35060-16	50	35	60	93	0	0	✓	0.63	GI017	C-SV16S-2
	C6-SVJBR-45065-16	63	45	65	93	0	0	✓	1.11	GI017	C-SV16S-2
L	C4-SVJBL-27050-16	40	27	50	93	0	0	✓	0.35	GI017	C-SV16S-1
	C5-SVJBL-35060-16	50	35	60	93	0	0	✓	0.64	GI017	C-SV16S-2
	C6-SVJBL-45065-16	63	45	65	93	0	0	✓	1.11	GI017	C-SV16S-2

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..

		Nm						
C-SV11	US 2003-T07P	0.8	M 2.5	6.5	–	–	FLAG T07P	CN 034-01
C-SV16S-1	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SV16S-2	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-02

NEW

C.-SVVBN EXT

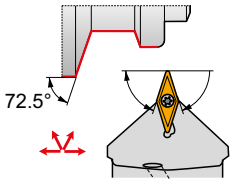
P M K N S H

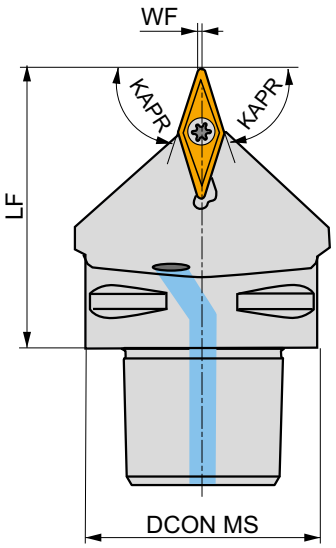
PRAMET

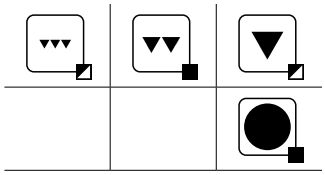
S

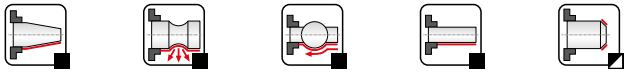
Herramienta de Exterior PSC de Cambio Rápido con Fijación por Tornillo, a 72,5°, para Plaquitas VB/VC..

Portaherramientas de exterior neutro con fijación por tornillo para plaquitas positivas VB.. de 11 o 16 y VC.. de 11 hasta 16. Adecuado para torneado longitudinal sin escuadra, torneado en cono o copia hasta 72.5° y achaflanado. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamanos C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
N	**C4-SVVBN-00050-16**	40	0.6	50	72.5	0	0	✓	0.32	GI017	C-SV16S-1
	C5-SVVBN-00060-16	50	0.6	60	72.5	0	0	✓	0.56	GI017	C-SV16S-2
	C6-SVVBN-00065-16	63	0.6	65	72.5	0	0	✓	0.99	GI017	C-SV16S-2

GI017	VB.. 1604..	VC.. 1604..

		Nm						
C-SV16S-1	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-01
C-SV16S-2	US 2001-T15P	3.0	M 3.5	12.1	SVS 270-01	MS 9001	FLAG T15P/3,5	CN 034-02

SVJB(RL) INT

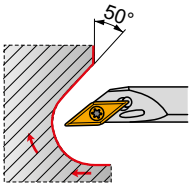
P M K N S H

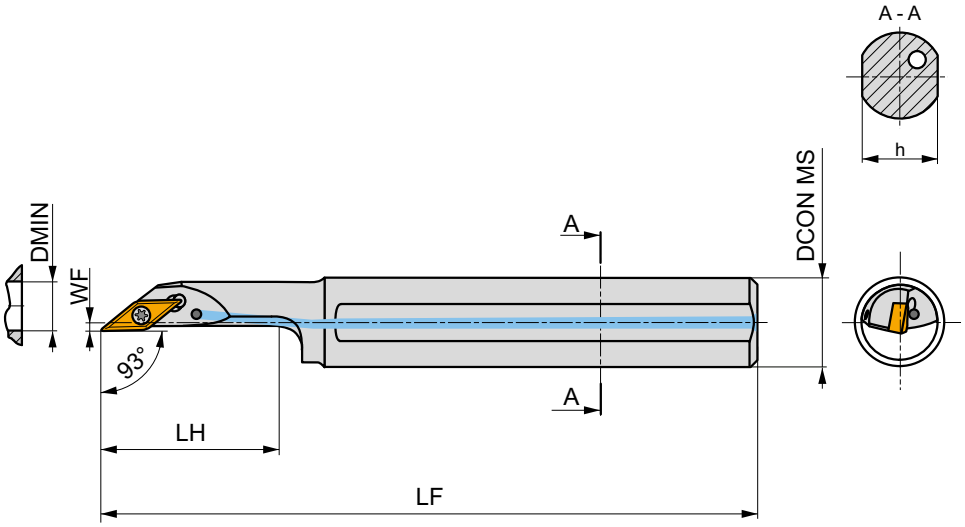
PRAMET

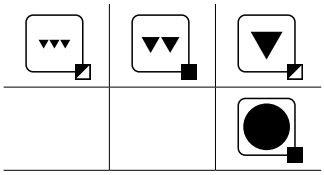
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas VB.. 11 y VC.. 11. Agujero mínimo de Ø25 mm. Adecuado para torneado frontal en copia por debajo de 50°. Disponible con mangos de Ø20 y Ø25. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	A20R-SVJBR 11	20	25	2	18	200	40	-5	-5	✓	0.44	GI194	S07
	A25S-SVJBR 11	25	32	3.5	23	250	50	-5	-5	✓	0.82	GI194	S07
L	A20R-SVJBL 11	20	25	2	18	200	40	-5	-5	✓	0.42	GI194	S07
	A25S-SVJBL 11	25	32	3.5	23	250	50	-5	-5	✓	0.82	GI194	S07

GI194	VB.. 1103..	VC.. 1103..

S07	US 2506-T07P	0.9 Nm	M 2.5	6.3	FLAG T07P

SVLC(RL) INT

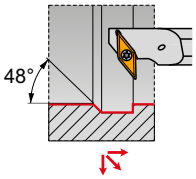
P M K N S H

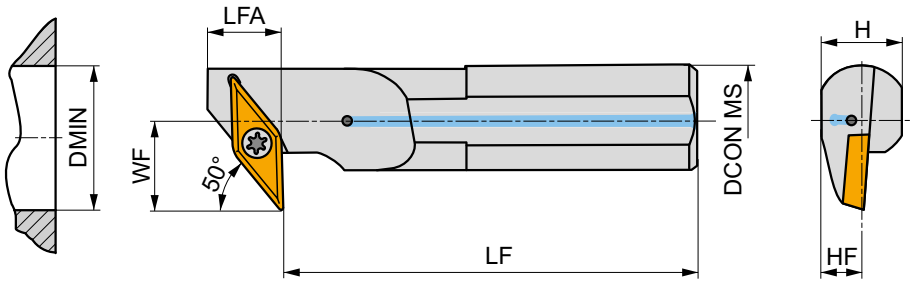
PRAMET

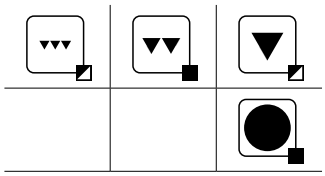
S

Portaherramientas de Interior con Fijación por Tornillo, a 50°, para Plaquitas VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 50° para plaquitas positivas VC.. 13. Agujero mínimo de Ø27 mm. Para una amplia gama de operaciones de torneado interior a tracción y copiado por debajo de 48°. Disponible con mangos de Ø20 hasta Ø32. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	LF (mm)	HF (mm)	LFA (mm)	LAMS (°)	GAMO (°)		kg		
R	A20S-SVLCR 13-X	20	27	15	18	250	9	15	-4	-2	✓	0.57	GI211	SV21
	A25T-SVLCR 13-X	25	35	20	24	300	12	18	-2	-2	✓	1.01	GI211	SV22
	A32T-SVLCR 13-X	32	43	25	30	300	15	18	-1	-2	✓	1.75	GI211	SV22
L	A20S-SVLCL 13-X	20	27	15	18	250	9	15	-4	-2	✓	0.57	GI211	SV21
	A25T-SVLCL 13-X	25	35	20	24	300	12	18	-2	-2	✓	0.05	GI211	SV22
	A32T-SVLCL 13-X	32	43	25	30	300	15	18	-1	-2	✓	1.75	GI211	SV22

GI211	VC.. 1303..

		Nm						
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

SVQB(C)(RL) INT

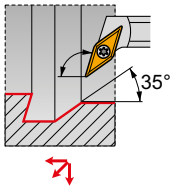
P M K N S H

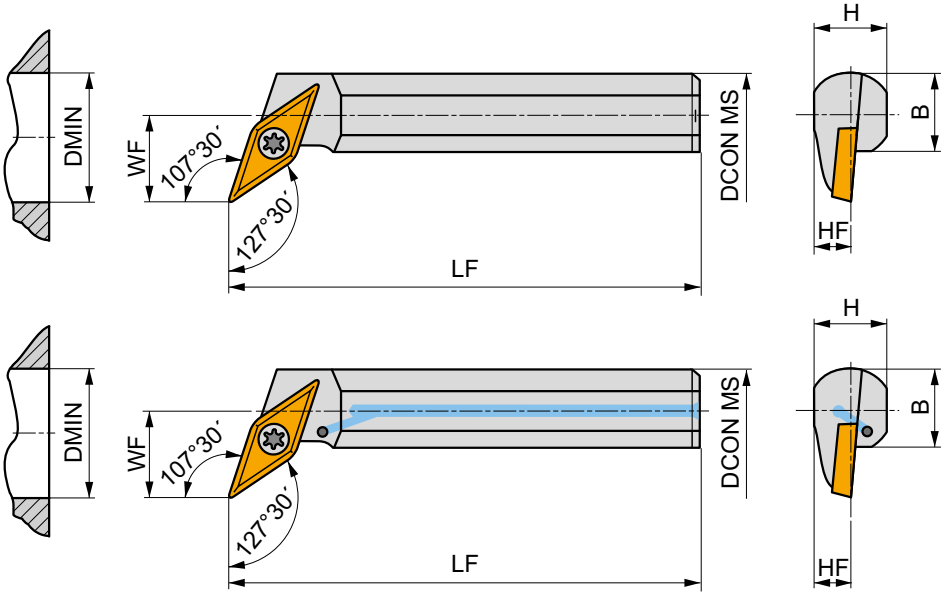
PRAMET

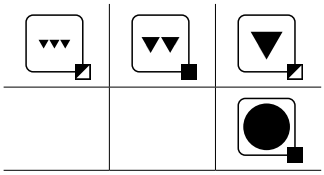
S

Portaherramientas de Interior con Fijación por Tornillo, a 107,5°, para Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 107,5° para plaquitas positivas VB../VC.. 11 y 16. Agujero mínimo de Ø20 mm. Para una amplia gama de operaciones de torneado interior. Disponible con mangos de Ø16 a Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A16R-SVQBR 11	16	20	11	14.5	15	200	-5	0	✓	0.33	GI194	S01
	A20S-SVQBR 11	20	25	13	18	18.5	250	-4	0	✓	0.58	GI194	S01
	A16R-SVQCR 13	16	21	11	15	15	200	-6	0	✓	0.30	GI211	SV21
	A20S-SVQCR 13	20	25	13	18	18.5	250	-4	0	✓	0.12	GI211	SV21
	S25T-SVQCR 16	25	32	17	23	23	300	-7	0	–	1.10	GI017	S08
	S32U-SVQCR 16	32	40	22	30	30	350	-5	0	–	2.07	GI017	S08
	S40V-SVQCR 16-A	40	50	27	38	38	400	-5	0	–	3.80	GI017	SV10
L	A16R-SVQBL 11	16	20	11	14.5	15	200	-5	0	✓	0.33	GI194	S01
	A20S-SVQBL 11	20	25	13	18	18.5	250	-4	0	✓	0.58	GI194	S01
	A16R-SVQCL 13	16	21	11	15	15	200	-6	0	✓	0.29	GI211	SV21
	A20S-SVQCL 13	20	25	13	18	18.5	250	-4	0	✓	0.54	GI211	SV21
	S25T-SVQCL 16	25	32	17	23	23	300	-7	0	–	1.09	GI017	S08
	S32U-SVQCL 16	32	40	22	30	30	350	-5	0	–	2.07	GI017	S08
	S40V-SVQCL 16-A	40	50	27	38	38	400	-5	0	–	4.10	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–

SVUB(C)(RL) INT

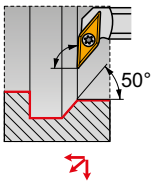
P M K N S H

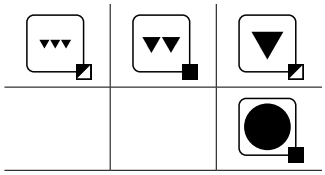
PRAMET

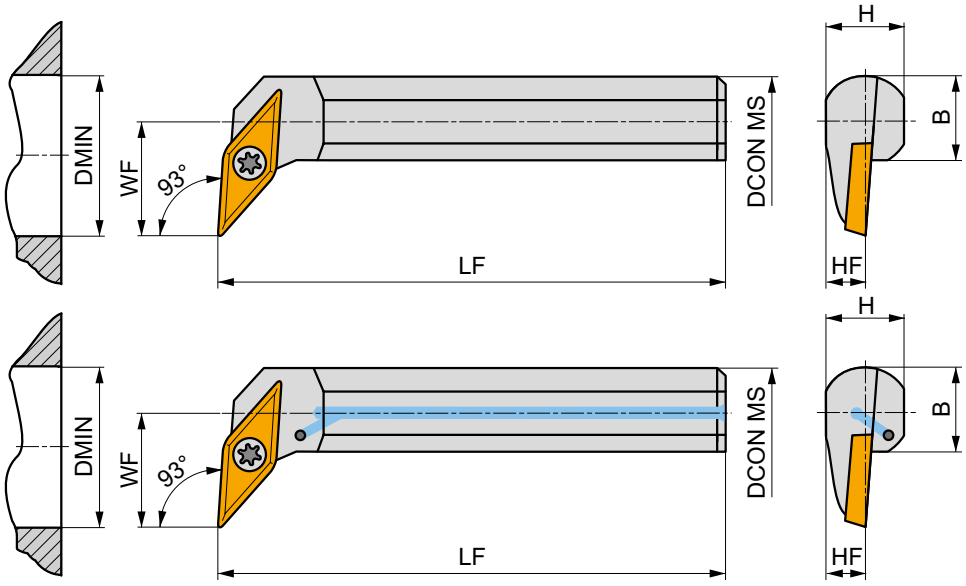
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna disponible y ángulo de posición de 93° para plaquitas positivas VB../VC.. de 11 a 16. Agujero mínimo de Ø20 mm. Para una amplia gama de operaciones de torneado interior y copiado por debajo de 50°. Disponible con mangos de Ø16 a Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A16R-SVUBR 11	16	20	11	14.5	15	200	-5	0	✓	0.34	GI194	S01
	A20S-SVUBR 11	20	25	13	18	18.8	250	-4	0	✓	0.58	GI194	S01
	A20S-SVUCR 13	20	25	13	19	18.5	250	-4	2	✓	0.40	GI211	SV21
	A25T-SVUCR 13	25	32	17	24	23	300	-2	2	✓	0.96	GI211	SV22
	A32T-SVUCR 13	32	40	22	30	30	300	-1	2	✓	1.70	GI211	SV22
	S25T-SVUCR 16	25	32	17	23	23	300	-7	0	–	1.10	GI017	S08
	S32U-SVUCR 16	32	40	22	30	30	350	-5	0	–	2.10	GI017	S08
	S40V-SVUCR 16-A	40	50	27	38	38	400	-5	0	–	4.10	GI017	SV10
L	A16R-SVUBL 11	16	20	11	14.5	15	200	-5	0	✓	0.34	GI194	S01
	A20S-SVUBL 11	20	25	13	18	18.5	250	-4	0	✓	0.58	GI194	S01
	A20S-SVUCL 13	20	25	13	19	18.5	250	-4	2	✓	0.32	GI211	SV21
	A25T-SVUCL 13	25	32	17	24	23	300	-2	2	✓	0.96	GI211	SV22
	A32T-SVUCL 13	32	40	22	30	30	300	-1	2	✓	1.70	GI211	SV22
	S25T-SVUCL 16	25	32	17	23	23	300	-7	0	–	1.10	GI017	S08
	S32U-SVUCL 16	32	40	22	30	30	350	-5	0	–	2.10	GI017	S08
	S40V-SVUCL 16-A	40	50	27	38	38	400	-5	0	–	4.10	GI017	SV10

GI017	VB.. 1604..	VC.. 1604..
GI194	VB.. 1103..	VC.. 1103..
GI211	–	VC.. 1303..

		Nm						
S01	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–
S08	US 3510-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–
SV10	US 3512-T15P	3.0	M 3.5	12.6	SVN 160304	MS 3510	FLAG T15P	HXK 3.5
SV21	5513 020-24	1.5	M 3	8.5	–	–	PT-8002	–
SV22	DVF 0573	1.5	M 3	10.3	DAP 0331	DVT 0332	PT-8002	174.1-870

SVXC(RL) INT

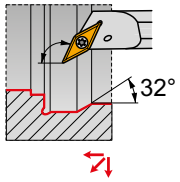
P M K N S H

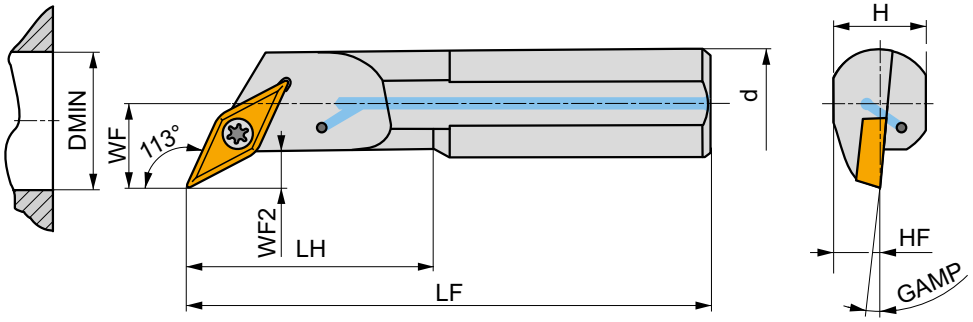
PRAMET

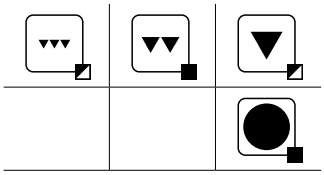
S

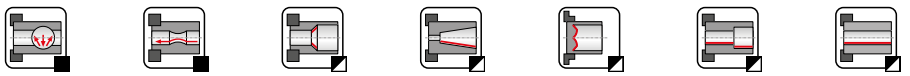
Portaherramientas de Interior con Fijación por Tornillo, a 113°, para Plaquitas VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 113° para plaquitas positivas VC.. 07. Agujero mínimo de Ø12,5 mm. Para una amplia gama de operaciones de torneado interior y copiado por debajo de 32°. Disponible con mangos de Ø10 hasta Ø16. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	LF (mm)	HF (mm)	LH (mm)	WF2 (mm)	GAMP (°)		kg		
R	A10H-SVXCR 07	10	12.5	7	9	100	4.5	22	3	-10	✓	0.06	GI234	SV23
	A12K-SVXCR 07	12	15.5	9	11	125	5.5	28	3	-8	✓	0.11	GI234	SV23
	A16M-SVXCR 07	16	17.5	11	15	150	7.5	36	3	-6	✓	0.19	GI234	SV23
L	A10H-SVXCL 07	10	12.5	7	9	100	4.5	22	3	-10	✓	0.06	GI234	SV23
	A12K-SVXCL 07	12	15.5	9	11	125	5.5	28	3	-8	✓	0.11	GI234	SV23
	A16M-SVXCL 07	16	17.5	11	15	150	7.5	36	3	-6	✓	0.20	GI234	SV23

GI234	VC.. 0702..

SV23	DVF 3584	0.6 Nm	M 2	5.5	DMD 1650

SVXC(RL)-E INT

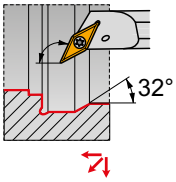
P M K N S H

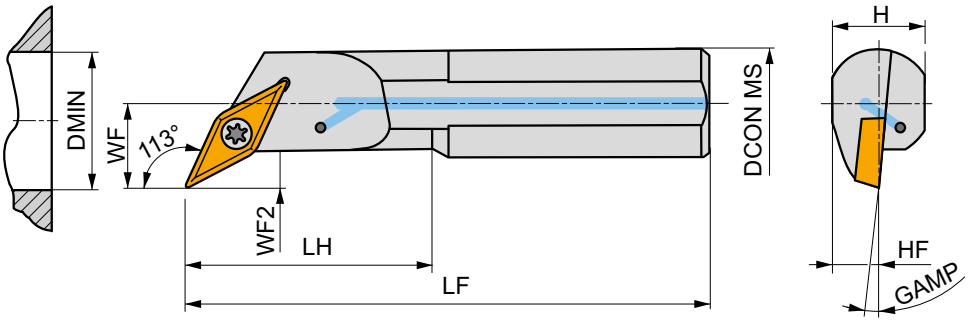
PRAMET

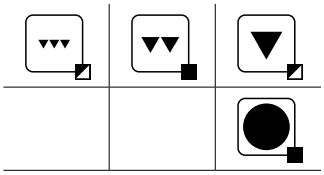
S

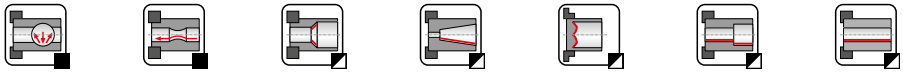
Portaherramientas de Interior de Metal Duro con Fijación por Tornillo, a 113°, para Plaquitas VC..

Portaherramientas de interior a derecha o izquierda de metal duro con fijación por tornillo, refrigeración interna y ángulo de posición de 113° para plaquitas positivas VC.. 07. Agujero mínimo de Ø12,5 mm. Para una amplia gama de operaciones de torneado interior y copiado por debajo de 32°. Disponible con mangos de Ø10 hasta Ø16. Para voladizo > 3xD.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	WF2 (mm)	GAMP (°)		kg		
R	**E10H-SVXCR 07**	10	12.5	7	9	4.5	100	22	3	-10	✓	0.10	GI234	SV23
	E12K-SVXCR 07	12	15.5	9	11	5.5	125	28	3	-8	✓	0.19	GI234	SV23
	E16M-SVXCR 07	16	17.5	11	15	7.5	150	36	3	-6	✓	0.33	GI234	SV23
L	**E10H-SVXCL 07**	10	12.5	7	9	4.5	100	22	3	-10	✓	0.10	GI234	SV23
	E12K-SVXCL 07	12	15.5	9	11	5.5	125	28	3	-8	✓	0.19	GI234	SV23
	E16M-SVXCL 07	16	17.5	11	15	7.5	150	36	3	-6	✓	0.33	GI234	SV23

GI234	VC.. 0702..

		Nm			
SV23	DVF 3584	0.6	M 2	5.5	DMD 1650

NEW

C.-SVQB(RL) INT

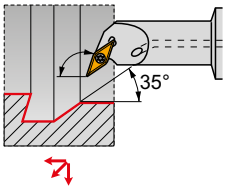
P M K N S H

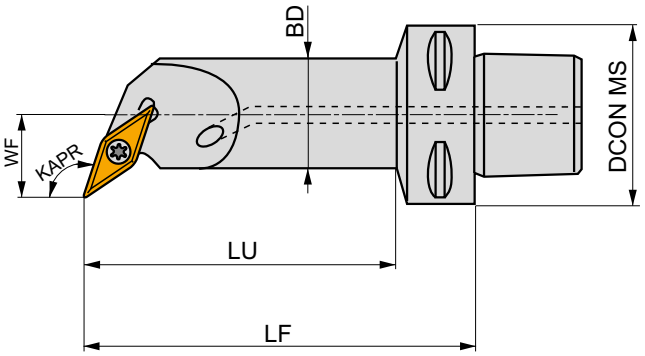
PRAMET

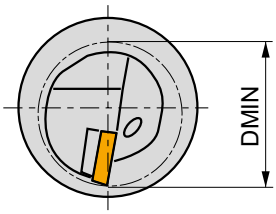
S

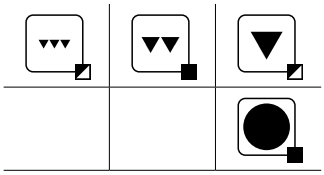
Herramienta de Interior PSC de Cambio Rápido con Fijación por Tornillo, a 107,5°, Plaquitas VB/VC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 107,5° para plaquitas positivas VB.. 16 o VC.. 16. Agujero mínimo de Ø33 mm. Para una amplia gama de operaciones de torneado interior. Mango PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 y C5 con opciones de longitud. Cuerpo tratado para mayor vida útil.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-SVQBR-18090-16	40	33	18	90	68	25	107.5	-7.2	0	✓	0.48	GI017	SV16
	C5-SVQBR-18090-16	50	33	18	90	67	25	107.5	-7.2	0	✓	0.67	GI017	SV16
L	C4-SVQBL-18090-16	40	33	18	90	68	25	107.5	-7.2	0	✓	0.48	GI017	SV16
	C5-SVQBL-18090-16	50	33	18	90	67	25	107.5	-7.2	0	✓	0.68	GI017	SV16

GI017	VB.. 1604..	VC.. 1604..

		Nm			
SV16	US 2010-T15P	3.0	M 3.5	10.1	FLAG T15P/3,5

WC

02/ 06/ 08/ 16

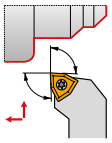
PLAQUITAS DE METAL DURO

WCGT	WCGX	WCMT
212	213	213

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
WCGT **02**0102E-FF2	A0508H-SWUCR 0**2**

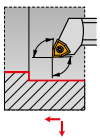
TORNEADO ISO - EXTERIOR

SWLC(RL) EXT

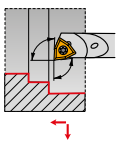
95°	WC..
	06 08
16×16 25×25	
215	212 – 214

TORNEADO ISO - INTERIOR

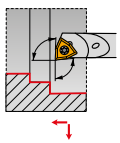
SWLC(RL) INT

95°	WC..
	06 08
25 40	
216	212 – 214

SWUC(RL) INT

93°	WC..
	02
5,8 7,8	
217	212 – 214

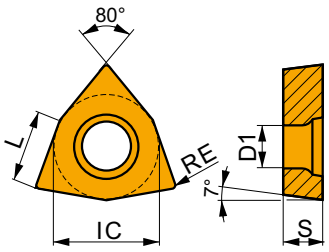
SWUC(RL)-E INT

93°	WC..
	02
5,8 7,8	
218	212 – 214

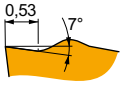
WCGT

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0201	3.970	2.20	2.70	1.59
06T3	9.525	4.40	6.50	3.97
0804	12.700	5.50	8.70	4.76



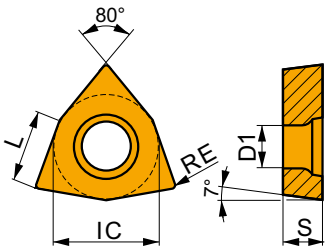
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			F																	
Geometría AL con un diseño muy positivo para operaciones de acabado fino a desbaste, con corte contínuo y ligeramente interrumpido.																				
WCGT 06T302F-AL	**HF7**	0.2	–	–	–	–	–	–	–	–	–	■ 450	0.12	1.0	–	–	–	–	–	–
WCGT 06T304F-AL	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 360	0.24	1.0	–	–	–	–	–	–
	T0315	0.4	–	–	–	–	–	–	–	–	–	■ 525	0.24	1.0	–	–	–	–	–	–
WCGT 06T308F-AL	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 315	0.48	1.5	–	–	–	–	–	–
WCGT 080412F-AL	**HF7**	1.2	–	–	–	–	–	–	–	–	–	■ 255	0.72	2.4	–	–	–	–	–	–
	T0315	1.2	–	–	–	–	–	–	–	–	–	■ 375	0.72	2.4	–	–	–	–	–	–
																				
			U		E															
Geometría FF2 con un diseño muy positivo para operaciones de acabado y acabado fino con corte contínuo y ligeramente interrumpido.																				
WCGT 020102E-FF2	**HF7**	0.2	–	–	–	–	–	–	■ 210	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.2	■ 205	0.05	0.8	–	–	–	■ 190	0.05	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.2	■ 280	0.05	0.8	–	–	–	◪ 230	0.05	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.2	■ 345	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WCGT 020104E-FF2	**HF7**	0.4	–	–	–	–	–	–	■ 155	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.4	■ 170	0.12	0.8	–	–	–	■ 160	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	■ 205	0.12	0.8	–	–	–	◪ 170	0.12	0.8	–	–	–	–	–	–	–	–	–
	TT010	0.4	■ 350	0.06	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

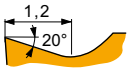
WCGX

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0201	3.970	2.20	2.70	1.59



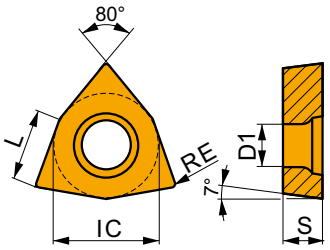
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría JZ con diseño a izquierda para acabado fino con corte contínuo.																	
WCGX 020102FL-JZ	**TT010**	0.2	■ 330	0.06	0.5	◪ 195	0.05	0.5	–	–	–	–	–	–	–	–	–	–	–	–

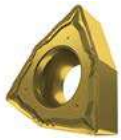
WCMT

PRAMET

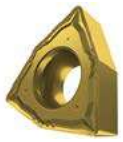
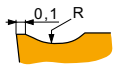
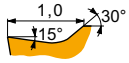
	IC (mm)	D1 (mm)	L (mm)	S (mm)
06T3	9.525	4.40	6.50	3.97
0804	12.700	5.50	8.70	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
WCMT 06T304E-FM	**T7325**	0.4	◪ 195	0.15	1.2	■ 150	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.4	◪ 190	0.15	1.2	■ 145	0.15	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	◪ 180	0.15	1.2	■ 105	0.14	1.2	◪ 170	0.15	1.2	◪ 540	0.18	1.2	–	–	–	–	–	–
	T8330	0.4	■ 170	0.15	1.2	■ 100	0.14	1.2	◪ 160	0.15	1.2	◪ 510	0.18	1.2	–	–	–	–	–	–
	T8430	0.4	■ 200	0.15	1.2	■ 110	0.14	1.2	◪ 165	0.15	1.2	◪ 555	0.18	1.2	–	–	–	–	–	–
	T9315	0.4	■ 275	0.15	1.2	–	–	–	◪ 260	0.15	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 245	0.15	1.2	■ 145	0.15	1.2	◪ 230	0.15	1.2	–	–	–	–	–	–	–	–	–
WCMT 06T308E-FM	**T7325**	0.8	◪ 215	0.20	1.2	■ 165	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	◪ 205	0.20	1.2	■ 155	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	◪ 195	0.20	1.2	■ 115	0.18	1.2	◪ 185	0.20	1.2	◪ 585	0.24	1.2	–	–	–	–	–	–
	T8330	0.8	■ 185	0.20	1.2	■ 110	0.18	1.2	◪ 175	0.20	1.2	◪ 555	0.24	1.2	–	–	–	–	–	–
	T8430	0.8	■ 210	0.20	1.2	■ 115	0.18	1.2	◪ 175	0.20	1.2	◪ 585	0.24	1.2	–	–	–	–	–	–
	T9315	0.8	■ 290	0.20	1.2	–	–	–	◪ 275	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 260	0.20	1.2	■ 155	0.18	1.2	◪ 245	0.20	1.2	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
			Geometría FM para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
WCMT 080404E-FM	**T7325**	0.4	190	0.15	1.7	145	0.15	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	170	0.15	1.7	100	0.14	1.7	160	0.15	1.7	510	0.18	1.7	–	–	–	–	–	–
	T8330	0.4	165	0.15	1.7	95	0.14	1.7	155	0.15	1.7	495	0.18	1.7	–	–	–	–	–	–
	T8430	0.4	195	0.15	1.7	105	0.14	1.7	160	0.15	1.7	540	0.18	1.7	–	–	–	–	–	–
	T9315	0.4	265	0.15	1.7	–	–	–	250	0.15	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.15	1.7	140	0.15	1.7	225	0.15	1.7	–	–	–	–	–	–	–	–	–
WCMT 080408E-FM	**T7325**	0.8	205	0.20	1.7	155	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	200	0.20	1.7	155	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	190	0.20	1.7	110	0.18	1.7	180	0.20	1.7	570	0.24	1.7	–	–	–	–	–	–
	T8330	0.8	180	0.20	1.7	105	0.18	1.7	170	0.20	1.7	540	0.24	1.7	–	–	–	–	–	–
	T8430	0.8	205	0.20	1.7	110	0.18	1.7	170	0.20	1.7	570	0.24	1.7	–	–	–	–	–	–
	T9315	0.8	280	0.20	1.7	–	–	–	265	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	250	0.20	1.7	150	0.18	1.7	235	0.20	1.7	–	–	–	–	–	–	–	–	–
WCMT 080412E-FM	**T8330**	1.2	175	0.27	1.7	105	0.24	1.7	165	0.27	1.7	525	0.32	1.7	–	–	–	–	–	–
	T8430	1.2	190	0.27	1.7	105	0.24	1.7	155	0.27	1.7	525	0.32	1.7	–	–	–	–	–	–
	T9325	1.2	235	0.27	1.7	140	0.24	1.7	220	0.27	1.7	–	–	–	–	–	–	–	–	–
	 I.C. 9,525 12,7 / R 1,5 2,5		Geometría RF para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
WCMT 06T308E-RF	**T7335**	0.8	165	0.20	1.5	125	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
WCMT 080412E-RF	**T7335**	1.2	160	0.22	2.2	120	0.22	2.2	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría UR para acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
WCMT 06T308E-UR	**T7325**	0.8	185	0.20	1.2	140	0.18	1.2	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.8	250	0.20	1.2	–	–	–	235	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.20	1.2	135	0.18	1.2	210	0.20	1.2	–	–	–	–	–	–	–	–	–

SWLC(RL) EXT

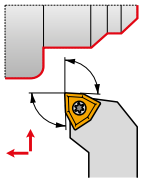
P M K N S H

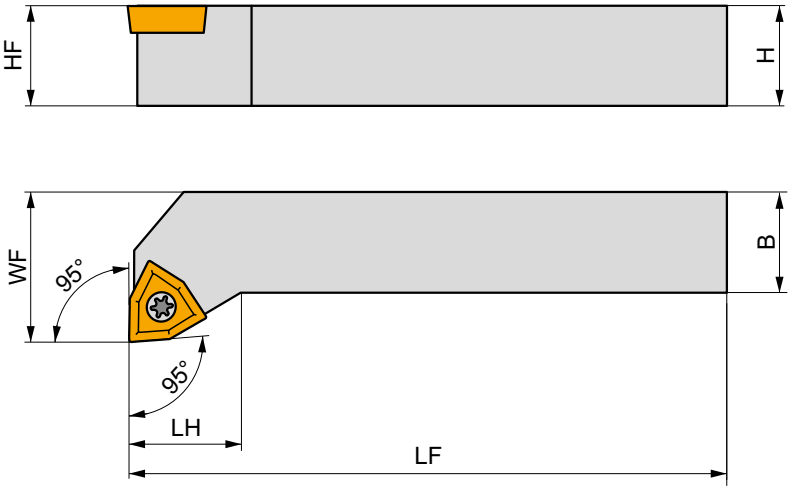
PRAMET

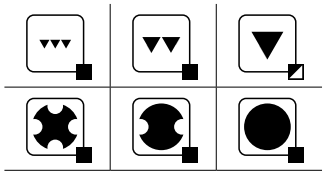
S

Portaherramientas de Exterior con Fijación por Tornillo, a 95°, para Plaquitas WC..

Portaherramientas de exterior a derecha o izquierda con fijación por tornillo para plaquitas positivas WC.. 06 o 08. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono y achaflanado. Disponible con mangos de 16x16 hasta 25x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	SWLCR 1616 H 06	16	16	16	20	100	15	0	0	0.24	GI055	S04
	SWLCR 2020 K 06	20	20	20	25	125	15	0	0	0.40	GI055	S04
	SWLCR 2525 M 08	25	25	25	32	150	20	0	0	0.77	GI049	S09
L	SWLCL 1616 H 06	16	16	16	20	100	15	0	0	0.23	GI055	S04
	SWLCL 2020 K 06	20	20	20	25	125	15	0	0	0.40	GI055	S04
	SWLCL 2525 M 08	25	25	25	32	150	20	0	0	0.75	GI049	S09

GI049	WC.. 0804..
GI055	WC.. 06T3..

		Nm			
S04	US 3510-T15P	3.0	M 3.5	10.6	FLAG T15P
S09	US 4512-T15P	5.0	M 4.5	12.2	FLAG T15P

SWLC(RL) INT

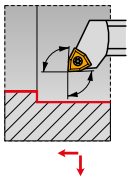
P M K N S H

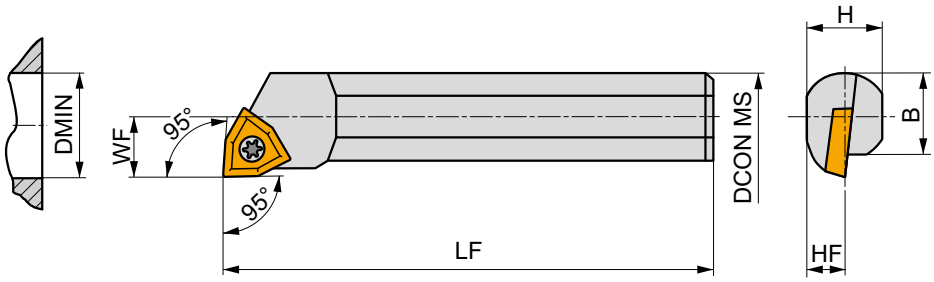
PRAMET

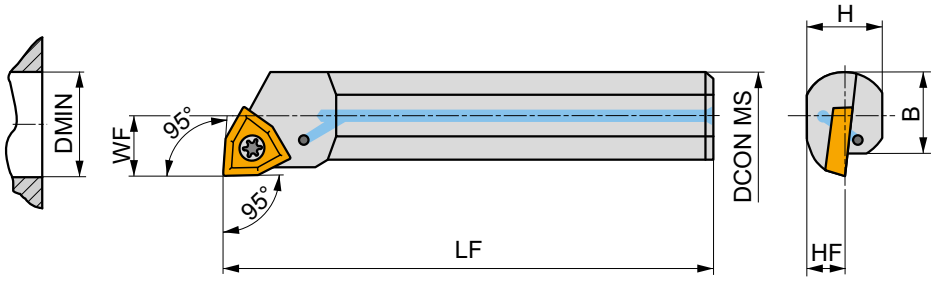
S

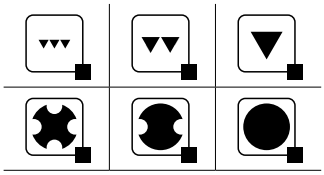
Portaherramientas de Interior con Fijación por Tornillo, a 95°, para Plaquitas WC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 95° para plaquitas positivas WC.. 06 y 08. Agujero mínimo de Ø25 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø20 a Ø32. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A20Q-SWLCR 06	20	25	13	18	18.5	180	-7	0	✓	0.37	GI055	S04
	S20S-SWLCR 06	20	25	13	18	18.5	250	-7	0	–	0.62	GI055	S04
	A25R-SWLCR 06	25	32	17	23	23	200	-7	0	✓	0.70	GI055	S04
	S25T-SWLCR 06	25	32	17	23	23	300	-7	0	–	1.15	GI055	S04
	A25R-SWLCR 08	25	32	17	23	23	200	-7	0	✓	0.70	GI049	S04
	A32S-SWLCR 08	32	40	22	30	30	250	-5	0	✓	1.32	GI049	S09
	S32U-SWLCR 08	32	40	22	30	30	350	-5	0	–	2.05	GI049	S09
L	A20Q-SWLCL 06	20	25	13	18	18.5	180	-7	0	✓	0.00	GI055	S04
	S20S-SWLCL 06	20	25	13	18	18.5	250	-7	0	–	0.60	GI055	S04
	A25R-SWLCL 06	25	32	17	23	23	200	-7	0	✓	0.70	GI055	S04
	S25T-SWLCL 06	25	32	17	23	23	300	-7	0	–	1.15	GI055	S04
	A25R-SWLCL 08	25	32	17	23	23	200	-7	0	✓	0.70	GI049	S04
	A32S-SWLCL 08	32	40	22	30	30	250	-5	0	✓	1.32	GI049	S09
	S32U-SWLCL 08	32	40	22	30	30	350	-5	0	–	4.10	GI049	S09

GI049	WC.. 0804..
GI055	WC.. 06T3..

		Nm			
S04	US 3510-T15P	3.0	M 3.5	10.6	FLAG T15P
S09	US 4512-T15P	5.0	M 4.5	12.2	FLAG T15P

SWUC(RL) INT

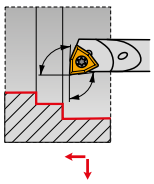
P M K N S H

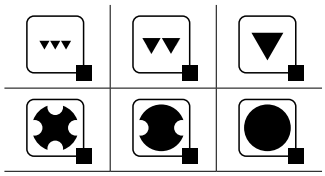
PRAMET

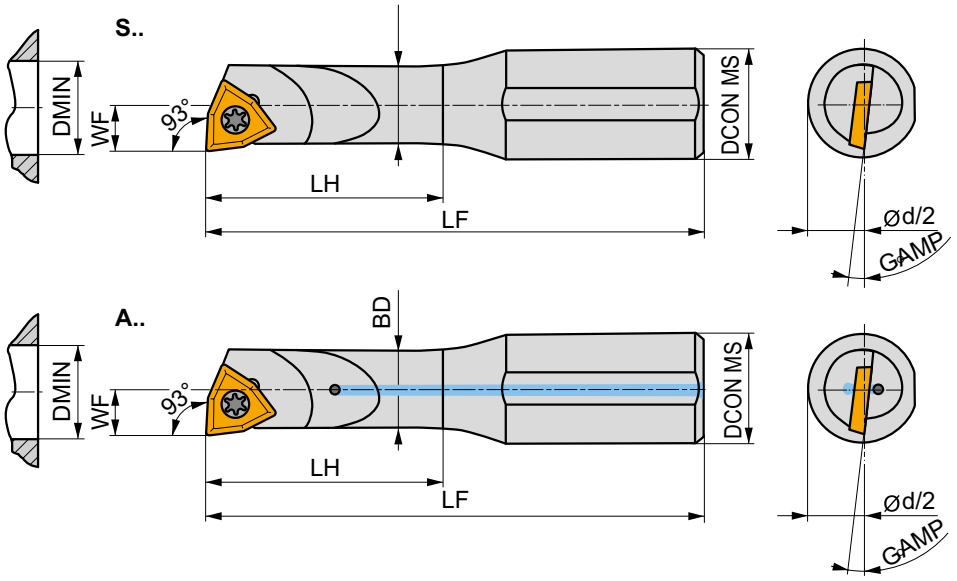
S

Portaherramientas de Interior con Fijación por Tornillo, a 93°, para Plaquitas WC..

Portaherramientas de interior a derecha o izquierda con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas WC.. 0201. Agujero mínimo de Ø5,8 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible sólo con mango de Ø8. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	LF (mm)	LH (mm)	GAMP (°)		kg		
R	A0508H-SWUCR 02	8	5.8	5	2.9	100	18	-17	✓	0.09	GI221	SW21
	S0508H-SWUCR 02	8	5.8	5	2.9	100	18	-17	–	0.04	GI221	SW21
	A0608H-SWUCR 02	8	7.8	6	3.9	100	24	-12	✓	0.04	GI221	SW21
	S0608H-SWUCR 02	8	7.8	6	3.9	100	24	-12	–	0.04	GI221	SW21
L	A0508H-SWUCL 02	8	5.8	5	2.9	100	18	-17	✓	0.04	GI221	SW21
	S0508H-SWUCL 02	8	5.8	5	2.9	100	18	-17	–	0.04	GI221	SW21
	A0608H-SWUCL 02	8	7.8	6	3.9	100	24	-12	✓	0.04	GI221	SW21
	S0608H-SWUCL 02	8	7.8	6	3.9	100	24	-12	–	0.04	GI221	SW21

GI221	WC.. 0201..

SW21	T20.037	0.6 Nm	M 2	3.7	DMD 1650

SWUC(RL)-E INT

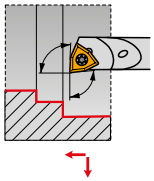
P M K N S H

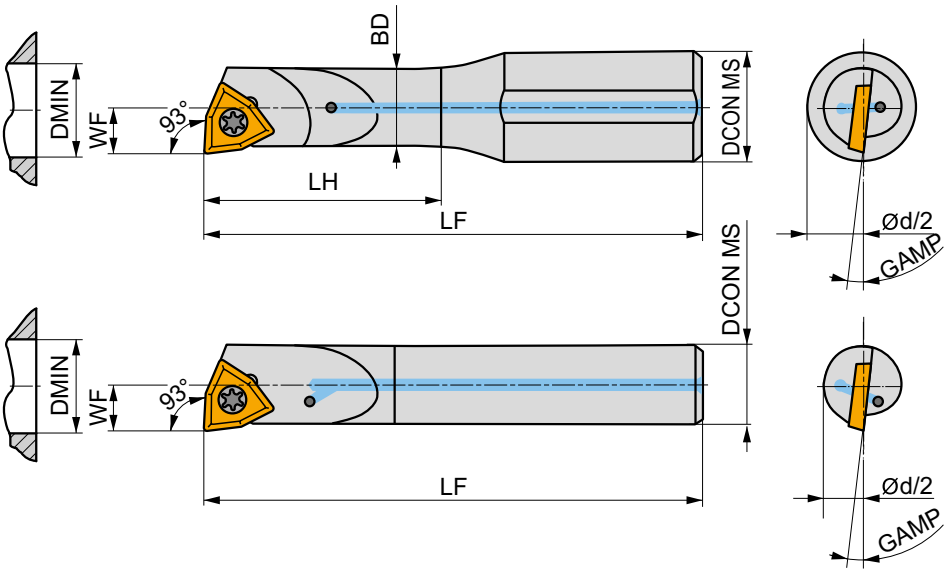
PRAMET

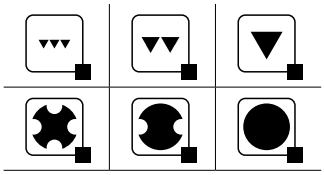
S

Portaherramientas de Interior de Metal Duro con Fijación por Tornillo, a 93°, para Plaquitas WC..

Portaherramientas de interior a derecha o izquierda de metal duro con fijación por tornillo, refrigeración interna y ángulo de posición de 93° para plaquitas positivas WC.. 0201. Agujero mínimo de Ø5,8 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø5 hasta Ø8. Para voladizo > 3xD.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	LF (mm)	LH (mm)	GAMP (°)		kg		
R	E0508H-SWUCR 02	8	5.8	5	2.9	100	24	-17	✓	0.06	GI221	SW21
	E05F-SWUCR 02	5	5.8	–	2.9	85	–	-17	✓	0.03	GI221	SW21
	E0608H-SWUCR 02	8	7.8	6	3.9	100	32	-12	✓	0.06	GI221	SW21
	E06G-SWUCR 02	6	7.8	–	3.9	95	–	-12	✓	0.04	GI221	SW21
L	E0508H-SWUCL 02	8	5.8	5	2.9	100	24	-17	✓	0.07	GI221	SW21
	E05F-SWUCL 02	5	5.8	–	2.9	85	–	-17	✓	0.03	GI221	SW21
	E0608H-SWUCL 02	8	7.8	6	3.9	100	32	-12	✓	0.06	GI221	SW21
	E06G-SWUCL 02	6	7.8	–	3.9	95	–	-12	✓	0.04	GI221	SW21

GI221	WC.. 0201..

SW21	T20.037	0.6	M 2	3.7	DMD 1650

PLAQUITAS DE CORTE NEGATIVAS

CN

09/ 12/ 16/ 19/ 25

PLAQUITAS DE METAL DURO

CNGG

222

CNMA

222

CNMG

223

CNMM

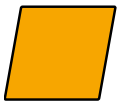
234

PLAQUITAS CER Y CBN

CNGA CER

238

CNGN CER



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CNGA CBN

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ENCONTRAR EL TAMANO CORRECTO (ejemplo)

Plaquita	Portaherramientas
CNMM **12**0412E-OR	DCBNR 2525 M **12**

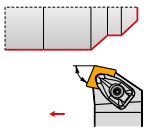
TORNEADO ISO - EXTERIOR

DCBN(RL) EXT

75°

CN..

12
16
19



20×20
40×40

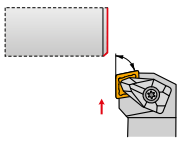
240 | 222 – 239

DCKN(RL) EXT

75°

CN..

12
16



20×20
32×32

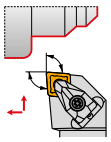
242 | 222 – 239

DCLN(RL) EXT

95°

CN..

09
12
16
19



16×16
40×40

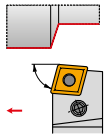
243 | 222 – 239

PCBN(RL) EXT

75°

CN..

12
16
19
25



20×20
50×50

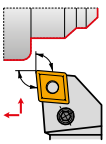
245 | 222 – 239

PCLN(RL) EXT

95°

CN..

12
16
19
25



20×20
50×50

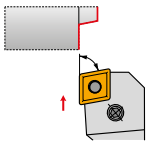
247 | 222 – 239

PCKN(RL) EXT

75°

CN..

12
16
19



20×20
40×40

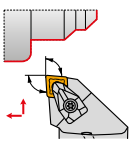
246 | 222 – 239

C.-DCLN(RL) EXT NEW

95°

CN..

12
16
19



C3
C8

249 | 222 – 239

CN

09/ 12/ 16/ 19/ 25

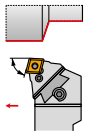
TORNEADO ISO - DESBASTE PESADO - EXTERIOR

KHP-CBNR + DKH(RL)

75°

CN..

25



40×50
60×80

251, 253

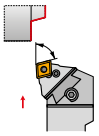
222 – 239

KHP-CBNL + DKH(RL)

75°

CN..

25



40×50
60×80

251, 253

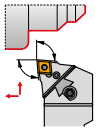
222 – 239

KHP-CLNR/L + DKH(RL)

95°

CN..

19
25



40×50
60×80

252, 253

222 – 239

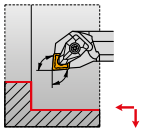
TORNEADO ISO - INTERIOR

DCLN(RL) INT

95°

CN..

09
12



ØDmin

32
50

254

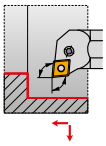
222 – 239

PCLN(RL) INT

95°

CN..

09
12
16
19



ØDmin

20
80

255

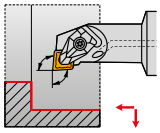
222 – 239

C.-DCLN(RL) INT NEW

95°

CN..

09
12
16



ØDmin

25
50

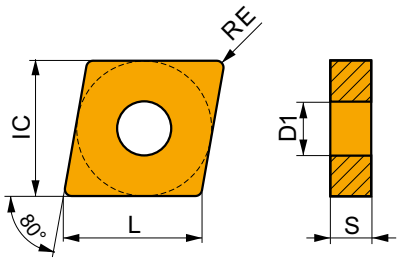
257

222 – 239

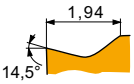
CNGG

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.90	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

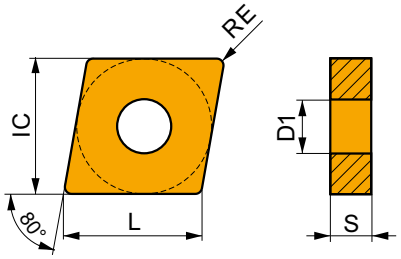
Producto	RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																			
CNGG 120402E-SF	**H07**	0.2	–	–	–	◪	105	0.09	1.0	■	165	0.10	1.0	◪	525	0.12	1.0	■	50	0.08	0.8		–	–	–
	T6310	0.2	■	195	0.10	1.0	■	140	0.09	1.0	■	155	0.10	1.0	◪	585	0.12	1.0	■	55	0.08	0.8	■	35	0.15	1.0
	T8315	0.2	◪	205	0.10	1.0	■	120	0.09	1.0	■	190	0.10	1.0	◪	615	0.12	1.0	◪	50	0.08	0.8	■	40	0.15	1.0
	T8330	0.2	■	195	0.10	1.0	■	115	0.09	1.0	■	185	0.10	1.0	◪	585	0.12	1.0	◪	45	0.08	0.8	◪	35	0.15	1.0
	T8430	0.2	■	240	0.10	1.0	■	130	0.09	1.0	◪	195	0.10	1.0	◪	660	0.12	1.0	◪	50	0.08	0.8	◪	40	0.15	1.0

Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.

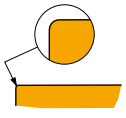
CNMA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.90	4.76
1606	15.875	6.35	16.10	6.35
1906	19.050	7.94	19.30	6.35

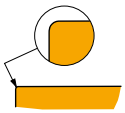
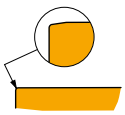


Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto	RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																			
CNMA 120404	**T5305**	0.4	–	–	–	–	–	–	■	235	0.10	4.0		–	–	–		–	–	–	◪	50	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	■	200	0.10	4.0		–	–	–		–	–	–	◪	40	0.15	1.0
CNMA 120408	**T5305**	0.8	–	–	–	–	–	–	■	220	0.20	4.0		–	–	–		–	–	–	◪	45	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	■	190	0.20	4.0		–	–	–		–	–	–	◪	40	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	■	100	0.20	4.0		–	–	–		–	–	–	◪	25	0.15	1.0
CNMA 120412	**T5305**	1.2	–	–	–	–	–	–	■	195	0.30	4.0		–	–	–		–	–	–	◪	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	■	180	0.30	4.0		–	–	–		–	–	–	◪	35	0.15	1.0
	T6310	1.2	–	–	–	–	–	–	■	95	0.30	4.0		–	–	–		–	–	–	◪	20	0.15	1.0
CNMA 120416	**T5305**	1.6	–	–	–	–	–	–	■	190	0.40	4.0		–	–	–		–	–	–	◪	40	0.15	1.0
	T5315	1.6	–	–	–	–	–	–	■	170	0.40	4.0		–	–	–		–	–	–	◪	35	0.15	1.0

Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.

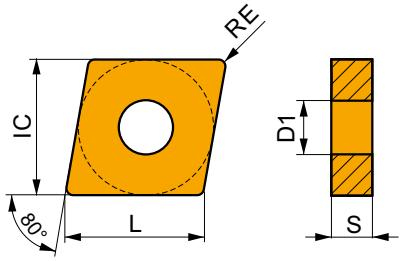
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			E																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
CNMA 160612	**T5305**	1.2	–	–	–	–	–	–	190	0.30	5.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	175	0.30	5.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	1.2	–	–	–	–	–	–	90	0.30	5.0	–	–	–	–	–	–	20	0.15	1.0
CNMA 160616	**T5305**	1.6	–	–	–	–	–	–	185	0.40	5.0	–	–	–	–	–	–	35	0.15	1.0
	T5315	1.6	–	–	–	–	–	–	165	0.40	5.0	–	–	–	–	–	–	35	0.15	1.0
CNMA 190612	**T5305**	1.2	–	–	–	–	–	–	190	0.30	6.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	170	0.30	6.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	1.2	–	–	–	–	–	–	85	0.30	6.0	–	–	–	–	–	–	20	0.15	1.0
CNMA 190616	**T5305**	1.6	–	–	–	–	–	–	180	0.40	6.0	–	–	–	–	–	–	35	0.15	1.0
	T5315	1.6	–	–	–	–	–	–	160	0.40	6.0	–	–	–	–	–	–	30	0.15	1.0
			S																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
CNMA 120408S	**T5305**	0.8	–	–	–	–	–	–	220	0.20	4.0	–	–	–	–	–	–	45	0.15	1.0
CNMA 120412S	**T5305**	1.2	–	–	–	–	–	–	190	0.40	4.0	–	–	–	–	–	–	40	0.15	1.0
CNMA 160612S	**T5305**	1.2	–	–	–	–	–	–	190	0.30	5.0	–	–	–	–	–	–	40	0.15	1.0
CNMA 190616S	**T5305**	1.6	–	–	–	–	–	–	180	0.40	6.0	–	–	–	–	–	–	35	0.15	1.0

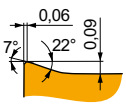
CNMG

PRAMET

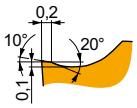
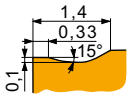
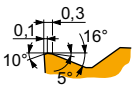
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0903	9.525	3.81	9.70	3.18
1204	12.700	5.16	12.90	4.76
1606	15.880	6.35	16.10	6.35
1906	19.050	7.94	19.30	6.35
2509	25.400	9.12	25.80	9.53



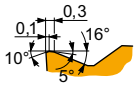
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			U	S																
			Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																	
CNMG 120404E-FF	**T7325**	0.4	235	0.12	1.0	180	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	220	0.12	1.0	130	0.11	1.0	205	0.12	1.0	–	–	–	–	–	–	–	–	–
CNMG 120408E-FF	**T7325**	0.8	265	0.15	1.0	205	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	245	0.15	1.0	145	0.14	1.0	230	0.15	1.0	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

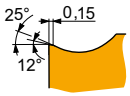
Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
CNMG 090304E-FM	**T7325**	0.4	195	0.20	1.4	150	0.18	1.4	–	–	–	–	–	–	60	0.16	1.1	–	–	–
	T8330	0.4	175	0.20	1.4	105	0.18	1.4	165	0.20	1.4	–	–	–	40	0.14	1.1	–	–	–
	T8430	0.4	195	0.20	1.4	105	0.18	1.4	160	0.20	1.4	–	–	–	40	0.14	1.1	–	–	–
	T9315	0.4	265	0.20	1.4	–	–	–	250	0.20	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.20	1.4	140	0.18	1.4	225	0.20	1.4	–	–	–	50	0.16	1.1	–	–	–
CNMG 090308E-FM	**T7325**	0.8	235	0.20	1.4	180	0.18	1.4	–	–	–	–	–	–	75	0.16	1.1	–	–	–
	T8330	0.8	205	0.20	1.4	120	0.18	1.4	190	0.20	1.4	–	–	–	50	0.14	1.1	–	–	–
	T8430	0.8	235	0.20	1.4	125	0.18	1.4	190	0.20	1.4	–	–	–	50	0.14	1.1	–	–	–
	T9315	0.8	315	0.20	1.4	–	–	–	295	0.20	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.8	285	0.20	1.4	170	0.18	1.4	270	0.20	1.4	–	–	–	60	0.16	1.1	–	–	–
CNMG 120404E-FM	**T7325**	0.4	185	0.20	2.1	140	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T7335	0.4	180	0.20	2.1	140	0.18	2.1	–	–	–	–	–	–	55	0.16	1.7	–	–	–
	T8315	0.4	175	0.20	2.1	105	0.18	2.1	165	0.20	2.1	–	–	–	40	0.14	1.7	–	–	–
	T8330	0.4	165	0.20	2.1	95	0.18	2.1	155	0.20	2.1	–	–	–	40	0.14	1.7	–	–	–
	T8430	0.4	190	0.20	2.1	105	0.18	2.1	155	0.20	2.1	–	–	–	40	0.14	1.7	–	–	–
	T9310	0.4	285	0.20	2.1	–	–	–	270	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9315	0.4	255	0.20	2.1	–	–	–	240	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.4	230	0.20	2.1	135	0.18	2.1	215	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
	TT310	0.4	260	0.20	2.1	155	0.18	2.1	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120408E-FM	**T7325**	0.8	220	0.20	2.1	170	0.18	2.1	–	–	–	–	–	–	70	0.16	1.7	–	–	–
	T7335	0.8	215	0.20	2.1	165	0.18	2.1	–	–	–	–	–	–	65	0.16	1.7	–	–	–
	T8315	0.8	205	0.20	2.1	120	0.18	2.1	190	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
	T8330	0.8	195	0.20	2.1	115	0.18	2.1	185	0.20	2.1	–	–	–	45	0.16	1.7	–	–	–
	T8430	0.8	225	0.20	2.1	120	0.18	2.1	185	0.20	2.1	–	–	–	45	0.16	1.7	–	–	–
	T9310	0.8	335	0.20	2.1	–	–	–	315	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9315	0.8	305	0.20	2.1	–	–	–	285	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.8	275	0.20	2.1	165	0.18	2.1	260	0.20	2.1	–	–	–	60	0.16	1.7	–	–	–
	TT310	0.8	310	0.20	2.1	185	0.18	2.1	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120412E-FM	**T7325**	1.2	210	0.27	2.1	160	0.24	2.1	–	–	–	–	–	–	65	0.19	1.7	–	–	–
	T9315	1.2	285	0.27	2.1	–	–	–	270	0.27	2.1	–	–	–	–	–	–	–	–	–
	T9325	1.2	255	0.27	2.1	150	0.24	2.1	240	0.27	2.1	–	–	–	55	0.19	1.7	–	–	–
																				
			Geometría KR para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
CNMG 120408E-KR	**T5305**	0.8	255	0.35	4.0	–	–	–	240	0.35	4.0	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.8	225	0.35	4.0	–	–	–	210	0.35	4.0	–	–	–	–	–	–	45	0.15	1.0
CNMG 120412E-KR	**T5305**	1.2	255	0.40	4.0	–	–	–	240	0.40	4.0	–	–	–	–	–	–	50	0.15	1.0
	T5315	1.2	230	0.40	4.0	–	–	–	215	0.40	4.0	–	–	–	–	–	–	45	0.15	1.0
																				
			Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																	
CNMG 090308E-M	**T9315**	0.8	230	0.32	1.8	–	–	–	215	0.32	1.8	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	205	0.32	1.8	–	–	–	190	0.32	1.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	180	0.32	1.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120404E-M	**T5315**	0.4	245	0.20	2.1	–	–	–	230	0.20	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9310	0.4	260	0.20	2.1	–	–	–	245	0.20	2.1	–	–	–	–	–	–	50	0.15	1.0
	T9315	0.4	235	0.20	2.1	–	–	–	220	0.20	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.4	210	0.20	2.1	–	–	–	195	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9335	0.4	180	0.20	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		

Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.

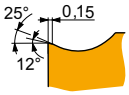
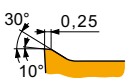
CNMG 120408E-M	**6640**	0.8	■	165	0.32	2.1	–	–	–	■	155	0.32	2.1	–	–	–	–	–	–	–	–	–
	T5305	0.8	◪	280	0.32	2.1	–	–	–	■	265	0.32	2.1	–	–	–	–	–	–	◪	55	0.15	1.0
	T5315	0.8	◪	250	0.32	2.1	–	–	–	■	235	0.32	2.1	–	–	–	–	–	–	◪	50	0.15	1.0
	T8330	0.8	■	155	0.32	2.1	–	–	–	■	145	0.32	2.1	–	–	–	–	–	–	◪	30	0.15	1.0
	T8430	0.8	■	170	0.32	2.1	–	–	–	◪	135	0.32	2.1	–	–	–	–	–	–	◪	25	0.15	1.0
	T9310	0.8	■	245	0.32	2.1	–	–	–	◪	230	0.32	2.1	–	–	–	–	–	–	◪	45	0.15	1.0
	T9315	0.8	■	225	0.32	2.1	–	–	–	◪	210	0.32	2.1	–	–	–	–	–	–	◪	45	0.15	1.0
	T9325	0.8	■	200	0.32	2.1	–	–	–	◪	190	0.32	2.1	–	–	–	–	–	–		–	–	–
	T9335	0.8	■	180	0.32	2.1	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 120412E-M	**T5305**	1.2	◪	275	0.40	2.1	–	–	–	■	260	0.40	2.1	–	–	–	–	–	–	◪	55	0.15	1.0
	T5315	1.2	◪	245	0.40	2.1	–	–	–	■	230	0.40	2.1	–	–	–	–	–	–	◪	45	0.15	1.0
	T9310	1.2	■	235	0.40	2.1	–	–	–	◪	220	0.40	2.1	–	–	–	–	–	–	◪	45	0.15	1.0
	T9315	1.2	■	220	0.40	2.1	–	–	–	◪	205	0.40	2.1	–	–	–	–	–	–	◪	40	0.15	1.0
	T9325	1.2	■	195	0.40	2.1	–	–	–	◪	185	0.40	2.1	–	–	–	–	–	–		–	–	–
	T9335	1.2	■	170	0.40	2.1	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 120416E-M	**T9325**	1.6	■	200	0.40	2.1	–	–	–	◪	190	0.40	2.1	–	–	–	–	–	–		–	–	–
	T9335	1.6	■	175	0.40	2.1	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 160608E-M	**T9310**	0.8	■	235	0.32	3.6	–	–	–	◪	220	0.32	3.6	–	–	–	–	–	–	◪	45	0.15	1.0
	T9315	0.8	■	215	0.32	3.6	–	–	–	◪	200	0.32	3.6	–	–	–	–	–	–	◪	40	0.15	1.0
	T9325	0.8	■	190	0.32	3.6	–	–	–	◪	180	0.32	3.6	–	–	–	–	–	–		–	–	–
	T9335	0.8	■	170	0.32	3.6	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 160612E-M	**T9315**	1.2	■	210	0.40	3.6	–	–	–	◪	195	0.40	3.6	–	–	–	–	–	–	◪	40	0.15	1.0
	T9325	1.2	■	185	0.40	3.6	–	–	–	◪	175	0.40	3.6	–	–	–	–	–	–		–	–	–
	T9335	1.2	■	160	0.40	3.6	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 160616E-M	**T9325**	1.6	■	190	0.40	3.6	–	–	–	◪	180	0.40	3.6	–	–	–	–	–	–		–	–	–
	T9335	1.6	■	165	0.40	3.6	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 190608E-M	**T9315**	0.8	■	210	0.32	4.2	–	–	–	◪	195	0.32	4.2	–	–	–	–	–	–	◪	40	0.15	1.0
	T9325	0.8	■	190	0.32	4.2	–	–	–	◪	180	0.32	4.2	–	–	–	–	–	–		–	–	–
	T9335	0.8	■	165	0.32	4.2	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 190612E-M	**6640**	1.2	■	145	0.40	4.2	–	–	–	■	135	0.40	4.2	–	–	–	–	–	–		–	–	–
	T9310	1.2	■	220	0.40	4.2	–	–	–	◪	205	0.40	4.2	–	–	–	–	–	–	◪	40	0.15	1.0
	T9315	1.2	■	205	0.40	4.2	–	–	–	◪	190	0.40	4.2	–	–	–	–	–	–	◪	40	0.15	1.0
	T9325	1.2	■	185	0.40	4.2	–	–	–	◪	175	0.40	4.2	–	–	–	–	–	–		–	–	–
	T9335	1.2	■	160	0.40	4.2	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
CNMG 190616E-M	**T9310**	1.6	■	230	0.40	4.2	–	–	–	◪	215	0.40	4.2	–	–	–	–	–	–	◪	45	0.15	1.0
	T9315	1.6	■	215	0.40	4.2	–	–	–	◪	200	0.40	4.2	–	–	–	–	–	–	◪	40	0.15	1.0
	T9325	1.6	■	190	0.40	4.2	–	–	–	◪	180	0.40	4.2	–	–	–	–	–	–		–	–	–
	T9335	1.6	■	165	0.40	4.2	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–



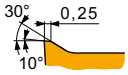
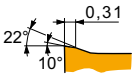
Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.

CNMG 090304E-NF	**T6310**	0.4	■	190	0.17	0.8	■	135	0.15	0.8	◪	150	0.17	0.8	◪	570	0.20	0.8	◪	55	0.12	0.6	–	–	–
	T7335	0.4	◪	210	0.18	0.8	■	160	0.16	0.8		–	–	–	–	–	–	–	◪	65	0.16	0.6	–	–	–
	T8315	0.4	◪	200	0.17	0.8	■	120	0.15	0.8	◪	190	0.17	0.8	◪	600	0.20	0.8	◪	50	0.12	0.6	–	–	–
	T8430	0.4	■	225	0.17	0.8	■	120	0.15	0.8	◪	185	0.17	0.8	◪	615	0.20	0.8	◪	45	0.12	0.6	–	–	–
	T9325	0.4	■	265	0.18	0.8	■	155	0.16	0.8	◪	250	0.18	0.8		–	–	–	◪	55	0.16	0.6	–	–	–
CNMG 090308E-NF	**T6310**	0.8	■	215	0.19	1.0	■	150	0.17	1.0	◪	170	0.19	1.0	◪	645	0.23	1.0	◪	60	0.15	0.8	–	–	–
	T7335	0.8	◪	240	0.19	1.0	■	185	0.17	1.0		–	–	–	–	–	–	–	◪	75	0.15	0.8	–	–	–
	T8330	0.8	■	215	0.19	1.0	■	125	0.17	1.0	◪	200	0.19	1.0	◪	645	0.23	1.0	◪	50	0.15	0.8	–	–	–
	T8430	0.8	■	245	0.19	1.0	■	135	0.17	1.0	◪	200	0.19	1.0	◪	675	0.23	1.0	◪	50	0.15	0.8	–	–	–
	T9325	0.8	■	300	0.19	1.0	■	180	0.17	1.0	◪	285	0.19	1.0		–	–	–	◪	65	0.15	0.8	–	–	–

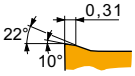
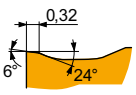
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																	
CNMG 120404E-NF	**HF7**	0.4	–	–	–	95	0.15	1.7	155	0.17	1.7	495	0.20	1.7	–	–	–	–	–	–
	T6310	0.4	180	0.17	1.7	125	0.15	1.7	145	0.17	1.7	540	0.20	1.7	50	0.14	1.4	–	–	–
	T7325	0.4	200	0.18	1.7	155	0.16	1.7	–	–	–	–	–	–	65	0.16	1.4	–	–	–
	T7335	0.4	195	0.18	1.7	150	0.16	1.7	–	–	–	–	–	–	60	0.16	1.4	–	–	–
	T8315	0.4	185	0.17	1.7	110	0.15	1.7	175	0.17	1.7	555	0.20	1.7	45	0.14	1.4	–	–	–
	T8330	0.4	180	0.17	1.7	105	0.15	1.7	170	0.17	1.7	540	0.20	1.7	45	0.14	1.4	–	–	–
	T8430	0.4	200	0.17	1.7	110	0.15	1.7	165	0.17	1.7	555	0.20	1.7	40	0.14	1.4	–	–	–
	T9315	0.4	285	0.17	1.7	–	–	–	270	0.17	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	250	0.18	1.7	150	0.16	1.7	235	0.18	1.7	–	–	–	55	0.16	1.4	–	–	–
CNMG 120408E-NF	**HF7**	0.8	–	–	–	110	0.17	1.7	180	0.19	1.7	570	0.23	1.7	–	–	–	–	–	–
	T6310	0.8	200	0.19	1.7	140	0.17	1.7	160	0.19	1.7	600	0.23	1.7	60	0.15	1.4	–	–	–
	T7325	0.8	235	0.19	1.7	180	0.17	1.7	–	–	–	–	–	–	75	0.15	1.4	–	–	–
	T7335	0.8	225	0.19	1.7	175	0.17	1.7	–	–	–	–	–	–	70	0.15	1.4	–	–	–
	T8315	0.8	215	0.19	1.7	125	0.17	1.7	200	0.19	1.7	645	0.23	1.7	50	0.15	1.4	–	–	–
	T8330	0.8	200	0.19	1.7	120	0.17	1.7	190	0.19	1.7	600	0.23	1.7	50	0.15	1.4	–	–	–
	T8430	0.8	235	0.19	1.7	125	0.17	1.7	190	0.19	1.7	645	0.23	1.7	50	0.15	1.4	–	–	–
	T9315	0.8	320	0.19	1.7	–	–	–	300	0.19	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	285	0.19	1.7	170	0.17	1.7	270	0.19	1.7	–	–	–	60	0.15	1.4	–	–	–
CNMG 120412E-NF	**T6310**	1.2	185	0.30	2.1	130	0.27	2.1	145	0.30	2.1	555	0.36	2.1	55	0.21	1.7	–	–	–
	T7325	1.2	205	0.30	2.1	155	0.27	2.1	–	–	–	–	–	–	65	0.21	1.7	–	–	–
	T7335	1.2	200	0.30	2.1	155	0.27	2.1	–	–	–	–	–	–	65	0.21	1.7	–	–	–
	T8330	1.2	185	0.30	2.1	110	0.27	2.1	175	0.30	2.1	555	0.36	2.1	45	0.21	1.7	–	–	–
	T8430	1.2	200	0.30	2.1	110	0.27	2.1	165	0.30	2.1	555	0.36	2.1	40	0.21	1.7	–	–	–
	T9315	1.2	275	0.30	2.1	–	–	–	260	0.30	2.1	–	–	–	–	–	–	–	–	–
	T9325	1.2	245	0.30	2.1	145	0.27	2.1	230	0.30	2.1	–	–	–	55	0.21	1.7	–	–	–
			Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																	
CNMG 120404E-NM	**T7325**	0.4	195	0.20	2.1	150	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T7335	0.4	190	0.20	2.1	145	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T8315	0.4	180	0.20	2.1	105	0.18	2.1	–	–	–	540	0.24	2.1	45	0.16	1.7	–	–	–
	T8330	0.4	170	0.20	2.1	100	0.18	2.1	–	–	–	510	0.24	2.1	40	0.16	1.7	–	–	–
	T8430	0.4	195	0.20	2.1	105	0.18	2.1	–	–	–	540	0.24	2.1	40	0.16	1.7	–	–	–
	T9315	0.4	270	0.20	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.20	2.1	140	0.18	2.1	–	–	–	–	–	–	50	0.16	1.7	–	–	–
CNMG 120408E-NM	**T7325**	0.8	215	0.25	2.1	165	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T7335	0.8	210	0.25	2.1	160	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T8315	0.8	205	0.25	2.1	120	0.23	2.1	–	–	–	615	0.30	2.1	50	0.20	1.7	–	–	–
	T8330	0.8	195	0.25	2.1	115	0.23	2.1	–	–	–	585	0.30	2.1	45	0.20	1.7	–	–	–
	T8430	0.8	210	0.25	2.1	115	0.23	2.1	–	–	–	585	0.30	2.1	45	0.20	1.7	–	–	–
	T9315	0.8	290	0.25	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.25	2.1	155	0.23	2.1	–	–	–	–	–	–	55	0.20	1.7	–	–	–
CNMG 120412E-NM	**T7325**	1.2	215	0.30	2.1	165	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T7335	1.2	210	0.30	2.1	160	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T8315	1.2	205	0.30	2.1	120	0.27	2.1	–	–	–	615	0.36	2.1	50	0.24	1.7	–	–	–
	T8330	1.2	195	0.30	2.1	115	0.27	2.1	–	–	–	585	0.36	2.1	45	0.24	1.7	–	–	–
	T8430	1.2	210	0.30	2.1	115	0.27	2.1	–	–	–	585	0.36	2.1	45	0.24	1.7	–	–	–
	T9315	1.2	285	0.30	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	255	0.30	2.1	150	0.27	2.1	–	–	–	–	–	–	55	0.24	1.7	–	–	–
CNMG 160608E-NM	**T7325**	0.8	195	0.30	3.6	150	0.27	3.6	–	–	–	–	–	–	60	0.27	2.9	–	–	–
	T7335	0.8	190	0.30	3.6	145	0.27	3.6	–	–	–	–	–	–	60	0.27	2.9	–	–	–
	T8315	0.8	185	0.30	3.6	110	0.27	3.6	–	–	–	555	0.36	3.6	45	0.27	2.9	–	–	–
	T8330	0.8	170	0.30	3.6	100	0.27	3.6	–	–	–	510	0.36	3.6	40	0.27	2.9	–	–	–
	T8430	0.8	185	0.30	3.6	100	0.27	3.6	–	–	–	510	0.36	3.6	40	0.27	2.9	–	–	–
	T9325	0.8	225	0.30	3.6	135	0.27	3.6	–	–	–	–	–	–	50	0.27	2.9	–	–	–

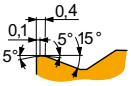
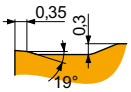
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																				
CNMG 160612E-NM	**T7325**	1.2	205	0.30	3.6	155	0.27	3.6	–	–	–	–	–	–	65	0.27	2.9	–	–	–
	T7335	1.2	200	0.30	3.6	155	0.27	3.6	–	–	–	–	–	–	65	0.27	2.9	–	–	–
	T8315	1.2	195	0.30	3.6	115	0.27	3.6	–	–	–	585	0.36	3.6	45	0.27	2.9	–	–	–
	T9325	1.2	240	0.30	3.6	140	0.27	3.6	–	–	–	–	–	–	50	0.27	2.9	–	–	–
CNMG 190612E-NM	**T7325**	1.2	195	0.35	4.2	150	0.32	4.2	–	–	–	–	–	–	60	0.32	3.4	–	–	–
	T7335	1.2	180	0.35	4.2	140	0.32	4.2	–	–	–	–	–	–	55	0.32	3.4	–	–	–
	T8315	1.2	180	0.35	4.2	105	0.32	4.2	–	–	–	540	0.42	4.2	45	0.32	3.4	–	–	–
	T8330	1.2	170	0.35	4.2	100	0.32	4.2	–	–	–	510	0.42	4.2	40	0.32	3.4	–	–	–
	T8430	1.2	180	0.35	4.2	95	0.32	4.2	–	–	–	495	0.42	4.2	35	0.32	3.4	–	–	–
	T9325	1.2	220	0.35	4.2	130	0.32	4.2	–	–	–	–	–	–	45	0.32	3.4	–	–	–
																				
Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																				
CNMG 090308E-NMR	**T7325**	0.8	175	0.35	1.6	135	0.32	1.6	–	–	–	–	–	–	55	0.25	1.3	–	–	–
	T7335	0.8	170	0.35	1.6	130	0.32	1.6	–	–	–	–	–	–	55	0.25	1.3	–	–	–
	T9325	0.8	200	0.35	1.6	120	0.32	1.6	–	–	–	–	–	–	45	0.25	1.3	–	–	–
CNMG 120404E-NMR	**T6310**	0.4	140	0.25	2.7	100	0.23	2.7	–	–	–	–	–	–	40	0.20	2.2	–	–	–
	T7325	0.4	155	0.25	2.7	120	0.23	2.7	–	–	–	–	–	–	50	0.20	2.2	–	–	–
	T7335	0.4	155	0.25	2.0	120	0.23	2.0	–	–	–	–	–	–	50	0.20	1.6	–	–	–
	T8330	0.4	140	0.25	2.0	80	0.23	2.0	–	–	–	–	–	–	35	0.20	1.6	–	–	–
	T8430	0.4	150	0.25	2.7	80	0.23	2.7	–	–	–	–	–	–	30	0.20	2.2	–	–	–
	T9315	0.4	215	0.25	2.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	190	0.25	2.0	110	0.23	2.0	–	–	–	–	–	–	40	0.20	1.6	–	–	–
CNMG 120408E-NMR	**T6310**	0.8	150	0.35	2.7	105	0.32	2.7	–	–	–	–	–	–	45	0.25	2.2	–	–	–
	T7325	0.8	170	0.35	2.7	130	0.32	2.7	–	–	–	–	–	–	55	0.25	2.2	–	–	–
	T7335	0.8	160	0.35	2.7	120	0.32	2.7	–	–	–	–	–	–	50	0.25	2.2	–	–	–
	T8330	0.8	150	0.35	2.7	90	0.32	2.7	–	–	–	–	–	–	35	0.25	2.2	–	–	–
	T8430	0.8	155	0.35	2.7	85	0.32	2.7	–	–	–	–	–	–	30	0.25	2.2	–	–	–
	T9315	0.8	210	0.35	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.35	2.7	110	0.32	2.7	–	–	–	–	–	–	40	0.25	2.2	–	–	–
CNMG 120412E-NMR	**T6310**	1.2	150	0.40	2.7	105	0.36	2.7	–	–	–	–	–	–	45	0.28	2.2	–	–	–
	T7325	1.2	170	0.40	2.7	130	0.36	2.7	–	–	–	–	–	–	55	0.28	2.2	–	–	–
	T7335	1.2	160	0.40	2.7	120	0.36	2.7	–	–	–	–	–	–	50	0.28	2.2	–	–	–
	T8330	1.2	150	0.40	2.7	90	0.36	2.7	–	–	–	–	–	–	35	0.28	2.2	–	–	–
	T8430	1.2	155	0.40	2.7	85	0.36	2.7	–	–	–	–	–	–	30	0.28	2.2	–	–	–
	T9315	1.2	215	0.40	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	190	0.40	2.7	110	0.36	2.7	–	–	–	–	–	–	40	0.28	2.2	–	–	–
CNMG 120416E-NMR	**T7325**	1.6	170	0.45	2.7	130	0.41	2.7	–	–	–	–	–	–	55	0.32	2.2	–	–	–
	T7335	1.6	160	0.45	2.7	120	0.41	2.7	–	–	–	–	–	–	50	0.32	2.2	–	–	–
	T9325	1.6	190	0.45	2.7	110	0.41	2.7	–	–	–	–	–	–	40	0.32	2.2	–	–	–
CNMG 160608E-NMR	**T7325**	0.8	160	0.35	4.0	120	0.32	4.0	–	–	–	–	–	–	50	0.25	3.2	–	–	–
	T7335	0.8	150	0.35	4.0	115	0.32	4.0	–	–	–	–	–	–	45	0.25	3.2	–	–	–
	T9315	0.8	205	0.35	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.35	4.0	110	0.32	4.0	–	–	–	–	–	–	40	0.25	3.2	–	–	–
CNMG 160612E-NMR	**T7325**	1.2	165	0.40	4.0	125	0.36	4.0	–	–	–	–	–	–	50	0.28	3.2	–	–	–
	T7335	1.2	155	0.40	4.0	120	0.36	4.0	–	–	–	–	–	–	50	0.28	3.2	–	–	–
	T8330	1.2	145	0.40	4.0	85	0.36	4.0	–	–	–	–	–	–	35	0.28	3.2	–	–	–
	T8430	1.2	150	0.40	4.0	80	0.36	4.0	–	–	–	–	–	–	30	0.28	3.2	–	–	–
	T9315	1.2	205	0.40	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.40	4.0	110	0.36	4.0	–	–	–	–	–	–	40	0.28	3.2	–	–	–

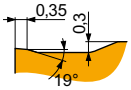
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																				
CNMG 160616E-NMR	**T7325**	1.6	165	0.45	4.0	125	0.41	4.0	–	–	–	–	–	–	50	0.32	3.2	–	–	–
	T7335	1.6	155	0.45	4.0	120	0.41	4.0	–	–	–	–	–	–	50	0.32	3.2	–	–	–
	T8330	1.6	145	0.45	4.0	85	0.41	4.0	–	–	–	–	–	–	35	0.32	3.2	–	–	–
	T8430	1.6	150	0.45	4.0	80	0.41	4.0	–	–	–	–	–	–	30	0.32	3.2	–	–	–
	T9315	1.6	200	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.6	180	0.45	4.0	105	0.41	4.0	–	–	–	–	–	–	40	0.32	3.2	–	–	–
CNMG 190608E-NMR	**T6310**	0.8	140	0.35	5.2	100	0.32	5.2	–	–	–	–	–	–	40	0.25	4.2	–	–	–
	T7325	0.8	155	0.35	5.2	120	0.32	5.2	–	–	–	–	–	–	50	0.25	4.2	–	–	–
	T7335	0.8	150	0.35	5.2	115	0.32	5.2	–	–	–	–	–	–	45	0.25	4.2	–	–	–
	T9315	0.8	195	0.35	5.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	180	0.35	5.2	105	0.32	5.2	–	–	–	–	–	–	40	0.25	4.2	–	–	–
CNMG 190612E-NMR	**T6310**	1.2	140	0.40	5.2	100	0.36	5.2	–	–	–	–	–	–	40	0.28	4.2	–	–	–
	T7325	1.2	160	0.40	5.2	120	0.36	5.2	–	–	–	–	–	–	50	0.28	4.2	–	–	–
	T7335	1.2	150	0.40	5.2	115	0.36	5.2	–	–	–	–	–	–	45	0.28	4.2	–	–	–
	T8330	1.2	140	0.40	5.2	80	0.36	5.2	–	–	–	–	–	–	35	0.28	4.2	–	–	–
	T8430	1.2	145	0.40	5.2	80	0.36	5.2	–	–	–	–	–	–	30	0.28	4.2	–	–	–
	T9315	1.2	200	0.40	5.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.40	5.2	105	0.36	5.2	–	–	–	–	–	–	40	0.28	4.2	–	–	–
CNMG 190616E-NMR	**T7325**	1.6	160	0.45	5.2	120	0.41	5.2	–	–	–	–	–	–	50	0.32	4.2	–	–	–
	T7335	1.6	150	0.45	5.2	115	0.41	5.2	–	–	–	–	–	–	45	0.32	4.2	–	–	–
	T9315	1.6	195	0.45	5.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.6	175	0.45	5.2	105	0.41	5.2	–	–	–	–	–	–	35	0.32	4.2	–	–	–
																				
Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
CNMG 120408-NRM	**T7325**	0.8	160	0.35	4.0	120	0.32	4.0	–	–	–	–	–	–	50	0.28	3.2	–	–	–
	T7335	0.8	150	0.35	4.0	115	0.32	4.0	–	–	–	–	–	–	45	0.28	3.2	–	–	–
	T9315	0.8	205	0.35	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120412-NRM	**T7325**	1.2	165	0.40	4.0	125	0.36	4.0	–	–	–	–	–	–	50	0.28	3.2	–	–	–
	T7335	1.2	155	0.40	4.0	120	0.36	4.0	–	–	–	–	–	–	50	0.28	3.2	–	–	–
	T9315	1.2	205	0.40	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120416-NRM	**T7325**	1.6	165	0.45	4.0	125	0.41	4.0	–	–	–	–	–	–	50	0.36	3.2	–	–	–
	T7335	1.6	155	0.45	4.0	120	0.41	4.0	–	–	–	–	–	–	50	0.36	3.2	–	–	–
	T9315	1.6	200	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160608-NRM	**T7325**	0.8	155	0.35	6.0	120	0.32	6.0	–	–	–	–	–	–	50	0.28	4.8	–	–	–
	T7335	0.8	145	0.35	6.0	110	0.32	6.0	–	–	–	–	–	–	45	0.28	4.8	–	–	–
	T9315	0.8	195	0.35	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160612-NRM	**T7325**	1.2	155	0.40	6.0	120	0.36	6.0	–	–	–	–	–	–	50	0.32	4.8	–	–	–
	T7335	1.2	150	0.40	6.0	115	0.36	6.0	–	–	–	–	–	–	45	0.32	4.8	–	–	–
	T9315	1.2	200	0.40	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160616-NRM	**T7325**	1.6	155	0.45	6.0	120	0.41	6.0	–	–	–	–	–	–	50	0.36	4.8	–	–	–
	T7335	1.6	150	0.45	6.0	115	0.41	6.0	–	–	–	–	–	–	45	0.36	4.8	–	–	–
	T9315	1.6	195	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 190608-NRM	**T7325**	0.8	150	0.35	8.0	115	0.32	8.0	–	–	–	–	–	–	45	0.28	6.4	–	–	–
	T7335	0.8	140	0.35	8.0	105	0.32	8.0	–	–	–	–	–	–	45	0.28	6.4	–	–	–
	T9315	0.8	190	0.35	8.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 190612-NRM	**T7325**	1.2	155	0.40	8.0	120	0.36	8.0	–	–	–	–	–	–	50	0.32	6.4	–	–	–
	T7335	1.2	145	0.40	8.0	110	0.36	8.0	–	–	–	–	–	–	45	0.32	6.4	–	–	–
	T9315	1.2	190	0.40	8.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 190616-NRM	**T7325**	1.6	150	0.45	8.0	115	0.41	8.0	–	–	–	–	–	–	45	0.36	6.4	–	–	–
	T7335	1.6	145	0.45	8.0	110	0.41	8.0	–	–	–	–	–	–	45	0.36	6.4	–	–	–
	T9315	1.6	190	0.45	8.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 250924-NRM	**T7325**	2.4	95	0.70	10.0	70	0.63	10.0	–	–	–	–	–	–	30	0.49	8.0	–	–	–
	T7335	2.4	90	0.70	10.0	70	0.63	10.0	–	–	–	–	–	–	25	0.49	8.0	–	–	–
	T9315	2.4	115	0.70	10.0	–	–	–	105	0.70	10.0	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

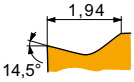
Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
			Geometría R para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
CNMG 120408E-R	**6640**	0.8	■ 140	0.40	4.0	–	–	–	■ 130	0.40	4.0	–	–	–	–	–	–	–	–	–
	T5305	0.8	◪ 240	0.40	4.0	–	–	–	■ 225	0.40	4.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	0.8	◪ 215	0.40	4.0	–	–	–	■ 200	0.40	4.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9310	0.8	■ 205	0.40	4.0	–	–	–	◪ 190	0.40	4.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.8	■ 190	0.40	4.0	–	–	–	◪ 180	0.40	4.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 175	0.40	4.0	–	–	–	◪ 165	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 150	0.40	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120412E-R	**T5305**	1.2	◪ 245	0.45	4.0	–	–	–	■ 230	0.45	4.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	1.2	◪ 220	0.45	4.0	–	–	–	■ 205	0.45	4.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	1.2	■ 195	0.45	4.0	–	–	–	◪ 185	0.45	4.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 175	0.45	4.0	–	–	–	◪ 165	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 155	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120416E-R	**T5315**	1.6	◪ 225	0.50	4.0	–	–	–	■ 210	0.50	4.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9335	1.6	■ 150	0.50	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160608E-R	**T5315**	0.8	◪ 210	0.40	5.5	–	–	–	■ 195	0.40	5.5	–	–	–	–	–	–	◪ 40	0.15	1.0
CNMG 160612E-R	**T5305**	1.2	◪ 235	0.45	5.5	–	–	–	■ 220	0.45	5.5	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	1.2	◪ 215	0.45	5.5	–	–	–	■ 200	0.45	5.5	–	–	–	–	–	–	◪ 40	0.15	1.0
	T7335	1.2	◪ 145	0.45	5.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.2	■ 205	0.45	5.5	–	–	–	◪ 190	0.45	5.5	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	1.2	■ 190	0.45	5.5	–	–	–	◪ 180	0.45	5.5	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 170	0.45	5.5	–	–	–	◪ 160	0.45	5.5	–	–	–	–	–	–	–	–	–
CNMG 160616E-R	**T5305**	1.6	◪ 240	0.50	5.5	–	–	–	■ 225	0.50	5.5	–	–	–	–	–	–	◪ 45	0.15	1.0
CNMG 190608E-R	**T5315**	0.8	◪ 205	0.40	7.0	–	–	–	■ 190	0.40	7.0	–	–	–	–	–	–	◪ 40	0.15	1.0
CNMG 190612E-R	**6640**	1.2	■ 135	0.45	7.0	–	–	–	■ 125	0.45	7.0	–	–	–	–	–	–	–	–	–
	T5305	1.2	◪ 230	0.45	7.0	–	–	–	■ 215	0.45	7.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	1.2	◪ 210	0.45	7.0	–	–	–	■ 195	0.45	7.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	1.2	■ 185	0.45	7.0	–	–	–	◪ 175	0.45	7.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 165	0.45	7.0	–	–	–	◪ 155	0.45	7.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 145	0.45	7.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 190616E-R	**6640**	1.6	■ 130	0.50	7.0	–	–	–	■ 120	0.50	7.0	–	–	–	–	–	–	–	–	–
	T5305	1.6	◪ 235	0.50	7.0	–	–	–	■ 220	0.50	7.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	1.6	◪ 210	0.50	7.0	–	–	–	■ 195	0.50	7.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9310	1.6	■ 195	0.50	7.0	–	–	–	◪ 185	0.50	7.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9315	1.6	■ 180	0.50	7.0	–	–	–	◪ 170	0.50	7.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.6	■ 165	0.50	7.0	–	–	–	◪ 155	0.50	7.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	■ 145	0.50	7.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
CNMG 120408E-RM	**T5305**	0.8	◪ 275	0.40	4.0	–	–	–	◪ 260	0.40	4.0	–	–	–	–	–	–	–	–	–
	T5315	0.8	◪ 250	0.40	4.0	–	–	–	◪ 235	0.40	4.0	–	–	–	–	–	–	–	–	–
	T6310	0.8	■ 155	0.40	4.0	◪ 110	0.36	4.0	◪ 125	0.40	4.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	◪ 180	0.40	4.0	◪ 140	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	◪ 165	0.40	4.0	◪ 125	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	◪ 165	0.40	4.0	◪ 95	0.36	4.0	◪ 155	0.40	4.0	–	–	–	–	–	–	–	–	–
	T8330	0.8	■ 155	0.40	4.0	◪ 90	0.36	4.0	◪ 145	0.40	4.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	■ 165	0.40	4.0	◪ 90	0.36	4.0	◪ 135	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9310	0.8	■ 240	0.40	4.0	–	–	–	◪ 225	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 220	0.40	4.0	–	–	–	◪ 205	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 200	0.40	4.0	◪ 120	0.36	4.0	◪ 190	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 170	0.40	4.0	◪ 100	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
																				
Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
CNMG 120412E-RM	**T5305**	1.2	280	0.45	4.0	–	–	–	265	0.45	4.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	250	0.45	4.0	–	–	–	235	0.45	4.0	–	–	–	–	–	–	–	–	–
	T6310	1.2	160	0.45	4.0	115	0.41	4.0	125	0.45	4.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	180	0.45	4.0	140	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	170	0.45	4.0	130	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	1.2	170	0.45	4.0	100	0.41	4.0	160	0.45	4.0	–	–	–	–	–	–	–	–	–
	T8330	1.2	160	0.45	4.0	95	0.41	4.0	150	0.45	4.0	–	–	–	–	–	–	–	–	–
	T8430	1.2	170	0.45	4.0	90	0.41	4.0	135	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9310	1.2	240	0.45	4.0	–	–	–	225	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	220	0.45	4.0	–	–	–	205	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	200	0.45	4.0	120	0.41	4.0	190	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	175	0.45	4.0	105	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 120416E-RM	**T5305**	1.6	280	0.50	4.0	–	–	–	265	0.50	4.0	–	–	–	–	–	–	–	–	–
	T5315	1.6	255	0.50	4.0	–	–	–	240	0.50	4.0	–	–	–	–	–	–	–	–	–
	T7325	1.6	185	0.50	4.0	140	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.6	175	0.50	4.0	135	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.6	160	0.50	4.0	95	0.45	4.0	150	0.50	4.0	–	–	–	–	–	–	–	–	–
	T8430	1.6	170	0.50	4.0	90	0.45	4.0	135	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9310	1.6	240	0.50	4.0	–	–	–	225	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	220	0.50	4.0	–	–	–	205	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	205	0.50	4.0	120	0.45	4.0	190	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	175	0.50	4.0	105	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160608E-RM	**T5305**	0.8	265	0.40	6.0	–	–	–	250	0.40	6.0	–	–	–	–	–	–	–	–	–
	T5315	0.8	240	0.40	6.0	–	–	–	225	0.40	6.0	–	–	–	–	–	–	–	–	–
	T8330	0.8	150	0.40	6.0	90	0.36	6.0	140	0.40	6.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	155	0.40	6.0	85	0.36	6.0	130	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	215	0.40	6.0	–	–	–	200	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.40	6.0	110	0.36	6.0	180	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	165	0.40	6.0	95	0.36	6.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160612E-RM	**T5305**	1.2	270	0.45	6.0	–	–	–	255	0.45	6.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	245	0.45	6.0	–	–	–	230	0.45	6.0	–	–	–	–	–	–	–	–	–
	T6310	1.2	155	0.45	6.0	110	0.41	6.0	125	0.45	6.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	170	0.45	6.0	130	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	165	0.45	6.0	125	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	155	0.45	6.0	90	0.41	6.0	145	0.45	6.0	–	–	–	–	–	–	–	–	–
	T8430	1.2	155	0.45	6.0	85	0.41	6.0	130	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9310	1.2	230	0.45	6.0	–	–	–	215	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	215	0.45	6.0	–	–	–	200	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	195	0.45	6.0	115	0.41	6.0	185	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	165	0.45	6.0	95	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 160616E-RM	**T5305**	1.6	270	0.50	6.0	–	–	–	255	0.50	6.0	–	–	–	–	–	–	–	–	–
	T5315	1.6	245	0.50	6.0	–	–	–	230	0.50	6.0	–	–	–	–	–	–	–	–	–
	T7325	1.6	175	0.50	6.0	135	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.6	165	0.50	6.0	125	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.6	225	0.50	6.0	–	–	–	210	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	215	0.50	6.0	–	–	–	200	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	190	0.50	6.0	110	0.45	6.0	180	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	165	0.50	6.0	95	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 190608E-RM	**T5305**	0.8	260	0.40	7.5	–	–	–	245	0.40	7.5	–	–	–	–	–	–	–	–	–
	T5315	0.8	230	0.40	7.5	–	–	–	215	0.40	7.5	–	–	–	–	–	–	–	–	–
	T7335	0.8	155	0.40	7.5	120	0.36	7.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	0.8	210	0.40	7.5	–	–	–	195	0.40	7.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.40	7.5	110	0.36	7.5	180	0.40	7.5	–	–	–	–	–	–	–	–	–
	T9335	0.8	160	0.40	7.5	95	0.36	7.5	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

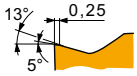
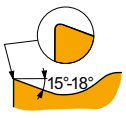
Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
CNMG 190612E-RM	**T5305**	1.2	260	0.45	7.5	–	–	–	245	0.45	7.5	–	–	–	–	–	–	–	–	–
	T5315	1.2	240	0.45	7.5	–	–	–	225	0.45	7.5	–	–	–	–	–	–	–	–	–
	T6310	1.2	155	0.45	7.5	110	0.41	7.5	125	0.45	7.5	–	–	–	–	–	–	–	–	–
	T7325	1.2	170	0.45	7.5	130	0.41	7.5	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	160	0.45	7.5	120	0.41	7.5	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	155	0.45	7.5	90	0.41	7.5	145	0.45	7.5	–	–	–	–	–	–	–	–	–
	T8430	1.2	150	0.45	7.5	80	0.41	7.5	125	0.45	7.5	–	–	–	–	–	–	–	–	–
	T9310	1.2	220	0.45	7.5	–	–	–	205	0.45	7.5	–	–	–	–	–	–	–	–	–
	T9315	1.2	210	0.45	7.5	–	–	–	195	0.45	7.5	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.45	7.5	110	0.41	7.5	175	0.45	7.5	–	–	–	–	–	–	–	–	–
	T9335	1.2	165	0.45	7.5	95	0.41	7.5	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 190616E-RM	**T5305**	1.6	265	0.50	7.5	–	–	–	250	0.50	7.5	–	–	–	–	–	–	–	–	–
	T5315	1.6	240	0.50	7.5	–	–	–	225	0.50	7.5	–	–	–	–	–	–	–	–	–
	T6310	1.6	155	0.50	7.5	110	0.45	7.5	125	0.50	7.5	–	–	–	–	–	–	–	–	–
	T7325	1.6	175	0.50	7.5	135	0.45	7.5	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.6	160	0.50	7.5	120	0.45	7.5	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.6	225	0.50	7.5	–	–	–	210	0.50	7.5	–	–	–	–	–	–	–	–	–
	T9315	1.6	210	0.50	7.5	–	–	–	195	0.50	7.5	–	–	–	–	–	–	–	–	–
	T9325	1.6	190	0.50	7.5	110	0.45	7.5	180	0.50	7.5	–	–	–	–	–	–	–	–	–
	T9335	1.6	160	0.50	7.5	95	0.45	7.5	–	–	–	–	–	–	–	–	–	–	–	–
CNMG 250924E-RM	**T7325**	2.4	105	0.80	12.0	80	0.72	12.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	2.4	100	0.80	12.0	75	0.72	12.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9226	2.4	90	0.80	12.0	50	0.72	12.0	85	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	120	0.80	12.0	–	–	–	110	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	105	0.80	12.0	60	0.72	12.0	95	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	85	0.80	12.0	50	0.72	12.0	–	–	–	–	–	–	–	–	–	–	–	–



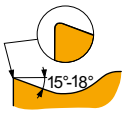
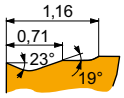
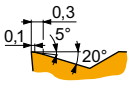
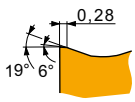
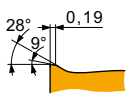
Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.

CNMG 120404E-SF	**H07**	0.4	–	–	–	90	0.14	1.0	145	0.15	1.0	470	0.18	1.0	45	0.12	0.8	–	–	–
	T6310	0.4	180	0.15	1.0	125	0.14	1.0	145	0.15	1.0	540	0.18	1.0	50	0.12	0.8	35	0.15	1.0
	T7325	0.4	205	0.17	1.0	155	0.15	1.0	–	–	–	–	–	–	65	0.15	0.8	–	–	–
	T7335	0.4	200	0.17	1.0	155	0.15	1.0	–	–	–	–	–	–	65	0.15	0.8	–	–	–
	T8315	0.4	195	0.15	1.0	115	0.14	1.0	185	0.15	1.0	585	0.18	1.0	45	0.12	0.8	35	0.15	1.0
	T8330	0.4	180	0.15	1.0	105	0.14	1.0	170	0.15	1.0	540	0.18	1.0	45	0.12	0.8	35	0.15	1.0
	T8430	0.4	220	0.15	1.0	120	0.14	1.0	180	0.15	1.0	600	0.18	1.0	45	0.12	0.8	35	0.15	1.0
	T9315	0.4	300	0.15	1.0	–	–	–	285	0.15	1.0	–	–	–	–	–	–	60	0.15	1.0
	T9325	0.4	255	0.17	1.0	150	0.15	1.0	240	0.17	1.0	–	–	–	55	0.15	0.8	–	–	–
CNMG 120408E-SF	**H07**	0.8	–	–	–	95	0.18	1.0	155	0.20	1.0	495	0.24	1.0	50	0.14	0.8	–	–	–
	T6310	0.8	200	0.20	1.0	140	0.18	1.0	160	0.20	1.0	600	0.24	1.0	60	0.14	0.8	40	0.15	1.0
	T7325	0.8	230	0.20	1.0	175	0.18	1.0	–	–	–	–	–	–	70	0.16	0.8	–	–	–
	T7335	0.8	220	0.20	1.0	170	0.18	1.0	–	–	–	–	–	–	70	0.16	0.8	–	–	–
	T8315	0.8	210	0.20	1.0	125	0.18	1.0	195	0.20	1.0	630	0.24	1.0	50	0.14	0.8	40	0.15	1.0
	T8330	0.8	200	0.20	1.0	120	0.18	1.0	190	0.20	1.0	600	0.24	1.0	50	0.14	0.8	40	0.15	1.0
	T8430	0.8	230	0.20	1.0	125	0.18	1.0	185	0.20	1.0	630	0.24	1.0	45	0.14	0.8	35	0.15	1.0
	T9315	0.8	315	0.20	1.0	–	–	–	295	0.20	1.0	–	–	–	–	–	–	60	0.15	1.0
	T9325	0.8	280	0.20	1.0	165	0.18	1.0	265	0.20	1.0	–	–	–	60	0.16	0.8	–	–	–
CNMG 120412E-SF	**T6310**	1.2	190	0.25	1.5	135	0.23	1.5	150	0.25	1.5	570	0.30	1.5	55	0.18	1.2	35	0.15	1.0
	T7325	1.2	220	0.25	1.5	170	0.23	1.5	–	–	–	–	–	–	70	0.18	1.2	–	–	–
	T8315	1.2	200	0.25	1.5	120	0.23	1.5	190	0.25	1.5	600	0.30	1.5	50	0.18	1.2	40	0.15	1.0
	T8430	1.2	210	0.25	1.5	115	0.23	1.5	175	0.25	1.5	585	0.30	1.5	45	0.18	1.2	35	0.15	1.0

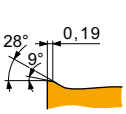
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																				
CNMG 120404E-SM	**T6310**	0.4	■ 155	0.22	2.0	■ 110	0.20	2.0	■ 125	0.22	2.0	◪ 465	0.26	2.0	■ 45	0.20	1.6	◪ 30	0.15	1.0
	T7325	0.4	◪ 175	0.22	2.0	■ 135	0.20	2.0	–	–	–	–	–	–	■ 55	0.20	1.6	–	–	–
	T7335	0.4	◪ 170	0.22	2.0	■ 130	0.20	2.0	–	–	–	–	–	–	■ 55	0.20	1.6	–	–	–
	T8330	0.4	■ 155	0.22	2.0	■ 90	0.20	2.0	■ 145	0.22	2.0	◪ 465	0.26	2.0	◪ 35	0.20	1.6	◪ 30	0.15	1.0
	T8430	0.4	■ 170	0.22	2.0	■ 90	0.20	2.0	◪ 135	0.22	2.0	◪ 465	0.26	2.0	◪ 35	0.20	1.6	◪ 25	0.15	1.0
	T9315	0.4	■ 245	0.20	2.0	–	–	–	◪ 230	0.20	2.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	0.4	■ 210	0.22	2.0	■ 125	0.20	2.0	◪ 195	0.22	2.0	–	–	–	◪ 45	0.20	1.6	–	–	–
CNMG 120408E-SM	**T6310**	0.8	■ 175	0.25	2.0	■ 125	0.23	2.0	■ 140	0.25	2.0	◪ 525	0.30	2.0	■ 50	0.20	1.6	◪ 35	0.15	1.0
	T7325	0.8	◪ 200	0.25	2.0	■ 155	0.23	2.0	–	–	–	–	–	–	■ 65	0.20	1.6	–	–	–
	T7335	0.8	◪ 190	0.25	2.0	■ 145	0.23	2.0	–	–	–	–	–	–	■ 60	0.20	1.6	–	–	–
	T8330	0.8	■ 175	0.25	2.0	■ 105	0.23	2.0	■ 165	0.25	2.0	◪ 525	0.30	2.0	◪ 40	0.20	1.6	◪ 35	0.15	1.0
	T8430	0.8	■ 195	0.25	2.0	■ 105	0.23	2.0	◪ 160	0.25	2.0	◪ 540	0.30	2.0	◪ 40	0.20	1.6	◪ 30	0.15	1.0
	T9315	0.8	■ 265	0.25	2.0	–	–	–	◪ 250	0.25	2.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	T9325	0.8	■ 235	0.25	2.0	■ 140	0.23	2.0	◪ 220	0.25	2.0	–	–	–	◪ 50	0.20	1.6	–	–	–
CNMG 120412E-SM	**T6310**	1.2	■ 175	0.30	2.0	■ 125	0.27	2.0	■ 140	0.30	2.0	◪ 525	0.36	2.0	■ 50	0.24	1.6	◪ 35	0.15	1.0
	T7325	1.2	◪ 195	0.30	2.0	■ 150	0.27	2.0	–	–	–	–	–	–	■ 60	0.24	1.6	–	–	–
	T7335	1.2	◪ 190	0.30	2.0	■ 145	0.27	2.0	–	–	–	–	–	–	■ 60	0.24	1.6	–	–	–
	T8330	1.2	■ 175	0.30	2.0	■ 105	0.27	2.0	■ 165	0.30	2.0	◪ 525	0.36	2.0	◪ 40	0.24	1.6	◪ 35	0.15	1.0
	T8430	1.2	■ 190	0.30	2.0	■ 105	0.27	2.0	◪ 155	0.30	2.0	◪ 525	0.36	2.0	◪ 40	0.24	1.6	◪ 30	0.15	1.0
	T9315	1.2	■ 260	0.30	2.0	–	–	–	◪ 245	0.30	2.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	T9325	1.2	■ 235	0.30	2.0	■ 140	0.27	2.0	◪ 220	0.30	2.0	–	–	–	◪ 50	0.24	1.6	–	–	–
CNMG 160608E-SM	**T7325**	0.8	◪ 185	0.26	3.0	■ 140	0.23	3.0	–	–	–	–	–	–	■ 60	0.23	2.4	–	–	–
	T7335	0.8	◪ 180	0.26	3.0	■ 140	0.23	3.0	–	–	–	–	–	–	■ 55	0.23	2.4	–	–	–
	T8330	0.8	■ 165	0.26	3.0	■ 95	0.23	3.0	■ 155	0.26	3.0	◪ 495	0.31	3.0	◪ 40	0.23	2.4	◪ 30	0.15	1.0
	T8430	0.8	■ 180	0.26	3.0	■ 95	0.23	3.0	◪ 145	0.26	3.0	◪ 495	0.31	3.0	◪ 35	0.23	2.4	◪ 30	0.15	1.0
	T9325	0.8	■ 225	0.26	3.0	■ 135	0.23	3.0	◪ 210	0.26	3.0	–	–	–	◪ 50	0.23	2.4	–	–	–
CNMG 160612E-SM	**T6310**	1.2	■ 170	0.30	3.0	■ 120	0.27	3.0	■ 135	0.30	3.0	◪ 510	0.36	3.0	■ 50	0.27	2.4	◪ 30	0.15	1.0
	T7325	1.2	◪ 190	0.30	3.0	■ 145	0.27	3.0	–	–	–	–	–	–	■ 60	0.27	2.4	–	–	–
	T7335	1.2	◪ 180	0.30	3.0	■ 140	0.27	3.0	–	–	–	–	–	–	■ 55	0.27	2.4	–	–	–
	T9315	1.2	■ 250	0.30	3.0	–	–	–	◪ 235	0.30	3.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	T9325	1.2	■ 225	0.30	3.0	■ 135	0.27	3.0	◪ 210	0.30	3.0	–	–	–	◪ 50	0.27	2.4	–	–	–
CNMG 190612E-SM	**T6310**	1.2	■ 165	0.30	4.0	■ 115	0.27	4.0	■ 130	0.30	4.0	◪ 495	0.36	4.0	■ 45	0.27	3.2	◪ 30	0.15	1.0
	T7325	1.2	◪ 185	0.30	4.0	■ 140	0.27	4.0	–	–	–	–	–	–	■ 60	0.27	3.2	–	–	–
	T7335	1.2	◪ 175	0.30	4.0	■ 135	0.27	4.0	–	–	–	–	–	–	■ 55	0.27	3.2	–	–	–
	T9315	1.2	■ 245	0.30	4.0	–	–	–	◪ 230	0.30	4.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	1.2	■ 220	0.30	4.0	■ 130	0.27	4.0	◪ 205	0.30	4.0	–	–	–	◪ 45	0.27	3.2	–	–	–
																				
Geometría ER-SI con diseño positivo a derecha para acabado fino a semi-desbaste con corte contínuo.																				
CNMG 120404ER-SI	**T7325**	0.4	◪ 220	0.20	1.7	■ 170	0.18	1.7	–	–	–	–	–	–	◪ 70	0.18	1.4	–	–	–
	T7335	0.4	◪ 215	0.20	1.7	■ 165	0.18	1.7	–	–	–	–	–	–	◪ 65	0.18	1.4	–	–	–
	T8330	0.4	■ 195	0.20	1.7	■ 115	0.18	1.7	–	–	–	◪ 585	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T8430	0.4	■ 225	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T9325	0.4	■ 270	0.20	1.7	■ 160	0.18	1.7	–	–	–	–	–	–	◪ 60	0.18	1.4	–	–	–
CNMG 120408ER-SI	**T7325**	0.8	◪ 215	0.35	1.7	■ 165	0.32	1.7	–	–	–	–	–	–	◪ 65	0.25	1.4	–	–	–
	T7335	0.8	◪ 205	0.35	1.7	■ 155	0.32	1.7	–	–	–	–	–	–	◪ 65	0.25	1.4	–	–	–
	T8315	0.8	◪ 205	0.35	1.7	■ 120	0.32	1.7	–	–	–	◪ 615	0.42	1.7	◪ 50	0.25	1.4	–	–	–
	T8330	0.8	■ 195	0.35	1.7	■ 115	0.32	1.7	–	–	–	◪ 585	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T8430	0.8	■ 210	0.35	1.7	■ 115	0.32	1.7	–	–	–	◪ 585	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T9325	0.8	■ 255	0.35	1.7	■ 150	0.32	1.7	–	–	–	–	–	–	◪ 55	0.25	1.4	–	–	–
CNMG 120412ER-SI	**T8430**	1.2	■ 225	0.35	1.7	■ 120	0.32	1.7	–	–	–	◪ 615	0.42	1.7	◪ 45	0.25	1.4	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría EL-SI con diseño positivo a izquierda para acabado fino a semi-desbaste con corte contínuo.																	
CNMG 120404EL-SI	**T7325**	0.4	◪ 220	0.20	1.7	■ 170	0.18	1.7	–	–	–	–	–	–	◪ 70	0.18	1.4	–	–	–
	T7335	0.4	◪ 215	0.20	1.7	■ 165	0.18	1.7	–	–	–	–	–	–	◪ 65	0.18	1.4	–	–	–
	T8330	0.4	■ 195	0.20	1.7	■ 115	0.18	1.7	–	–	–	◪ 585	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T8430	0.4	■ 225	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T9325	0.4	■ 270	0.20	1.7	■ 160	0.18	1.7	–	–	–	–	–	–	◪ 60	0.18	1.4	–	–	–
CNMG 120408EL-SI	**T7325**	0.8	◪ 215	0.35	1.7	■ 165	0.32	1.7	–	–	–	–	–	–	◪ 65	0.25	1.4	–	–	–
	T7335	0.8	◪ 205	0.35	1.7	■ 155	0.32	1.7	–	–	–	–	–	–	◪ 65	0.25	1.4	–	–	–
	T8315	0.8	◪ 205	0.35	1.7	■ 120	0.32	1.7	–	–	–	◪ 615	0.42	1.7	◪ 50	0.25	1.4	–	–	–
	T8330	0.8	■ 195	0.35	1.7	■ 115	0.32	1.7	–	–	–	◪ 585	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T8430	0.8	■ 210	0.35	1.7	■ 115	0.32	1.7	–	–	–	◪ 585	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T9325	0.8	■ 255	0.35	1.7	■ 150	0.32	1.7	–	–	–	–	–	–	◪ 55	0.25	1.4	–	–	–
CNMG 120412EL-SI	**T8430**	1.2	■ 225	0.35	1.7	■ 120	0.32	1.7	–	–	–	◪ 615	0.42	1.7	◪ 45	0.25	1.4	–	–	–
																				
			Geometría Wiper W-F para acabado y acabado fino con mayores avances y acabado superficial mejorado.																	
CNMG 120408W-F	**T9315**	0.8	■ 215	0.45	0.8	–	–	–	◪ 200	0.45	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 190	0.45	0.8	–	–	–	◪ 180	0.45	0.8	–	–	–	–	–	–	–	–	–
																				
			Geometría Wiper W-M para semi-desbaste a desbaste con mayores avances y acabado superficial mejorado.																	
CNMG 120408W-M	**T5315**	0.8	◪ 230	0.45	1.5	–	–	–	◪ 215	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 200	0.45	1.5	–	–	–	◪ 190	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 185	0.45	1.5	–	–	–	◪ 175	0.45	1.5	–	–	–	–	–	–	–	–	–
CNMG 120412W-M	**T5315**	1.2	◪ 230	0.55	1.5	–	–	–	◪ 215	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9315	1.2	■ 200	0.55	1.5	–	–	–	◪ 190	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 180	0.55	1.5	–	–	–	◪ 170	0.55	1.5	–	–	–	–	–	–	–	–	–
																				
			Geometría Wiper W-MR para acabado a desbaste con mayores avances y acabado superficial mejorado.																	
CNMG 120404W-MR	**T9315**	0.4	■ 200	0.30	1.5	–	–	–	◪ 190	0.30	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 180	0.30	1.5	◪ 105	0.27	1.5	◪ 170	0.30	1.5	–	–	–	–	–	–	–	–	–
CNMG 120408W-MR	**T5315**	0.8	◪ 230	0.45	1.5	–	–	–	◪ 215	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9310	0.8	■ 215	0.45	1.5	–	–	–	◪ 200	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 200	0.45	1.5	–	–	–	◪ 190	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 185	0.45	1.5	◪ 110	0.41	1.5	◪ 175	0.45	1.5	–	–	–	–	–	–	–	–	–
CNMG 120412W-MR	**T5315**	1.2	◪ 230	0.55	1.5	–	–	–	◪ 215	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9310	1.2	■ 210	0.55	1.5	–	–	–	◪ 195	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9315	1.2	■ 200	0.55	1.5	–	–	–	◪ 190	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 180	0.55	1.5	◪ 105	0.50	1.5	◪ 170	0.55	1.5	–	–	–	–	–	–	–	–	–
																				
			Geometría Wiper W-NM para acabado a desbaste con mayores avances y acabado superficial mejorado.																	
CNMG 120404W-NM	**T7325**	0.4	◪ 195	0.20	2.1	◪ 150	0.18	2.1	–	–	–	–	–	–	◪ 60	0.16	1.7	–	–	–
	T7335	0.4	◪ 190	0.20	2.1	◪ 145	0.18	2.1	–	–	–	–	–	–	◪ 60	0.16	1.7	–	–	–
	T9315	0.4	■ 270	0.20	2.1	–	–	–	◪ 255	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 240	0.20	2.1	◪ 140	0.18	2.1	◪ 225	0.20	2.1	–	–	–	◪ 50	0.16	1.7	–	–	–

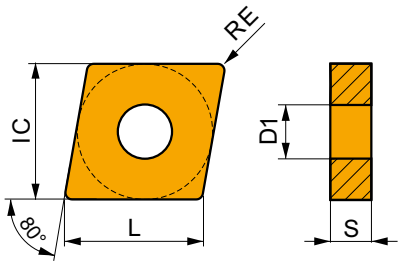
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría Wiper W-NM para acabado a desbaste con mayores avances y acabado superficial mejorado.																	
CNMG 120408W-NM	**T7325**	0.8	215	0.25	2.1	165	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T7335	0.8	210	0.25	2.1	160	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T9315	0.8	290	0.25	2.1	–	–	–	275	0.25	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.25	2.1	155	0.23	2.1	245	0.25	2.1	–	–	–	55	0.20	1.7	–	–	–
CNMG 120412W-NM	**T7325**	1.2	215	0.30	2.1	165	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T7335	1.2	210	0.30	2.1	160	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T9315	1.2	285	0.30	2.1	–	–	–	270	0.30	2.1	–	–	–	–	–	–	–	–	–
	T9325	1.2	255	0.30	2.1	150	0.27	2.1	240	0.30	2.1	–	–	–	55	0.24	1.7	–	–	–

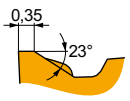
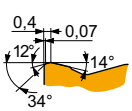
CNMM

PRAMET

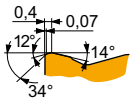
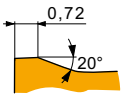
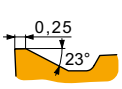
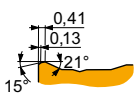
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.90	4.76
1606	15.875	6.35	16.10	6.35
1906	19.050	7.94	19.30	6.35
2509	25.400	9.12	25.80	9.53



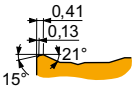
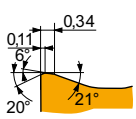
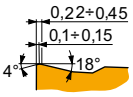
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría DR para semi-desbaste y desbaste y corte continuo a interrumpido.																	
CNMM 160612E-DR	**T9315**	1.2	225	0.45	6.0	–	–	–	210	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	200	0.45	6.0	120	0.41	6.0	190	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	170	0.45	6.0	100	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 190608E-DR	**T9315**	0.8	215	0.40	8.0	–	–	–	200	0.40	8.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.40	8.0	110	0.36	8.0	180	0.40	8.0	–	–	–	–	–	–	–	–	–
CNMM 190612E-DR	**T9315**	1.2	220	0.45	8.0	–	–	–	205	0.45	8.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	195	0.45	8.0	115	0.41	8.0	185	0.45	8.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	170	0.45	8.0	100	0.41	8.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 190616E-DR	**T9325**	1.6	195	0.50	9.0	115	0.45	9.0	185	0.50	9.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	170	0.50	9.0	100	0.45	9.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría HR para desbaste a desbaste pesado con corte contínuo a interrumpido.																	
CNMM 190616E-HR	**6640**	1.6	75	0.60	10.0	45	0.54	10.0	70	0.60	10.0	–	–	–	–	–	–	–	–	–
	T8345	1.6	55	0.60	10.0	30	0.54	10.0	50	0.60	10.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	105	0.60	10.0	60	0.54	10.0	95	0.60	10.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	80	0.60	10.0	45	0.54	10.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 190624E-HR	**T8345**	2.4	60	0.65	10.0	35	0.59	10.0	55	0.65	10.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	115	0.65	10.0	–	–	–	105	0.65	10.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	100	0.65	10.0	60	0.59	10.0	95	0.65	10.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	85	0.65	10.0	50	0.59	10.0	–	–	–	–	–	–	–	–	–	–	–	–

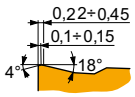
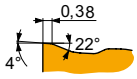
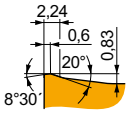
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría HR para desbaste a desbaste pesado con corte contínuo a interrumpido.																	
CNMM 250924E-HR	**6640**	2.4	75	0.65	14.0	45	0.59	14.0	70	0.65	14.0	–	–	–	–	–	–	–	–	–
	T8345	2.4	55	0.65	14.0	30	0.59	14.0	50	0.65	14.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	110	0.65	14.0	–	–	–	100	0.65	14.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	100	0.65	14.0	60	0.59	14.0	95	0.65	14.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	80	0.65	14.0	45	0.59	14.0	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría HR2 para desbaste a desbaste pesado con corte contínuo a interrumpido.																	
CNMM 190616-HR2	**T9226**	1.6	85	0.65	10.0	50	0.59	10.0	80	0.65	10.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	110	0.65	10.0	–	–	–	100	0.65	10.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	80	0.65	10.0	45	0.59	10.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 190624-HR2	**T9226**	2.4	80	0.85	10.0	45	0.77	10.0	75	0.85	10.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	100	0.85	10.0	–	–	–	95	0.85	10.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	75	0.85	10.0	45	0.77	10.0	–	–	–	–	–	–	–	–	–	–	–	–
CNMM 250924-HR2	**T9315**	2.4	100	0.85	12.0	–	–	–	95	0.85	12.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	75	0.85	12.0	45	0.77	12.0	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría NR para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
CNMM 120408E-NR	**6640**	0.8	155	0.40	3.0	90	0.36	3.0	145	0.40	3.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	175	0.40	3.0	135	0.36	3.0	–	–	–	–	–	–	55	0.28	2.4	–	–	–
	T7335	0.8	165	0.40	3.0	125	0.36	3.0	–	–	–	–	–	–	50	0.28	2.4	–	–	–
	T8330	0.8	155	0.40	3.0	90	0.36	3.0	145	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
	T8430	0.8	165	0.40	3.0	90	0.36	3.0	135	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
	T9315	0.8	215	0.40	3.0	–	–	–	200	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	195	0.40	3.0	115	0.36	3.0	185	0.40	3.0	–	–	–	40	0.28	2.4	–	–	–
CNMM 120412E-NR	**T7325**	1.2	185	0.40	3.0	140	0.36	3.0	–	–	–	–	–	–	60	0.28	2.4	–	–	–
	T7335	1.2	175	0.40	3.0	135	0.36	3.0	–	–	–	–	–	–	55	0.28	2.4	–	–	–
	T8330	1.2	165	0.40	3.0	95	0.36	3.0	155	0.40	3.0	–	–	–	40	0.28	2.4	–	–	–
	T8430	1.2	170	0.40	3.0	90	0.36	3.0	135	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
	T9325	1.2	205	0.40	3.0	120	0.36	3.0	190	0.40	3.0	–	–	–	45	0.28	2.4	–	–	–
			Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
CNMM 120408E-NR2	**T7325**	0.8	165	0.40	5.0	125	0.36	5.0	–	–	–	–	–	–	50	0.28	4.0	–	–	–
	T7335	0.8	155	0.40	5.0	120	0.36	5.0	–	–	–	–	–	–	50	0.28	4.0	–	–	–
	T8330	0.8	150	0.40	5.0	90	0.36	5.0	140	0.40	5.0	–	–	–	35	0.28	4.0	–	–	–
	T8430	0.8	150	0.40	5.0	80	0.36	5.0	125	0.40	5.0	–	–	–	30	0.28	4.0	–	–	–
	T9315	0.8	205	0.40	5.0	–	–	–	190	0.40	5.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.40	5.0	110	0.36	5.0	175	0.40	5.0	–	–	–	40	0.28	4.0	–	–	–
CNMM 120412E-NR2	**T7335**	1.2	155	0.45	5.0	120	0.41	5.0	–	–	–	–	–	–	50	0.32	4.0	–	–	–
	T8330	1.2	150	0.45	5.0	90	0.41	5.0	140	0.45	5.0	–	–	–	35	0.32	4.0	–	–	–
	T8430	1.2	150	0.45	5.0	80	0.41	5.0	125	0.45	5.0	–	–	–	30	0.32	4.0	–	–	–
	T9315	1.2	205	0.45	5.0	–	–	–	190	0.45	5.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.45	5.0	110	0.41	5.0	175	0.45	5.0	–	–	–	40	0.32	4.0	–	–	–
CNMM 160608E-NR2	**T8330**	0.8	145	0.40	6.0	85	0.36	6.0	135	0.40	6.0	–	–	–	35	0.32	4.8	–	–	–
	T8430	0.8	150	0.40	6.0	80	0.36	6.0	125	0.40	6.0	–	–	–	30	0.32	4.8	–	–	–
	T9325	0.8	180	0.40	6.0	105	0.36	6.0	170	0.40	6.0	–	–	–	40	0.32	4.8	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
CNMM 160612E-NR2	**T7325**	1.2	165	0.45	6.0	125	0.41	6.0	–	–	–	–	–	–	50	0.36	4.8	–	–	–
	T7335	1.2	155	0.45	6.0	120	0.41	6.0	–	–	–	–	–	–	50	0.36	4.8	–	–	–
	T8330	1.2	145	0.45	6.0	85	0.41	6.0	135	0.45	6.0	–	–	–	35	0.36	4.8	–	–	–
	T8430	1.2	150	0.45	6.0	80	0.41	6.0	125	0.45	6.0	–	–	–	30	0.36	4.8	–	–	–
	T9315	1.2	205	0.45	6.0	–	–	–	190	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.45	6.0	110	0.41	6.0	175	0.45	6.0	–	–	–	40	0.36	4.8	–	–	–
CNMM 160616E-NR2	**T7325**	1.6	165	0.50	6.0	125	0.45	6.0	–	–	–	–	–	–	50	0.40	4.8	–	–	–
	T7335	1.6	160	0.50	6.0	120	0.45	6.0	–	–	–	–	–	–	50	0.40	4.8	–	–	–
	T9325	1.6	180	0.50	6.0	105	0.45	6.0	170	0.50	6.0	–	–	–	40	0.40	4.8	–	–	–
CNMM 190612E-NR2	**T7325**	1.2	155	0.45	9.0	120	0.41	9.0	–	–	–	–	–	–	50	0.36	7.2	–	–	–
	T7335	1.2	145	0.45	9.0	110	0.41	9.0	–	–	–	–	–	–	45	0.36	7.2	–	–	–
	T8330	1.2	140	0.45	9.0	80	0.41	9.0	130	0.45	9.0	–	–	–	35	0.36	7.2	–	–	–
	T8430	1.2	140	0.45	9.0	75	0.41	9.0	115	0.45	9.0	–	–	–	30	0.36	7.2	–	–	–
	T9325	1.2	175	0.45	9.0	105	0.41	9.0	165	0.45	9.0	–	–	–	35	0.36	7.2	–	–	–
CNMM 190616E-NR2	**T7325**	1.6	160	0.50	9.0	120	0.45	9.0	–	–	–	–	–	–	50	0.40	7.2	–	–	–
	T7335	1.6	150	0.50	9.0	115	0.45	9.0	–	–	–	–	–	–	45	0.40	7.2	–	–	–
	T8330	1.6	140	0.50	9.0	80	0.45	9.0	130	0.50	9.0	–	–	–	35	0.40	7.2	–	–	–
	T8430	1.6	140	0.50	9.0	75	0.45	9.0	115	0.50	9.0	–	–	–	30	0.40	7.2	–	–	–
	T9315	1.6	195	0.50	9.0	–	–	–	185	0.50	9.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	175	0.50	9.0	105	0.45	9.0	165	0.50	9.0	–	–	–	35	0.40	7.2	–	–	–
CNMM 190624E-NR2	**T7335**	2.4	130	0.80	9.0	100	0.72	9.0	–	–	–	–	–	–	40	0.56	7.2	–	–	–
	T9325	2.4	150	0.80	9.0	90	0.72	9.0	140	0.80	9.0	–	–	–	30	0.56	7.2	–	–	–
CNMM 250924E-NR2	**T7325**	2.4	100	0.80	12.0	75	0.72	12.0	–	–	–	–	–	–	30	0.56	9.6	–	–	–
	T7335	2.4	95	0.80	12.0	70	0.72	12.0	–	–	–	–	–	–	30	0.56	9.6	–	–	–
	T8430	2.4	80	0.80	12.0	45	0.72	12.0	65	0.80	12.0	–	–	–	15	0.56	9.6	–	–	–
	T9315	2.4	110	0.80	12.0	–	–	–	100	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	100	0.80	12.0	60	0.72	12.0	95	0.80	12.0	–	–	–	20	0.56	9.6	–	–	–
																				
Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
CNMM 250924-NRM	**T7325**	2.4	95	0.70	10.0	70	0.63	10.0	–	–	–	–	–	–	30	0.49	8.0	–	–	–
	T7335	2.4	90	0.70	10.0	70	0.63	10.0	–	–	–	–	–	–	25	0.49	8.0	–	–	–
	T9315	2.4	115	0.70	10.0	–	–	–	105	0.70	10.0	–	–	–	–	–	–	–	–	–
																				
Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
CNMM 120408E-OR	**T8330**	0.8	150	0.40	5.0	90	0.36	5.0	140	0.40	5.0	–	–	–	35	0.28	4.0	–	–	–
	T8430	0.8	150	0.40	5.0	80	0.36	5.0	125	0.40	5.0	–	–	–	30	0.28	4.0	–	–	–
	T9315	0.8	205	0.40	5.0	–	–	–	190	0.40	5.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.40	5.0	110	0.36	5.0	175	0.40	5.0	–	–	–	40	0.28	4.0	–	–	–
	T9335	0.8	160	0.40	5.0	95	0.36	5.0	–	–	–	–	–	–	35	0.28	4.0	–	–	–
CNMM 120412E-OR	**T9315**	1.2	205	0.45	5.0	–	–	–	190	0.45	5.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.45	5.0	110	0.41	5.0	175	0.45	5.0	–	–	–	40	0.36	4.0	–	–	–
	T9335	1.2	165	0.45	5.0	95	0.41	5.0	–	–	–	–	–	–	35	0.36	4.0	–	–	–
CNMM 120416E-OR	**T9325**	1.6	190	0.50	5.0	110	0.45	5.0	180	0.50	5.0	–	–	–	40	0.40	4.0	–	–	–
	T9335	1.6	165	0.50	5.0	95	0.45	5.0	–	–	–	–	–	–	35	0.40	4.0	–	–	–
CNMM 160608E-OR	**T9315**	0.8	205	0.40	6.0	–	–	–	190	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	180	0.40	6.0	105	0.36	6.0	170	0.40	6.0	–	–	–	40	0.32	4.8	–	–	–
	T9335	0.8	160	0.40	6.0	95	0.36	6.0	–	–	–	–	–	–	35	0.32	4.8	–	–	–
CNMM 160612E-OR	**T8430**	1.2	150	0.45	6.0	80	0.41	6.0	125	0.45	6.0	–	–	–	30	0.36	4.8	–	–	–
	T9315	1.2	205	0.45	6.0	–	–	–	190	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.45	6.0	110	0.41	6.0	175	0.45	6.0	–	–	–	40	0.36	4.8	–	–	–

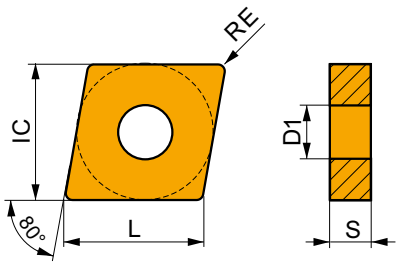
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
			Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
CNMM 160616E-OR	**T9315**	1.6	205	0.50	6.0	–	–	–	190	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	180	0.50	6.0	105	0.45	6.0	170	0.50	6.0	–	–	–	40	0.40	4.8	–	–	–
CNMM 190612E-OR	**T8330**	1.2	140	0.45	9.0	80	0.41	9.0	130	0.45	9.0	–	–	–	35	0.36	7.2	–	–	–
	T8430	1.2	140	0.45	9.0	75	0.41	9.0	115	0.45	9.0	–	–	–	30	0.36	7.2	–	–	–
	T9315	1.2	195	0.45	9.0	–	–	–	185	0.45	9.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	175	0.45	9.0	105	0.41	9.0	165	0.45	9.0	–	–	–	35	0.36	7.2	–	–	–
	T9335	1.2	150	0.45	9.0	90	0.41	9.0	–	–	–	–	–	–	30	0.36	7.2	–	–	–
CNMM 190616E-OR	**T8330**	1.6	140	0.50	9.0	80	0.45	9.0	130	0.50	9.0	–	–	–	35	0.40	7.2	–	–	–
	T8345	1.6	120	0.50	9.0	70	0.45	9.0	110	0.50	9.0	–	–	–	30	0.40	7.2	–	–	–
	T8430	1.6	140	0.50	9.0	75	0.45	9.0	115	0.50	9.0	–	–	–	30	0.40	7.2	–	–	–
	T9315	1.6	195	0.50	9.0	–	–	–	185	0.50	9.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	175	0.50	9.0	105	0.45	9.0	165	0.50	9.0	–	–	–	35	0.40	7.2	–	–	–
	T9335	1.6	155	0.50	9.0	90	0.45	9.0	–	–	–	–	–	–	30	0.40	7.2	–	–	–
CNMM 190624E-OR	**T9315**	2.4	165	0.80	9.0	–	–	–	155	0.80	9.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	150	0.80	9.0	90	0.72	9.0	140	0.80	9.0	–	–	–	30	0.56	7.2	–	–	–
CNMM 250924E-OR	**T8330**	2.4	75	1.00	12.0	45	0.90	12.0	70	1.00	12.0	–	–	–	15	0.70	9.6	–	–	–
	T8430	2.4	75	1.00	12.0	40	0.90	12.0	60	1.00	12.0	–	–	–	15	0.70	9.6	–	–	–
	T9315	2.4	100	1.00	12.0	–	–	–	95	1.00	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	95	1.00	12.0	55	0.90	12.0	90	1.00	12.0	–	–	–	20	0.70	9.6	–	–	–
	T9335	2.4	75	1.00	12.0	45	0.90	12.0	–	–	–	–	–	–	15	0.70	9.6	–	–	–
																				
			Geometría OR1 para semi-desbaste a desbaste pesado, con corte contínuo a interrumpido.																	
CNMM 190616E-OR1	**T9325**	1.6	175	0.50	9.0	105	0.45	9.0	165	0.50	9.0	–	–	–	35	0.35	7.2	–	–	–
	T9335	1.6	155	0.50	9.0	90	0.45	9.0	–	–	–	–	–	–	30	0.35	7.2	–	–	–
																				
			Geometría 923 para semi-desbaste a desbaste pesado con corte contínuo a muy interrumpido.																	
CNMM 250924S-923	**T8330**	2.4	75	0.85	12.0	45	0.77	12.0	70	0.85	12.0	–	–	–	15	0.60	9.6	–	–	–
	T8430	2.4	75	0.85	12.0	40	0.77	12.0	60	0.85	12.0	–	–	–	15	0.60	9.6	–	–	–
	T9335	2.4	75	0.85	12.0	45	0.77	12.0	–	–	–	–	–	–	15	0.60	9.6	–	–	–

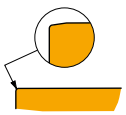
CNGA CER

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.90	4.76



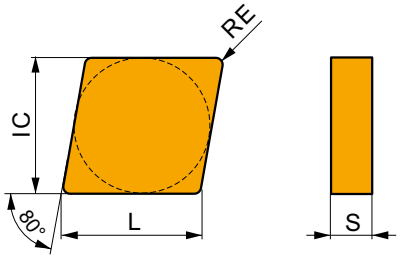
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC T																	
			Para mecanizado con altas velocidades y corte contínuo.																	
CNGA 120404 T02020	**TC100**	0.4	–	–	–	–	–	–	590	0.10	2.0	–	–	–	–	–	–	–	–	–
CNGA 120408 T01020	**TC100**	0.8	–	–	–	–	–	–	550	0.20	2.0	–	–	–	–	–	–	–	–	–
CNGA 120412 T01020	**TC100**	1.2	–	–	–	–	–	–	540	0.25	2.0	–	–	–	–	–	–	–	–	–

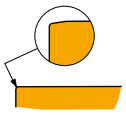
CNGN CER

PRAMET

	IC (mm)	L (mm)	S (mm)
1204	12.700	12.90	4.76
1207	12.700	12.90	7.94



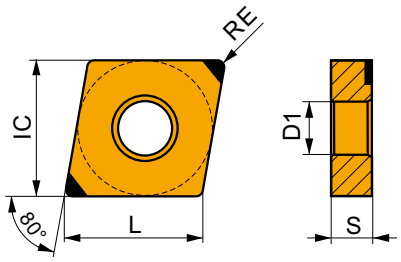
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC T																	
			Para mecanizado con altas velocidades y corte contínuo.																	
CNGN 120408 T01020	**TC100**	0.8	–	–	–	–	–	–	550	0.20	2.0	–	–	–	–	–	–	–	–	–
CNGN 120708 T01020	**TC100**	0.8	–	–	–	–	–	–	550	0.20	2.0	–	–	–	–	–	–	–	–	–
CNGN 120712 T01020	**TC100**	1.2	–	–	–	–	–	–	540	0.25	2.0	–	–	–	–	–	–	–	–	–

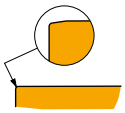
CNGA CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.90	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		S															
			Para acabado con corte contínuo.																	
CNGA 120404S01020B	TB310	0.4	–	–	–	–	–	–	510	0.10	0.4	–	–	–	135	0.07	0.3	105	0.15	1.0
CNGA 120408S01020B	TB310	0.8	–	–	–	–	–	–	530	0.15	0.6	–	–	–	140	0.11	0.5	110	0.15	1.0

DCBN(RL) EXT

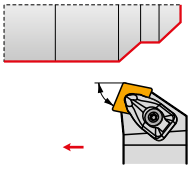
P M K N S H

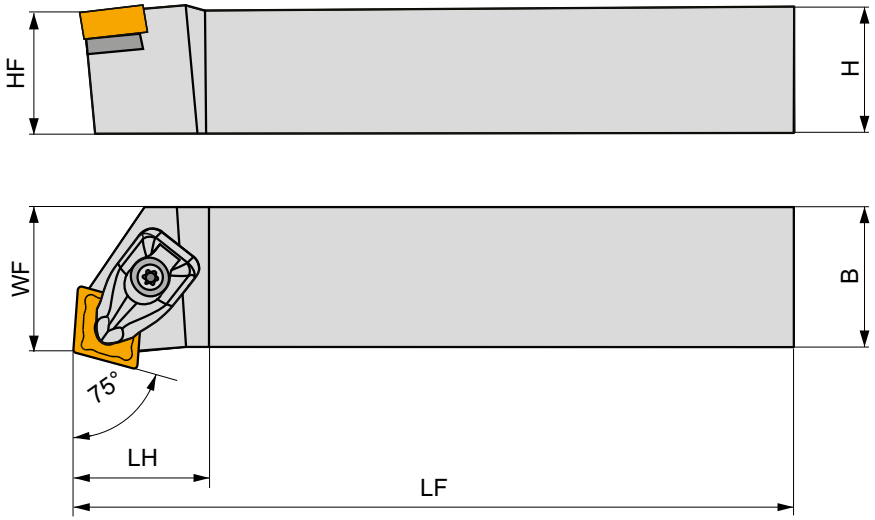
PRAMET

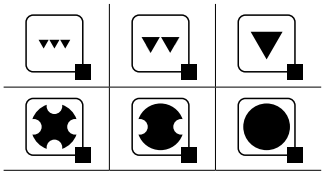
D

Portaherramientas de Torneado Exterior con Fijación Doble, a 75°, para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 75°. Adecuado para torneado longitudinal sin escuadra, refrentado y achaflanado con plaquitas negativas CN .. de 12 hasta 19. Disponible con mangos de 20x20 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg			
R	DCBNR 2020 K 12	20	20	20	17	125	34.2	-6	-6	0.43	GI043	DC12	AT001
	DCBNR 2525 M 12	25	25	25	22	150	34.6	-6	-6	0.76	GI043	DC12	AT001
	DCBNR 3225 P 12	32	25	32	22	170	34.6	-6	-6	1.09	GI043	DC12	AT001
	DCBNR 2525 M 16	25	25	25	22	150	41.5	-6	-6	0.80	GI050	DC16	AT005
	DCBNR 3225 P 16	32	25	32	22	170	32	-6	-6	1.11	GI050	DC16	AT005
	DCBNR 3232 P 19	32	32	32	27	170	46.1	-6	-6	1.39	GI042	DC19	–
	DCBNR 4040 S 19	40	40	40	35	250	46.7	-6	-6	3.16	GI042	DC19	–
L	DCBNL 2020 K 12	20	20	20	17	125	34.2	-6	-6	0.43	GI043	DC12	AT001
	DCBNL 2525 M 12	25	25	25	22	150	34.6	-6	-6	0.76	GI043	DC12	AT001
	DCBNL 3225 P 12	32	25	32	22	170	34.6	-6	-6	1.09	GI043	DC12	AT001
	DCBNL 2525 M 16	25	25	25	22	150	41.5	-6	-6	0.79	GI050	DC16	AT005
	DCBNL 3225 P 16	32	25	32	22	170	32	-6	-6	1.11	GI050	DC16	AT005
	DCBNL 3232 P 19	32	32	32	27	170	46.1	-6	-6	1.39	GI042	DC19	–

GI042	CN.. 1906..
GI043	CN.. 1204..
GI050	CN.. 1606..

		Nm				
DC12	DCS 12	3.9	DCS 234-01	US 2002-T15P	FLAG T15P/3,5	–
DC16	DCS 16	6.4	DCS 234-03	US 2007-T20P	–	LK T20P
DC19	DCS 19	6.4	DCS 236-01	US 2007-T20P	–	LK T20P

AT001a	CN.. 1207..	–	DCS 234-02
AT005a	CN.. 1607..	–	DCS 234-04
AT001b	CER CN.N 1204..	DCS 12C4	–
AT001c	CER CN.A 1204..	DCS 12C2	–
AT005b	CER CN.N 1606..	DCS 16C4	–
AT005c	CER CN.A 1606..	DCS 16C2	–

DCKN(RL) EXT

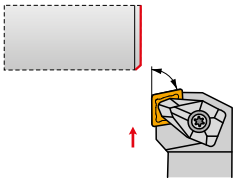
P M K N S H

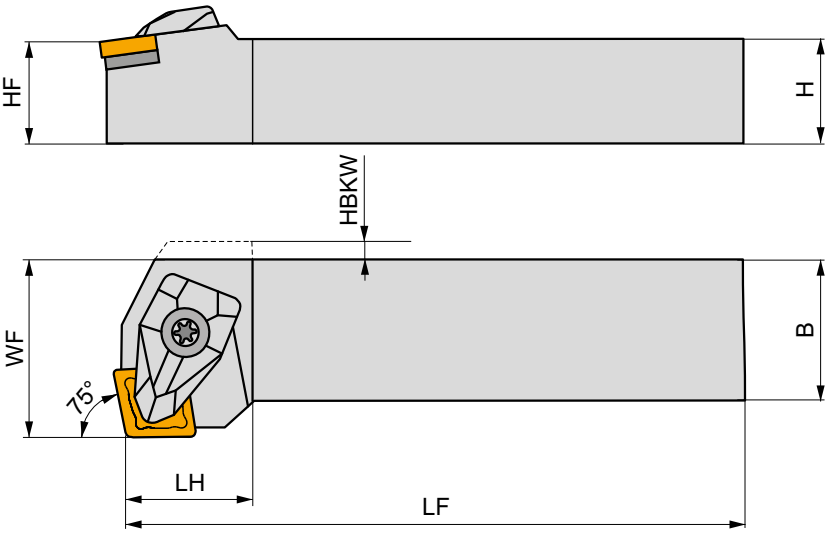
PRAMET

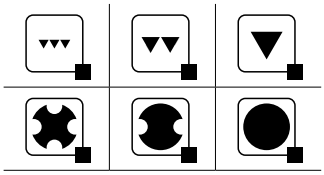
D

Portaherramientas de Exterior con Fijación Doble, a 75° (Frontal), para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 75°. Adecuado para refrentado y ocasionalmente para achaflanado con plaquitas negativas CN .. 12 o 16. Disponible con mangos de 20x20 hasta 32x32 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	HBKW (mm)	LAMS (°)	GAMO (°)	kg			
R	DCKNR 2020 K 12	20	20	20	25	125	21.2	4.5	-6	-6	0.46	GI043	DC12	AT001
	DCKNR 2525 M 12	25	25	25	32	150	21.1	–	-6	-6	0.80	GI043	DC12	AT001
	DCKNR 3225 P 12	32	25	32	32	170	21.1	–	-6	-6	1.14	GI043	DC12	AT001
	DCKNR 3232 P 16	32	32	32	40	170	26	–	-6	-6	1.46	GI050	DC16	AT005
L	DCKNL 2020 K 12	20	20	20	25	125	21.2	4.5	-6	-6	0.46	GI043	DC12	AT001
	DCKNL 2525 M 12	25	25	25	32	150	21.1	–	-6	-6	0.80	GI043	DC12	AT001
	DCKNL 3225 P 12	32	25	32	32	170	21.1	–	-6	-6	1.13	GI043	DC12	AT001
	DCKNL 3232 P 16	32	32	32	40	170	26	–	-6	-6	1.46	GI050	DC16	AT005

GI043	CN.. 1204..
GI050	CN.. 1606..

DC12	DCS 12	3.9	DCS 234-01	US 2002-T15P	FLAG T15P/3,5	–
DC16	DCS 16	6.4	DCS 234-03	US 2007-T20P	–	LK T20P

AT001a	CN.. 1207..	–	DCS 234-02
AT005a	CN.. 1607..	–	DCS 234-04
AT001b	CER CN.N 1204..	DCS 12C4	–
AT001c	CER CN.A 1204..	DCS 12C2	–
AT005b	CER CN.N 1606..	DCS 16C4	–
AT005c	CER CN.A 1606..	DCS 16C2	–

DCLN(RL) EXT

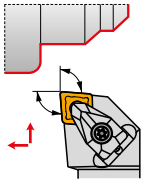
P M K N S H

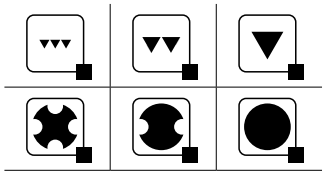
PRAMET

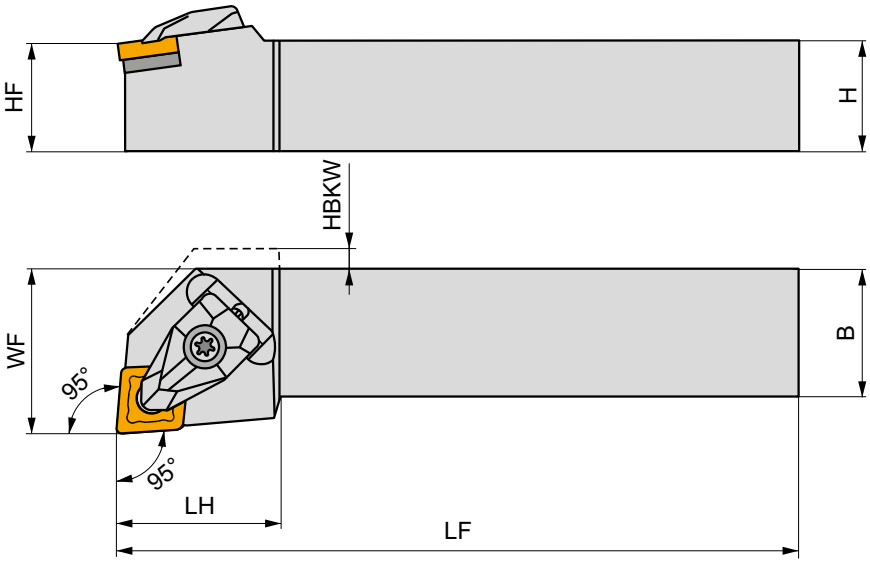
D

Portaherramientas de Torneado Exterior con Fijación Doble, a 95°, para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 95°. Adecuado para torneado longitudinal con escuadra, refrentado y achaflanado con plaquitas negativas CN .. de 09 hasta 19. Disponible con mangos de 16x16 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	HBKW (mm)	LAMS (°)	GAMO (°)	kg			
R	**DCLNR 1616 H 09**	16	16	16	20	100	25	–	-6	-6	0.27	GI133	DC09	–
	DCLNR 2020 K 09	20	20	20	25	125	25	–	-6	-6	0.44	GI133	DC09	–
	DCLNR 2525 M 09	25	25	25	32	150	25	–	-6	-6	0.78	GI133	DC09	–
	DCLNR 1616 H 12	16	16	16	20	100	32.3	4.5	-6	-6	0.26	GI043	DCI12	AT001
	DCLNR 2020 K 12	20	20	20	25	125	30	–	-6	-6	0.44	GI043	DC12	AT001
	DCLNR 2525 M 12	25	25	25	32	150	30	–	-6	-6	0.78	GI043	DC12	AT001
	DCLNR 3225 P 12	32	25	32	32	170	30	–	-6	-6	1.10	GI043	DC12	AT001
	DCLNR 2525 M 16	25	25	25	32	150	39	–	-6	-6	0.81	GI050	DC16	AT005
	DCLNR 3225 P 16	32	25	32	32	170	35	–	-6	-6	1.20	GI050	DC16	AT005
	DCLNR 3232 P 19	32	32	32	40	170	40	–	-6	-6	1.55	GI042	DC19	–
	DCLNR 4040 S 19	40	40	40	50	250	43.4	–	-6	-6	3.26	GI042	DC19	–
L	**DCLNL 1616 H 09**	16	16	16	20	100	24.8	–	-6	-6	0.22	GI133	DC09	–
	DCLNL 2020 K 09	20	20	20	25	125	24.8	–	-6	-6	0.42	GI133	DC09	–
	DCLNL 2525 M 09	25	25	25	32	150	24.8	–	-6	-6	0.76	GI133	DC09	–
	DCLNL 1616 H 12	16	16	16	20	100	32.2	4.5	-6	-6	0.26	GI043	DCI12	AT001
	DCLNL 2020 K 12	20	20	20	25	125	32	–	-6	-6	0.44	GI043	DC12	AT001
	DCLNL 2525 M 12	25	25	25	32	150	32	–	-6	-6	0.78	GI043	DC12	AT001
	DCLNL 3225 P 12	32	25	32	32	170	32	–	-6	-6	1.10	GI043	DC12	AT001
	DCLNL 2525 M 16	25	25	25	32	150	39	–	-6	-6	0.81	GI050	DC16	AT005
	DCLNL 3225 P 16	32	25	32	32	170	39	–	-6	-6	1.20	GI050	DC16	AT005
	DCLNL 3232 P 19	32	32	32	40	170	43.2	–	-6	-6	1.51	GI042	DC19	–
	DCLNL 4040 S 19	40	40	40	50	250	43.4	–	-6	-6	3.26	GI042	DC19	–

GI042	CN.. 1906..
GI043	CN.. 1204..

GI050	CN.. 1606..
GI133	CN.. 0903..

		Nm				
DC09	DCS 09	1.7	DCS 236-04	US 2004-T09P	FLAG T09P	–
DC12	DCS 12	3.9	DCS 234-01	US 2002-T15P	FLAG T15P/3,5	–
DC16	DCS 16	6.4	DCS 234-03	US 2007-T20P	–	LK T20P
DC19	DCS 19	6.4	DCS 236-01	US 2007-T20P	–	LK T20P
DCI12	DCS 12	3.9	DCS 236-03	US 2002-T15P	FLAG T15P/3,5	–

AT001a	CN.. 1207..	–	DCS 234-02
AT005a	CN.. 1607..	–	DCS 234-04
AT001b	CER CN.N 1204..	DCS 12C4	–
AT001c	CER CN.A 1204..	DCS 12C2	–
AT005b	CER CN.N 1606..	DCS 16C4	–
AT005c	CER CN.A 1606..	DCS 16C2	–

PCBN(RL) EXT

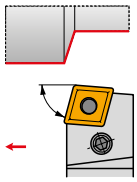
P M K N S H

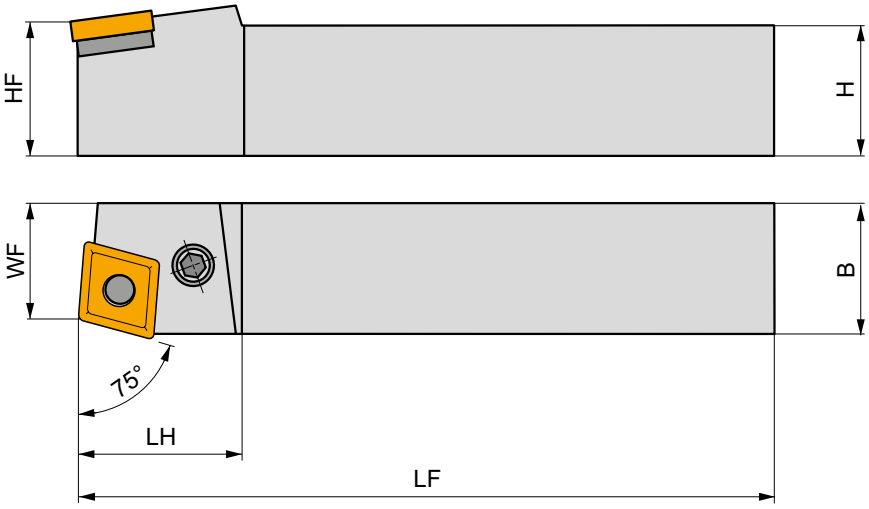
PRAMET

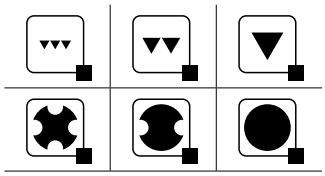
P

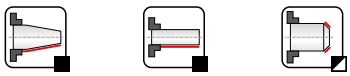
Portaherramientas de Torneado Exterior con Fijación por Palanca, a 75°, para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 75°. Adecuado para torneado longitudinal sin escuadra, torneado en cono y achaflanado con plaquitas negativas CN.. 12, 16, 19 o 25. Disponible con mangos de 20x20 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PCBNR 2020 K 12	20	20	20	17	125	36	-6	-6	0.43	GI043	PC22
	PCBNR 2525 M 12	25	25	25	22	150	36	-6	-6	0.63	GI043	PC20
	PCBNR 3225 P 12	32	25	32	22	170	36	-6	-6	0.70	GI043	PC20
	PCBNR 3232 P 16	32	32	32	27	170	40	-6	-6	1.36	GI050	PC40
	PCBNR 3232 P 19	32	32	32	27	170	45	-6	-6	1.10	GI042	PC50
	PCBNR 4040 S 19	40	40	40	35	250	45	-6	-6	3.15	GI042	PC50
	PCBNR 4040 S 25	40	40	40	35	250	45	-6	-6	3.10	GI062	PC60
	PCBNR 5050 T 25	50	50	50	43	300	50	-6	-6	5.80	GI062	PC60
L	PCBNL 2020 K 12	20	20	20	17	125	36	-6	-6	0.38	GI043	PC22
	PCBNL 2525 M 12	25	25	25	22	150	36	-6	-6	0.73	GI043	PC20
	PCBNL 3225 P 12	32	25	32	22	170	36	-6	-6	0.70	GI043	PC20
	PCBNL 3232 P 16	32	32	32	27	170	40	-6	-6	1.25	GI050	PC40
	PCBNL 3232 P 19	32	32	32	27	170	45	-6	-6	1.10	GI042	PC50
	PCBNL 4040 S 19	40	40	40	35	250	45	-6	-6	3.15	GI042	PC50
	PCBNL 4040 S 25	40	40	40	35	250	45	-6	-6	3.15	GI062	PC60
	PCBNL 5050 T 25	50	50	50	43	300	50	-6	-6	5.80	GI062	PC60

GI042	CN.. 1906..
GI043	CN.. 1204..
GI050	CN.. 1606..
GI062	CN.. 2509..

				Nm					
PC20	CNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PC22	CNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PC40	CNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PC50	CNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PC60	CNU 250620	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5

PCKN(RL) EXT

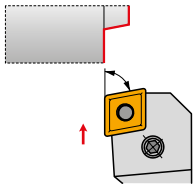
P M K N S H

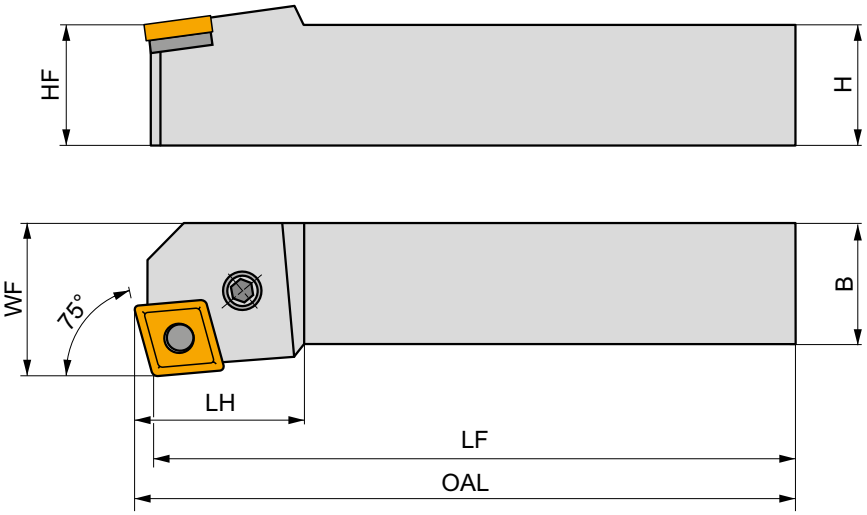
PRAMET

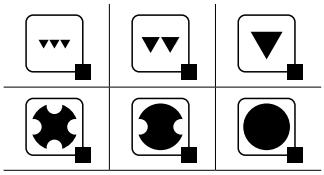
P

Portaherramientas de Exterior con Fijación por Palanca, a 75° (Refrentado), para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 75°. Adecuado para torneado longitudinal sin escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas CN.. 12 a 19. Disponible con mangos de 20x20 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**PCKNR 2020 K 12**	20	20	20	25	125	36	-6	-6	0.42	GI043	PC22
	PCKNR 2525 M 12	25	25	25	32	150	36	-6	-6	0.79	GI043	PC20
	PCKNR 3225 P 12	32	25	32	32	170	36	-6	-6	0.85	GI043	PC20
	PCKNR 3232 P 16	32	32	32	40	170	40	-6	-6	1.43	GI050	PC40
	PCKNR 3232 P 19	32	32	32	40	170	45	-6	-6	1.40	GI042	PC50
	PCKNR 4040 S 19	40	40	40	50	250	45	-6	-6	3.25	GI042	PC50
L	**PCKNL 2020 K 12**	20	20	20	25	125	36	-6	-6	0.42	GI043	PC22
	PCKNL 2525 M 12	25	25	25	32	150	36	-6	-6	0.78	GI043	PC20
	PCKNL 3225 P 12	32	25	32	32	170	36	-6	-6	1.15	GI043	PC20
	PCKNL 3232 P 16	32	32	32	40	170	40	-6	-6	1.40	GI050	PC40
	PCKNL 3232 P 19	32	32	32	40	170	45	-6	-6	1.40	GI042	PC50
	PCKNL 4040 S 19	40	40	40	50	250	45	-6	-6	3.27	GI042	PC50

GI042	CN.. 1906..
GI043	CN.. 1204..
GI050	CN.. 1606..

				Nm					
PC20	CNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PC22	CNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PC40	CNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PC50	CNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5

PCLN(RL) EXT

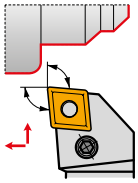
P M K N S H

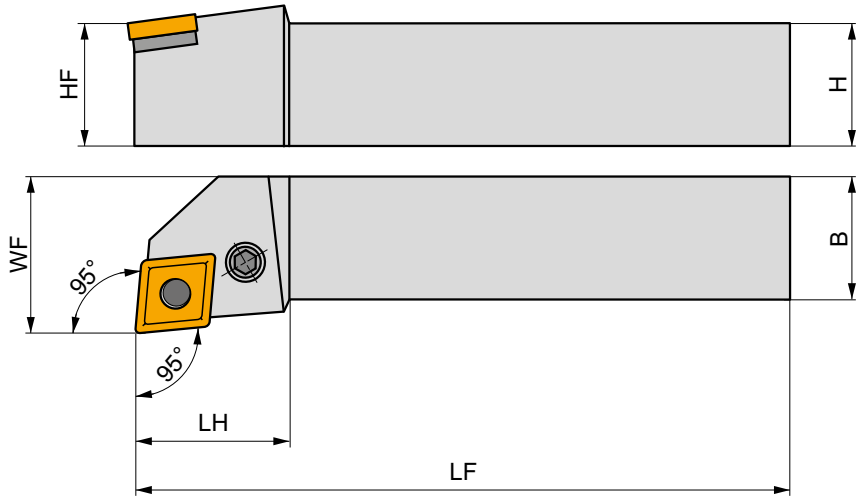
PRAMET

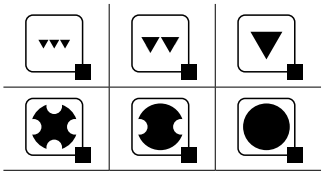
P

Portaherramientas de Torneado Exterior con Fijación por Palanca, a 95°, para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 95°. Adecuado para torneado y refrentado con escuadra, torneado en cono y achaflanado con plaquitas negativas CN.. 12, 16, 19 o 25. Disponible con mangos de 20x20 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PCLNR 2020 K 12	20	20	20	25	125	36	-6	-6	0.44	GI043	PC22
	PCLNR 2525 M 12	25	25	25	32	150	36	-6	-6	0.68	GI043	PC20
	PCLNR 3225 P 12	32	25	32	32	170	36	-6	-6	0.98	GI043	PC20
	PCLNR 3225 P 16	32	25	32	32	170	40	-6	-6	1.10	GI050	PC40
	PCLNR 3232 P 19	32	32	32	40	170	45	-6	-6	1.40	GI042	PC50
	PCLNR 4040 R 19	40	40	40	50	200	45	-6	-6	2.50	GI042	PC50
	PCLNR 4040 S 19	40	40	40	50	250	45	-6	-6	3.19	GI042	PC50
	PCLNR 4040 S 25	40	40	40	50	250	45	-6	-6	3.15	GI062	PC60
	PCLNR 5050 T 25	50	50	50	60	300	50	-6	-6	5.90	GI062	PC60
L	PCLNL 2020 K 12	20	20	20	25	125	36	-6	-6	0.42	GI043	PC22
	PCLNL 2525 M 12	25	25	25	32	150	36	-6	-6	0.75	GI043	PC20
	PCLNL 3225 P 12	32	25	32	32	170	36	-6	-6	1.10	GI043	PC20
	PCLNL 3225 P 16	32	25	32	32	170	40	-6	-6	1.10	GI050	PC40
	PCLNL 3232 P 19	32	32	32	40	170	45	-6	-6	1.42	GI042	PC50
	PCLNL 4040 R 19	40	40	40	50	200	45	-6	-6	2.60	GI042	PC50
	PCLNL 4040 S 19	40	40	40	50	250	45	-6	-6	3.19	GI042	PC50
	PCLNL 4040 S 25	40	40	40	50	250	45	-6	-6	2.45	GI062	PC60
	PCLNL 5050 T 25	50	50	50	60	300	50	-6	-6	5.90	GI062	PC60

GI042	CN.. 1906..
GI043	CN.. 1204..
GI050	CN.. 1606..
GI062	CN.. 2509..

PC20	CNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PC22	CNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PC40	CNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PC50	CNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PC60	CNU 250620	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5

NEW

C.-DCLN(RL) EXT

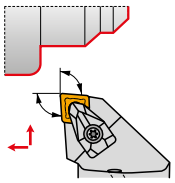
P M K N S H

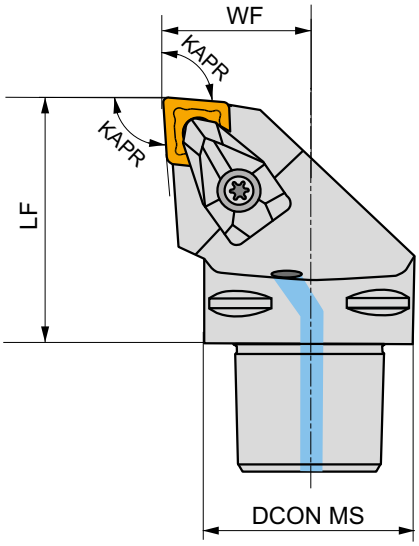
PRAMET

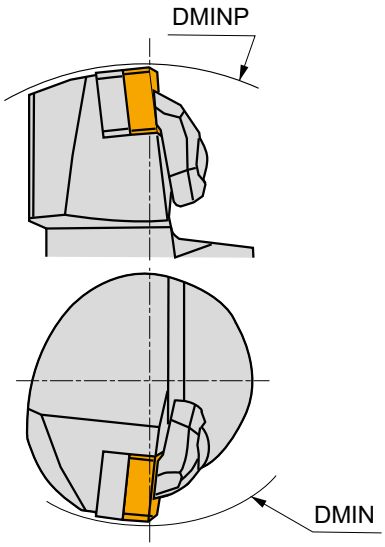
D

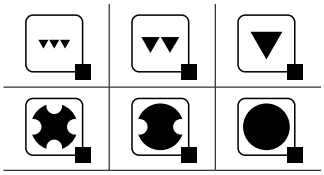
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 95°, para Plaquitas CN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 95° para torneado y refrentado con escuadra y achaflanado con plaquitas negativas CN.. de 12 hasta 19. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C3 hasta C8. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	C3-DCLNR-22045-12	32	60	121	22	45	95	-6	-6	✓	0.25	GI043	C-DC12	AT001
	C4-DCLNR-27050-12	40	110	140	27	50	95	-6	-6	✓	0.44	GI043	C-DC12	AT001
	C4-DCLNR-27055-16	40	125	145	27	55	95	-6	-6	✓	0.47	GI050	C-DC16	AT005
	C5-DCLNR-35060-12	50	110	165	35	60	95	-6	-6	✓	0.79	GI043	C-DC12	AT001
	C5-DCLNR-35060-16	50	125	165	35	60	95	-6	-6	✓	0.80	GI050	C-DC16	AT005
	C6-DCLNR-45065-12	63	110	190	45	65	95	-6	-6	✓	1.32	GI043	C-DC12	AT001
	C6-DCLNR-45065-16	63	125	190	45	65	95	-6	-6	✓	1.34	GI050	C-DC16	AT005
	C6-DCLNR-45065-19	63	81	190	45	65	95	-6	-6	✓	1.34	GI042	C-DC19	–
	C8-DCLNR-55080-19	80	100	250	55	80	95	-6	-6	✓	2.58	GI042	C-DC19	–
L	C4-DCLNL-27050-12	40	110	140	27	50	95	-6	-6	✓	0.44	GI043	C-DC12	AT001
	C4-DCLNL-27055-16	40	125	145	27	55	95	-6	-6	✓	0.48	GI050	C-DC16	AT005
	C5-DCLNL-35060-12	50	110	165	35	60	95	-6	-6	✓	0.79	GI043	C-DC12	AT001
	C5-DCLNL-35060-16	50	125	165	35	60	95	-6	-6	✓	0.80	GI050	C-DC16	AT005
	C6-DCLNL-45065-12	63	110	190	45	65	95	-6	-6	✓	1.32	GI043	C-DC12	AT001
	C6-DCLNL-45065-16	63	125	190	45	65	95	-6	-6	✓	1.34	GI050	C-DC16	AT005
	C6-DCLNL-45065-19	63	81	190	45	65	95	-6	-6	✓	1.34	GI042	C-DC19	–
	C8-DCLNL-55080-16	80	125	250	55	80	95	-6	-6	✓	2.58	GI050	C-DC16	AT005
	C8-DCLNL-55080-19	80	100	250	55	80	95	-6	-6	✓	2.58	GI042	C-DC19	–

GI042	CN.. 1906..
GI043	CN.. 1204..
GI050	CN.. 1606..

		Nm					
C-DC12	DCS 12	3.9	DCS 234-01	US 2002-T15P	FLAG T15P/3,5	–	CN 045-01
C-DC16	DCS 16	6.4	DCS 234-03	US 2007-T20P	–	LK T20P	CN 045-01
C-DC19	DCS 19	6.4	DCS 236-01	US 2007-T20P	–	LK T20P	CN 045-01

AT001a	CN.. 1207..	–	DCS 234-02
AT005a	CN.. 1607..	–	DCS 234-04
AT001b	CER CN.N 1204..	DCS 12C4	–
AT001c	CER CN.A 1204..	DCS 12C2	–
AT005b	CER CN.N 1606..	DCS 16C4	–
AT005c	CER CN.A 1606..	DCS 16C2	–

KHP-CBN(RL)

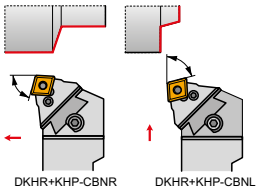
P M K

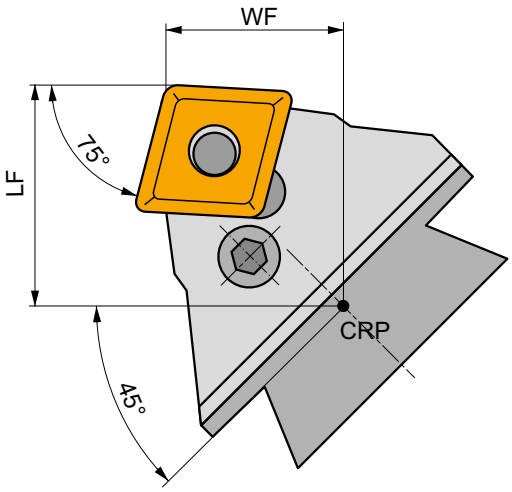
PRAMET

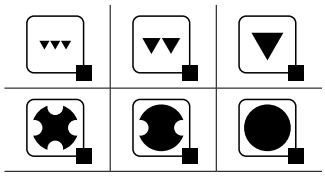
P

Cartucho para Torneado Pesado KHP, Fijación por Palanca y Ángulo de Posición 75° para Plaquita CN..

Cartucho para torneado pesado con fijación por palanca a derecha o izquierda, con ángulo de posición de 75º ,para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado longitudinal sin escuadra, refrentado, torneado cónico y achaflanado con plaquitas negativas CN ..25. Portaherramientas tratado para una vida útil más larga.







	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	KHP-CBNR 25	32	47	-6	-6	1.54	GI062	PC60
L	KHP-CBNL 25	32	47	-6	-6	1.56	GI062	PC60

GI062	CN.. 2509..

PC60	CNU 250620	PU 06	US 39	8.0 Nm	M 10x1	33	NT 08	MT 08	HXK 5

KHP-CLN(RL)

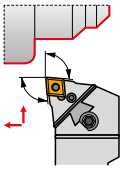
P M K

PRAMET

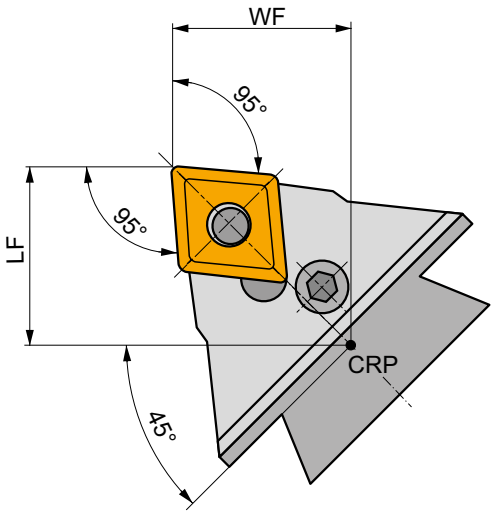
P

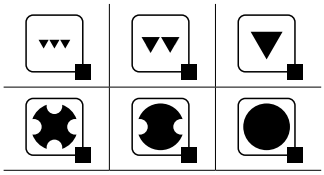
Cartucho para Torneado Pesado KHP, Fijación por Palanca y Ángulo de Posición 95° para Plaquita CN..

Cartucho para torneado pesado con fijación por palanca a derecha o izquierda, con ángulo de posición de 95° , para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado longitudinal con escuadra, refrentado, torneado cónico y achaflanado con plaquitas negativas CN ..19 o 25. Portaherramientas tratado para una vida útil más larga.



DKHR+KHP-CLNR





	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	KHP-CLNR 19	35	45	-6	-6	1.30	GI042	PC50
	KHP-CLNR 25	35	45	-6	-6	1.25	GI062	PC60
L	KHP-CLNL 19	35	45	-6	-6	1.30	GI042	PC50
	KHP-CLNL 25	35	45	-6	-6	1.25	GI062	PC60

GI042	CN.. 1906..
GI062	CN.. 2509..

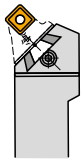
				Nm					
PC50	CNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PC60	CNU 250620	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5

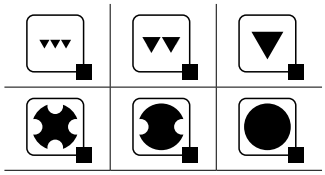
DKH(RL)

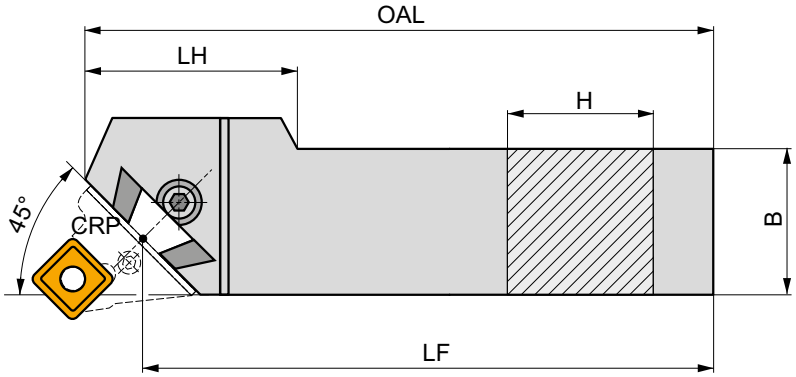
PRAMET

Portaherramientas de Exterior para Cartuchos de Torneado Pesado KHP/KHS

Portaherramientas modular a derecha o izquierda, para montaje con cola de milano de cartuchos KHP/KHS. Disponibles con mangos desde tamaño 40x50 hasta 60x80. Portaherramientas tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	LF (mm)	OAL (mm)	LH (mm)	kg		
R	**DKHR 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHR 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHR 6080 W-A	60	80	450	485	90	19.65	GI098	DKH10
L	**DKHL 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHL 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHL 6080 W-A	60	80	450	485	90	19.28	GI098	DKH10

GI098	KHP	KHS

DKH10	SR 14	HXK 10

DCLN(RL) INT

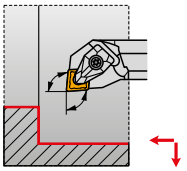
P M K N S H

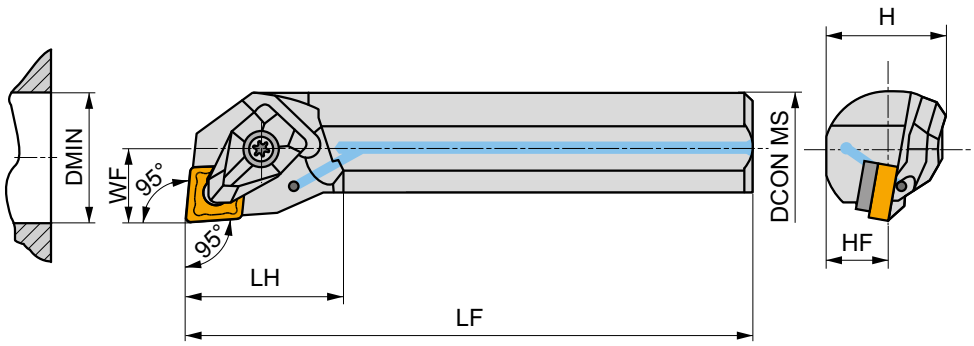
PRAMET

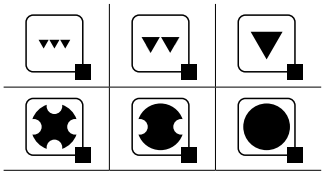
D

Portaherramientas de Interior con Fijación Doble, a 95°, para Plaquitas CN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 95° para plaquitas negativas CN.. 09 y 12. Agujero mínimo de Ø32 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø25 hasta Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	A25T-DCLNR 09	25	32	17	23	11.5	300	31	-11	-6	✓	1.13	GI133	DC09
	A25T-DCLNR 12	25	32	17	23	11.5	300	31	-12	-6	✓	1.12	GI043	DCI12
	A32T-DCLNR 12	32	40	22	30	15	300	30	-10	-6	✓	1.68	GI043	DCI12
	A40T-DCLNR 12	40	50	27	37	18.5	300	32	-15	-6	✓	2.56	GI043	DC12
L	A25T-DCLNL 09	25	32	17	23	11.5	300	31	-11	-6	✓	1.12	GI133	DC09
	A25T-DCLNL 12	25	32	17	23	11.5	300	31	-12	-6	✓	1.11	GI043	DCI12
	A32T-DCLNL 12	32	40	22	30	15	300	30	-10	-6	✓	1.68	GI043	DCI12
	A40T-DCLNL 12	40	50	27	37	18.5	300	32	-15	-6	✓	2.56	GI043	DC12

GI043	CN.. 1204..
GI133	CN.. 0903..

		Nm			
DC09	DCS 09	1.7	DCS 236-04	US 2004-T09P	FLAG T09P
DC12	DCS 12	3.9	DCS 234-01	US 2002-T15P	FLAG T15P/3,5
DCI12	DCS 12	3.9	DCS 236-03	US 2002-T15P	FLAG T15P/3,5

PCLN(RL) INT

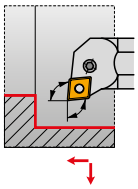
P M K N S H

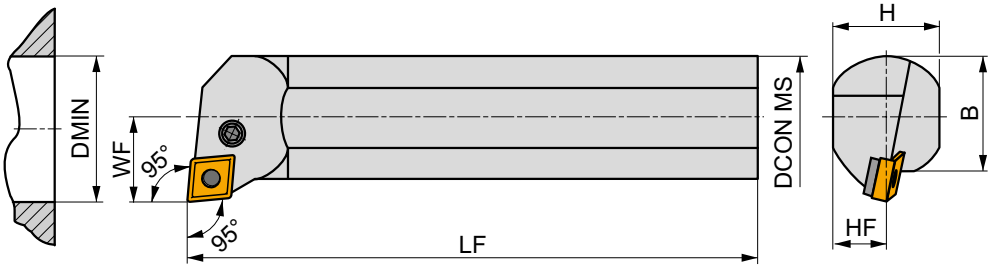
PRAMET

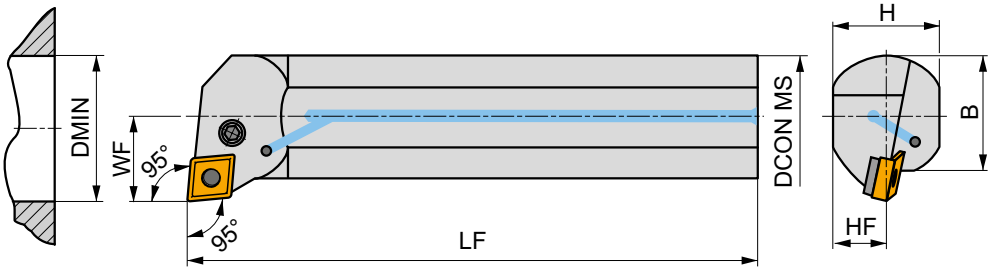
P

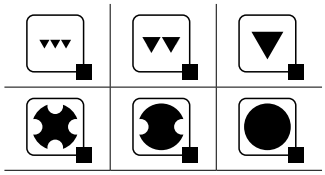
Portaherramientas de Interior con Fijación por Palanca, a 95°, para Plaquitas CN..

Portaherramientas de interior a derecha o izquierda con fijación por palanca, refrigeración interna y ángulo de posición de 95° para plaquitas negativas CN.. 09, 12, 16 y 19. Agujero mínimo de Ø20 mm. Para torneado longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø16 hasta Ø60. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A16M-PCLNR 09	16	20	11	15	15	150	-13.5	-5	✓	0.22	GI133	PC09
	A20Q-PCLNR 09	20	25	13	18	18	180	-13.5	-5	✓	0.36	GI133	PC09
	A25R-PCLNR 12	25	32	17	23	23	200	-13	-7	✓	0.65	GI043	PC25
	S25T-PCLNR 12	25	32	17	23	23	300	-13	-7	–	1.10	GI043	PC25
	A32S-PCLNR 12	32	40	22	30	30	250	-12	-6	✓	1.48	GI043	PC21
	A40T-PCLNR 12	40	50	27	38	38	300	-12	-6	✓	2.40	GI043	PC20
	A40T-PCLNR 16	40	50	27	38	38	300	-12	-6	✓	2.90	GI050	PC41
	A50U-PCLNR 16	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI050	PC40
	A60V-PCLNR 16	60	80	43	57	58.5	400	-12	-6	✓	8.70	GI050	PC40
	A50U-PCLNR 19	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI042	PC50
	A60V-PCLNR 19	60	80	43	57	58.5	400	-12	-6	✓	8.22	GI042	PC50
L	A16M-PCLNL 09	16	20	11	15	15	150	-13.5	-5	✓	0.20	GI133	PC09
	A20Q-PCLNL 09	20	25	13	18	18	180	-13.5	-5	✓	0.34	GI133	PC09
	A25R-PCLNL 12	25	32	17	23	23	200	-13	-7	✓	0.65	GI043	PC25
	S25T-PCLNL 12	25	32	17	23	23	300	-13	-7	–	1.15	GI043	PC25
	A32S-PCLNL 12	32	40	22	30	30	250	-12	-6	✓	1.48	GI043	PC21
	A40T-PCLNL 12	40	50	27	38	38	300	-12	-6	✓	2.58	GI043	PC20
	A40T-PCLNL 16	40	50	27	38	38	300	-12	-6	✓	2.58	GI050	PC41
	A50U-PCLNL 16	50	63	35	47	48.5	350	-12	-6	✓	4.95	GI050	PC40
	A60V-PCLNL 16	60	80	43	57	58.5	400	-12	-6	✓	8.70	GI050	PC40
	A50U-PCLNL 19	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI042	PC50
	A60V-PCLNL 19	60	80	43	57	58.5	400	-12	-6	✓	8.40	GI042	PC50

GI042	CN.. 1906..
GI043	CN.. 1204..

GI050	CN.. 1606..
GI133	CN.. 0903..

PC09	–	PU 8451	PS 8290	2.0	M 5	12	–	–	HXK 2
PC20	CNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PC21	CNU 120312	PU 02	US 41	6.0	M 8x1	17	NT 05	MT 05	HXK 4
PC25	–	PU 32	US 46	5.0	M 6x0.75	13.2	–	–	HXK 3
PC40	CNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PC41	CNU 150312	PU 04	US 40	6.0	M 8x1	20.5	NT 07	MT 07	HXK 4
PC50	CNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5

NEW

C.-DCLN(RL) INT

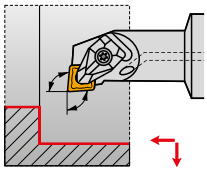
P M K N S H

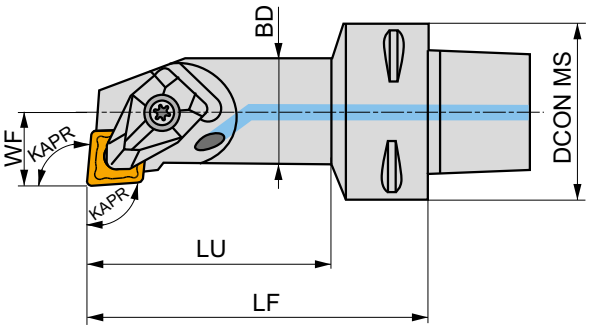
PRAMET

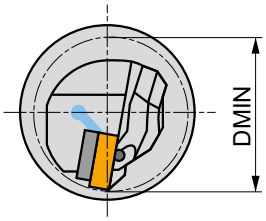
D

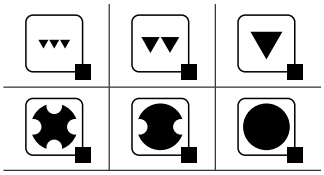
Herramienta de Interior PSC de Cambio Rápido con Fijación Doble, a 95°, para Plaquitas CN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 95° para plaquitas negativas CN.. 09 hasta 16. Para una amplia gama de operaciones de torneado interior. Agujero mínimo de Ø25 mm. Mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaño C4 hasta C6 con opciones de longitud. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-DCLNR-13080-09	40	25	13	80	57	20	95	-14	-6	✓	0.43	GI133	DC09
	C4-DCLNR-17090-12	40	32	17	90	68	25	95	-12	-6	✓	0.53	GI043	DCI12
	C5-DCLNR-17090-12	50	32	17	90	66	25	95	-12	-6	✓	0.72	GI043	DCI12
	C6-DCLNR-17100-12	63	32	17	100	72	25	95	-12	-6	✓	1.15	GI043	DCI12
	C6-DCLNR-27140-16	63	50	27	140	114	40	95	-16	-6	✓	1.81	GI050	DC16
L	C4-DCLNL-17090-12	40	32	17	90	68	25	95	-12	-6	✓	0.53	GI043	DCI12
	C5-DCLNL-17090-12	50	32	17	90	66	25	95	-12	-6	✓	0.72	GI043	DCI12

GI043	CN.. 1204..
GI050	CN.. 1606..
GI133	CN.. 0903..

		Nm				
DC09	DCS 09	1.7	DCS 236-04	US 2004-T09P	FLAG T09P	–
DC16	DCS 16	6.4	DCS 234-03	US 2007-T20P	–	LK T20P
DCI12	DCS 12	3.9	DCS 236-03	US 2002-T15P	FLAG T15P/3,5	–

DN

PLAQUITAS DE METAL DURO

DNMA

260

DNMG

260

DNMM

270

PLAQUITAS CER Y CBN

DNGA CER

271

DNGN CER

271

DNGA CBN

272

ENCONTRAR EL TAMANO CORRECTO (ejemplo)

Plaquita	Portaherramientas
DNMG 150404E-SF	DDJNL 2020 K 15

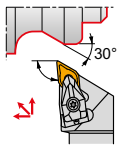
TORNEADO ISO - EXTERIOR

DDJN(RL) EXT

93°

DN..

11
15



20×20
32×32

273

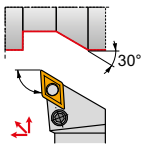
260 – 272

PDJN(RL) EXT

93°

DN..

11
15



20×20
32×32

274

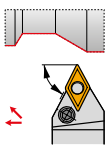
260 – 272

PDNN(RL) EXT

62°30´

DN..

11
15



20×20
32×25

275

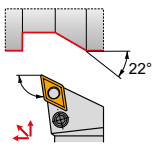
260 – 272

PDXN(RL) EXT

98°

DN..

15



20×20
32×25

276

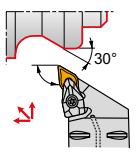
260 – 272

C.-DDJN(RL) EXT NEW

93°

DN..

11
15



C4
C6

277

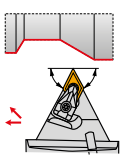
260 – 272

C.-DDNNN EXT NEW

62,5°

DN..

15



C5
C6

278

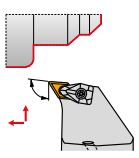
260 – 272

C.-DDUN(RL) EXT NEW

93°

DN..

15



C5
C6

279

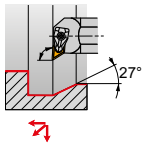
260 – 272

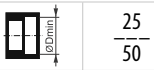
DN

TORNEADO ISO - INTERIOR

DDUN(RL) INT

93°





280

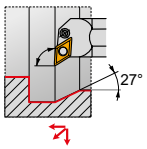
DN..

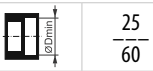
11
15

260 – 272

PDUN(RL) INT

93°





281

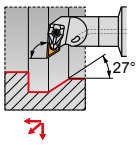
DN..

11
15

260 – 272

C.-DDUN(RL) INT NEW

93°



282

DN..

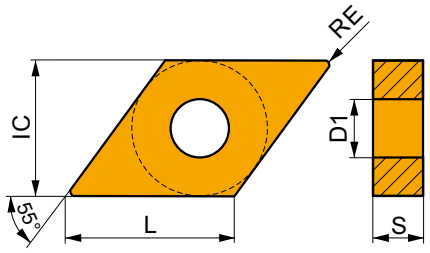
11

260 – 272

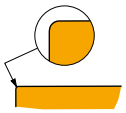
DNMA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1504	12.700	5.16	15.50	4.76
1506	12.700	5.16	15.50	6.35



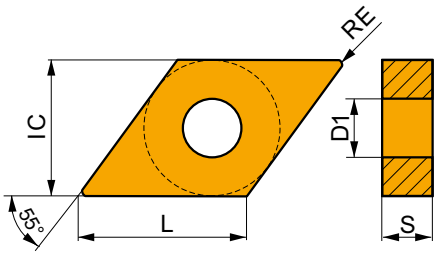
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
DNMA 150404	**T5305**	0.4	–	–	–	–	–	–	205	0.10	1.7	–	–	–	–	–	–	40	0.15	1.0
DNMA 150408	**T5305**	0.8	–	–	–	–	–	–	190	0.20	1.7	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	165	0.20	1.7	–	–	–	–	–	–	35	0.15	1.0
DNMA 150604	**T5305**	0.4	–	–	–	–	–	–	205	0.10	1.7	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	180	0.10	1.7	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.4	–	–	–	–	–	–	85	0.10	1.7	–	–	–	–	–	–	20	0.15	1.0
DNMA 150608	**T5305**	0.8	–	–	–	–	–	–	190	0.20	1.7	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	165	0.20	1.7	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	85	0.20	1.7	–	–	–	–	–	–	20	0.15	1.0
DNMA 150612	**T5305**	1.2	–	–	–	–	–	–	200	0.20	1.7	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	175	0.20	1.7	–	–	–	–	–	–	35	0.15	1.0

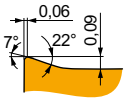
DNMG

PRAMET

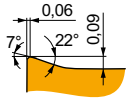
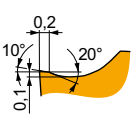
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1104	9.525	3.81	11.60	4.76
1504	12.700	5.16	15.50	4.76
1506	12.700	5.16	15.50	6.35



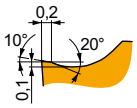
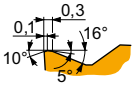
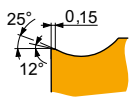
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																	
DNMG 110402E-FF	**T8315**	0.2	175	0.10	0.8	105	0.09	0.8	165	0.10	0.8	–	–	–	–	–	–	–	–	–
DNMG 110404E-FF	**T8315**	0.4	175	0.12	0.8	105	0.11	0.8	165	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8330	0.4	165	0.12	0.8	95	0.11	0.8	155	0.12	0.8	–	–	–	–	–	–	–	–	–
	T8430	0.4	205	0.12	0.8	110	0.11	0.8	170	0.12	0.8	–	–	–	–	–	–	–	–	–
DNMG 110408E-FF	**T8315**	0.8	200	0.15	0.8	120	0.14	0.8	190	0.15	0.8	–	–	–	–	–	–	–	–	–

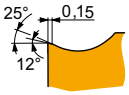
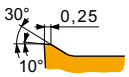
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																				
DNMG 150404E-FF	**T8315**	0.4	◪ 175	0.12	1.0	■ 105	0.11	1.0	◪ 165	0.12	1.0	–	–	–	–	–	–	–	–	–
DNMG 150604E-FF	**T7325**	0.4	◪ 190	0.12	1.0	■ 145	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	◪ 175	0.12	1.0	■ 105	0.11	1.0	◪ 165	0.12	1.0	–	–	–	–	–	–	–	–	–
DNMG 150608E-FF	**T7325**	0.8	◪ 210	0.15	1.0	■ 160	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	◪ 195	0.15	1.0	■ 115	0.14	1.0	◪ 185	0.15	1.0	–	–	–	–	–	–	–	–	–
																				
Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
DNMG 110404E-FM	**T7325**	0.4	◪ 165	0.20	0.8	◪ 125	0.18	0.8	–	–	–	–	–	–	◪ 50	0.20	0.6	–	–	–
	T8315	0.4	◪ 150	0.20	0.8	◪ 90	0.18	0.8	■ 140	0.20	0.8	–	–	–	◪ 35	0.14	0.6	–	–	–
	T8330	0.4	■ 145	0.20	0.8	◪ 85	0.18	0.8	■ 135	0.20	0.8	–	–	–	◪ 35	0.14	0.6	–	–	–
	T8430	0.4	■ 165	0.20	0.8	◪ 90	0.18	0.8	◪ 135	0.20	0.8	–	–	–	◪ 35	0.14	0.6	–	–	–
	T9310	0.4	■ 245	0.20	0.8	–	–	–	◪ 230	0.20	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 225	0.20	0.8	–	–	–	◪ 210	0.20	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 200	0.20	0.8	◪ 120	0.18	0.8	◪ 190	0.20	0.8	–	–	–	◪ 45	0.20	0.6	–	–	–
DNMG 110408E-FM	**T7325**	0.8	◪ 200	0.20	0.8	◪ 155	0.18	0.8	–	–	–	–	–	–	◪ 65	0.16	0.6	–	–	–
	T8315	0.8	◪ 180	0.20	0.8	◪ 105	0.18	0.8	■ 170	0.20	0.8	–	–	–	◪ 45	0.14	0.6	–	–	–
	T8330	0.8	■ 175	0.20	0.8	◪ 105	0.18	0.8	■ 165	0.20	0.8	–	–	–	◪ 40	0.14	0.6	–	–	–
	T8430	0.8	■ 195	0.20	0.8	◪ 105	0.18	0.8	◪ 160	0.20	0.8	–	–	–	◪ 40	0.14	0.6	–	–	–
	T9310	0.8	■ 295	0.20	0.8	–	–	–	◪ 280	0.20	0.8	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 270	0.20	0.8	–	–	–	◪ 255	0.20	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 240	0.20	0.8	◪ 140	0.18	0.8	◪ 225	0.20	0.8	–	–	–	◪ 50	0.16	0.6	–	–	–
DNMG 150404E-FM	**T7325**	0.4	◪ 150	0.20	1.7	◪ 115	0.18	1.7	–	–	–	–	–	–	◪ 45	0.20	1.4	–	–	–
	T8330	0.4	■ 135	0.20	1.7	◪ 80	0.18	1.7	■ 125	0.20	1.7	–	–	–	◪ 30	0.14	1.4	–	–	–
	T8430	0.4	■ 150	0.20	1.7	◪ 80	0.18	1.7	◪ 125	0.20	1.7	–	–	–	◪ 30	0.14	1.4	–	–	–
	T9315	0.4	■ 210	0.20	1.7	–	–	–	◪ 195	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 190	0.20	1.7	◪ 110	0.18	1.7	◪ 180	0.20	1.7	–	–	–	◪ 40	0.20	1.4	–	–	–
DNMG 150408E-FM	**T7325**	0.8	◪ 180	0.20	1.7	◪ 140	0.18	1.7	–	–	–	–	–	–	◪ 55	0.16	1.4	–	–	–
	T8330	0.8	■ 160	0.20	1.7	◪ 95	0.18	1.7	■ 150	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T8430	0.8	■ 185	0.20	1.7	◪ 100	0.18	1.7	◪ 150	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T9315	0.8	■ 250	0.20	1.7	–	–	–	◪ 235	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 225	0.20	1.7	◪ 135	0.18	1.7	◪ 210	0.20	1.7	–	–	–	◪ 50	0.16	1.4	–	–	–
DNMG 150604E-FM	**T7325**	0.4	◪ 150	0.20	1.7	◪ 115	0.18	1.7	–	–	–	–	–	–	◪ 45	0.20	1.4	–	–	–
	T7335	0.4	◪ 150	0.20	1.7	◪ 115	0.18	1.7	–	–	–	–	–	–	◪ 45	0.20	1.4	–	–	–
	T8315	0.4	◪ 140	0.20	1.7	◪ 80	0.18	1.7	■ 130	0.20	1.7	–	–	–	◪ 35	0.14	1.4	–	–	–
	T8330	0.4	■ 135	0.20	1.7	◪ 80	0.18	1.7	■ 125	0.20	1.7	–	–	–	◪ 30	0.14	1.4	–	–	–
	T8430	0.4	■ 150	0.20	1.7	◪ 80	0.18	1.7	◪ 125	0.20	1.7	–	–	–	◪ 30	0.14	1.4	–	–	–
	T9310	0.4	■ 230	0.20	1.7	–	–	–	◪ 215	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 210	0.20	1.7	–	–	–	◪ 195	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 190	0.20	1.7	◪ 110	0.18	1.7	◪ 180	0.20	1.7	–	–	–	◪ 40	0.20	1.4	–	–	–
	TT310	0.4	■ 210	0.20	1.7	◪ 125	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150608E-FM	**T7325**	0.8	◪ 180	0.20	1.7	◪ 140	0.18	1.7	–	–	–	–	–	–	◪ 55	0.16	1.4	–	–	–
	T7335	0.8	◪ 175	0.20	1.7	◪ 135	0.18	1.7	–	–	–	–	–	–	◪ 55	0.16	1.4	–	–	–
	T8315	0.8	◪ 170	0.20	1.7	◪ 100	0.18	1.7	■ 160	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T8330	0.8	■ 160	0.20	1.7	◪ 95	0.18	1.7	■ 150	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T8430	0.8	■ 185	0.20	1.7	◪ 100	0.18	1.7	◪ 150	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T9310	0.8	■ 275	0.20	1.7	–	–	–	◪ 260	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 250	0.20	1.7	–	–	–	◪ 235	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 225	0.20	1.7	◪ 135	0.18	1.7	◪ 210	0.20	1.7	–	–	–	◪ 50	0.16	1.4	–	–	–
	TT310	0.8	■ 250	0.20	1.7	◪ 150	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150612E-FM	**T7325**	1.2	◪ 180	0.25	1.7	◪ 140	0.23	1.7	–	–	–	–	–	–	◪ 55	0.18	1.4	–	–	–
	T8430	1.2	■ 175	0.25	1.7	◪ 95	0.23	1.7	◪ 140	0.25	1.7	–	–	–	◪ 35	0.18	1.4	–	–	–
	T9310	1.2	■ 260	0.25	1.7	–	–	–	◪ 245	0.25	1.7	–	–	–	–	–	–	–	–	–
	T9315	1.2	■ 240	0.25	1.7	–	–	–	◪ 225	0.25	1.7	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 215	0.25	1.7	◪ 125	0.23	1.7	◪ 200	0.25	1.7	–	–	–	◪ 45	0.18	1.4	–	–	–

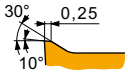
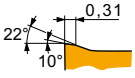
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
DNMG 150616E-FM	**T9315**	1.6	■ 235	0.30	1.7	–	–	–	◪ 220	0.30	1.7	–	–	–	–	–	–	–	–	–
	T9325	1.6	■ 210	0.30	1.7	◪ 125	0.27	1.7	◪ 195	0.30	1.7	–	–	–	◪ 45	0.21	1.4	–	–	–
																				
Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																				
DNMG 110404E-M	**T5315**	0.4	◪ 210	0.20	1.2	–	–	–	■ 195	0.20	1.2	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.4	■ 195	0.20	1.2	–	–	–	◪ 185	0.20	1.2	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.4	■ 175	0.20	1.2	–	–	–	◪ 165	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 150	0.20	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 110408E-M	**T5315**	0.8	◪ 215	0.30	1.2	–	–	–	■ 200	0.30	1.2	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.8	■ 200	0.30	1.2	–	–	–	◪ 190	0.30	1.2	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.8	■ 175	0.30	1.2	–	–	–	◪ 165	0.30	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 155	0.30	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 110412E-M	**T9315**	1.2	■ 185	0.40	1.2	–	–	–	◪ 175	0.40	1.2	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 165	0.40	1.2	–	–	–	◪ 155	0.40	1.2	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 140	0.40	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150404E-M	**T5315**	0.4	◪ 200	0.20	1.9	–	–	–	■ 190	0.20	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.4	■ 190	0.20	1.9	–	–	–	◪ 180	0.20	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.4	■ 170	0.20	1.9	–	–	–	◪ 160	0.20	1.9	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 145	0.20	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150408E-M	**T5315**	0.8	◪ 205	0.30	1.9	–	–	–	■ 190	0.30	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.8	■ 190	0.30	1.9	–	–	–	◪ 180	0.30	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 170	0.30	1.9	–	–	–	◪ 160	0.30	1.9	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 145	0.30	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150412E-M	**T5315**	1.2	◪ 200	0.40	1.9	–	–	–	■ 190	0.40	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	1.2	■ 175	0.40	1.9	–	–	–	◪ 165	0.40	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 160	0.40	1.9	–	–	–	◪ 150	0.40	1.9	–	–	–	–	–	–	–	–	–
DNMG 150604E-M	**T5315**	0.4	◪ 200	0.20	1.9	–	–	–	■ 190	0.20	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.4	■ 190	0.20	1.9	–	–	–	◪ 180	0.20	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.4	■ 170	0.20	1.9	–	–	–	◪ 160	0.20	1.9	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 145	0.20	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150608E-M	**T5315**	0.8	◪ 205	0.30	1.9	–	–	–	■ 190	0.30	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9310	0.8	■ 205	0.30	1.9	–	–	–	◪ 190	0.30	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.8	■ 190	0.30	1.9	–	–	–	◪ 180	0.30	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 170	0.30	1.9	–	–	–	◪ 160	0.30	1.9	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 145	0.30	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150612E-M	**T5315**	1.2	◪ 200	0.40	1.9	–	–	–	■ 190	0.40	1.9	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9310	1.2	■ 190	0.40	1.9	–	–	–	◪ 180	0.40	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9315	1.2	■ 175	0.40	1.9	–	–	–	◪ 165	0.40	1.9	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 160	0.40	1.9	–	–	–	◪ 150	0.40	1.9	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 140	0.40	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																				
DNMG 110404E-NF	**T6310**	0.4	■ 155	0.15	0.8	■ 110	0.14	0.8	◪ 125	0.15	0.8	◪ 465	0.18	0.8	◪ 45	0.12	0.6	–	–	–
	T7325	0.4	◪ 170	0.18	0.8	■ 130	0.16	0.8	–	–	–	–	–	–	◪ 55	0.16	0.6	–	–	–
	T7335	0.4	◪ 165	0.18	0.8	■ 125	0.16	0.8	–	–	–	–	–	–	◪ 50	0.16	0.6	–	–	–
	T8330	0.4	■ 160	0.15	0.8	■ 95	0.14	0.8	◪ 150	0.15	0.8	◪ 480	0.18	0.8	◪ 40	0.12	0.6	–	–	–
	T8430	0.4	■ 190	0.15	0.8	■ 105	0.14	0.8	◪ 155	0.15	0.8	◪ 525	0.18	0.8	◪ 40	0.12	0.6	–	–	–
	T9315	0.4	■ 255	0.15	0.8	–	–	–	◪ 240	0.15	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 210	0.18	0.8	■ 125	0.16	0.8	◪ 195	0.18	0.8	–	–	–	◪ 45	0.16	0.6	–	–	–

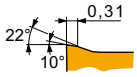
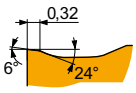
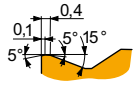
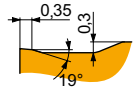
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
			Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																	
DNMG 110408E-NF	**T6310**	0.8	■	175	0.17	1.0	■	125	0.15	1.0	◪	140	0.17	1.0	◪	525	0.20	1.0	◪	50	0.14	0.8	–	–	–
	T7325	0.8	◪	200	0.18	1.0	■	155	0.16	1.0		–	–	–		–	–	–	◪	65	0.16	0.8	–	–	–
	T7335	0.8	◪	195	0.18	1.0	■	150	0.16	1.0		–	–	–		–	–	–	◪	60	0.16	0.8	–	–	–
	T8330	0.8	■	175	0.17	1.0	■	105	0.15	1.0	◪	165	0.17	1.0	◪	525	0.20	1.0	◪	40	0.14	0.8	–	–	–
	T8430	0.8	■	205	0.17	1.0	■	110	0.15	1.0	◪	170	0.17	1.0	◪	570	0.20	1.0	◪	45	0.14	0.8	–	–	–
	T9315	0.8	■	280	0.17	1.0		–	–	–	◪	265	0.17	1.0		–	–	–		–	–	–	–	–	–
	T9325	0.8	■	250	0.18	1.0	■	150	0.16	1.0	◪	235	0.18	1.0		–	–	–	◪	55	0.16	0.8	–	–	–
DNMG 150404E-NF	**T6310**	0.4	■	140	0.17	1.7	■	100	0.15	1.7	◪	110	0.17	1.7	◪	420	0.20	1.7	◪	40	0.15	1.4	–	–	–
	T7325	0.4	◪	160	0.18	1.7	■	120	0.16	1.7		–	–	–		–	–	–	◪	50	0.16	1.4	–	–	–
	T7335	0.4	◪	155	0.18	1.7	■	120	0.16	1.7		–	–	–		–	–	–	◪	50	0.16	1.4	–	–	–
	T8330	0.4	■	140	0.17	1.7	■	80	0.15	1.7	◪	130	0.17	1.7	◪	420	0.20	1.7	◪	35	0.15	1.4	–	–	–
	T8430	0.4	■	165	0.17	1.7	■	90	0.15	1.7	◪	135	0.17	1.7	◪	450	0.20	1.7	◪	35	0.15	1.4	–	–	–
	T9315	0.4	■	235	0.15	1.7		–	–	–	◪	220	0.15	1.7		–	–	–		–	–	–	–	–	–
	T9325	0.4	■	200	0.18	1.7	■	120	0.16	1.7	◪	190	0.18	1.7		–	–	–	◪	45	0.16	1.4	–	–	–
DNMG 150408E-NF	**T6310**	0.8	■	165	0.18	1.7	■	115	0.16	1.7	◪	130	0.18	1.7	◪	495	0.22	1.7	◪	45	0.16	1.4	–	–	–
	T7325	0.8	◪	190	0.18	1.7	■	145	0.16	1.7		–	–	–		–	–	–	◪	60	0.16	1.4	–	–	–
	T7335	0.8	◪	185	0.18	1.7	■	140	0.16	1.7		–	–	–		–	–	–	◪	60	0.16	1.4	–	–	–
	T8330	0.8	■	165	0.18	1.7	■	95	0.16	1.7	◪	155	0.18	1.7	◪	495	0.22	1.7	◪	40	0.16	1.4	–	–	–
	T8430	0.8	■	190	0.18	1.7	■	105	0.16	1.7	◪	155	0.18	1.7	◪	525	0.22	1.7	◪	40	0.16	1.4	–	–	–
	T9315	0.8	■	270	0.17	1.7		–	–	–	◪	255	0.17	1.7		–	–	–		–	–	–	–	–	–
	T9325	0.8	■	235	0.18	1.7	■	140	0.16	1.7	◪	220	0.18	1.7		–	–	–	◪	50	0.16	1.4	–	–	–
DNMG 150604E-NF	**HF7**	0.4		–	–	–	◪	80	0.14	1.9	◪	130	0.15	1.9	◪	420	0.18	1.9		–	–	–	–	–	–
	T6310	0.4	■	140	0.17	1.9	■	100	0.15	1.9	◪	110	0.17	1.9	◪	420	0.20	1.9	◪	40	0.15	1.5	–	–	–
	T7325	0.4	◪	155	0.18	1.9	■	120	0.16	1.9		–	–	–		–	–	–	◪	50	0.16	1.5	–	–	–
	T7335	0.4	◪	150	0.18	1.9	■	115	0.16	1.9		–	–	–		–	–	–	◪	45	0.16	1.5	–	–	–
	T8315	0.4	◪	145	0.17	1.9	■	85	0.15	1.9	◪	135	0.17	1.9	◪	435	0.20	1.9	◪	35	0.15	1.5	–	–	–
	T8330	0.4	■	140	0.17	1.9	■	80	0.15	1.9	◪	130	0.17	1.9	◪	420	0.20	1.9	◪	35	0.15	1.5	–	–	–
	T8430	0.4	■	165	0.17	1.9	■	90	0.15	1.9	◪	135	0.17	1.9	◪	450	0.20	1.9	◪	35	0.15	1.5	–	–	–
	T9315	0.4	■	235	0.15	1.9		–	–	–	◪	220	0.15	1.9		–	–	–		–	–	–	–	–	–
	T9325	0.4	■	195	0.18	1.9	■	115	0.16	1.9	◪	185	0.18	1.9		–	–	–	◪	40	0.16	1.5	–	–	–
DNMG 150608E-NF	**HF7**	0.8		–	–	–	◪	90	0.15	1.9	◪	145	0.17	1.9	◪	465	0.20	1.9		–	–	–	–	–	–
	T6310	0.8	■	165	0.18	1.9	■	115	0.16	1.9	◪	130	0.18	1.9	◪	495	0.22	1.9	◪	45	0.16	1.5	–	–	–
	T7325	0.8	◪	185	0.18	1.9	■	140	0.16	1.9		–	–	–		–	–	–	◪	60	0.16	1.5	–	–	–
	T7335	0.8	◪	180	0.18	1.9	■	140	0.16	1.9		–	–	–		–	–	–	◪	55	0.16	1.5	–	–	–
	T8315	0.8	◪	175	0.18	1.9	■	105	0.16	1.9	◪	165	0.18	1.9	◪	525	0.22	1.9	◪	40	0.16	1.5	–	–	–
	T8330	0.8	■	165	0.18	1.9	■	95	0.16	1.9	◪	155	0.18	1.9	◪	495	0.22	1.9	◪	40	0.16	1.5	–	–	–
	T8430	0.8	■	190	0.18	1.9	■	105	0.16	1.9	◪	155	0.18	1.9	◪	525	0.22	1.9	◪	40	0.16	1.5	–	–	–
	T9315	0.8	■	265	0.17	1.9		–	–	–	◪	250	0.17	1.9		–	–	–		–	–	–	–	–	–
	T9325	0.8	■	230	0.18	1.9	■	135	0.16	1.9	◪	215	0.18	1.9		–	–	–	◪	50	0.16	1.5	–	–	–
DNMG 150612E-NF	**T6310**	1.2	■	150	0.30	1.5	■	105	0.27	1.5	◪	120	0.30	1.5	◪	450	0.36	1.5	◪	45	0.21	1.2	–	–	–
	T8430	1.2	■	165	0.30	1.5	■	90	0.27	1.5	◪	135	0.30	1.5	◪	450	0.36	1.5	◪	35	0.21	1.2	–	–	–
	T9325	1.2	■	200	0.30	1.5	■	120	0.27	1.5	◪	190	0.30	1.5		–	–	–	◪	45	0.21	1.2	–	–	–
			Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																	
DNMG 110404E-NM	**T7325**	0.4	◪	175	0.20	0.8	■	135	0.18	0.8		–	–	–		–	–	–	■	55	0.20	0.6	–	–	–
	T7335	0.4	◪	165	0.20	0.8	■	125	0.18	0.8		–	–	–		–	–	–	■	50	0.20	0.6	–	–	–
	T8315	0.4	◪	160	0.20	0.8	■	95	0.18	0.8		–	–	–	◪	480	0.24	0.8	◪	40	0.20	0.6	–	–	–
	T8330	0.4	■	150	0.20	0.8	■	90	0.18	0.8		–	–	–	◪	450	0.24	0.8	◪	35	0.20	0.6	–	–	–
	T8430	0.4	■	175	0.20	0.8	■	95	0.18	0.8		–	–	–	◪	480	0.24	0.8	◪	35	0.20	0.6	–	–	–
	T9325	0.4	■	210	0.20	0.8	■	125	0.18	0.8		–	–	–		–	–	–	◪	45	0.20	0.6	–	–	–

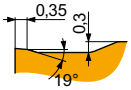
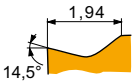
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																	
DNMG 110408E-NM	**T7325**	0.8	190	0.25	0.8	145	0.23	0.8	–	–	–	–	–	–	60	0.20	0.6	–	–	–
	T7335	0.8	185	0.25	0.8	140	0.23	0.8	–	–	–	–	–	–	60	0.20	0.6	–	–	–
	T8315	0.8	180	0.25	0.8	105	0.23	0.8	–	–	–	540	0.30	0.8	45	0.20	0.6	–	–	–
	T8330	0.8	170	0.25	0.8	100	0.23	0.8	–	–	–	510	0.30	0.8	40	0.20	0.6	–	–	–
	T8430	0.8	190	0.25	0.8	105	0.23	0.8	–	–	–	525	0.30	0.8	40	0.20	0.6	–	–	–
	T9325	0.8	230	0.25	0.8	135	0.23	0.8	–	–	–	–	–	–	50	0.20	0.6	–	–	–
DNMG 150408E-NM	**T7335**	0.8	170	0.25	1.9	130	0.23	1.9	–	–	–	–	–	–	55	0.20	1.5	–	–	–
	T8330	0.8	155	0.25	1.9	90	0.23	1.9	–	–	–	465	0.30	1.9	35	0.20	1.5	–	–	–
	T8430	0.8	175	0.25	1.9	95	0.23	1.9	–	–	–	480	0.30	1.9	35	0.20	1.5	–	–	–
	T9325	0.8	210	0.25	1.9	125	0.23	1.9	–	–	–	–	–	–	45	0.20	1.5	–	–	–
DNMG 150604E-NM	**T7325**	0.4	160	0.20	1.9	120	0.18	1.9	–	–	–	–	–	–	50	0.20	1.5	–	–	–
	T7335	0.4	150	0.20	1.9	115	0.18	1.9	–	–	–	–	–	–	45	0.20	1.5	–	–	–
	T8315	0.4	150	0.20	1.9	90	0.18	1.9	–	–	–	450	0.24	1.9	35	0.20	1.5	–	–	–
	T8330	0.4	135	0.20	1.9	80	0.18	1.9	–	–	–	405	0.24	1.9	30	0.20	1.5	–	–	–
	T8430	0.4	155	0.20	1.9	85	0.18	1.9	–	–	–	435	0.24	1.9	30	0.20	1.5	–	–	–
	T9315	0.4	220	0.20	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	195	0.20	1.9	115	0.18	1.9	–	–	–	–	–	–	40	0.20	1.5	–	–	–
DNMG 150608E-NM	**T7325**	0.8	175	0.25	1.9	135	0.23	1.9	–	–	–	–	–	–	55	0.20	1.5	–	–	–
	T7335	0.8	170	0.25	1.9	130	0.23	1.9	–	–	–	–	–	–	55	0.20	1.5	–	–	–
	T8315	0.8	165	0.25	1.9	95	0.23	1.9	–	–	–	495	0.30	1.9	40	0.20	1.5	–	–	–
	T8330	0.8	155	0.25	1.9	90	0.23	1.9	–	–	–	465	0.30	1.9	35	0.20	1.5	–	–	–
	T8430	0.8	175	0.25	1.9	95	0.23	1.9	–	–	–	480	0.30	1.9	35	0.20	1.5	–	–	–
	T9315	0.8	235	0.25	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	210	0.25	1.9	125	0.23	1.9	–	–	–	–	–	–	45	0.20	1.5	–	–	–
DNMG 150612E-NM	**T7325**	1.2	175	0.30	1.9	135	0.27	1.9	–	–	–	–	–	–	55	0.24	1.5	–	–	–
	T7335	1.2	170	0.30	1.9	130	0.27	1.9	–	–	–	–	–	–	55	0.24	1.5	–	–	–
	T8315	1.2	165	0.30	1.9	95	0.27	1.9	–	–	–	495	0.36	1.9	40	0.24	1.5	–	–	–
	T9325	1.2	205	0.30	1.9	120	0.27	1.9	–	–	–	–	–	–	45	0.24	1.5	–	–	–
																				
			Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																	
DNMG 110404E-NMR	**T7325**	0.4	150	0.20	0.8	115	0.18	0.8	–	–	–	–	–	–	45	0.18	0.6	–	–	–
	T9315	0.4	205	0.20	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	185	0.20	0.8	110	0.18	0.8	–	–	–	–	–	–	40	0.18	0.6	–	–	–
DNMG 110408E-NMR	**T7325**	0.8	155	0.30	0.8	120	0.27	0.8	–	–	–	–	–	–	50	0.24	0.6	–	–	–
	T9315	0.8	205	0.30	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.30	0.8	110	0.27	0.8	–	–	–	–	–	–	40	0.24	0.6	–	–	–
DNMG 110412E-NMR	**T7325**	1.2	155	0.30	1.6	120	0.27	1.6	–	–	–	–	–	–	50	0.24	1.3	–	–	–
	T9315	1.2	200	0.30	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.30	1.6	105	0.27	1.6	–	–	–	–	–	–	40	0.24	1.3	–	–	–
DNMG 150404E-NMR	**T7325**	0.4	140	0.20	1.9	105	0.18	1.9	–	–	–	–	–	–	45	0.18	1.5	–	–	–
	T7335	0.4	130	0.20	1.9	100	0.18	1.9	–	–	–	–	–	–	40	0.18	1.5	–	–	–
	T9325	0.4	170	0.20	1.9	100	0.18	1.9	–	–	–	–	–	–	35	0.18	1.5	–	–	–
DNMG 150408E-NMR	**T7325**	0.8	145	0.30	1.9	110	0.27	1.9	–	–	–	–	–	–	45	0.24	1.5	–	–	–
	T7335	0.8	140	0.30	1.9	105	0.27	1.9	–	–	–	–	–	–	45	0.24	1.5	–	–	–
	T8330	0.8	125	0.30	1.9	75	0.27	1.9	–	–	–	–	–	–	30	0.24	1.5	–	–	–
	T8430	0.8	135	0.30	1.9	75	0.27	1.9	–	–	–	–	–	–	25	0.24	1.5	–	–	–
	T9315	0.8	190	0.30	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	170	0.30	1.9	100	0.27	1.9	–	–	–	–	–	–	35	0.24	1.5	–	–	–
DNMG 150604E-NMR	**T7325**	0.4	140	0.20	1.9	105	0.18	1.9	–	–	–	–	–	–	45	0.18	1.5	–	–	–
	T7335	0.4	130	0.20	1.9	100	0.18	1.9	–	–	–	–	–	–	40	0.18	1.5	–	–	–
	T8330	0.4	120	0.20	1.9	70	0.18	1.9	–	–	–	–	–	–	30	0.18	1.5	–	–	–
	T8430	0.4	135	0.20	1.9	75	0.18	1.9	–	–	–	–	–	–	25	0.18	1.5	–	–	–
	T9315	0.4	190	0.20	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	170	0.20	1.9	100	0.18	1.9	–	–	–	–	–	–	35	0.18	1.5	–	–	–

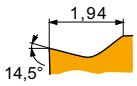
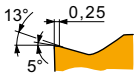
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																	
DNMG 150608E-NMR	**T6310**	0.8	125	0.30	1.9	90	0.27	1.9	–	–	–	–	–	–	35	0.24	1.5	–	–	–
	T7325	0.8	145	0.30	1.9	110	0.27	1.9	–	–	–	–	–	–	45	0.24	1.5	–	–	–
	T7335	0.8	140	0.30	1.9	105	0.27	1.9	–	–	–	–	–	–	45	0.24	1.5	–	–	–
	T8330	0.8	125	0.30	1.9	75	0.27	1.9	–	–	–	–	–	–	30	0.24	1.5	–	–	–
	T8430	0.8	135	0.30	1.9	75	0.27	1.9	–	–	–	–	–	–	25	0.24	1.5	–	–	–
	T9315	0.8	190	0.30	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	170	0.30	1.9	100	0.27	1.9	–	–	–	–	–	–	35	0.24	1.5	–	–	–
DNMG 150612E-NMR	**T7325**	1.2	155	0.30	1.9	120	0.27	1.9	–	–	–	–	–	–	50	0.24	1.5	–	–	–
	T7335	1.2	145	0.30	1.9	110	0.27	1.9	–	–	–	–	–	–	45	0.24	1.5	–	–	–
	T8330	1.2	135	0.30	1.9	80	0.27	1.9	–	–	–	–	–	–	30	0.24	1.5	–	–	–
	T8430	1.2	145	0.30	1.9	80	0.27	1.9	–	–	–	–	–	–	30	0.24	1.5	–	–	–
	T9315	1.2	200	0.30	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.30	1.9	105	0.27	1.9	–	–	–	–	–	–	40	0.24	1.5	–	–	–
			Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
DNMG 150408-NRM	**T7325**	0.8	140	0.30	3.0	105	0.27	3.0	–	–	–	–	–	–	45	0.24	2.4	–	–	–
	T7335	0.8	130	0.30	3.0	100	0.27	3.0	–	–	–	–	–	–	40	0.24	2.4	–	–	–
	T9315	0.8	180	0.30	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150604-NRM	**T7325**	0.4	130	0.20	3.0	100	0.18	3.0	–	–	–	–	–	–	40	0.20	2.4	–	–	–
	T7335	0.4	130	0.20	3.0	100	0.18	3.0	–	–	–	–	–	–	40	0.20	2.4	–	–	–
	T9315	0.4	180	0.20	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150608-NRM	**T7325**	0.8	140	0.30	3.0	105	0.27	3.0	–	–	–	–	–	–	45	0.24	2.4	–	–	–
	T7335	0.8	130	0.30	3.0	100	0.27	3.0	–	–	–	–	–	–	40	0.24	2.4	–	–	–
	T9315	0.8	180	0.30	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 150612-NRM	**T7325**	1.2	145	0.30	3.0	110	0.27	3.0	–	–	–	–	–	–	45	0.27	2.4	–	–	–
	T7335	1.2	140	0.30	3.0	105	0.27	3.0	–	–	–	–	–	–	45	0.27	2.4	–	–	–
	T9315	1.2	190	0.30	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría R para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
DNMG 150408E-R	**T5315**	0.8	175	0.40	3.0	–	–	–	165	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
DNMG 150608E-R	**T5305**	0.8	200	0.40	3.0	–	–	–	190	0.40	3.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	175	0.40	3.0	–	–	–	165	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9310	0.8	170	0.40	3.0	–	–	–	160	0.40	3.0	–	–	–	–	–	–	30	0.15	1.0
	T9315	0.8	155	0.40	3.0	–	–	–	145	0.40	3.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	0.8	140	0.40	3.0	–	–	–	130	0.40	3.0	–	–	–	–	–	–	–	–	–
DNMG 150612E-R	**T5305**	1.2	210	0.40	3.0	–	–	–	195	0.40	3.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	185	0.40	3.0	–	–	–	175	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9310	1.2	180	0.40	3.0	–	–	–	170	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9315	1.2	165	0.40	3.0	–	–	–	155	0.40	3.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	1.2	150	0.40	3.0	–	–	–	140	0.40	3.0	–	–	–	–	–	–	–	–	–
DNMG 150616E-R	**T9325**	1.6	155	0.40	3.0	–	–	–	145	0.40	3.0	–	–	–	–	–	–	–	–	–
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
DNMG 110408E-RM	**T9315**	0.8	190	0.40	2.0	–	–	–	180	0.40	2.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	170	0.40	2.0	100	0.36	2.0	160	0.40	2.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	145	0.40	2.0	85	0.36	2.0	–	–	–	–	–	–	–	–	–	–	–	–
DNMG 110412E-RM	**T9315**	1.2	230	0.30	2.0	–	–	–	215	0.30	2.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	205	0.30	2.0	120	0.27	2.0	190	0.30	2.0	–	–	–	–	–	–	–	–	–

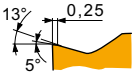
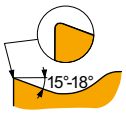
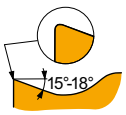
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P				M				K				N				S				H			
			vc (m/min)	f (mm/rev)	ap (mm)		vc (m/min)	f (mm/rev)	ap (mm)		vc (m/min)	f (mm/rev)	ap (mm)		vc (m/min)	f (mm/rev)	ap (mm)		vc (m/min)	f (mm/rev)	ap (mm)		vc (m/min)	f (mm/rev)	ap (mm)	
																										
Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																										
DNMG 150408E-RM	**T9315**	0.8	■	180	0.40	3.0		–	–	–	◪	170	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9325	0.8	■	165	0.40	3.0	◪	95	0.36	3.0	◪	155	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9335	0.8	■	140	0.40	3.0	◪	80	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
DNMG 150412E-RM	**T7325**	1.2	◪	155	0.40	3.0	◪	120	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
	T9315	1.2	■	190	0.40	3.0		–	–	–	◪	180	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9325	1.2	■	170	0.40	3.0	◪	100	0.36	3.0	◪	160	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9335	1.2	■	150	0.40	3.0	◪	90	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
DNMG 150608E-RM	**T5305**	0.8	◪	230	0.40	3.0		–	–	–	◪	215	0.40	3.0		–	–	–		–	–	–		–	–	–
	T5315	0.8	◪	205	0.40	3.0		–	–	–	◪	190	0.40	3.0		–	–	–		–	–	–		–	–	–
	T7325	0.8	◪	145	0.40	3.0	◪	110	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
	T7335	0.8	◪	135	0.40	3.0	◪	105	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
	T8315	0.8	◪	135	0.40	3.0	◪	80	0.36	3.0	◪	125	0.40	3.0		–	–	–		–	–	–		–	–	–
	T8330	0.8	■	130	0.40	3.0	◪	75	0.36	3.0	◪	120	0.40	3.0		–	–	–		–	–	–		–	–	–
	T8430	0.8	■	135	0.40	3.0	◪	75	0.36	3.0	◪	110	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9310	0.8	■	200	0.40	3.0		–	–	–	◪	190	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9315	0.8	■	180	0.40	3.0		–	–	–	◪	170	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9325	0.8	■	165	0.40	3.0	◪	95	0.36	3.0	◪	155	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9335	0.8	■	140	0.40	3.0	◪	80	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
DNMG 150612E-RM	**T5305**	1.2	◪	240	0.40	3.0		–	–	–	◪	225	0.40	3.0		–	–	–		–	–	–		–	–	–
	T5315	1.2	◪	215	0.40	3.0		–	–	–	◪	200	0.40	3.0		–	–	–		–	–	–		–	–	–
	T7325	1.2	◪	155	0.40	3.0	◪	120	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
	T7335	1.2	◪	145	0.40	3.0	◪	110	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
	T8330	1.2	■	135	0.40	3.0	◪	80	0.36	3.0	◪	125	0.40	3.0		–	–	–		–	–	–		–	–	–
	T8430	1.2	■	140	0.40	3.0	◪	75	0.36	3.0	◪	115	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9310	1.2	■	210	0.40	3.0		–	–	–	◪	195	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9315	1.2	■	190	0.40	3.0		–	–	–	◪	180	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9325	1.2	■	170	0.40	3.0	◪	100	0.36	3.0	◪	160	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9335	1.2	■	150	0.40	3.0	◪	90	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
DNMG 150616E-RM	**T5315**	1.6	◪	225	0.40	3.0		–	–	–	◪	210	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9315	1.6	■	200	0.40	3.0		–	–	–	◪	190	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9325	1.6	■	180	0.40	3.0	◪	105	0.36	3.0	◪	170	0.40	3.0		–	–	–		–	–	–		–	–	–
	T9335	1.6	■	155	0.40	3.0	◪	90	0.36	3.0		–	–	–		–	–	–		–	–	–		–	–	–
																										
Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.																										
DNMG 110404E-SF	**T6310**	0.4	■	150	0.15	0.8	■	105	0.14	0.8	■	120	0.15	0.8	◪	450	0.18	0.8	■	45	0.12	0.6	■	30	0.15	1.0
	T7325	0.4	◪	165	0.17	0.8	■	125	0.15	0.8		–	–	–		–	–	–	■	50	0.15	0.6		–	–	–
	T8315	0.4	◪	160	0.15	0.8	■	95	0.14	0.8	■	150	0.15	0.8	◪	480	0.18	0.8	◪	40	0.12	0.6	■	30	0.15	1.0
	T8430	0.4	■	180	0.15	0.8	■	95	0.14	0.8	◪	145	0.15	0.8	◪	495	0.18	0.8	◪	35	0.12	0.6	◪	30	0.15	1.0
	T9315	0.4	■	245	0.15	0.8		–	–	–	◪	230	0.15	0.8		–	–	–		–	–	–	◪	45	0.15	1.0
	T9325	0.4	■	210	0.17	0.8	■	125	0.15	0.8	◪	195	0.17	0.8		–	–	–	◪	45	0.15	0.6		–	–	–
DNMG 110408E-SF	**T6310**	0.8	■	175	0.17	0.8	■	125	0.15	0.8	■	140	0.17	0.8	◪	525	0.20	0.8	■	50	0.14	0.6	■	35	0.15	1.0
	T7325	0.8	◪	195	0.17	0.8	■	150	0.15	0.8		–	–	–		–	–	–	■	60	0.15	0.6		–	–	–
	T7335	0.8	◪	195	0.17	0.8	■	150	0.15	0.8		–	–	–		–	–	–	■	60	0.15	0.6		–	–	–
	T8315	0.8	◪	180	0.17	0.8	■	105	0.15	0.8	■	170	0.17	0.8	◪	540	0.20	0.8	◪	45	0.14	0.6	■	35	0.15	1.0
	T8430	0.8	■	200	0.17	0.8	■	110	0.15	0.8	◪	165	0.17	0.8	◪	555	0.20	0.8	◪	40	0.14	0.6	◪	35	0.15	1.0
	T9325	0.8	■	250	0.17	0.8	■	150	0.15	0.8	◪	235	0.17	0.8		–	–	–	◪	55	0.15	0.6		–	–	–
DNMG 150404E-SF	**T6310**	0.4	■	140	0.15	1.5	■	100	0.14	1.5	■	110	0.15	1.5	◪	420	0.18	1.5	■	40	0.12	1.2	■	25	0.15	1.0
	T8315	0.4	◪	150	0.15	1.5	■	90	0.14	1.5	■	140	0.15	1.5	◪	450	0.18	1.5	◪	35	0.12	1.2	■	30	0.15	1.0
	T8430	0.4	■	165	0.15	1.5	■	90	0.14	1.5	◪	135	0.15	1.5	◪	450	0.18	1.5	◪	35	0.12	1.2	◪	25	0.15	1.0
	T9325	0.4	■	195	0.17	1.5	■	115	0.15	1.5	◪	185	0.17	1.5		–	–	–	◪	40	0.15	1.2		–	–	–

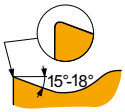
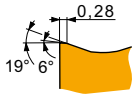
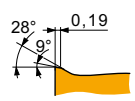
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
			Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.																	
DNMG 150408E-SF	**T6310**	0.8	■	160	0.17	1.5	■	115	0.15	1.5	■	125	0.17	1.5	◪	480	0.20	1.5	■	45	0.14	1.2	■	30	0.15	1.0
	T8315	0.8	◪	170	0.17	1.5	■	100	0.15	1.5	■	160	0.17	1.5	◪	510	0.20	1.5	◪	40	0.14	1.2	■	30	0.15	1.0
	T8330	0.8	■	160	0.17	1.5	■	95	0.15	1.5	■	150	0.17	1.5	◪	480	0.20	1.5	◪	40	0.14	1.2	◪	30	0.15	1.0
	T8430	0.8	■	190	0.17	1.5	■	105	0.15	1.5	◪	155	0.17	1.5	◪	525	0.20	1.5	◪	40	0.14	1.2	◪	30	0.15	1.0
	T9325	0.8	■	235	0.17	1.5	■	140	0.15	1.5	◪	220	0.17	1.5		–	–	–	◪	50	0.15	1.2		–	–	–
DNMG 150604E-SF	**H07**	0.4		–	–	–	◪	70	0.14	1.5	■	115	0.15	1.5	◪	360	0.18	1.5	■	35	0.12	1.2		–	–	–
	T6310	0.4	■	140	0.15	1.5	■	100	0.14	1.5	■	110	0.15	1.5	◪	420	0.18	1.5	■	40	0.12	1.2	■	25	0.15	1.0
	T7325	0.4	◪	155	0.17	1.5	■	120	0.15	1.5		–	–	–		–	–	–	■	50	0.15	1.2		–	–	–
	T7335	0.4	◪	150	0.17	1.5	■	115	0.15	1.5		–	–	–		–	–	–	■	45	0.15	1.2		–	–	–
	T8315	0.4	◪	150	0.15	1.5	■	90	0.14	1.5	■	140	0.15	1.5	◪	450	0.18	1.5	◪	35	0.12	1.2	■	30	0.15	1.0
	T8330	0.4	■	140	0.15	1.5	■	80	0.14	1.5	■	130	0.15	1.5	◪	420	0.18	1.5	◪	35	0.12	1.2	◪	25	0.15	1.0
	T8430	0.4	■	165	0.15	1.5	■	90	0.14	1.5	◪	135	0.15	1.5	◪	450	0.18	1.5	◪	35	0.12	1.2	◪	25	0.15	1.0
	T9315	0.4	■	230	0.15	1.5		–	–	–	◪	215	0.15	1.5		–	–	–		–	–	–	◪	45	0.15	1.0
	T9325	0.4	■	195	0.17	1.5	■	115	0.15	1.5	◪	185	0.17	1.5		–	–	–	◪	40	0.15	1.2		–	–	–
DNMG 150608E-SF	**H07**	0.8		–	–	–	◪	80	0.15	1.5	■	130	0.17	1.5	◪	415	0.20	1.5	■	40	0.14	1.2		–	–	–
	T6310	0.8	■	160	0.17	1.5	■	115	0.15	1.5	■	125	0.17	1.5	◪	480	0.20	1.5	■	45	0.14	1.2	■	30	0.15	1.0
	T7325	0.8	◪	185	0.17	1.5	■	140	0.15	1.5		–	–	–		–	–	–	■	60	0.15	1.2		–	–	–
	T7335	0.8	◪	180	0.17	1.5	■	140	0.15	1.5		–	–	–		–	–	–	■	55	0.15	1.2		–	–	–
	T8315	0.8	◪	170	0.17	1.5	■	100	0.15	1.5	■	160	0.17	1.5	◪	510	0.20	1.5	◪	40	0.14	1.2	■	30	0.15	1.0
	T8330	0.8	■	160	0.17	1.5	■	95	0.15	1.5	■	150	0.17	1.5	◪	480	0.20	1.5	◪	40	0.14	1.2	◪	30	0.15	1.0
	T8430	0.8	■	190	0.17	1.5	■	105	0.15	1.5	◪	155	0.17	1.5	◪	525	0.20	1.5	◪	40	0.14	1.2	◪	30	0.15	1.0
	T9315	0.8	■	255	0.17	1.5		–	–	–	◪	240	0.17	1.5		–	–	–		–	–	–	◪	50	0.15	1.0
	T9325	0.8	■	235	0.17	1.5	■	140	0.15	1.5	◪	220	0.17	1.5		–	–	–	◪	50	0.15	1.2		–	–	–
DNMG 150612E-SF	**T6310**	1.2	■	145	0.30	1.5	■	100	0.27	1.5	■	115	0.30	1.5	◪	435	0.36	1.5	■	40	0.21	1.2	■	25	0.15	1.0
	T7325	1.2	◪	165	0.30	1.5	■	125	0.27	1.5		–	–	–		–	–	–	■	50	0.21	1.2		–	–	–
	T9315	1.2	■	210	0.30	1.5		–	–	–	◪	195	0.30	1.5		–	–	–		–	–	–	◪	40	0.15	1.0
			Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																	
DNMG 110404E-SM	**T6310**	0.4	■	140	0.20	0.8	■	100	0.18	0.8	■	110	0.20	0.8	◪	420	0.24	0.8	■	40	0.20	0.6	◪	25	0.15	1.0
	T7325	0.4	◪	160	0.20	0.8	■	120	0.18	0.8		–	–	–		–	–	–	■	50	0.20	0.6		–	–	–
	T7335	0.4	◪	150	0.20	0.8	■	115	0.18	0.8		–	–	–		–	–	–	■	45	0.20	0.6		–	–	–
	T8430	0.4	■	155	0.20	0.8	■	85	0.18	0.8	◪	130	0.20	0.8	◪	435	0.24	0.8	◪	30	0.20	0.6	◪	25	0.15	1.0
	T9325	0.4	■	190	0.20	0.8	■	110	0.18	0.8	◪	180	0.20	0.8		–	–	–	◪	40	0.20	0.6		–	–	–
DNMG 110408E-SM	**T6310**	0.8	■	150	0.25	1.2	■	105	0.23	1.2	■	120	0.25	1.2	◪	450	0.30	1.2	■	45	0.20	1.0	◪	30	0.15	1.0
	T7325	0.8	◪	170	0.25	1.2	■	130	0.23	1.2		–	–	–		–	–	–	■	55	0.20	1.0		–	–	–
	T7335	0.8	◪	160	0.25	1.2	■	120	0.23	1.2		–	–	–		–	–	–	■	50	0.20	1.0		–	–	–
	T8330	0.8	■	150	0.25	1.2	■	90	0.23	1.2	■	140	0.25	1.2	◪	450	0.30	1.2	◪	35	0.20	1.0	◪	30	0.15	1.0
	T8430	0.8	■	170	0.25	1.2	■	90	0.23	1.2	◪	135	0.25	1.2	◪	465	0.30	1.2	◪	35	0.20	1.0	◪	25	0.15	1.0
	T9325	0.8	■	200	0.25	1.2	■	120	0.23	1.2	◪	190	0.25	1.2		–	–	–	◪	45	0.20	1.0		–	–	–
DNMG 150404E-SM	**T6310**	0.4	■	125	0.22	1.7	■	90	0.20	1.7	■	100	0.22	1.7	◪	375	0.26	1.7	■	35	0.20	1.4	◪	25	0.15	1.0
DNMG 150408E-SM	**T6310**	0.8	■	140	0.25	2.1	■	100	0.23	2.1	■	110	0.25	2.1	◪	420	0.30	2.1	■	40	0.20	1.7	◪	25	0.15	1.0
DNMG 150604E-SM	**T6310**	0.4	■	125	0.22	1.7	■	90	0.20	1.7	■	100	0.22	1.7	◪	375	0.26	1.7	■	35	0.20	1.4	◪	25	0.15	1.0
	T7325	0.4	◪	140	0.22	1.7	■	105	0.20	1.7		–	–	–		–	–	–	■	45	0.20	1.4		–	–	–
	T7335	0.4	◪	140	0.22	1.7	■	105	0.20	1.7		–	–	–		–	–	–	■	45	0.20	1.4		–	–	–
	T8330	0.4	■	125	0.22	1.7	■	75	0.20	1.7	■	115	0.22	1.7	◪	375	0.26	1.7	◪	30	0.20	1.4	◪	25	0.15	1.0
	T8430	0.4	■	140	0.22	1.7	■	75	0.20	1.7	◪	115	0.22	1.7	◪	390	0.26	1.7	◪	30	0.20	1.4	◪	20	0.15	1.0
	T9315	0.4	■	200	0.20	1.7		–	–	–	◪	190	0.20	1.7		–	–	–		–	–	–	◪	40	0.15	1.0
	T9325	0.4	■	170	0.22	1.7	■	100	0.20	1.7	◪	160	0.22	1.7		–	–	–	◪	35	0.20	1.4		–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																				
DNMG 150608E-SM	**T6310**	0.8	■ 140	0.25	1.7	■ 100	0.23	1.7	■ 110	0.25	1.7	◪ 420	0.30	1.7	■ 40	0.20	1.4	◪ 25	0.15	1.0
	T7325	0.8	◪ 160	0.25	1.7	■ 120	0.23	1.7	–	–	–	–	–	–	■ 50	0.20	1.4	–	–	–
	T7335	0.8	◪ 155	0.25	1.7	■ 120	0.23	1.7	–	–	–	–	–	–	■ 50	0.20	1.4	–	–	–
	T8330	0.8	■ 140	0.25	1.7	■ 80	0.23	1.7	■ 130	0.25	1.7	◪ 420	0.30	1.7	◪ 35	0.20	1.4	◪ 25	0.15	1.0
	T8430	0.8	■ 155	0.25	1.7	■ 85	0.23	1.7	◪ 130	0.25	1.7	◪ 435	0.30	1.7	◪ 30	0.20	1.4	◪ 25	0.15	1.0
	T9315	0.8	■ 215	0.25	1.7	–	–	–	◪ 200	0.25	1.7	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.8	■ 195	0.25	1.7	■ 115	0.23	1.7	◪ 185	0.25	1.7	–	–	–	◪ 40	0.20	1.4	–	–	–
DNMG 150612E-SM	**T6310**	1.2	■ 145	0.30	1.7	■ 100	0.27	1.7	■ 115	0.30	1.7	◪ 435	0.36	1.7	■ 40	0.24	1.4	◪ 25	0.15	1.0
	T7325	1.2	◪ 160	0.30	1.7	■ 120	0.27	1.7	–	–	–	–	–	–	■ 50	0.24	1.4	–	–	–
	T7335	1.2	◪ 155	0.30	1.7	■ 120	0.27	1.7	–	–	–	–	–	–	■ 50	0.24	1.4	–	–	–
	T8330	1.2	■ 145	0.30	1.7	■ 85	0.27	1.7	■ 135	0.30	1.7	◪ 435	0.36	1.7	◪ 35	0.24	1.4	◪ 25	0.15	1.0
	T8430	1.2	■ 155	0.30	1.7	■ 85	0.27	1.7	◪ 130	0.30	1.7	◪ 435	0.36	1.7	◪ 30	0.24	1.4	◪ 25	0.15	1.0
	T9315	1.2	■ 210	0.30	1.7	–	–	–	◪ 195	0.30	1.7	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	1.2	■ 190	0.30	1.7	■ 110	0.27	1.7	◪ 180	0.30	1.7	–	–	–	◪ 40	0.24	1.4	–	–	–
																				
Geometría ER-SI con diseño positivo a derecha para acabado fino a semi-desbaste con corte contínuo.																				
DNMG 110404ER-SI	**T7325**	0.4	◪ 185	0.20	1.0	■ 140	0.18	1.0	–	–	–	–	–	–	◪ 60	0.18	0.8	–	–	–
	T7335	0.4	◪ 180	0.20	1.0	■ 140	0.18	1.0	–	–	–	–	–	–	◪ 55	0.18	0.8	–	–	–
	T8330	0.4	■ 160	0.20	1.0	■ 95	0.18	1.0	–	–	–	◪ 480	0.24	1.0	◪ 40	0.18	0.8	–	–	–
	T8430	0.4	■ 185	0.20	1.0	■ 100	0.18	1.0	–	–	–	◪ 510	0.24	1.0	◪ 40	0.18	0.8	–	–	–
	T9325	0.4	■ 225	0.20	1.0	■ 135	0.18	1.0	–	–	–	–	–	–	◪ 50	0.18	0.8	–	–	–
DNMG 110408ER-SI	**T7335**	0.8	◪ 175	0.35	1.0	■ 135	0.32	1.0	–	–	–	–	–	–	◪ 55	0.25	0.8	–	–	–
	T8330	0.8	■ 165	0.35	1.0	■ 95	0.32	1.0	–	–	–	◪ 495	0.42	1.0	◪ 40	0.25	0.8	–	–	–
	T8430	0.8	■ 180	0.35	1.0	■ 95	0.32	1.0	–	–	–	◪ 495	0.42	1.0	◪ 35	0.25	0.8	–	–	–
	T9325	0.8	■ 210	0.35	1.0	■ 125	0.32	1.0	–	–	–	–	–	–	◪ 45	0.25	0.8	–	–	–
DNMG 150404ER-SI	**T8330**	0.4	■ 155	0.20	1.5	■ 90	0.18	1.5	–	–	–	◪ 465	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T8430	0.4	■ 175	0.20	1.5	■ 95	0.18	1.5	–	–	–	◪ 480	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T9325	0.4	■ 220	0.20	1.5	■ 130	0.18	1.5	–	–	–	–	–	–	◪ 45	0.18	1.2	–	–	–
DNMG 150408ER-SI	**T8330**	0.8	■ 160	0.35	1.5	■ 95	0.32	1.5	–	–	–	◪ 480	0.42	1.5	◪ 40	0.25	1.2	–	–	–
	T8430	0.8	■ 170	0.35	1.5	■ 90	0.32	1.5	–	–	–	◪ 465	0.42	1.5	◪ 35	0.25	1.2	–	–	–
	T9325	0.8	■ 200	0.35	1.5	■ 120	0.32	1.5	–	–	–	–	–	–	◪ 45	0.25	1.2	–	–	–
DNMG 150604ER-SI	**T7325**	0.4	◪ 180	0.20	1.5	■ 140	0.18	1.5	–	–	–	–	–	–	◪ 55	0.18	1.2	–	–	–
	T7335	0.4	◪ 170	0.20	1.5	■ 130	0.18	1.5	–	–	–	–	–	–	◪ 55	0.18	1.2	–	–	–
	T8315	0.4	◪ 165	0.20	1.5	■ 95	0.18	1.5	–	–	–	◪ 495	0.24	1.5	◪ 40	0.18	1.2	–	–	–
	T8330	0.4	■ 155	0.20	1.5	■ 90	0.18	1.5	–	–	–	◪ 465	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T8430	0.4	■ 175	0.20	1.5	■ 95	0.18	1.5	–	–	–	◪ 480	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T9325	0.4	■ 220	0.20	1.5	■ 130	0.18	1.5	–	–	–	–	–	–	◪ 45	0.18	1.2	–	–	–
	T9335	0.4	■ 185	0.20	1.5	■ 110	0.18	1.5	–	–	–	–	–	–	◪ 40	0.18	1.2	–	–	–
DNMG 150608ER-SI	**T7325**	0.8	◪ 180	0.35	1.5	■ 140	0.32	1.5	–	–	–	–	–	–	◪ 55	0.25	1.2	–	–	–
	T7335	0.8	◪ 170	0.35	1.5	■ 130	0.32	1.5	–	–	–	–	–	–	◪ 55	0.25	1.2	–	–	–
	T8315	0.8	◪ 165	0.35	1.5	■ 95	0.32	1.5	–	–	–	◪ 495	0.42	1.5	◪ 40	0.25	1.2	–	–	–
	T8330	0.8	■ 160	0.35	1.5	■ 95	0.32	1.5	–	–	–	◪ 480	0.42	1.5	◪ 40	0.25	1.2	–	–	–
	T8430	0.8	■ 170	0.35	1.5	■ 90	0.32	1.5	–	–	–	◪ 465	0.42	1.5	◪ 35	0.25	1.2	–	–	–
	T9325	0.8	■ 200	0.35	1.5	■ 120	0.32	1.5	–	–	–	–	–	–	◪ 45	0.25	1.2	–	–	–
	T9335	0.8	■ 180	0.35	1.5	■ 105	0.32	1.5	–	–	–	–	–	–	◪ 40	0.25	1.2	–	–	–
																				
Geometría EL-SI con diseño positivo a izquierda para acabado fino a semi-desbaste con corte contínuo.																				
DNMG 110404EL-SI	**T7335**	0.4	◪ 180	0.20	1.0	■ 140	0.18	1.0	–	–	–	–	–	–	◪ 55	0.18	0.8	–	–	–
	T8330	0.4	■ 160	0.20	1.0	■ 95	0.18	1.0	–	–	–	◪ 480	0.24	1.0	◪ 40	0.18	0.8	–	–	–
	T8430	0.4	■ 185	0.20	1.0	■ 100	0.18	1.0	–	–	–	◪ 510	0.24	1.0	◪ 40	0.18	0.8	–	–	–
	T9325	0.4	■ 225	0.20	1.0	■ 135	0.18	1.0	–	–	–	–	–	–	◪ 50	0.18	0.8	–	–	–

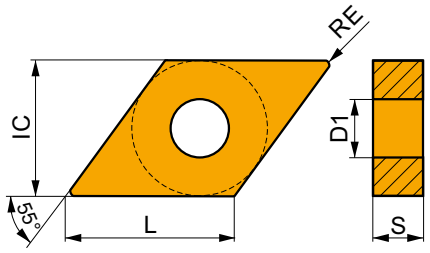
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			E																	
Geometría EL-SI con diseño positivo a izquierda para acabado fino a semi-desbaste con corte contínuo.																				
DNMG 110408EL-SI	**T7325**	0.8	◪ 185	0.35	1.0	■ 140	0.32	1.0	–	–	–	–	–	–	◪ 60	0.25	0.8	–	–	–
	T8330	0.8	■ 165	0.35	1.0	■ 95	0.32	1.0	–	–	–	◪ 495	0.42	1.0	◪ 40	0.25	0.8	–	–	–
	T8430	0.8	■ 180	0.35	1.0	■ 95	0.32	1.0	–	–	–	◪ 495	0.42	1.0	◪ 35	0.25	0.8	–	–	–
	T9325	0.8	■ 210	0.35	1.0	■ 125	0.32	1.0	–	–	–	–	–	–	◪ 45	0.25	0.8	–	–	–
DNMG 150404EL-SI	**T8330**	0.4	■ 155	0.20	1.5	■ 90	0.18	1.5	–	–	–	◪ 465	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T8430	0.4	■ 175	0.20	1.5	■ 95	0.18	1.5	–	–	–	◪ 480	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T9325	0.4	■ 220	0.20	1.5	■ 130	0.18	1.5	–	–	–	–	–	–	◪ 45	0.18	1.2	–	–	–
DNMG 150408EL-SI	**T7335**	0.8	◪ 170	0.35	1.5	■ 130	0.32	1.5	–	–	–	–	–	–	◪ 55	0.25	1.2	–	–	–
	T8330	0.8	■ 160	0.35	1.5	■ 95	0.32	1.5	–	–	–	◪ 480	0.42	1.5	◪ 40	0.25	1.2	–	–	–
	T8430	0.8	■ 170	0.35	1.5	■ 90	0.32	1.5	–	–	–	◪ 465	0.42	1.5	◪ 35	0.25	1.2	–	–	–
	T9325	0.8	■ 200	0.35	1.5	■ 120	0.32	1.5	–	–	–	–	–	–	◪ 45	0.25	1.2	–	–	–
DNMG 150604EL-SI	**T7325**	0.4	◪ 180	0.20	1.5	■ 140	0.18	1.5	–	–	–	–	–	–	◪ 55	0.18	1.2	–	–	–
	T7335	0.4	◪ 170	0.20	1.5	■ 130	0.18	1.5	–	–	–	–	–	–	◪ 55	0.18	1.2	–	–	–
	T8315	0.4	◪ 165	0.20	1.5	■ 95	0.18	1.5	–	–	–	◪ 495	0.24	1.5	◪ 40	0.18	1.2	–	–	–
	T8330	0.4	■ 155	0.20	1.5	■ 90	0.18	1.5	–	–	–	◪ 465	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T8430	0.4	■ 175	0.20	1.5	■ 95	0.18	1.5	–	–	–	◪ 480	0.24	1.5	◪ 35	0.18	1.2	–	–	–
	T9325	0.4	■ 220	0.20	1.5	■ 130	0.18	1.5	–	–	–	–	–	–	◪ 45	0.18	1.2	–	–	–
	T9335	0.4	■ 185	0.20	1.5	■ 110	0.18	1.5	–	–	–	–	–	–	◪ 40	0.18	1.2	–	–	–
DNMG 150608EL-SI	**T7325**	0.8	◪ 180	0.35	1.5	■ 140	0.32	1.5	–	–	–	–	–	–	◪ 55	0.25	1.2	–	–	–
	T7335	0.8	◪ 170	0.35	1.5	■ 130	0.32	1.5	–	–	–	–	–	–	◪ 55	0.25	1.2	–	–	–
	T8315	0.8	◪ 165	0.35	1.5	■ 95	0.32	1.5	–	–	–	◪ 495	0.42	1.5	◪ 40	0.25	1.2	–	–	–
	T8330	0.8	■ 160	0.35	1.5	■ 95	0.32	1.5	–	–	–	◪ 480	0.42	1.5	◪ 40	0.25	1.2	–	–	–
	T8430	0.8	■ 170	0.35	1.5	■ 90	0.32	1.5	–	–	–	◪ 465	0.42	1.5	◪ 35	0.25	1.2	–	–	–
	T9325	0.8	■ 200	0.35	1.5	■ 120	0.32	1.5	–	–	–	–	–	–	◪ 45	0.25	1.2	–	–	–
	T9335	0.8	■ 180	0.35	1.5	■ 105	0.32	1.5	–	–	–	–	–	–	◪ 40	0.25	1.2	–	–	–
			W	S																
Geometría Wiper W-MR para acabado a desbaste con mayores avances y acabado superficial mejorado.																				
DNMG 150608W-MR	**T5315**	0.8	◪ 190	0.40	1.5	–	–	–	◪ 180	0.40	1.5	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 170	0.40	1.5	–	–	–	◪ 160	0.40	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 155	0.40	1.5	◪ 90	0.36	1.5	◪ 145	0.40	1.5	–	–	–	–	–	–	–	–	–
DNMG 150612W-MR	**T9310**	1.2	■ 175	0.50	1.5	–	–	–	◪ 165	0.50	1.5	–	–	–	–	–	–	–	–	–
	T9315	1.2	■ 160	0.50	1.5	–	–	–	◪ 150	0.50	1.5	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 145	0.50	1.5	◪ 85	0.45	1.5	◪ 135	0.50	1.5	–	–	–	–	–	–	–	–	–
			W	S																
Geometría Wiper W-NM para acabado a desbaste con mayores avances y acabado superficial mejorado.																				
DNMX 150604W-NM	**T7325**	0.4	◪ 145	0.30	1.5	◪ 110	0.27	1.5	–	–	–	–	–	–	◪ 45	0.21	1.2	–	–	–
	T7335	0.4	◪ 135	0.30	1.5	◪ 105	0.27	1.5	–	–	–	–	–	–	◪ 40	0.21	1.2	–	–	–
	T9315	0.4	■ 185	0.30	1.5	–	–	–	◪ 175	0.30	1.5	–	–	–	–	–	–	–	–	–
DNMX 150608W-NM	**T7325**	0.8	◪ 155	0.40	1.5	◪ 120	0.36	1.5	–	–	–	–	–	–	◪ 50	0.28	1.2	–	–	–
	T7335	0.8	◪ 145	0.40	1.5	◪ 110	0.36	1.5	–	–	–	–	–	–	◪ 45	0.28	1.2	–	–	–
	T9315	0.8	■ 195	0.40	1.5	–	–	–	◪ 185	0.40	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 175	0.40	1.5	◪ 105	0.36	1.5	◪ 165	0.40	1.5	–	–	–	◪ 35	0.28	1.2	–	–	–

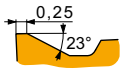
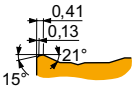
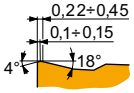
DNMM

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1504	12.700	5.16	15.50	4.76
1506	12.700	5.16	15.50	6.35



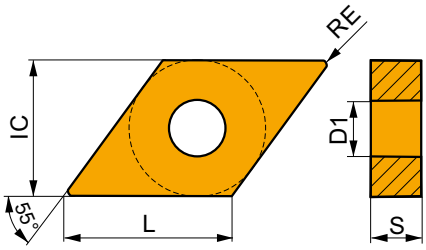
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría NR para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
DNMM 150408E-NR	**T9325**	0.8	■ 155	0.40	3.0	■ 90	0.36	3.0	◪ 145	0.40	3.0	–	–	–	◪ 30	0.28	2.4	–	–	–
DNMM 150608E-NR	**T7325**	0.8	◪ 140	0.40	3.0	■ 105	0.36	3.0	–	–	–	–	–	–	◪ 45	0.28	2.4	–	–	–
	T8330	0.8	■ 125	0.40	3.0	■ 75	0.36	3.0	◪ 115	0.40	3.0	–	–	–	◪ 30	0.28	2.4	–	–	–
	T8430	0.8	■ 130	0.40	3.0	■ 70	0.36	3.0	◪ 105	0.40	3.0	–	–	–	◪ 25	0.28	2.4	–	–	–
	T9325	0.8	■ 155	0.40	3.0	■ 90	0.36	3.0	◪ 145	0.40	3.0	–	–	–	◪ 30	0.28	2.4	–	–	–
																				
Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
DNMM 150608E-NR2	**T9325**	0.8	■ 155	0.40	3.0	■ 90	0.36	3.0	◪ 145	0.40	3.0	–	–	–	◪ 30	0.32	2.4	–	–	–
																				
Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
DNMM 150608E-OR	**T9325**	0.8	■ 155	0.40	3.0	◪ 90	0.36	3.0	◪ 145	0.40	3.0	–	–	–	◪ 30	0.28	2.4	–	–	–
DNMM 150612E-OR	**T9315**	1.2	■ 180	0.40	3.0	–	–	–	◪ 170	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 165	0.40	3.0	◪ 95	0.36	3.0	◪ 155	0.40	3.0	–	–	–	◪ 35	0.32	2.4	–	–	–
	T9335	1.2	■ 145	0.40	3.0	◪ 85	0.36	3.0	–	–	–	–	–	–	◪ 30	0.32	2.4	–	–	–
DNMM 150616E-OR	**T9325**	1.6	■ 165	0.45	3.0	◪ 95	0.41	3.0	◪ 155	0.45	3.0	–	–	–	◪ 35	0.41	2.4	–	–	–

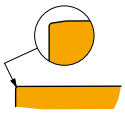
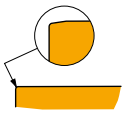
DNGA CER

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1504	12.700	5.16	15.50	4.76



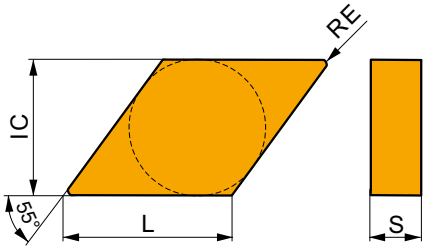
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC S																	
			Para mecanizado con altas velocidades y corte contínuo.																	
DNGA 150408 S02020	**TC100**	0.8	–	–	–	–	–	–	450	0.20	1.5	–	–	–	–	–	–	–	–	–
			HSC T																	
			Para mecanizado con altas velocidades y corte contínuo.																	
DNGA 150404 T01020	**TC100**	0.4	–	–	–	–	–	–	475	0.10	1.5	–	–	–	–	–	–	–	–	–
DNGA 150408 T00520	**TC100**	0.8	–	–	–	–	–	–	450	0.20	1.5	–	–	–	–	–	–	–	–	–

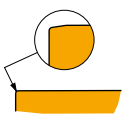
DNGN CER

PRAMET

	IC (mm)	L (mm)	S (mm)
1504	12.700	15.50	4.76

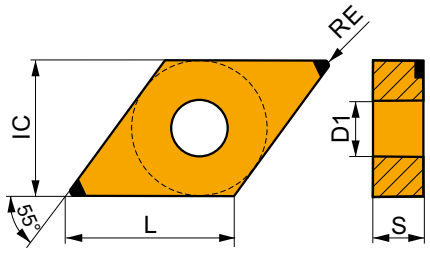


Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

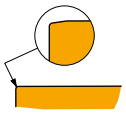
Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC T																	
			Para mecanizado con altas velocidades y corte contínuo.																	
DNGN 150408 T01020	**TC100**	0.8	–	–	–	–	–	–	450	0.20	1.5	–	–	–	–	–	–	–	–	–

DNGA CBN

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1506	12.700	5.16	15.50	6.35



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		S															
			Para acabado con corte contínuo.																	
DNGA 150608S01020B	**TB310**	0.8	–	–	–	–	–	–	420	0.15	0.6	–	–	–	110	0.11	0.5	85	0.15	1.0

DDJN(RL) EXT

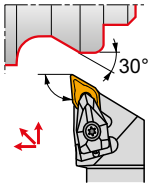
P M K N S H

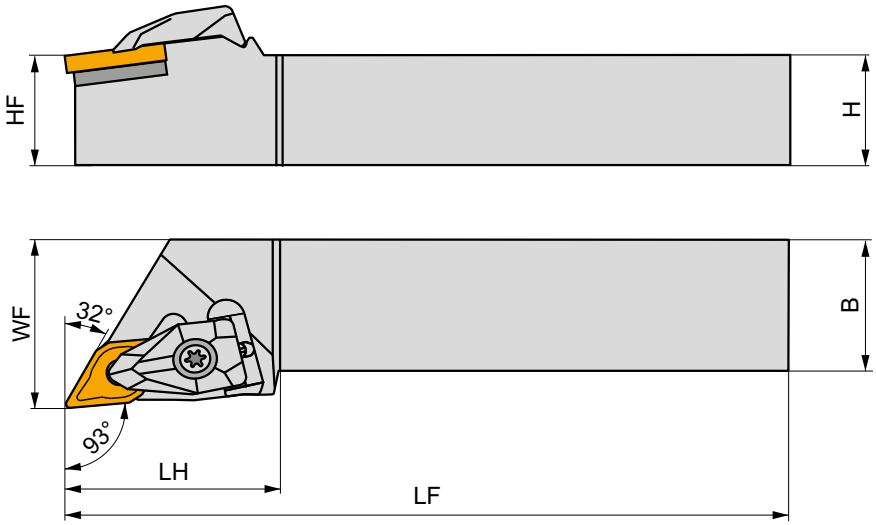
PRAMET

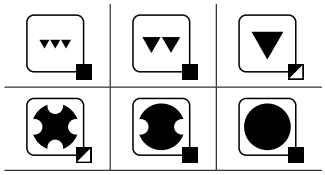
D

Portaherramientas de Torneado Exterior con Fijación Doble, a 93°, para Plaquitas DN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, refrentado, copiado y achaflanado con plaquitas negativas DN.. 11 o 15. Disponible con mangos de 20x20 hasta 32x32. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg			
R	DDJNR 2020 K 11	20	20	20	25	125	30.2	-7	-6	0.45	GI046	DD11	–
	DDJNR 2525 M 11	25	25	25	32	150	30.2	-7	-6	0.77	GI046	DD11	–
	DDJNR 2020 K 15	20	20	20	25	125	39.4	-7	-6	0.42	GI044	DD154	AT002
	DDJNR 2525 M 15	25	25	25	32	150	39.4	-7	-6	0.74	GI044	DD154	AT002
	DDJNR 3225 P 15	32	25	32	32	170	39.4	-7	-6	1.12	GI044	DD154	AT002
	DDJNR 3232 P 15	32	32	32	40	170	39.4	-7	-6	1.33	GI044	DD154	AT002
L	DDJNL 2020 K 11	20	20	20	25	125	30.2	-7	-6	0.45	GI046	DD11	–
	DDJNL 2525 M 11	25	25	25	32	150	30.2	-7	-6	0.77	GI046	DD11	–
	DDJNL 2020 K 15	20	20	20	25	125	39.4	-7	-6	0.42	GI044	DD154	AT002
	DDJNL 2525 M 15	25	25	25	32	150	39.4	-7	-6	0.74	GI044	DD154	AT002
	DDJNL 3225 P 15	32	25	32	32	170	39.4	-7	-6	1.01	GI044	DD154	AT002
	DDJNL 3232 P 15	32	32	32	40	170	39.4	-7	-6	1.34	GI044	DD154	AT002

GI044	DN.. 1506..
GI046	DN.. 1104..

DD11	DCS 09	1.7	DDS 267-01	US 2004-T09P	FLAG T09P
DD154	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5

AT002a	DN.. 1504..	–	DDS 266-01
AT002b	CER DN.N 1506..	DCS 12C4	–
AT002c	CER DN.A 1506..	DCS 12C2	–

PDJN(RL) EXT

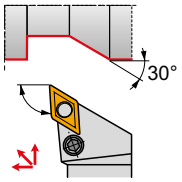
P M K N S H

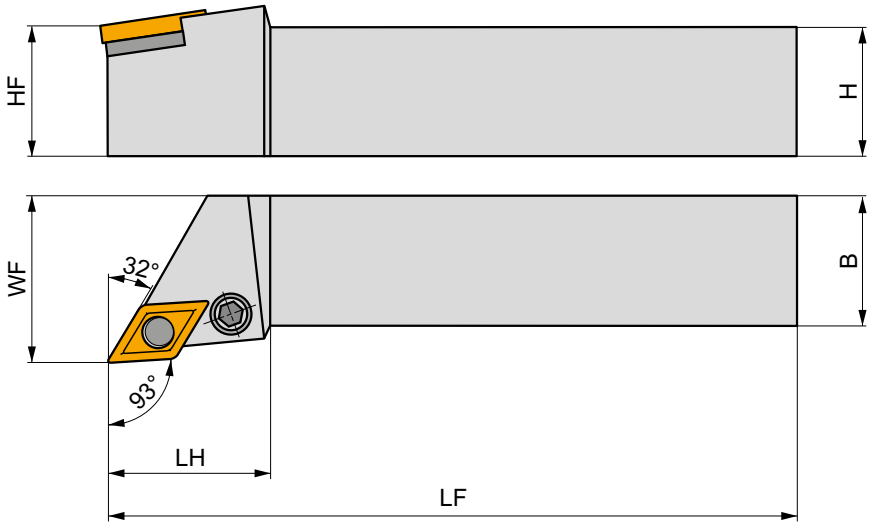
PRAMET

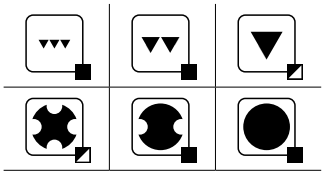
P

Portaherramientas de Exterior con Fijación por Palanca, a 93°, para Plaquitas DN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, copiado hasta 30° y achaflanado con plaquitas negativas DN.. 11 y 15. Disponible con mangos de 20x20 hasta 32x32 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PDJNR 2020 K 11	20	20	20	25	125	30	-6	-6	0.43	GI046	PD60
	PDJNR 2525 M 11	25	25	25	32	150	30	-6	-6	0.73	GI046	PD60
	PDJNR 3225 P 11	32	25	32	32	170	30	-6	-6	1.10	GI046	PD60
	PDJNR 2020 K 15	20	20	20	25	125	40	-6	-6	0.44	GI044	PD31
	PDJNR 2525 M 15	25	25	25	32	150	40	-6	-6	0.73	GI044	PD30
	PDJNR 3225 P 15	32	25	32	32	170	40	-6	-6	1.05	GI044	PD30
	PDJNR 3232 P 15	32	32	32	40	170	40	-6	-6	1.30	GI044	PD30
L	PDJNL 2020 K 11	20	20	20	25	125	30	-6	-6	0.41	GI046	PD60
	PDJNL 2525 M 11	25	25	25	32	150	30	-6	-6	0.73	GI046	PD60
	PDJNL 3225 P 11	32	25	32	32	170	30	-6	-6	1.10	GI046	PD60
	PDJNL 2020 K 15	20	20	20	25	125	40	-6	-6	0.42	GI044	PD31
	PDJNL 2525 M 15	25	25	25	32	150	40	-6	-6	0.73	GI044	PD30
	PDJNL 3225 P 15	32	25	32	32	170	40	-6	-6	0.98	GI044	PD30
	PDJNL 3232 P 15	32	32	32	40	170	40	-6	-6	1.30	GI044	PD30

GI044	DN.. 1506..
GI046	DN.. 1104..

				Nm					
PD30	DNU 150308	PU 03	US 36	6.0	M 8x1	26	NT 05	MT 05	HXK 4
PD31	DNU 150308	PU 03	US 40	6.0	M 8x1	20.5	NT 05	MT 05	HXK 4
PD60	PDN 110308	PU 3512	PS 0616	3.0	M 6	16	NT 5153	MT 0912	HXK 2.5

PDNN(RL) EXT

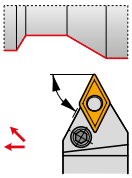
P M K N S H

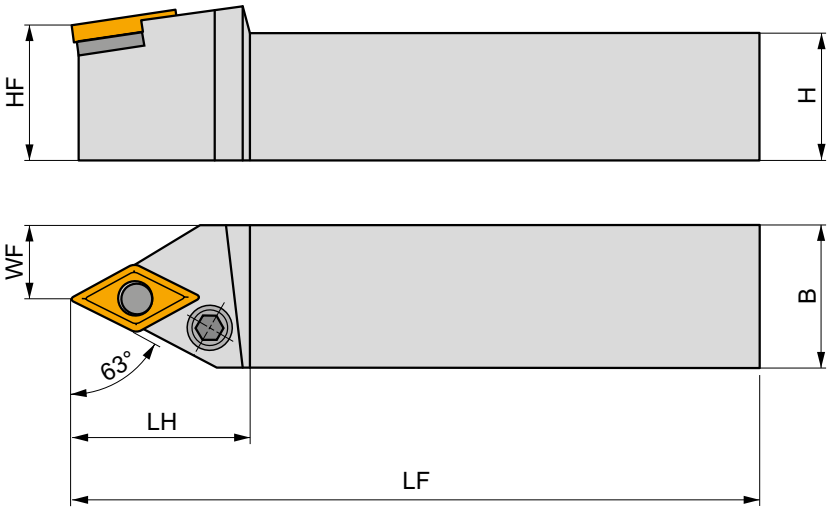
PRAMET

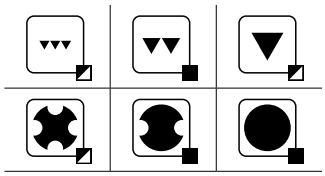
P

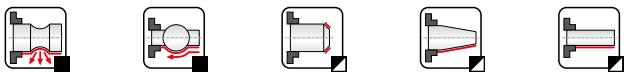
Portaherramientas de Torneado Exterior con Fijación por Palanca, a 63°, para Plaquitas DN..

Portaherramientas neutro de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 63°. Adecuado para torneado longitudinal sin escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas DN.. 11 y 15. Disponible con mangos de 20x20 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PDNNR 2020 K 11	20	20	20	10	125	24	-6	-6	0.39	GI046	PD60
	PDNNR 2525 M 11	25	25	25	12.5	150	30	-6	-6	0.60	GI046	PD60
	PDNNR 2525 M 15	25	25	25	12.5	150	40	-6	-6	0.64	GI044	PD30
	PDNNR 3225 P 15	32	25	32	12.5	170	40	-6	-6	1.05	GI044	PD30
L	PDNNL 2020 K 11	20	20	20	10	125	24	-6	-6	0.40	GI046	PD60
	PDNNL 2525 M 11	25	25	25	12.5	150	30	-6	-6	0.60	GI046	PD60
	PDNNL 2525 M 15	25	25	25	12.5	150	40	-6	-6	0.07	GI044	PD30
	PDNNL 3225 P 15	32	25	32	12.5	170	40	-6	-6	1.05	GI044	PD30

GI044	DN.. 1506..
GI046	DN.. 1104..

				Nm					
PD30	DNU 150308	PU 03	US 36	6.0	M 8x1	26	NT 05	MT 05	HXK 4
PD60	PDN 110308	PU 3512	PS 0616	3.0	M 6	16	NT 5153	MT 0912	HXK 2.5

PDXN(RL) EXT

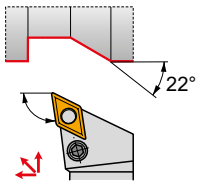
P M K N S H

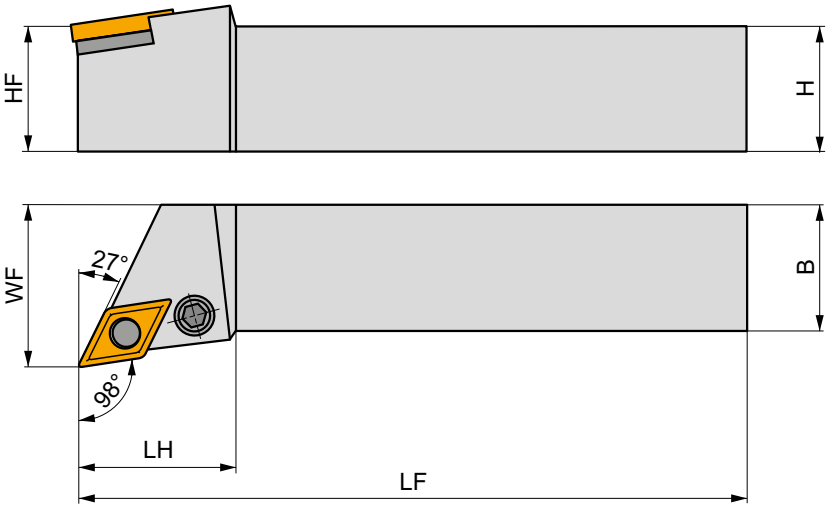
PRAMET

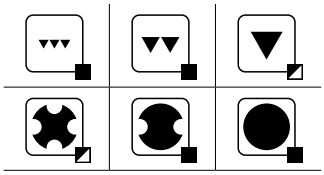
P

Portaherramientas de Torneado Exterior con Fijación por Palanca, a 98°, para Plaquitas DN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 98°. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 22° y achaflanado con plaquitas negativas DN.. 15. Disponible con mangos de 20x20 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PDXNR 2020 K 15	20	20	20	25	125	40	-6	-6	0.43	GI044	PD31
	PDXNR 2525 M 15	25	25	25	32	150	40	-6	-6	0.73	GI044	PD30
	PDXNR 3225 P 15	32	25	32	32	170	40	-6	-6	0.80	GI044	PD30
L	PDXNL 2020 K 15	20	20	20	25	125	40	-6	-6	0.42	GI044	PD31
	PDXNL 2525 M 15	25	25	25	32	150	40	-6	-6	0.71	GI044	PD30
	PDXNL 3225 P 15	32	25	32	32	170	40	-6	-6	0.95	GI044	PD30

GI044	DN.. 1506..

				Nm					
PD30	DNU 150308	PU 03	US 36	6.0	M 8x1	26	NT 05	MT 05	HXK 4
PD31	DNU 150308	PU 03	US 40	6.0	M 8x1	20.5	NT 05	MT 05	HXK 4

NEW

C.-DDJN(RL) EXT

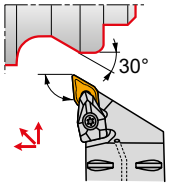
P M K N S H

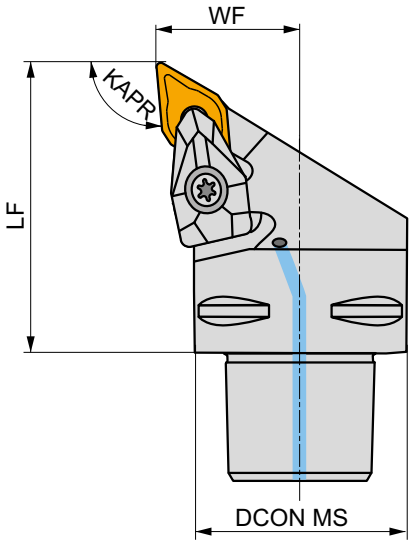
PRAMET

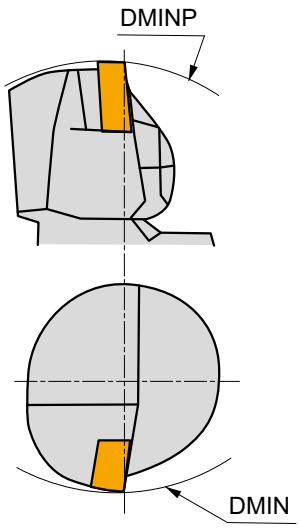
D

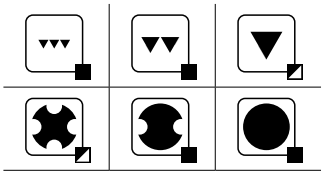
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 93°, para Plaquitas DN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 93° para torneado longitudinal con escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas DN.. 11 o 15. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	**C4-DDJNR-27050-11**	40	60	140	27	50	93	-7	-6	✓	0.38	GI046	C-DD11	–
	C4-DDJNR-27055-15	40	110	145	27	55	93	-7	-6	✓	0.43	GI044	C-DD154-1	AT002
	C5-DDJNR-35060-15	50	110	165	35	60	93	-7	-6	✓	0.72	GI044	C-DD154-2	AT002
	C6-DDJNR-45065-15	63	110	190	45	65	93	-7	-6	✓	1.18	GI044	C-DD154-3	AT002
L	**C4-DDJNL-27050-11**	40	60	140	27	50	93	-7	-6	✓	0.39	GI046	C-DD11	–
	C4-DDJNL-27055-15	40	110	145	27	55	93	-7	-6	✓	0.43	GI044	C-DD154-1	AT002
	C5-DDJNL-35060-15	50	110	165	35	60	93	-7	-6	✓	0.72	GI044	C-DD154-2	AT002
	C6-DDJNL-45065-15	63	110	190	45	65	93	-7	-6	✓	1.18	GI044	C-DD154-3	AT002

GI044	DN.. 1506..
GI046	DN.. 1104..

		Nm				
C-DD11	DCS 09	1.7	DDS 267-01	US 2004-T09P	FLAG T09P	CN 034-01
C-DD154-1	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5	CN 034-01
C-DD154-2	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5	CN 045-01
C-DD154-3	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5	CN 034-02

AT002a	DN.. 1504..	–	DDS 266-01
AT002b	CER DN.N 1506..	DCS 12C4	–
AT002c	CER DN.A 1506..	DCS 12C2	–
AT002d	CER DN.N 1504..	DCS 12C4	DDS 266-01
AT002e	CER DN.A 1504..	DCS 12C2	DDS 266-01

NEW

C.-DDNNN EXT

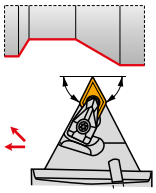
P M K N S H

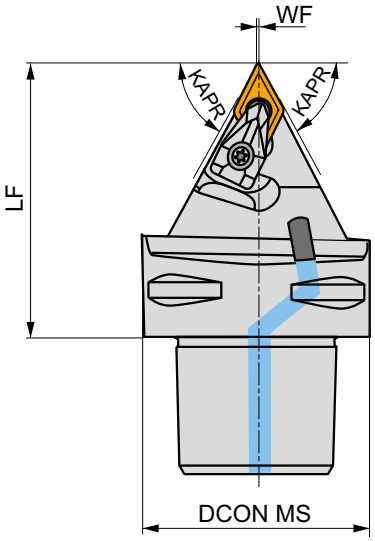
PRAMET

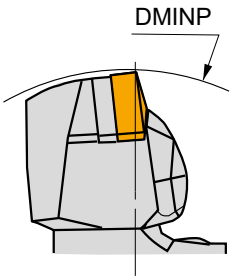
D

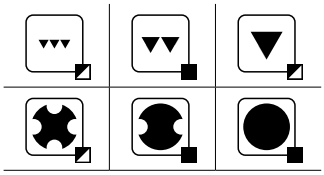
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 62,5°, para Plaquitas DN..

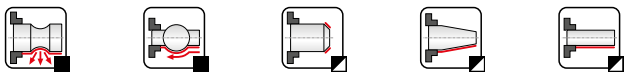
Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 62,5° para torneado longitudinal sin escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas DN.. 15. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C5 y C6. Cuerpo tratado para una vida útil más larga.











	Producto	DCON MS (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
N	**C5-DDNNN-00060-15**	50	165	0.5	60	62.5	-9	-5	✓	0.62	GI044	C-DD154-2	AT002
	C6-DDNNN-00065-15	63	190	0.5	65	62.5	-9	-5	✓	1.06	GI044	C-DD154-2	AT002

GI044	DN.. 1506..

C-DD154-2	DCS 12	3.9 Nm	DDS 266-02	US 2002-T15P	FLAG T15P/3,5	CN 045-01

AT002a	DN.. 1504..	–	DDS 266-01
AT002b	CER DN.N 1506..	DCS 12C4	–
AT002c	CER DN.A 1506..	DCS 12C2	–
AT002d	CER DN.N 1504..	DCS 12C4	DDS 266-01
AT002e	CER DN.A 1504..	DCS 12C2	DDS 266-01

NEW

C.-DDUN(RL) EXT

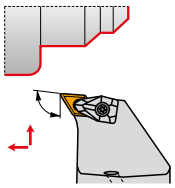
P M K N S H

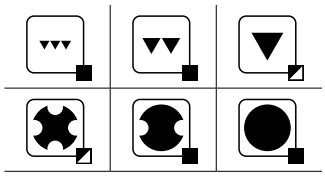
PRAMET

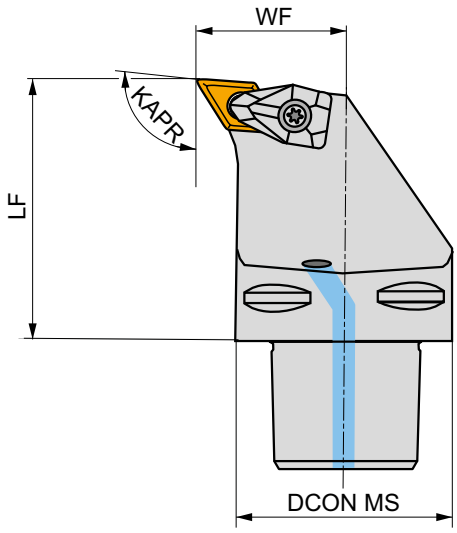
D

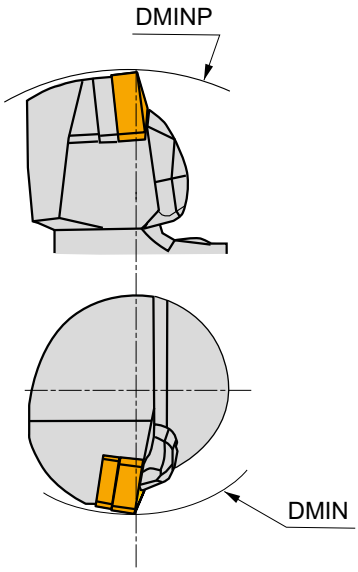
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 93° (Frontal), para Plaquitas DN..

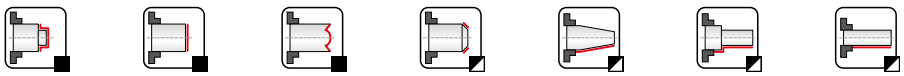
Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 93° para refrentado con escuadra, torneado en cono, copiado frontal, torneado longitudinal y achaflanado con plaquitas negativas DN.. 15. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C5 y C6. Cuerpo tratado para una vida útil más larga.











	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	**C5-DDUNR-35060-15**	50	110	165	35	60	93	-7	-6	✓	0.82	GI044	C-DD154-3	AT002
	C6-DDUNR-45065-15	63	110	190	45	65	93	-7	-6	✓	1.39	GI044	C-DD154-3	AT002
L	**C5-DDUNL-35060-15**	50	110	165	35	60	93	-7	-6	✓	0.82	GI044	C-DD154-3	AT002

GI044	DN.. 1506..

C-DD154-3	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5	CN 034-02

AT002a	DN.. 1504..	–	DDS 266-01
AT002b	CER DN.N 1506..	DCS 12C4	–
AT002c	CER DN.A 1506..	DCS 12C2	–
AT002d	CER DN.N 1504..	DCS 12C4	DDS 266-01
AT002e	CER DN.A 1504..	DCS 12C2	DDS 266-01

DDUN(RL) INT

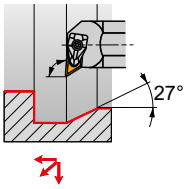
P M K N S H

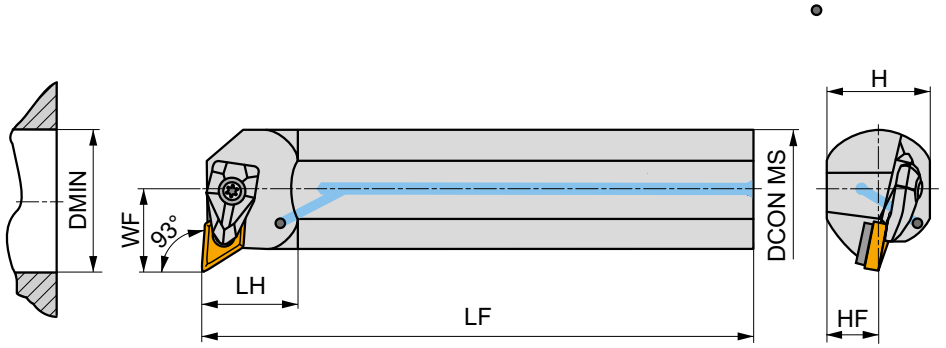
PRAMET

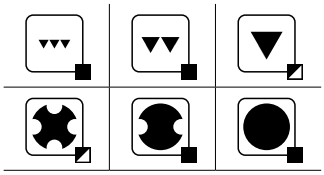
D

Portaherramientas de Interior con Fijación Doble, a 93°, para Plaquitas DN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 93° para plaquitas negativas DN.. 11 y 15. Agujero mínimo de Ø32 mm. Para una amplia gama de operaciones de torneado interior y copiado hasta 27°. Disponible con mangos de Ø25 hasta Ø50. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg			
R	A25T-DDUNR 11	25	32	17	23	11.5	300	28	-12	-6	✓	0.96	GI046	DD11	–
	A32T-DDUNR 11	32	40	22	30	15	300	30	-10	-6	✓	1.68	GI046	DD11	–
	A40T-DDUNR 15	40	50	27	37	18.5	300	36	-11	-6	✓	2.59	GI044	DD154	AT002
	A50U-DDUNR 15	50	63	35	47	23.5	350	39	-8	-6	✓	5.23	GI044	DD154	AT002
L	A25T-DDUNL 11	25	32	17	23	11.5	300	28	-12	-6	✓	0.96	GI046	DD11	–
	A32T-DDUNL 11	32	40	22	30	15	300	30	-10	-6	✓	1.69	GI046	DD11	–
	A40T-DDUNL 15	40	50	27	37	18.5	300	36	-11	-6	✓	2.59	GI044	DD154	AT002
	A50U-DDUNL 15	50	63	35	47	23.5	350	39	-8	-6	✓	5.25	GI044	DD154	AT002

GI044	DN.. 1506..
GI046	DN.. 1104..

		Nm			
DD11	DCS 09	1.7	DDS 267-01	US 2004-T09P	FLAG T09P
DD154	DCS 12	3.9	DDS 266-02	US 2002-T15P	FLAG T15P/3,5

AT002a	DN.. 1504..	–	DDS 266-01
AT002b	CER DN.N 1506..	DCS 12C4	–
AT002c	CER DN.A 1506..	DCS 12C2	–

PDUN(RL) INT

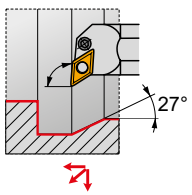
P M K N S H

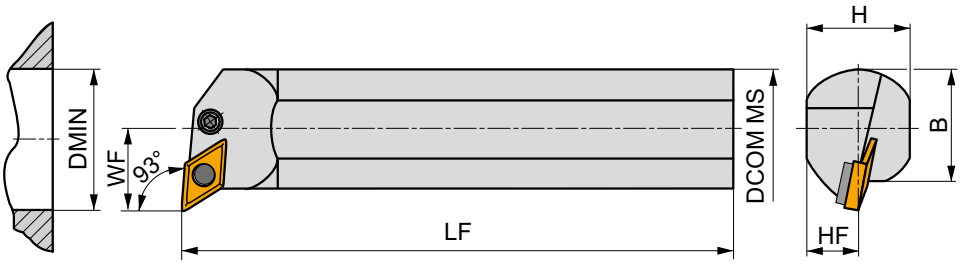
PRAMET

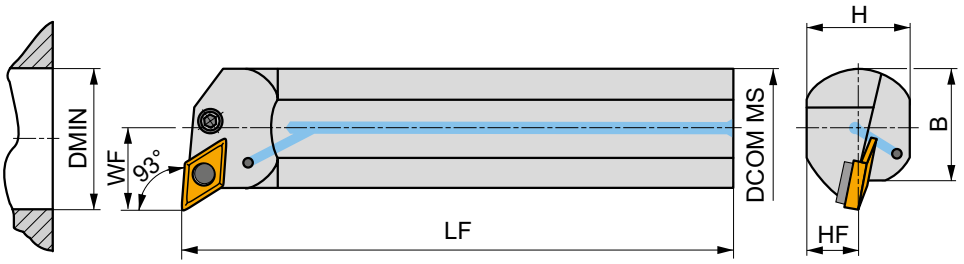
P

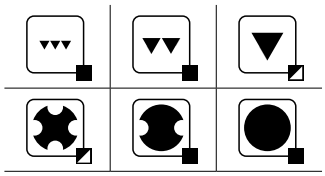
Portaherramientas de Interior con Fijación por Palanca, a 93°, para Plaquitas DN..

Portaherramientas de interior a derecha o izquierda con fijación por palanca, refrigeración interna y ángulo de posición de 93° para plaquitas negativas DN.. 11 y 15. Agujero mínimo de Ø32 mm. Para una amplia gama de operaciones de torneado interior y copiado hasta 27°. Disponible con mangos de Ø25 hasta Ø60. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	S25T-PDUNR 11-A	25	32	17	23	23	300	-12	-6	–	1.10	GI046	PD61
	S32U-PDUNR 11	32	40	22	30	30	350	-12	-6	–	2.10	GI046	PD60
	A32S-PDUNR 15	32	40	32	30	30	250	-12	-6	✓	1.47	GI097	PD33
	A40T-PDUNR 15	40	50	27	38	38	300	-12	-6	✓	2.40	GI097	PD30
	A50U-PDUNR 15	50	63	35	47	48.5	350	-12	-6	✓	4.95	GI097	PD30
	A60V-PDUNR 15	60	80	43	57	58.5	400	-12	-6	✓	8.22	GI097	PD30
L	S25T-PDUNL 11-A	25	32	17	23	23	300	-12	-6	–	1.11	GI046	PD61
	S32U-PDUNL 11	32	40	22	30	30	350	-12	-6	–	2.09	GI046	PD60
	A32S-PDUNL 15	32	40	32	30	30	250	-12	-6	✓	1.47	GI097	PD33
	A40T-PDUNL 15	40	50	27	38	38	300	-12	-6	✓	2.56	GI097	PD30
	A50U-PDUNL 15	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI097	PD30
	A60V-PDUNL 15	60	80	43	57	58.5	400	-12	-6	✓	8.16	GI097	PD30

GI046	DN.. 1104..
GI097	DN.. 1504..

				Nm					
PD30	DNU 150308	PU 03	US 36	6.0	M 8x1	26	NT 05	MT 05	HXK 4
PD33	–	PU 03-A	US 41	6.0	M 8x1	17	NT 15	MT 05	HXK 4
PD60	PDN 110308	PU 3512	PS 0616	3.0	M 6	16	NT 5153	MT 0912	HXK 2.5
PD61	–	PU 3611-A	PS 0512-A	2.0	M 5	12	–	–	HXK 2

NEW

C.-DDUN(RL) INT

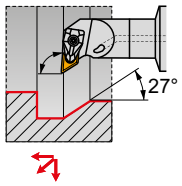
P M K N S H

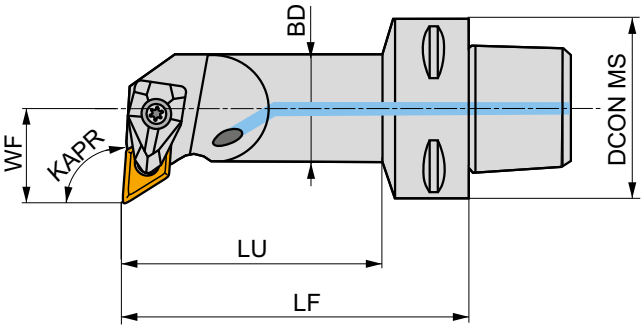
PRAMET

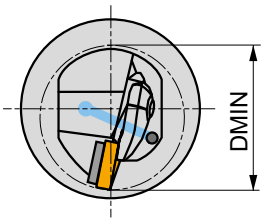
D

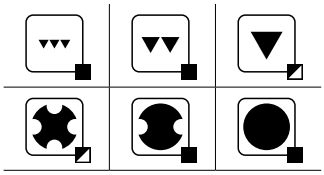
Herramienta de Interior PSC de Cambio Rapido con Fijacion Doble, a 93°, para Plaquitas DN..

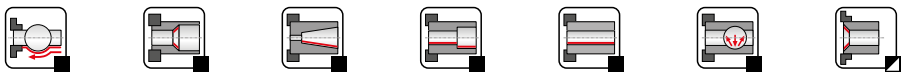
Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 93° para aplicaciones de torneado interior incluyendo copiado hasta 27° con plaquitas negativas DN.. 11. Agujero mínimo de Ø32 mm. Mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaño C4 con una longitud útil de 68 mm. Cuerpo tratado para una vida útil más larga.











	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-DDUNR-17090-11	40	32	17	90	68	25	93	-12	-6	✓	0.51	GI046	DD11
L	C4-DDUNL-17090-11	40	32	17	90	68	25	93	-12	-6	✓	0.51	GI046	DD11

GI046	DN.. 1104..

DD11	DCS 09	1.7 Nm	DDS 267-01	US 2004-T09P	FLAG T09P

KN 16

PLAQUITAS DE METAL DURO

KNUX

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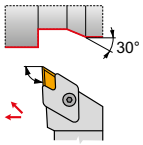
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
KNUX **16**0405L-22	CKJNR 2020 K **16**

TORNEADO ISO - EXTERIOR

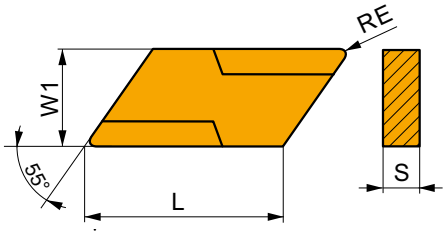
CKJN(RL) EXT

93°	KN..
	16
20×20 / 32×25	
287	284 – 286

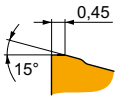
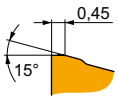
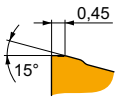
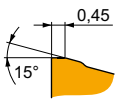
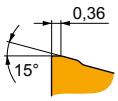
KNUX

PRAMET

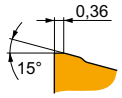
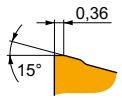
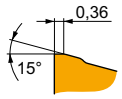
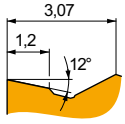
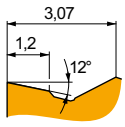
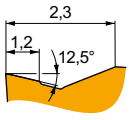
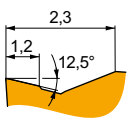
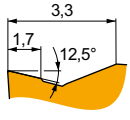
	W1 (mm)	L (mm)	S (mm)
1604	9.525	19.50	4.76



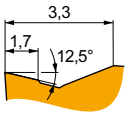
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría L-22 con diseño a izquierda para acabado a semi-desbaste con corte contínuo.																	
KNUX 160405L-22	**T5315**	0.5	◪ 190	0.25	2.7	–	–	–	◪ 180	0.25	2.7	–	–	–	–	–	–	–	–	–
	T7325	0.5	◪ 130	0.25	2.7	◪ 100	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.5	◪ 125	0.25	2.7	◪ 95	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.5	■ 155	0.25	2.7	◪ 90	0.25	2.7	◪ 145	0.25	2.7	–	–	–	–	–	–	–	–	–
	T9335	0.5	■ 135	0.25	2.7	◪ 80	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría R-22 con diseño a derecha para acabado a semi-desbaste con corte contínuo.																	
KNUX 160405R-22	**T5315**	0.5	◪ 190	0.25	2.7	–	–	–	◪ 180	0.25	2.7	–	–	–	–	–	–	–	–	–
	T7325	0.5	◪ 130	0.25	2.7	◪ 100	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.5	◪ 125	0.25	2.7	◪ 95	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.5	■ 155	0.25	2.7	◪ 90	0.25	2.7	◪ 145	0.25	2.7	–	–	–	–	–	–	–	–	–
	T9335	0.5	■ 135	0.25	2.7	◪ 80	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría L-22 con diseño a izquierda para acabado a semi-desbaste con corte contínuo.																	
KNUX 160410L-22	**T9335**	1.0	■ 155	0.32	2.7	◪ 90	0.29	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría R-22 con diseño a derecha para acabado a semi-desbaste con corte contínuo.																	
KNUX 160410R-22	**T9335**	1.0	■ 155	0.32	2.7	◪ 90	0.29	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría L-32 con diseño a izquierda para acabado a semi-desbaste con corte contínuo.																	
KNUX 160405L-32	**T5315**	0.5	◪ 190	0.25	2.7	–	–	–	◪ 180	0.25	2.7	–	–	–	–	–	–	–	–	–
	T7325	0.5	◪ 130	0.25	2.7	◪ 100	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.5	◪ 125	0.25	2.7	◪ 95	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.5	■ 155	0.25	2.7	◪ 90	0.25	2.7	◪ 145	0.25	2.7	–	–	–	–	–	–	–	–	–
	T9335	0.5	■ 135	0.25	2.7	◪ 80	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría R-32 con diseño a derecha para acabado a semi-desbaste con corte contínuo.																				
KNUX 160405R-32	**T5315**	0.5	190	0.25	2.7	–	–	–	180	0.25	2.7	–	–	–	–	–	–	–	–	–
	T7325	0.5	130	0.25	2.7	100	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.5	125	0.25	2.7	95	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.5	155	0.25	2.7	90	0.25	2.7	145	0.25	2.7	–	–	–	–	–	–	–	–	–
	T9335	0.5	135	0.25	2.7	80	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría L-32 con diseño a izquierda para acabado a semi-desbaste con corte contínuo.																				
KNUX 160410L-32	**T9325**	1.0	175	0.32	2.7	105	0.29	2.7	165	0.32	2.7	–	–	–	–	–	–	–	–	–
	T9335	1.0	155	0.32	2.7	90	0.29	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría R-32 con diseño a derecha para acabado a semi-desbaste con corte contínuo.																				
KNUX 160410R-32	**T9325**	1.0	175	0.32	2.7	105	0.29	2.7	165	0.32	2.7	–	–	–	–	–	–	–	–	–
	T9335	1.0	155	0.32	2.7	90	0.29	2.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría ER-72 con diseño a derecha para acabado y acabado fino con corte contínuo.																				
KNUX 160405ER-72	**T5315**	0.5	250	0.20	2.0	–	–	–	235	0.20	2.0	–	–	–	–	–	–	–	–	–
	T9325	0.5	215	0.20	2.0	125	0.18	2.0	200	0.20	2.0	–	–	–	45	0.16	1.6	–	–	–
	T9335	0.5	185	0.20	2.0	110	0.18	2.0	–	–	–	–	–	–	40	0.16	1.6	–	–	–
																				
Geometría EL-72 con diseño a izquierda para acabado y acabado fino con corte contínuo.																				
KNUX 160405EL-72	**T5315**	0.5	250	0.20	2.0	–	–	–	235	0.20	2.0	–	–	–	–	–	–	–	–	–
	T9325	0.5	215	0.20	2.0	125	0.18	2.0	200	0.20	2.0	–	–	–	45	0.16	1.6	–	–	–
	T9335	0.5	185	0.20	2.0	110	0.18	2.0	–	–	–	–	–	–	40	0.16	1.6	–	–	–
																				
Geometría ER-73 con diseño a derecha para acabado a semi-desbaste con corte contínuo.																				
KNUX 160405SR-73	**6640**	0.5	150	0.25	3.0	90	0.23	3.0	140	0.25	3.0	–	–	–	–	–	–	–	–	–
KNUX 160410SR-73	**6640**	1.0	150	0.40	3.0	90	0.36	3.0	140	0.40	3.0	–	–	–	–	–	–	–	–	–
	T5315	1.0	235	0.40	3.0	–	–	–	220	0.40	3.0	–	–	–	–	–	–	–	–	–
																				
Geometría EL-73 con diseño a izquierda para acabado a semi-desbaste con corte contínuo.																				
KNUX 160405SL-73	**6640**	0.5	150	0.25	3.0	90	0.23	3.0	140	0.25	3.0	–	–	–	–	–	–	–	–	–
KNUX 160410SL-73	**6640**	1.0	150	0.40	3.0	90	0.36	3.0	140	0.40	3.0	–	–	–	–	–	–	–	–	–
																				
Geometría ER-74 con diseño a derecha para acabado a desbaste con corte contínuo.																				
KNUX 160415SR-74	**6640**	1.5	155	0.45	3.0	90	0.41	3.0	145	0.45	3.0	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría EL-74 con diseño a izquierda para acabado a desbaste con corte contínuo.																	
KNUX 160415SL-74	**6640**	1.5	155	0.45	3.0	90	0.41	3.0	145	0.45	3.0	–	–	–	–	–	–	–	–	–

CKJN(RL) EXT

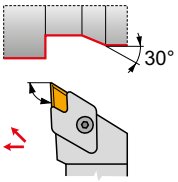
P M K N S H

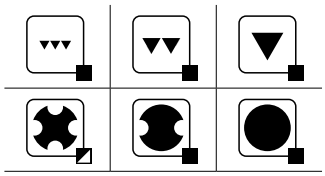
PRAMET

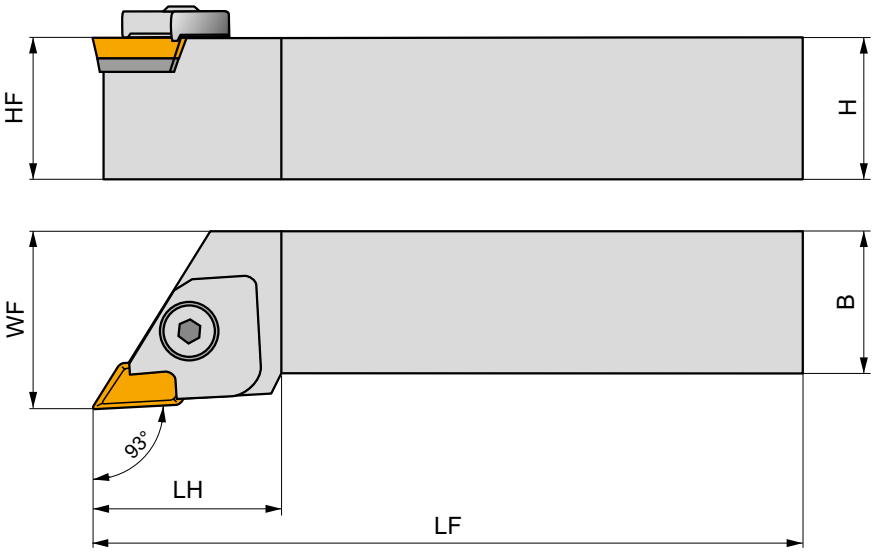
C

Portaherramientas de Torneado Exterior con Fijación por Brida Superior, a 93°, para Plaquitas KN..

Portaherramientas de exterior a derecha o izquierda con fijación por brida superior y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 30° y achaflanado con plaquitas negativas KN..16. Disponible con mangos de 20x20 hasta 32x25. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**CKJNR 2020 K 16**	20	20	20	30	125	34	1	-5	0.43	GI066	R1
	CKJNR 2525 M 16	25	25	25	32	150	34	1	-5	0.70	GI066	R
	CKJNR 3225 P 16	32	25	32	32	170	34	1	-5	1.05	GI066	R
L	**CKJNL 2020 K 16**	20	20	20	30	125	34	1	-5	0.43	GI067	L1
	CKJNL 2525 M 16	25	25	25	32	150	34	1	-5	0.74	GI067	L
	CKJNL 3225 P 16	32	25	32	32	170	34	1	-5	1.06	GI067	L

GI066	KN.X 1604…R
GI067	KN.X 1604…L

						Nm			
L	KNN 190412L	NT 03	–	UP 26	US 83	6.0	PR 07	K 23	HXK 4
L1	KNN 190412L	NT 03	–	UP 26	US 83	6.0	PR 07	K 22	HXK 4
R	KNN 190412R	NT 03	UP 25	–	US 83	6.0	PR 07	K 23	HXK 4
R1	KNN 190412R	NT 03	UP 25	–	US 83	6.0	PR 07	K 22	HXK 4

LN 40/ 50

PLAQUITAS DE METAL DURO

LNUX 40, LN.X 50

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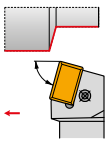
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
LNUX **40**-1129003	KHP-LBNR **40**-A

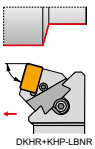
TORNEADO ISO - EXTERIOR

PLBN(RL) EXT

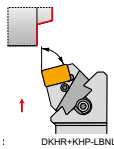
75°	LN..
	40 50
60×60	
290	289

TORNEADO ISO - DESBASTE PESADO - EXTERIOR

KHP-LBNR + DKH(RL)

75°	LN..
 DKHR+KHP-LBNR	40
40×50 60×80	
291, 292	289

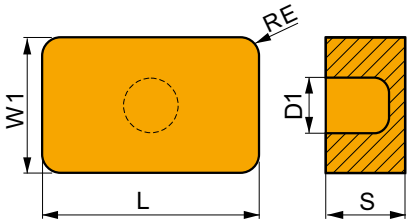
KHP-LBNL + DKH(RL)

75°	LN..
 DKHR+KHP-LBNL	40
40×50 60×80	
291, 292	289

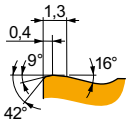
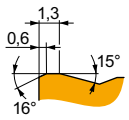
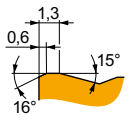
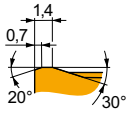
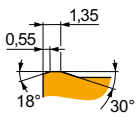
LNUX 40, LN.X 50

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
40-1	25.200	9.30	40.00	14.00
50-1	25.400	9.30	50.80	14.00
50-2	25.400	6.45	50.80	14.00
5014	25.400	6.35	50.80	14.00



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			Para desbaste pesado con corte contínuo a interrumpido.																	
LNUX 40-1129002	**T9226**	3.2	45	1.35	25.0	–	–	–	40	1.35	25.0	–	–	–	–	–	–	–	–	–
	T9325	3.2	55	1.35	25.0	–	–	–	50	1.35	25.0	–	–	–	–	–	–	–	–	–
	T9335	3.2	40	1.35	25.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Para desbaste pesado con corte contínuo a interrumpido.																	
LNUX 40-1129003	**T9226**	3.2	45	1.35	25.0	–	–	–	40	1.35	25.0	–	–	–	–	–	–	–	–	–
	T9325	3.2	55	1.35	25.0	–	–	–	50	1.35	25.0	–	–	–	–	–	–	–	–	–
	T9335	3.2	40	1.35	25.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Para desbaste pesado con corte contínuo a interrumpido.																	
LNUX 50-1275000	**T9226**	3.2	45	1.35	25.0	–	–	–	40	1.35	25.0	–	–	–	–	–	–	–	–	–
	T9325	3.2	55	1.35	25.0	–	–	–	50	1.35	25.0	–	–	–	–	–	–	–	–	–
			Diseño para desbaste pesado y corte continuo a muy interrumpido.																	
LNMX 501432E	**T9335**	3.2	45	1.50	25.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Para desbaste pesado con corte contínuo a interrumpido.																	
LNMX 50-2284000	**T9315**	3.2	60	1.50	25.0	–	–	–	55	1.50	25.0	–	–	–	–	–	–	–	–	–

PLBN(RL) EXT

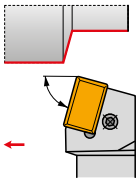
P M K

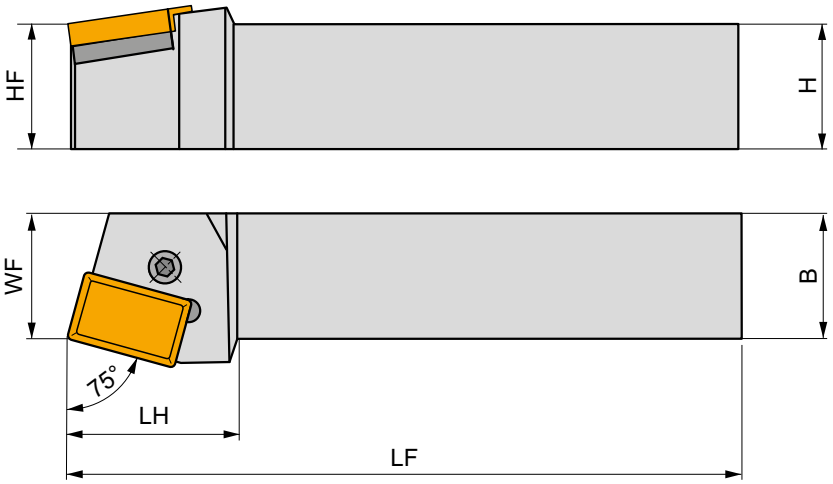
PRAMET

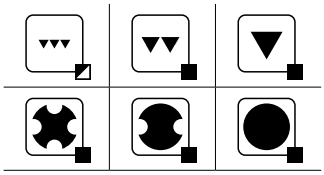
P

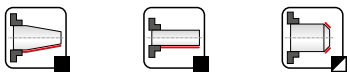
Portaherramientas de Torneado Pesado Exterior con Fijación por Palanca, a 75°, para Plaquitas LNUX

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 75°. Adecuado para torneado sin escuadra, torneado en cono y achaflanado con plaquitas negativas LN.. 40 y 50. Disponible con mango de 60x60 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**PLBNR 6060 V 40-A**	60	60	60	60	400	64	-6	-6	13.00	GI102	PL71
	PLBNR 6060 V 50	60	60	60	60	400	70	-6	-6	12.75	GI145	PL72
	PLBNR 6060 V 50-2	60	60	60	60	400	70	-6	-6	11.60	GI291	PL73
L	**PLBNL 6060 V 40-A**	60	60	60	60	400	64	-6	-6	11.14	GI102	PL71
	PLBNL 6060 V 50	60	60	60	60	400	70	-6	-6	13.09	GI145	PL72

GI102	LNUX 40....
GI145	LNUX 50....
GI291	LNMX 50....

				Nm							
PL71	LNX 400632	PU 06	PS 12040	8.0	M 12x1	40	NT 08	MT 08	HXK 5	–	–
PL72	LNX 500632	PU 06	PS 12040	8.0	M 12x1	40	NT 08	MT 08	HXK 5	–	–
PL73	LNX 500432P	–	–	–	–	–	–	–	–	UP 1515A-T15P	SDR T15P

KHP-LBN(RL)

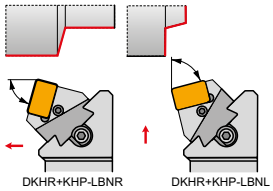
P M K

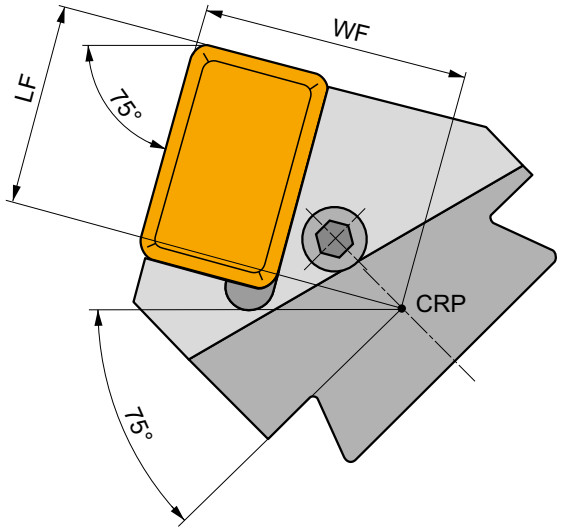
PRAMET

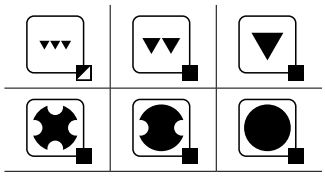
P

Cartucho para Torneado Pesado KHP, Fijación por Palanca y Ángulo de Posición 75° para Plaquita LNUX

Cartucho para torneado pesado con fijación por palanca a derecha o izquierda, con ángulo de posición de 75° , para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado longitudinal sin escuadra, torneado cónico y achaflanado con plaquitas negativas LNUX 40. Portaherramientas tratado para una vida útil más larga.







	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
L	**KHP-LBNR 40-A**	48	36	-6	-6	1.50	GI102	PL71
	KHP-LBNL 40-A	48	36	-6	-6	1.47	GI102	PL71

GI102	LNUX 40....

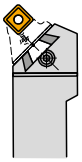
PL71	LNX 400632	PU 06	PS 12040	8.0 Nm	M 12x1	40	NT 08	MT 08	HXK 5

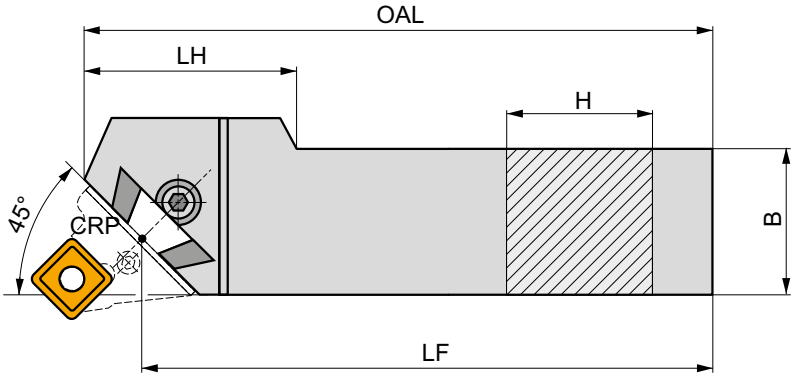
DKH(RL)

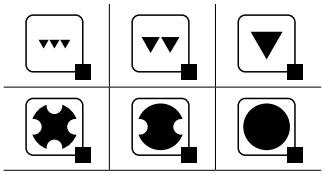
PRAMET

Portaherramientas de Exterior para Cartuchos de Torneado Pesado KHP/KHS

Portaherramientas modular a derecha o izquierda, para montaje con cola de milano de cartuchos KHP/KHS. Disponibles con mangos desde tamaño 40x50 hasta 60x80. Portaherramientas tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	LF (mm)	OAL (mm)	LH (mm)	kg		
R	**DKHR 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHR 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHR 6080 W-A	60	80	450	485	90	19.65	GI098	DKH10
L	**DKHL 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHL 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHL 6080 W-A	60	80	450	485	90	19.28	GI098	DKH10

GI098	KHP	KHS

DKH10	SR 14	HXK 10

RN

09/ 12/ 15/ 19/ 25

PLAQUITAS DE METAL DURO

RNMG

294

PLAQUITAS CER

RNGN CER

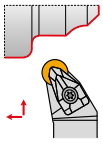
294

ENCONTRAR EL TAMANO CORRECTO (ejemplo)

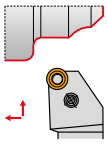
Plaquita	Portaherramientas
RNMG 120400E-08	DRSNR 2525 M 12

TORNEADO ISO - EXTERIOR

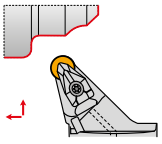
DRSN(RL) EXT

	RN..
	12
25×25	
295	294

PRSN(RL) EXT

	RN..
	12 15 19
25×25 40×40	
296	294

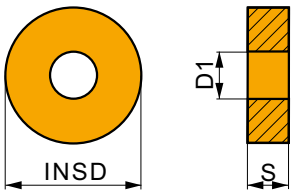
C.-DRSN(RL) EXT NEW

	RN..
	12
C6	
297	294

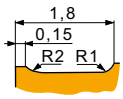
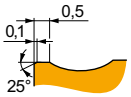
RNMG

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1204	12.700	5.16	4.76
1506	15.875	6.35	6.35
1906	19.050	7.94	6.35
2509	25.400	9.12	9.53



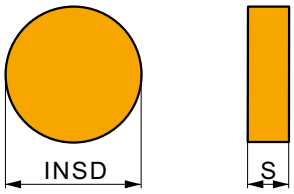
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HFC S																	
Geometría 08 para semi-desbaste a desbaste pesado con corte contínuo a interrumpido.																				
RNMG 120400E-08	**T5305**	–	195	0.70	3.0	–	–	–	185	0.70	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9315	–	150	0.70	3.0	–	–	–	140	0.70	3.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	–	135	0.70	3.0	–	–	–	125	0.70	3.0	–	–	–	–	–	–	–	–	–
RNMG 150600E-08	**T5305**	–	295	0.70	3.0	–	–	–	280	0.70	3.0	–	–	–	–	–	–	55	0.15	1.0
	T9315	–	225	0.70	3.0	–	–	–	210	0.70	3.0	–	–	–	–	–	–	45	0.15	1.0
	T9325	–	205	0.70	3.0	–	–	–	190	0.70	3.0	–	–	–	–	–	–	–	–	–
RNMG 190600E-08	**T9315**	–	150	0.70	3.0	–	–	–	140	0.70	3.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	–	135	0.70	3.0	–	–	–	125	0.70	3.0	–	–	–	–	–	–	–	–	–
			HFC P																	
Geometría 081 para desbaste a desbaste pesado con corte contínuo a interrumpido.																				
RNMG 250900E-081	**T9315**	–	145	0.90	5.0	–	–	–	135	0.90	5.0	–	–	–	–	–	–	25	0.15	1.0
	T9325	–	130	0.90	5.0	–	–	–	120	0.90	5.0	–	–	–	–	–	–	–	–	–

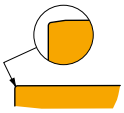
RNGN CER

PRAMET

	INSD (mm)	S (mm)
0903	9.525	3.18
1204	12.700	4.76
1207	12.700	7.94



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC T																	
Para mecanizado con altas velocidades y corte contínuo.																				
RNGN 090300 T01020	**TC100**	–	–	–	–	–	–	–	460	0.20	1.2	–	–	–	–	–	–	–	–	–
RNGN 120400 T01020	**TC100**	–	–	–	–	–	–	–	455	0.20	1.5	–	–	–	–	–	–	–	–	–
RNGN 120700 T01020	**TC100**	–	–	–	–	–	–	–	455	0.20	1.5	–	–	–	–	–	–	–	–	–
RNGN 120700 T15015	**TC100**	–	–	–	–	–	–	–	455	0.20	1.5	–	–	–	–	–	–	–	–	–

DRSN(RL) EXT

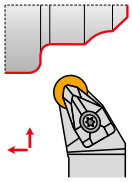
P M K H

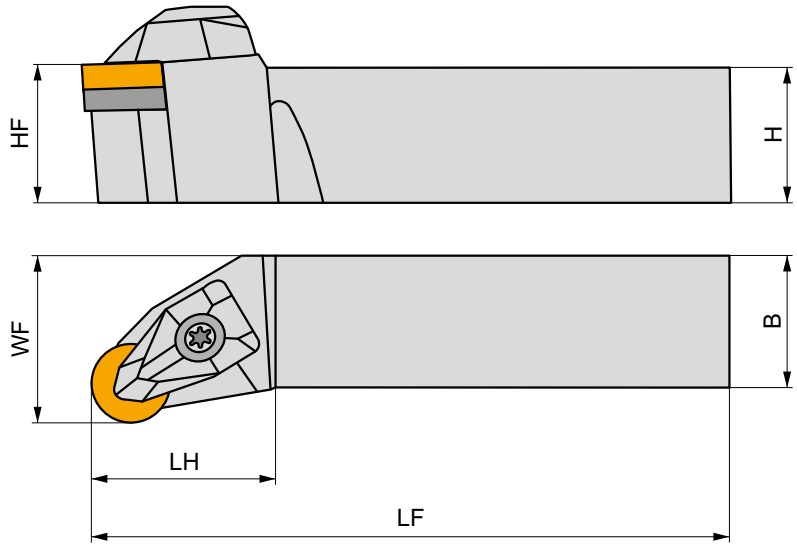
PRAMET

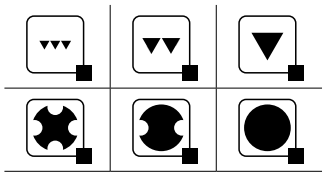
D

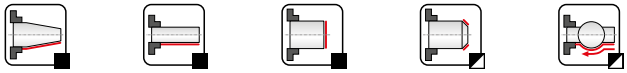
Portaherramientas de Exterior con Fijación Doble para Plaquitas RN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble. Adecuado para torneado longitudinal sin escuadra, torneado en cono, copiado y achaflanado con plaquitas redondas negativas RN.. 12. Disponible con mango de 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	DRSNR 2525 M 12	25	25	25	32	150	31.6	-6	-6	0.74	GI083	DR12
L	DRSNL 2525 M 12	25	25	25	32	150	31.6	-6	-6	0.75	GI083	DR12

GI083	RN.. 120400

DR12	DCS 12	3.9	DRS 155-02	US 2002-T15P	FLAG T15P/3,5

PRSN(RL) EXT

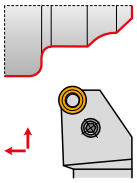
P M K H

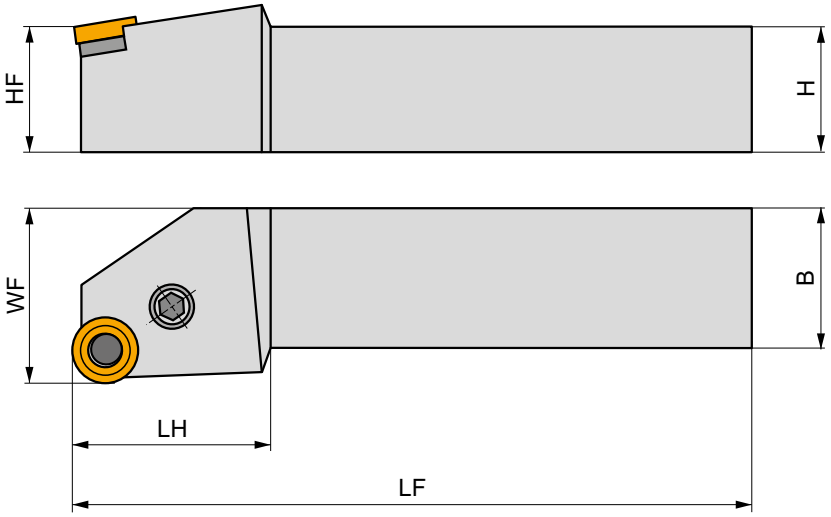
PRAMET

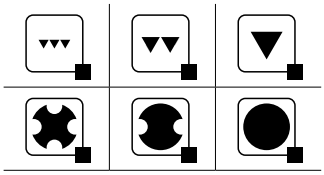
P

Portaherramientas de Exterior con Fijación por Palanca para Plaquitas RN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca. Adecuado para torneado longitudinal, torneado en cono, copiado hasta 90° y achaflanado con plaquitas redondas negativas RN.. 12, 15 y 19. Disponible con mangos de 25x25 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PRSNR 2525 M 12	25	25	25	32	150	32	-6	-6	0.68	GI083	PR20
	PRSNR 3232 P 15	32	32	32	40	170	38	-6	-6	1.40	GI105	PR40
	PRSNR 4040 R 19	40	40	40	50	200	40	-6	-6	2.49	GI106	PR50
L	PRSNL 2525 M 12	25	25	25	32	150	32	-6	-6	0.74	GI083	PR20
	PRSNL 3232 P 15	32	32	32	40	170	38	-6	-6	1.40	GI105	PR40
	PRSNL 4040 R 19	40	40	40	50	200	40	-6	-6	2.48	GI106	PR50

GI083	RN.. 120400
GI105	RN.. 150600
GI106	RN.. 190600

				Nm					
PR20	RNU 120300	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PR40	RNU 150300	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PR50	RNU 190400	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5

NEW

C.-DRSN(RL) EXT

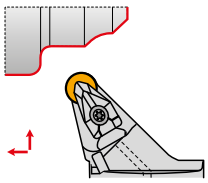
P M K H

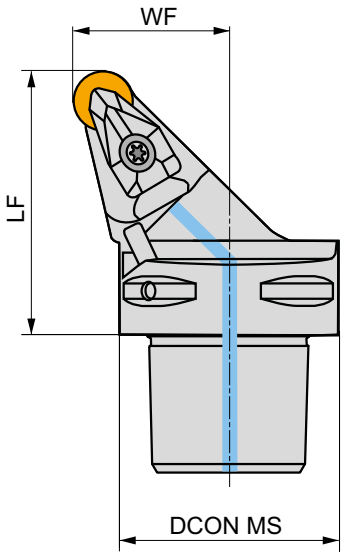
PRAMET

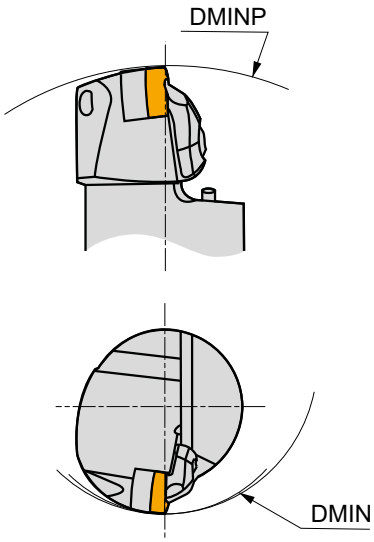
D

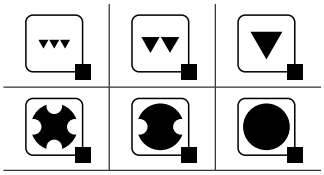
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble para Plaquitas RN..

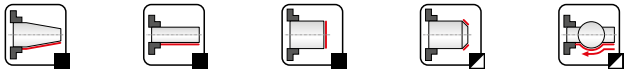
Portaherramientas de exterior a derecha o izquierda, con fijación doble y refrigeración interna para torneado longitudinal sin escuadra, torneado en cono, copiado y achaflanado con plaquitas redondas negativas RN.. 12. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaño C6. Cuerpo tratado para una vida útil más larga.











	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg			
R	C6-DRSNR-45065-12	63	110	190	45	65	-6	-6	✓	1.11	GI083	C-DR12	–
L	C6-DRSNL-45065-12	63	110	190	45	65	-6	-6	✓	1.10	GI083	C-DR12	–

GI083	RN.. 120400

C-DR12	DCS 12	3.9 Nm	DRS 155-02	US 2002-T15P	FLAG T15P/3,5	CN 045-01

SN

09/ 12/ 15/ 19/ 25

PLAQUITAS DE METAL DURO

SNMA

300

SNMG

301

SNMM

307

SNMX

311

PLAQUITAS CER

SNGA CER

311

SNGN CER

312

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
SNMG **19**0616E-RM	DSDNN 3232 P **19**

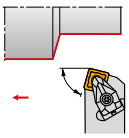
TORNEADO ISO - EXTERIOR

DSBN(RL) EXT

75°

SN..

12
15
19



20×20
40×40

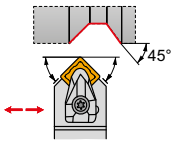
313 | 300 – 312

DSDNN EXT

45°

SN..

12
15
19
25



20×20
40×40

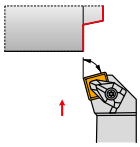
315 | 300 – 312

DSKN(RL) EXT

75°

SN..

12
19



25×25
32×32

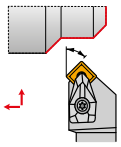
316 | 300 – 312

DSSN(RL) EXT

45°

SN..

12
15
19



20×20
40×40

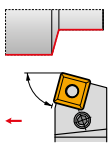
317 | 300 – 312

PSBN(RL) EXT

75°

SN..

12
15
19
25



20×20
50×50

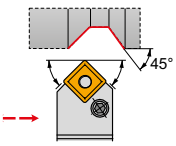
318 | 300 – 312

PSDNN EXT

45°

SN..

12
15
19
25



20×20
50×50

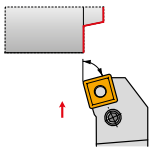
320 | 300 – 312

PSKN(RL) EXT

75°

SN..

12
15
19
25



20×20
50×50

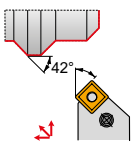
321 | 300 – 312

PSSN(RL) EXT

45°

SN..

19
25



40×40
50×50

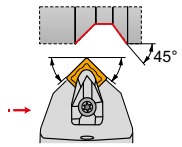
323 | 300 – 312

SN

09/ 12/ 15/ 19/ 25

C.-DSDNN EXT NEW

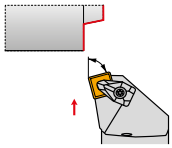
45°



SN..	
	12
	19
C4 / C6	
324	300 – 312

C.-DSKN(RL) EXT NEW

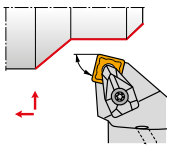
75°



SN..	
	12
C4	
325	300 – 312

C.-DSRN(RL) EXT NEW

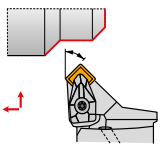
75°



SN..	
	12
	19
C4 / C6	
326	300 – 312

C.-DSSN(RL) EXT NEW

45°

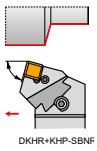


SN..	
	12
C4 / C5	
327	300 – 312

TORNEADO ISO - DESBASTE PESADO - EXTERIOR

KHP-SBNR + DKH(RL)

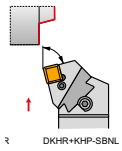
75°



SN..	
	25
40×50 / 60×80	
328, 330	300 – 312

KHP-SBNL + DKH(RL)

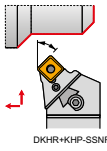
75°



SN..	
	25
40×50 / 60×80	
328, 330	300 – 312

KHP-SSNR/L + DKH(RL)

45°

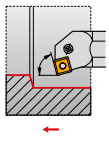


SN..	
	19
	25
40×50 / 60×80	
329, 330	300 – 312

TORNEADO ISO - INTERIOR

PSKN(RL) INT

93°

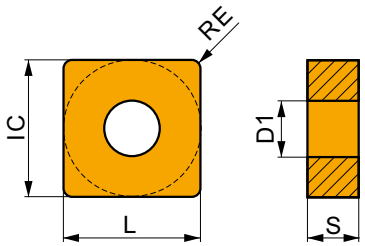


SN..	
	11
	15
ØDmin 32 / 80	
331	300 – 312

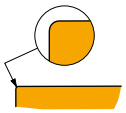
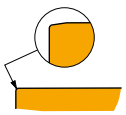
SNMA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.70	4.76
1506	15.875	6.35	15.875	6.35
1906	19.050	7.94	19.05	6.35
2507	25.400	9.12	25.40	7.94
2509	25.400	9.12	25.40	9.525



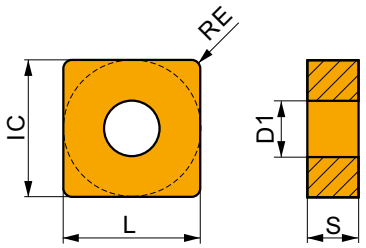
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
SNMA 120408	**T5305**	0.8	–	–	–	–	–	–	230	0.20	4.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	200	0.20	4.0	–	–	–	–	–	–	40	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	100	0.20	4.0	–	–	–	–	–	–	25	0.15	1.0
SNMA 120412	**T5305**	1.2	–	–	–	–	–	–	205	0.30	4.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	190	0.30	4.0	–	–	–	–	–	–	40	0.15	1.0
SNMA 150612	**T5305**	1.2	–	–	–	–	–	–	200	0.30	5.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	185	0.30	5.0	–	–	–	–	–	–	35	0.15	1.0
SNMA 190612	**T5305**	1.2	–	–	–	–	–	–	195	0.30	6.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	180	0.30	6.0	–	–	–	–	–	–	35	0.15	1.0
SNMA 190616	**T5305**	1.6	–	–	–	–	–	–	190	0.40	6.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.6	–	–	–	–	–	–	170	0.40	6.0	–	–	–	–	–	–	35	0.15	1.0
SNMA 250724	**T5305**	2.4	–	–	–	–	–	–	95	0.60	8.0	–	–	–	–	–	–	20	0.15	1.0
	T5315	2.4	–	–	–	–	–	–	90	0.60	8.0	–	–	–	–	–	–	15	0.15	1.0
SNMA 250924	**T5305**	2.4	–	–	–	–	–	–	95	0.60	8.0	–	–	–	–	–	–	20	0.15	1.0
	T5315	2.4	–	–	–	–	–	–	90	0.60	8.0	–	–	–	–	–	–	15	0.15	1.0
																				
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
SNMA 120412S	**T5305**	1.2	–	–	–	–	–	–	205	0.30	4.0	–	–	–	–	–	–	40	0.15	1.0
SNMA 190616S	**T5305**	1.6	–	–	–	–	–	–	195	0.30	6.0	–	–	–	–	–	–	40	0.15	1.0
SNMA 250724S	**T5305**	2.4	–	–	–	–	–	–	95	0.60	8.0	–	–	–	–	–	–	20	0.15	1.0
SNMA 250924S	**T5305**	2.4	–	–	–	–	–	–	95	0.60	8.0	–	–	–	–	–	–	20	0.15	1.0

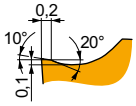
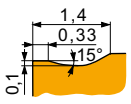
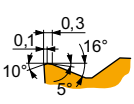
SNMG

PRAMET

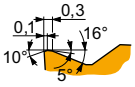
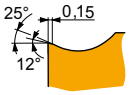
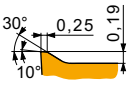
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.70	4.76
1506	15.875	6.35	15.875	6.35
1906	19.050	7.94	19.05	6.35
2507	25.400	9.12	25.40	7.94
2509	25.400	9.12	25.40	9.525



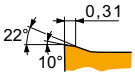
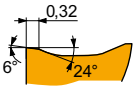
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
SNMG 120404E-FM	**T6310**	0.4	175	0.20	2.1	125	0.18	2.1	140	0.20	2.1	–	–	–	50	0.14	1.7	–	–	–
	T7325	0.4	195	0.20	2.1	150	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T8315	0.4	180	0.20	2.1	105	0.18	2.1	170	0.20	2.1	–	–	–	45	0.14	1.7	–	–	–
	T8330	0.4	175	0.20	2.1	105	0.18	2.1	165	0.20	2.1	–	–	–	40	0.14	1.7	–	–	–
	T8430	0.4	195	0.20	2.1	105	0.18	2.1	160	0.20	2.1	–	–	–	40	0.14	1.7	–	–	–
	T9315	0.4	270	0.20	2.1	–	–	–	255	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.20	2.1	140	0.18	2.1	225	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
SNMG 120408E-FM	**T7325**	0.8	235	0.20	2.1	180	0.18	2.1	–	–	–	–	–	–	75	0.16	1.7	–	–	–
	T8315	0.8	215	0.20	2.1	125	0.18	2.1	200	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
	T8330	0.8	205	0.20	2.1	120	0.18	2.1	190	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
	T8430	0.8	235	0.20	2.1	125	0.18	2.1	190	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
	T9310	0.8	355	0.20	2.1	–	–	–	335	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9315	0.8	320	0.20	2.1	–	–	–	300	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.8	290	0.20	2.1	170	0.18	2.1	275	0.20	2.1	–	–	–	65	0.16	1.7	–	–	–
SNMG 120412E-FM	**T8330**	1.2	200	0.27	2.1	120	0.24	2.1	190	0.27	2.1	–	–	–	50	0.19	1.7	–	–	–
	T8430	1.2	220	0.27	2.1	120	0.24	2.1	180	0.27	2.1	–	–	–	45	0.19	1.7	–	–	–
	T9315	1.2	300	0.27	2.1	–	–	–	285	0.27	2.1	–	–	–	–	–	–	–	–	–
	T9325	1.2	270	0.27	2.1	160	0.24	2.1	255	0.27	2.1	–	–	–	60	0.19	1.7	–	–	–
SNMG 120416E-FM	**T8330**	1.6	200	0.32	2.1	120	0.29	2.1	190	0.32	2.1	–	–	–	50	0.22	1.7	–	–	–
	T8430	1.6	220	0.32	2.1	120	0.29	2.1	180	0.32	2.1	–	–	–	45	0.22	1.7	–	–	–
	T9325	1.6	260	0.32	2.1	155	0.29	2.1	245	0.32	2.1	–	–	–	55	0.22	1.7	–	–	–
																				
			Geometría KR para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
SNMG 120408E-KR	**T5305**	0.8	265	0.35	3.8	–	–	–	250	0.35	3.8	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.8	235	0.35	3.8	–	–	–	220	0.35	3.8	–	–	–	–	–	–	45	0.15	1.0
SNMG 120412E-KR	**T5305**	1.2	265	0.40	3.8	–	–	–	250	0.40	3.8	–	–	–	–	–	–	50	0.15	1.0
	T5315	1.2	240	0.40	3.8	–	–	–	225	0.40	3.8	–	–	–	–	–	–	45	0.15	1.0
																				
			Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																	
SNMG 120408E-M	**T5305**	0.8	290	0.32	2.1	–	–	–	275	0.32	2.1	–	–	–	–	–	–	55	0.15	1.0
	T5315	0.8	260	0.32	2.1	–	–	–	245	0.32	2.1	–	–	–	–	–	–	50	0.15	1.0
	T9310	0.8	255	0.32	2.1	–	–	–	240	0.32	2.1	–	–	–	–	–	–	50	0.15	1.0
	T9315	0.8	235	0.32	2.1	–	–	–	220	0.32	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	210	0.32	2.1	–	–	–	195	0.32	2.1	–	–	–	–	–	–	–	–	–
	T9335	0.8	185	0.32	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

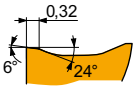
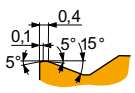
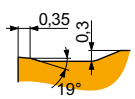
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																				
SNMG 120412E-M	**T9315**	1.2	■ 230	0.40	2.1	–	–	–	◪ 215	0.40	2.1	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	1.2	■ 200	0.40	2.1	–	–	–	◪ 190	0.40	2.1	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 175	0.40	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 120416E-M	**T9325**	1.6	■ 210	0.40	2.1	–	–	–	◪ 195	0.40	2.1	–	–	–	–	–	–	–	–	–
SNMG 150612E-M	**T9315**	1.2	■ 220	0.40	3.4	–	–	–	◪ 205	0.40	3.4	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	1.2	■ 195	0.40	3.4	–	–	–	◪ 185	0.40	3.4	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 170	0.40	3.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 190612E-M	**T9315**	1.2	■ 215	0.40	4.0	–	–	–	◪ 200	0.40	4.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	1.2	■ 190	0.40	4.0	–	–	–	◪ 180	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 165	0.40	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 190616E-M	**T9315**	1.6	■ 225	0.40	4.0	–	–	–	◪ 210	0.40	4.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	1.6	■ 200	0.40	4.0	–	–	–	◪ 190	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	■ 175	0.40	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																				
SNMG 120404E-NF	**T6310**	0.4	■ 185	0.17	1.7	■ 130	0.15	1.7	◪ 145	0.17	1.7	◪ 555	0.20	1.7	◪ 55	0.14	1.4	–	–	–
	T7325	0.4	◪ 210	0.18	1.7	■ 160	0.16	1.7	–	–	–	–	–	–	◪ 65	0.16	1.4	–	–	–
	T7335	0.4	◪ 205	0.18	1.7	■ 155	0.16	1.7	–	–	–	–	–	–	◪ 65	0.16	1.4	–	–	–
	T8330	0.4	■ 185	0.17	1.7	■ 110	0.15	1.7	◪ 175	0.17	1.7	◪ 555	0.20	1.7	◪ 45	0.14	1.4	–	–	–
	T8430	0.4	■ 210	0.17	1.7	■ 115	0.15	1.7	◪ 175	0.17	1.7	◪ 585	0.20	1.7	◪ 45	0.14	1.4	–	–	–
	T9315	0.4	■ 300	0.17	1.7	–	–	–	◪ 285	0.17	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 260	0.18	1.7	■ 155	0.16	1.7	◪ 245	0.18	1.7	–	–	–	◪ 55	0.16	1.4	–	–	–
SNMG 120408E-NF	**HF7**	0.8	–	–	–	◪ 120	0.17	1.7	◪ 190	0.19	1.7	◪ 600	0.23	1.7	–	–	–	–	–	–
	T6310	0.8	■ 210	0.19	1.7	■ 150	0.17	1.7	◪ 165	0.19	1.7	◪ 630	0.23	1.7	◪ 60	0.15	1.4	–	–	–
	T7325	0.8	◪ 245	0.19	1.7	■ 190	0.17	1.7	–	–	–	–	–	–	◪ 75	0.15	1.4	–	–	–
	T7335	0.8	◪ 240	0.19	1.7	■ 185	0.17	1.7	–	–	–	–	–	–	◪ 75	0.15	1.4	–	–	–
	T8315	0.8	◪ 230	0.19	1.7	■ 135	0.17	1.7	◪ 215	0.19	1.7	◪ 690	0.23	1.7	◪ 55	0.15	1.4	–	–	–
	T8330	0.8	■ 210	0.19	1.7	■ 125	0.17	1.7	◪ 195	0.19	1.7	◪ 630	0.23	1.7	◪ 50	0.15	1.4	–	–	–
	T8430	0.8	■ 250	0.19	1.7	■ 135	0.17	1.7	◪ 205	0.19	1.7	◪ 690	0.23	1.7	◪ 50	0.15	1.4	–	–	–
	T9315	0.8	■ 340	0.19	1.7	–	–	–	◪ 320	0.19	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 300	0.19	1.7	■ 180	0.17	1.7	◪ 285	0.19	1.7	–	–	–	◪ 65	0.15	1.4	–	–	–
																				
Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																				
SNMG 120408E-NM	**T7325**	0.8	◪ 225	0.25	2.1	■ 175	0.23	2.1	–	–	–	–	–	–	■ 70	0.20	1.7	–	–	–
	T7335	0.8	◪ 220	0.25	2.1	■ 170	0.23	2.1	–	–	–	–	–	–	■ 70	0.20	1.7	–	–	–
	T8315	0.8	◪ 215	0.25	2.1	■ 125	0.23	2.1	–	–	–	◪ 645	0.30	2.1	◪ 50	0.20	1.7	–	–	–
	T8330	0.8	■ 205	0.25	2.1	■ 120	0.23	2.1	–	–	–	◪ 615	0.30	2.1	◪ 50	0.20	1.7	–	–	–
	T8430	0.8	■ 225	0.25	2.1	■ 120	0.23	2.1	–	–	–	◪ 615	0.30	2.1	◪ 45	0.20	1.7	–	–	–
	T9325	0.8	■ 275	0.25	2.1	■ 165	0.23	2.1	–	–	–	–	–	–	◪ 60	0.20	1.7	–	–	–
SNMG 120412E-NM	**T7325**	1.2	◪ 225	0.30	2.1	■ 175	0.27	2.1	–	–	–	–	–	–	■ 70	0.24	1.7	–	–	–
	T7335	1.2	◪ 220	0.30	2.1	■ 170	0.27	2.1	–	–	–	–	–	–	■ 70	0.24	1.7	–	–	–
	T8315	1.2	◪ 215	0.30	2.1	■ 125	0.27	2.1	–	–	–	◪ 645	0.36	2.1	◪ 50	0.24	1.7	–	–	–
	T9325	1.2	■ 270	0.30	2.1	■ 160	0.27	2.1	–	–	–	–	–	–	◪ 60	0.24	1.7	–	–	–

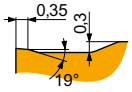
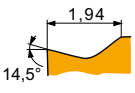
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																				
SNMG 120408E-NMR	**T6310**	0.8	■	155	0.35	2.6	■	110	0.32	2.6	–	–	–	–	–	–	■	45	0.25	2.1	–	–	–
	T7325	0.8	◪	175	0.35	2.6	■	135	0.32	2.6	–	–	–	–	–	–	■	55	0.25	2.1	–	–	–
	T7335	0.8	◪	165	0.35	2.6	■	125	0.32	2.6	–	–	–	–	–	–	■	50	0.25	2.1	–	–	–
	T8330	0.8	■	155	0.35	2.6	■	90	0.32	2.6	–	–	–	–	–	–	◪	35	0.25	2.1	–	–	–
	T8430	0.8	■	165	0.35	2.6	■	90	0.32	2.6	–	–	–	–	–	–	◪	35	0.25	2.1	–	–	–
	T9315	0.8	■	225	0.35	2.6		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
	T9325	0.8	■	200	0.35	2.6	■	120	0.32	2.6	–	–	–	–	–	–	◪	45	0.25	2.1	–	–	–
SNMG 120412E-NMR	**T6310**	1.2	■	160	0.40	2.6	■	115	0.36	2.6	–	–	–	–	–	–	■	45	0.28	2.1	–	–	–
	T7325	1.2	◪	175	0.40	2.6	■	135	0.36	2.6	–	–	–	–	–	–	■	55	0.28	2.1	–	–	–
	T7335	1.2	◪	165	0.40	2.6	■	125	0.36	2.6	–	–	–	–	–	–	■	50	0.28	2.1	–	–	–
	T9315	1.2	■	225	0.40	2.6		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
	T9325	1.2	■	200	0.40	2.6	■	120	0.36	2.6	–	–	–	–	–	–	◪	45	0.28	2.1	–	–	–
SNMG 120416E-NMR	**T7325**	1.6	◪	180	0.45	2.6	■	140	0.41	2.6	–	–	–	–	–	–	■	55	0.32	2.1	–	–	–
	T7335	1.6	◪	170	0.45	2.6	■	130	0.41	2.6	–	–	–	–	–	–	■	55	0.32	2.1	–	–	–
	T9325	1.6	■	200	0.45	2.6	■	120	0.41	2.6	–	–	–	–	–	–	◪	45	0.32	2.1	–	–	–
SNMG 150612E-NMR	**T6310**	1.2	■	150	0.40	3.8	■	105	0.36	3.8	–	–	–	–	–	–	■	45	0.28	3.0	–	–	–
	T7325	1.2	◪	170	0.40	3.8	■	130	0.36	3.8	–	–	–	–	–	–	■	55	0.28	3.0	–	–	–
	T9315	1.2	■	215	0.40	3.8		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
	T9325	1.2	■	190	0.40	3.8	■	110	0.36	3.8	–	–	–	–	–	–	◪	40	0.28	3.0	–	–	–
SNMG 190612E-NMR	**T6310**	1.2	■	145	0.40	5.2	■	100	0.36	5.2	–	–	–	–	–	–	■	40	0.28	4.2	–	–	–
	T7325	1.2	◪	165	0.40	5.2	■	125	0.36	5.2	–	–	–	–	–	–	■	50	0.28	4.2	–	–	–
	T7335	1.2	◪	155	0.40	5.2	■	120	0.36	5.2	–	–	–	–	–	–	■	50	0.28	4.2	–	–	–
	T9315	1.2	■	210	0.40	5.2		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
	T9325	1.2	■	185	0.40	5.2	■	110	0.36	5.2	–	–	–	–	–	–	◪	40	0.28	4.2	–	–	–
SNMG 190616E-NMR	**T6310**	1.6	■	150	0.45	5.2	■	105	0.41	5.2	–	–	–	–	–	–	■	45	0.32	4.2	–	–	–
	T7325	1.6	◪	170	0.45	5.2	■	130	0.41	5.2	–	–	–	–	–	–	■	55	0.32	4.2	–	–	–
	T7335	1.6	◪	155	0.45	5.2	■	120	0.41	5.2	–	–	–	–	–	–	■	50	0.32	4.2	–	–	–
	T9315	1.6	■	205	0.45	5.2		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
	T9325	1.6	■	185	0.45	5.2	■	110	0.41	5.2	–	–	–	–	–	–	◪	40	0.32	4.2	–	–	–
																				
Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
SNMG 120408-NRM	**T7325**	0.8	◪	175	0.35	2.6	■	135	0.32	2.6	–	–	–	–	–	–	■	55	0.28	2.1	–	–	–
	T7335	0.8	◪	165	0.35	2.6	■	125	0.32	2.6	–	–	–	–	–	–	■	50	0.28	2.1	–	–	–
	T9315	0.8	■	225	0.35	2.6		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
SNMG 120412-NRM	**T7325**	1.2	◪	175	0.40	3.0	■	135	0.36	3.0	–	–	–	–	–	–	■	55	0.28	2.4	–	–	–
	T7335	1.2	◪	165	0.40	3.0	■	125	0.36	3.0	–	–	–	–	–	–	■	50	0.28	2.4	–	–	–
	T9315	1.2	■	220	0.40	3.0		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
SNMG 150612-NRM	**T7325**	1.2	◪	170	0.40	4.0	■	130	0.36	4.0	–	–	–	–	–	–	■	55	0.32	3.2	–	–	–
	T7335	1.2	◪	160	0.40	4.0	■	120	0.36	4.0	–	–	–	–	–	–	■	50	0.32	3.2	–	–	–
	T9315	1.2	■	215	0.40	4.0		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
SNMG 150616-NRM	**T7325**	1.6	◪	170	0.45	5.0	■	130	0.41	5.0	–	–	–	–	–	–	■	55	0.36	4.0	–	–	–
	T7335	1.6	◪	155	0.45	5.0	■	120	0.41	5.0	–	–	–	–	–	–	■	50	0.36	4.0	–	–	–
	T9315	1.6	■	205	0.45	5.0		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
SNMG 190612-NRM	**T7325**	1.2	◪	165	0.40	5.2	■	125	0.36	5.2	–	–	–	–	–	–	■	50	0.32	4.2	–	–	–
	T7335	1.2	◪	155	0.40	5.2	■	120	0.36	5.2	–	–	–	–	–	–	■	50	0.32	4.2	–	–	–
	T9315	1.2	■	210	0.40	5.2		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
SNMG 190616-NRM	**T7325**	1.6	◪	170	0.45	5.2	■	130	0.41	5.2	–	–	–	–	–	–	■	55	0.36	4.2	–	–	–
	T7335	1.6	◪	155	0.45	5.2	■	120	0.41	5.2	–	–	–	–	–	–	■	50	0.36	4.2	–	–	–
	T9315	1.6	■	205	0.45	5.2		–	–	–	–	–	–	–	–	–		–	–	–	–	–	–
SNMG 250724-NRM	**T7325**	2.4	◪	105	0.65	9.0	■	80	0.59	9.0	–	–	–	–	–	–	■	30	0.46	7.2	–	–	–
	T7335	2.4	◪	100	0.65	9.0	■	75	0.59	9.0	–	–	–	–	–	–	■	30	0.46	7.2	–	–	–
	T9315	2.4	■	120	0.65	9.0		–	–	–	◪	110	0.65	9.0	–	–	–	–	–	–	–	–	–

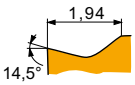
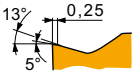
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
SNMG 250924-NRM	**T7325**	2.4	105	0.70	9.0	80	0.63	9.0	–	–	–	–	–	–	30	0.49	7.2	–	–	–
	T7335	2.4	95	0.70	9.0	70	0.63	9.0	–	–	–	–	–	–	30	0.49	7.2	–	–	–
	T9315	2.4	120	0.70	9.0	–	–	–	110	0.70	9.0	–	–	–	–	–	–	–	–	–
																				
			Geometría R para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
SNMG 120408E-R	**6640**	0.8	145	0.40	3.8	–	–	–	135	0.40	3.8	–	–	–	–	–	–	–	–	–
	T5305	0.8	250	0.40	3.8	–	–	–	235	0.40	3.8	–	–	–	–	–	–	50	0.15	1.0
	T9315	0.8	200	0.40	3.8	–	–	–	190	0.40	3.8	–	–	–	–	–	–	40	0.15	1.0
	T9325	0.8	180	0.40	3.8	–	–	–	170	0.40	3.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	155	0.40	3.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 120412E-R	**T5305**	1.2	255	0.45	3.8	–	–	–	240	0.45	3.8	–	–	–	–	–	–	50	0.15	1.0
	T9310	1.2	220	0.45	3.8	–	–	–	205	0.45	3.8	–	–	–	–	–	–	40	0.15	1.0
	T9325	1.2	180	0.45	3.8	–	–	–	170	0.45	3.8	–	–	–	–	–	–	–	–	–
	T9335	1.2	160	0.45	3.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 120416E-R	**T9315**	1.6	205	0.50	3.8	–	–	–	190	0.50	3.8	–	–	–	–	–	–	40	0.15	1.0
	T9325	1.6	185	0.50	3.8	–	–	–	175	0.50	3.8	–	–	–	–	–	–	–	–	–
SNMG 150612E-R	**T5305**	1.2	250	0.45	4.5	–	–	–	235	0.45	4.5	–	–	–	–	–	–	50	0.15	1.0
	T5315	1.2	230	0.45	4.5	–	–	–	215	0.45	4.5	–	–	–	–	–	–	45	0.15	1.0
	T9315	1.2	200	0.45	4.5	–	–	–	190	0.45	4.5	–	–	–	–	–	–	40	0.15	1.0
	T9325	1.2	180	0.45	4.5	–	–	–	170	0.45	4.5	–	–	–	–	–	–	–	–	–
SNMG 150616E-R	**T5315**	1.6	230	0.50	4.5	–	–	–	215	0.50	4.5	–	–	–	–	–	–	45	0.15	1.0
	T9325	1.6	180	0.50	4.5	–	–	–	170	0.50	4.5	–	–	–	–	–	–	–	–	–
SNMG 190612E-R	**6640**	1.2	140	0.45	6.0	–	–	–	130	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9310	1.2	210	0.45	6.0	–	–	–	195	0.45	6.0	–	–	–	–	–	–	40	0.15	1.0
	T9315	1.2	195	0.45	6.0	–	–	–	185	0.45	6.0	–	–	–	–	–	–	35	0.15	1.0
	T9325	1.2	175	0.45	6.0	–	–	–	165	0.45	6.0	–	–	–	–	–	–	–	–	–
SNMG 190616E-R	**T9310**	1.6	205	0.50	6.0	–	–	–	190	0.50	6.0	–	–	–	–	–	–	40	0.15	1.0
	T9315	1.6	195	0.50	6.0	–	–	–	185	0.50	6.0	–	–	–	–	–	–	35	0.15	1.0
	T9325	1.6	175	0.50	6.0	–	–	–	165	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	150	0.50	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
SNMG 120408E-RM	**T5305**	0.8	290	0.40	4.0	–	–	–	275	0.40	4.0	–	–	–	–	–	–	–	–	–
	T5315	0.8	260	0.40	4.0	–	–	–	245	0.40	4.0	–	–	–	–	–	–	–	–	–
	T6310	0.8	165	0.40	4.0	115	0.36	4.0	130	0.40	4.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	185	0.40	4.0	140	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	175	0.40	4.0	135	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	175	0.40	4.0	105	0.36	4.0	165	0.40	4.0	–	–	–	–	–	–	–	–	–
	T8330	0.8	165	0.40	4.0	95	0.36	4.0	155	0.40	4.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	175	0.40	4.0	95	0.36	4.0	140	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9310	0.8	250	0.40	4.0	–	–	–	235	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	235	0.40	4.0	–	–	–	220	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	210	0.40	4.0	125	0.36	4.0	195	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	180	0.40	4.0	105	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
SNMG 120412E-RM	**T5305**	1.2	295	0.45	4.0	–	–	–	280	0.45	4.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	265	0.45	4.0	–	–	–	250	0.45	4.0	–	–	–	–	–	–	–	–	–
	T6310	1.2	165	0.45	4.0	115	0.41	4.0	130	0.45	4.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	190	0.45	4.0	145	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	180	0.45	4.0	140	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.2	250	0.45	4.0	–	–	–	235	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	235	0.45	4.0	–	–	–	220	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	210	0.45	4.0	125	0.41	4.0	195	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	185	0.45	4.0	110	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 120416E-RM	**T5315**	1.6	270	0.50	4.0	–	–	–	255	0.50	4.0	–	–	–	–	–	–	–	–	–
	T7335	1.6	180	0.50	4.0	140	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.6	170	0.50	4.0	100	0.45	4.0	160	0.50	4.0	–	–	–	–	–	–	–	–	–
	T8430	1.6	175	0.50	4.0	95	0.45	4.0	140	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	230	0.50	4.0	–	–	–	215	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	215	0.50	4.0	125	0.45	4.0	200	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	180	0.50	4.0	105	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 150612E-RM	**T5315**	1.2	255	0.45	5.0	–	–	–	240	0.45	5.0	–	–	–	–	–	–	–	–	–
	T6310	1.2	165	0.45	5.0	115	0.41	5.0	130	0.45	5.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	185	0.45	5.0	140	0.41	5.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	175	0.45	5.0	135	0.41	5.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.2	245	0.45	5.0	–	–	–	230	0.45	5.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	225	0.45	5.0	–	–	–	210	0.45	5.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	205	0.45	5.0	120	0.41	5.0	190	0.45	5.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	180	0.45	5.0	105	0.41	5.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 150616E-RM	**T7335**	1.6	175	0.50	5.0	135	0.45	5.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	1.6	230	0.50	5.0	–	–	–	215	0.50	5.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	205	0.50	5.0	120	0.45	5.0	190	0.50	5.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	180	0.50	5.0	105	0.45	5.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 190612E-RM	**T5305**	1.2	275	0.45	7.0	–	–	–	260	0.45	7.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	250	0.45	7.0	–	–	–	235	0.45	7.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	180	0.45	7.0	140	0.41	7.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	165	0.45	7.0	125	0.41	7.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.2	240	0.45	7.0	–	–	–	225	0.45	7.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	220	0.45	7.0	–	–	–	205	0.45	7.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	195	0.45	7.0	115	0.41	7.0	185	0.45	7.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	175	0.45	7.0	105	0.41	7.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 190616E-RM	**T5305**	1.6	285	0.50	7.0	–	–	–	270	0.50	7.0	–	–	–	–	–	–	–	–	–
	T5315	1.6	250	0.50	7.0	–	–	–	235	0.50	7.0	–	–	–	–	–	–	–	–	–
	T6310	1.6	160	0.50	7.0	115	0.45	7.0	125	0.50	7.0	–	–	–	–	–	–	–	–	–
	T7335	1.6	170	0.50	7.0	130	0.45	7.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	1.6	240	0.50	7.0	–	–	–	225	0.50	7.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	220	0.50	7.0	–	–	–	205	0.50	7.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	200	0.50	7.0	120	0.45	7.0	190	0.50	7.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	175	0.50	7.0	105	0.45	7.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMG 250924E-RM	**T7325**	2.4	110	0.80	12.0	85	0.72	12.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	2.4	105	0.80	12.0	80	0.72	12.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9226	2.4	95	0.80	12.0	55	0.72	12.0	90	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	125	0.80	12.0	–	–	–	115	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	110	0.80	12.0	65	0.72	12.0	100	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	90	0.80	12.0	50	0.72	12.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.																	
SNMG 120404E-SF	**T7325**	0.4	215	0.17	1.0	165	0.15	1.0	–	–	–	–	–	–	65	0.15	0.8	–	–	–
	T9325	0.4	265	0.17	1.0	155	0.15	1.0	250	0.17	1.0	–	–	–	55	0.15	0.8	–	–	–

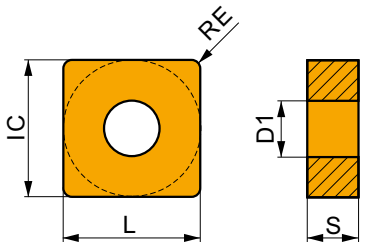
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.																	
SNMG 120408E-SF	**H07**	0.8	–	–	–	105	0.18	1.0	165	0.20	1.0	525	0.24	1.0	50	0.14	0.8	–	–	–
	T6310	0.8	210	0.20	1.0	150	0.18	1.0	165	0.20	1.0	630	0.24	1.0	60	0.14	0.8	40	0.15	1.0
	T7325	0.8	245	0.20	1.0	190	0.18	1.0	–	–	–	–	–	–	75	0.16	0.8	–	–	–
	T7335	0.8	235	0.20	1.0	180	0.18	1.0	–	–	–	–	–	–	75	0.16	0.8	–	–	–
	T8315	0.8	225	0.20	1.0	135	0.18	1.0	210	0.20	1.0	675	0.24	1.0	55	0.14	0.8	45	0.15	1.0
	T8330	0.8	210	0.20	1.0	125	0.18	1.0	195	0.20	1.0	630	0.24	1.0	50	0.14	0.8	40	0.15	1.0
	T8430	0.8	245	0.20	1.0	135	0.18	1.0	200	0.20	1.0	675	0.24	1.0	50	0.14	0.8	40	0.15	1.0
	T9325	0.8	295	0.20	1.0	175	0.18	1.0	280	0.20	1.0	–	–	–	65	0.16	0.8	–	–	–
SNMG 120412E-SF	**T6310**	1.2	200	0.25	1.5	140	0.23	1.5	160	0.25	1.5	600	0.30	1.5	60	0.18	1.2	40	0.15	1.0
	T7325	1.2	230	0.25	1.5	175	0.23	1.5	–	–	–	–	–	–	70	0.18	1.2	–	–	–
	T8330	1.2	200	0.25	1.5	120	0.23	1.5	190	0.25	1.5	600	0.30	1.5	50	0.18	1.2	40	0.15	1.0
	T8430	1.2	225	0.25	1.5	120	0.23	1.5	185	0.25	1.5	615	0.30	1.5	45	0.18	1.2	35	0.15	1.0
																				
			Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																	
SNMG 120408E-SM	**T6310**	0.8	185	0.25	1.8	130	0.23	1.8	145	0.25	1.8	555	0.30	1.8	55	0.20	1.4	35	0.15	1.0
	T7325	0.8	210	0.25	1.8	160	0.23	1.8	–	–	–	–	–	–	65	0.20	1.4	–	–	–
	T7335	0.8	205	0.25	1.8	155	0.23	1.8	–	–	–	–	–	–	65	0.20	1.4	–	–	–
	T8330	0.8	185	0.25	1.8	110	0.23	1.8	175	0.25	1.8	555	0.30	1.8	45	0.20	1.4	35	0.15	1.0
	T8430	0.8	205	0.25	1.8	110	0.23	1.8	170	0.25	1.8	570	0.30	1.8	45	0.20	1.4	35	0.15	1.0
	T9315	0.8	280	0.25	1.8	–	–	–	265	0.25	1.8	–	–	–	–	–	–	55	0.15	1.0
	T9325	0.8	255	0.25	1.8	150	0.23	1.8	240	0.25	1.8	–	–	–	55	0.20	1.4	–	–	–
SNMG 120412E-SM	**T7325**	1.2	210	0.30	1.8	160	0.27	1.8	–	–	–	–	–	–	65	0.24	1.4	–	–	–
	T7335	1.2	200	0.30	1.8	155	0.27	1.8	–	–	–	–	–	–	65	0.24	1.4	–	–	–
	T9315	1.2	275	0.30	1.8	–	–	–	260	0.30	1.8	–	–	–	–	–	–	55	0.15	1.0
	T9325	1.2	245	0.30	1.8	145	0.27	1.8	230	0.30	1.8	–	–	–	55	0.24	1.4	–	–	–
SNMG 190612E-SM	**T6310**	1.2	175	0.30	4.0	125	0.27	4.0	140	0.30	4.0	525	0.36	4.0	50	0.27	3.2	35	0.15	1.0
	T7325	1.2	195	0.30	4.0	150	0.27	4.0	–	–	–	–	–	–	60	0.27	3.2	–	–	–
	T7335	1.2	185	0.30	4.0	140	0.27	4.0	–	–	–	–	–	–	60	0.27	3.2	–	–	–
	T9325	1.2	230	0.30	4.0	135	0.27	4.0	215	0.30	4.0	–	–	–	50	0.27	3.2	–	–	–
SNMG 190616E-SM	**T7325**	1.6	190	0.40	4.0	145	0.36	4.0	–	–	–	–	–	–	60	0.32	3.2	–	–	–
	T7335	1.6	175	0.40	4.0	135	0.36	4.0	–	–	–	–	–	–	55	0.32	3.2	–	–	–
	T9325	1.6	210	0.40	4.0	125	0.36	4.0	195	0.40	4.0	–	–	–	45	0.32	3.2	–	–	–

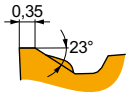
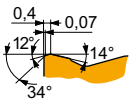
SNMM

PRAMET

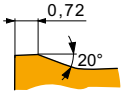
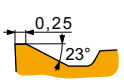
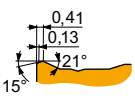
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.70	4.76
1506	15.875	6.35	15.875	6.35
1906	19.050	7.94	19.05	6.35
2507	25.400	9.12	25.40	7.94
2509	25.400	9.12	25.40	9.525



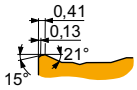
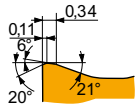
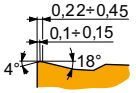
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría DR para semi-desbaste y desbaste y corte continuo a interrumpido.																				
SNMM 120412E-DR	**T9315**	1.2	245	0.45	4.7	–	–	–	230	0.45	4.7	–	–	–	–	–	–	–	–	–
	T9325	1.2	220	0.45	4.7	130	0.41	4.7	205	0.45	4.7	–	–	–	–	–	–	–	–	–
	T9335	1.2	185	0.45	4.7	110	0.41	4.7	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 150612E-DR	**T9325**	1.2	210	0.45	6.0	125	0.41	6.0	195	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	180	0.45	6.0	105	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 190612E-DR	**6640**	1.2	170	0.45	6.0	100	0.41	6.0	160	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	210	0.45	6.0	125	0.41	6.0	195	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	180	0.45	6.0	105	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 190616E-DR	**T9325**	1.6	210	0.50	6.0	125	0.45	6.0	195	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	185	0.50	6.0	110	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría HR para desbaste a desbaste pesado con corte contínuo a interrumpido.																				
SNMM 190616E-HR	**T8345**	1.6	60	0.60	9.0	35	0.54	9.0	55	0.60	9.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	110	0.60	9.0	65	0.54	9.0	100	0.60	9.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	85	0.60	9.0	50	0.54	9.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 190624E-HR	**T8345**	2.4	60	0.65	9.0	35	0.59	9.0	55	0.65	9.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	120	0.65	9.0	–	–	–	110	0.65	9.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	115	0.65	9.0	65	0.59	9.0	105	0.65	9.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	90	0.65	9.0	50	0.59	9.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250716E-HR	**T8345**	1.6	60	0.60	13.0	35	0.54	13.0	55	0.60	13.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	100	0.60	13.0	60	0.54	13.0	95	0.60	13.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	85	0.60	13.0	50	0.54	13.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250724E-HR	**6640**	2.4	80	0.65	13.0	45	0.59	13.0	75	0.65	13.0	–	–	–	–	–	–	–	–	–
	T8345	2.4	55	0.65	13.0	30	0.59	13.0	50	0.65	13.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	120	0.65	13.0	–	–	–	110	0.65	13.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	105	0.65	13.0	60	0.59	13.0	95	0.65	13.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	85	0.65	13.0	50	0.59	13.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250732E-HR	**T9325**	3.2	95	0.80	13.0	55	0.72	13.0	90	0.80	13.0	–	–	–	–	–	–	–	–	–
SNMM 250924E-HR	**T8345**	2.4	55	0.65	13.0	30	0.59	13.0	50	0.65	13.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	120	0.65	13.0	–	–	–	110	0.65	13.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	105	0.65	13.0	60	0.59	13.0	95	0.65	13.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	85	0.65	13.0	50	0.59	13.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250932E-HR	**T9325**	3.2	95	0.80	13.0	55	0.72	13.0	90	0.80	13.0	–	–	–	–	–	–	–	–	–

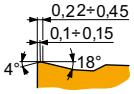
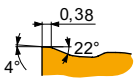
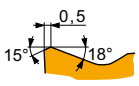
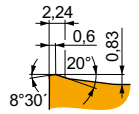
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría HR2 para desbaste a desbaste pesado con corte contínuo a interrumpido.																	
SNMM 190616-HR2	**T9315**	1.6	115	0.65	8.9	–	–	–	105	0.65	8.9	–	–	–	–	–	–	–	–	–
	T9335	1.6	85	0.65	8.9	50	0.59	8.9	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 190624-HR2	**T9315**	2.4	105	0.85	8.9	–	–	–	95	0.85	8.9	–	–	–	–	–	–	–	–	–
	T9335	2.4	80	0.85	8.9	45	0.77	8.9	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250724-HR2	**T9226**	2.4	85	0.85	11.0	50	0.77	11.0	80	0.85	11.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	105	0.85	11.0	–	–	–	95	0.85	11.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	80	0.85	11.0	45	0.77	11.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250732-HR2	**T9315**	3.2	95	1.00	11.0	–	–	–	90	1.00	11.0	–	–	–	–	–	–	–	–	–
SNMM 250924-HR2	**T9226**	2.4	85	0.85	11.0	50	0.77	11.0	80	0.85	11.0	–	–	–	–	–	–	–	–	–
	T9315	2.4	105	0.85	11.0	–	–	–	95	0.85	11.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	80	0.85	11.0	45	0.77	11.0	–	–	–	–	–	–	–	–	–	–	–	–
SNMM 250932-HR2	**T9315**	3.2	95	1.00	11.0	–	–	–	90	1.00	11.0	–	–	–	–	–	–	–	–	–
	T9335	3.2	75	1.00	11.0	45	0.90	11.0	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría NR para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
SNMM 120408E-NR	**T7325**	0.8	185	0.40	3.0	140	0.36	3.0	–	–	–	–	–	–	60	0.28	2.4	–	–	–
	T7335	0.8	175	0.40	3.0	135	0.36	3.0	–	–	–	–	–	–	55	0.28	2.4	–	–	–
	T8330	0.8	160	0.40	3.0	95	0.36	3.0	150	0.40	3.0	–	–	–	40	0.28	2.4	–	–	–
	T8430	0.8	170	0.40	3.0	90	0.36	3.0	135	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
	T9325	0.8	205	0.40	3.0	120	0.36	3.0	190	0.40	3.0	–	–	–	45	0.28	2.4	–	–	–
			Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
SNMM 120408E-NR2	**T7325**	0.8	175	0.40	4.7	135	0.36	4.7	–	–	–	–	–	–	55	0.32	3.8	–	–	–
	T7335	0.8	170	0.40	4.7	130	0.36	4.7	–	–	–	–	–	–	55	0.32	3.8	–	–	–
	T8330	0.8	155	0.40	4.7	90	0.36	4.7	145	0.40	4.7	–	–	–	35	0.32	3.8	–	–	–
	T8430	0.8	165	0.40	4.7	90	0.36	4.7	135	0.40	4.7	–	–	–	35	0.32	3.8	–	–	–
	T9325	0.8	195	0.40	4.7	115	0.36	4.7	185	0.40	4.7	–	–	–	40	0.32	3.8	–	–	–
SNMM 120412E-NR2	**T7335**	1.2	165	0.45	4.7	125	0.41	4.7	–	–	–	–	–	–	50	0.36	3.8	–	–	–
	T8330	1.2	160	0.45	4.7	95	0.41	4.7	150	0.45	4.7	–	–	–	40	0.36	3.8	–	–	–
	T8430	1.2	165	0.45	4.7	90	0.41	4.7	135	0.45	4.7	–	–	–	35	0.36	3.8	–	–	–
	T9325	1.2	200	0.45	4.7	120	0.41	4.7	190	0.45	4.7	–	–	–	45	0.36	3.8	–	–	–
SNMM 150612E-NR2	**T7325**	1.2	170	0.45	6.0	130	0.41	6.0	–	–	–	–	–	–	55	0.36	4.8	–	–	–
	T7335	1.2	165	0.45	6.0	125	0.41	6.0	–	–	–	–	–	–	50	0.36	4.8	–	–	–
	T8330	1.2	155	0.45	6.0	90	0.41	6.0	145	0.45	6.0	–	–	–	35	0.36	4.8	–	–	–
	T8430	1.2	165	0.45	6.0	90	0.41	6.0	135	0.45	6.0	–	–	–	35	0.36	4.8	–	–	–
	T9325	1.2	195	0.45	6.0	115	0.41	6.0	185	0.45	6.0	–	–	–	40	0.36	4.8	–	–	–
SNMM 150616E-NR2	**T7335**	1.6	165	0.50	6.0	125	0.45	6.0	–	–	–	–	–	–	50	0.40	4.8	–	–	–
	T9325	1.6	190	0.50	6.0	110	0.45	6.0	180	0.50	6.0	–	–	–	40	0.40	4.8	–	–	–
SNMM 190612E-NR2	**T7335**	1.2	160	0.45	8.0	120	0.41	8.0	–	–	–	–	–	–	50	0.36	6.4	–	–	–
	T9325	1.2	190	0.45	8.0	110	0.41	8.0	180	0.45	8.0	–	–	–	40	0.36	6.4	–	–	–
SNMM 190616E-NR2	**T7325**	1.6	175	0.50	8.0	135	0.45	8.0	–	–	–	–	–	–	55	0.40	6.4	–	–	–
	T7335	1.6	160	0.50	8.0	120	0.45	8.0	–	–	–	–	–	–	50	0.40	6.4	–	–	–
	T8330	1.6	155	0.50	8.0	90	0.45	8.0	145	0.50	8.0	–	–	–	35	0.40	6.4	–	–	–
	T8430	1.6	155	0.50	8.0	85	0.45	8.0	130	0.50	8.0	–	–	–	30	0.40	6.4	–	–	–
	T9315	1.6	210	0.50	8.0	–	–	–	195	0.50	8.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	185	0.50	8.0	110	0.45	8.0	175	0.50	8.0	–	–	–	40	0.40	6.4	–	–	–
SNMM 190624E-NR2	**T7325**	2.4	155	0.80	8.0	120	0.72	8.0	–	–	–	–	–	–	50	0.56	6.4	–	–	–
	T7335	2.4	145	0.80	8.0	110	0.72	8.0	–	–	–	–	–	–	45	0.56	6.4	–	–	–
	T9325	2.4	165	0.80	8.0	95	0.72	8.0	155	0.80	8.0	–	–	–	35	0.56	6.4	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
SNMM 250724E-NR2	**T7335**	2.4	100	0.80	12.0	75	0.72	12.0	–	–	–	–	–	–	30	0.56	9.6	–	–	–
	T8330	2.4	85	0.80	12.0	50	0.72	12.0	80	0.80	12.0	–	–	–	20	0.56	9.6	–	–	–
	T8430	2.4	85	0.80	12.0	45	0.72	12.0	70	0.80	12.0	–	–	–	15	0.56	9.6	–	–	–
	T9226	2.4	95	0.80	12.0	55	0.72	12.0	90	0.80	12.0	–	–	–	20	0.56	9.6	–	–	–
	T9315	2.4	120	0.80	12.0	–	–	–	110	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	105	0.80	12.0	60	0.72	12.0	95	0.80	12.0	–	–	–	20	0.56	9.6	–	–	–
SNMM 250924E-NR2	**T7325**	2.4	105	0.80	12.0	80	0.72	12.0	–	–	–	–	–	–	30	0.56	9.6	–	–	–
	T7335	2.4	100	0.80	12.0	75	0.72	12.0	–	–	–	–	–	–	30	0.56	9.6	–	–	–
	T9226	2.4	95	0.80	12.0	55	0.72	12.0	90	0.80	12.0	–	–	–	20	0.56	9.6	–	–	–
	T9315	2.4	120	0.80	12.0	–	–	–	110	0.80	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	105	0.80	12.0	60	0.72	12.0	95	0.80	12.0	–	–	–	20	0.56	9.6	–	–	–
																				
			Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
SNMM 250716-NRM	**T7325**	1.6	115	0.45	9.0	85	0.41	9.0	–	–	–	–	–	–	35	0.36	7.2	–	–	–
	T7335	1.6	110	0.45	9.0	85	0.41	9.0	–	–	–	–	–	–	35	0.36	7.2	–	–	–
	T9315	1.6	135	0.45	9.0	–	–	–	125	0.45	9.0	–	–	–	–	–	–	–	–	–
SNMM 250724-NRM	**T7325**	2.4	105	0.65	9.0	80	0.59	9.0	–	–	–	–	–	–	30	0.46	7.2	–	–	–
	T7335	2.4	100	0.65	9.0	75	0.59	9.0	–	–	–	–	–	–	30	0.46	7.2	–	–	–
	T9315	2.4	120	0.65	9.0	–	–	–	110	0.65	9.0	–	–	–	–	–	–	–	–	–
SNMM 250924-NRM	**T7325**	2.4	105	0.70	9.0	80	0.63	9.0	–	–	–	–	–	–	30	0.49	7.2	–	–	–
	T7335	2.4	95	0.70	9.0	70	0.63	9.0	–	–	–	–	–	–	30	0.49	7.2	–	–	–
	T9315	2.4	120	0.70	9.0	–	–	–	110	0.70	9.0	–	–	–	–	–	–	–	–	–
																				
			Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
SNMM 120408E-OR	**T9315**	0.8	220	0.40	4.7	–	–	–	205	0.40	4.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	195	0.40	4.7	115	0.36	4.7	185	0.40	4.7	–	–	–	40	0.32	3.8	–	–	–
	T9335	0.8	175	0.40	4.7	105	0.36	4.7	–	–	–	–	–	–	35	0.32	3.8	–	–	–
SNMM 120412E-OR	**T9315**	1.2	225	0.45	4.7	–	–	–	210	0.45	4.7	–	–	–	–	–	–	–	–	–
	T9325	1.2	200	0.45	4.7	120	0.41	4.7	190	0.45	4.7	–	–	–	45	0.36	3.8	–	–	–
SNMM 120416E-OR	**T9325**	1.6	200	0.50	4.7	120	0.45	4.7	190	0.50	4.7	–	–	–	45	0.40	3.8	–	–	–
SNMM 150608E-OR	**T9325**	0.8	185	0.45	6.0	110	0.41	6.0	175	0.45	6.0	–	–	–	40	0.41	4.8	–	–	–
	T9335	0.8	170	0.40	6.0	100	0.36	6.0	–	–	–	–	–	–	35	0.36	4.8	–	–	–
SNMM 150612E-OR	**T9325**	1.2	195	0.45	6.0	115	0.41	6.0	185	0.45	6.0	–	–	–	40	0.36	4.8	–	–	–
	T9335	1.2	165	0.45	6.0	95	0.41	6.0	–	–	–	–	–	–	35	0.36	4.8	–	–	–
SNMM 150616E-OR	**T9315**	1.6	215	0.50	6.0	–	–	–	200	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	190	0.50	6.0	110	0.45	6.0	180	0.50	6.0	–	–	–	40	0.40	4.8	–	–	–
SNMM 190612E-OR	**T8330**	1.2	150	0.45	8.0	90	0.41	8.0	140	0.45	8.0	–	–	–	35	0.36	6.4	–	–	–
	T8430	1.2	150	0.45	8.0	80	0.41	8.0	125	0.45	8.0	–	–	–	30	0.36	6.4	–	–	–
	T9315	1.2	210	0.45	8.0	–	–	–	195	0.45	8.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	190	0.45	8.0	110	0.41	8.0	180	0.45	8.0	–	–	–	40	0.36	6.4	–	–	–
	T9335	1.2	165	0.45	8.0	95	0.41	8.0	–	–	–	–	–	–	35	0.36	6.4	–	–	–
SNMM 190616E-OR	**T8330**	1.6	155	0.50	8.0	90	0.45	8.0	145	0.50	8.0	–	–	–	35	0.40	6.4	–	–	–
	T8345	1.6	125	0.50	8.0	75	0.45	8.0	115	0.50	8.0	–	–	–	30	0.40	6.4	–	–	–
	T8430	1.6	155	0.50	8.0	85	0.45	8.0	130	0.50	8.0	–	–	–	30	0.40	6.4	–	–	–
	T9315	1.6	210	0.50	8.0	–	–	–	195	0.50	8.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	185	0.50	8.0	110	0.45	8.0	175	0.50	8.0	–	–	–	40	0.40	6.4	–	–	–
	T9335	1.6	160	0.50	8.0	95	0.45	8.0	–	–	–	–	–	–	35	0.40	6.4	–	–	–
SNMM 190624E-OR	**T9315**	2.4	180	0.80	8.0	–	–	–	170	0.80	8.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	165	0.80	8.0	95	0.72	8.0	155	0.80	8.0	–	–	–	35	0.56	6.4	–	–	–
SNMM 250716E-OR	**T9226**	1.6	115	0.50	12.0	65	0.45	12.0	105	0.50	12.0	–	–	–	20	0.45	9.6	–	–	–
	T9325	1.6	120	0.55	12.0	70	0.50	12.0	110	0.55	12.0	–	–	–	25	0.50	9.6	–	–	–

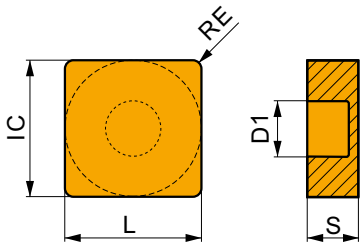
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
SNMM 250724E-OR	**T8330**	2.4	80	1.00	12.0	45	0.90	12.0	75	1.00	12.0	–	–	–	20	0.70	9.6	–	–	–
	T8345	2.4	55	1.00	12.0	30	0.90	12.0	50	1.00	12.0	–	–	–	10	0.70	9.6	–	–	–
	T8430	2.4	80	1.00	12.0	45	0.90	12.0	65	1.00	12.0	–	–	–	15	0.70	9.6	–	–	–
	T9315	2.4	105	1.00	12.0	–	–	–	95	1.00	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	100	1.00	12.0	60	0.90	12.0	95	1.00	12.0	–	–	–	20	0.70	9.6	–	–	–
	T9335	2.4	80	1.00	12.0	45	0.90	12.0	–	–	–	–	–	–	15	0.70	9.6	–	–	–
SNMM 250924E-OR	**T8430**	2.4	80	1.00	12.0	45	0.90	12.0	65	1.00	12.0	–	–	–	15	0.70	9.6	–	–	–
	T9226	2.4	85	1.00	12.0	50	0.90	12.0	80	1.00	12.0	–	–	–	15	0.70	9.6	–	–	–
	T9315	2.4	105	1.00	12.0	–	–	–	95	1.00	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	100	1.00	12.0	60	0.90	12.0	95	1.00	12.0	–	–	–	20	0.70	9.6	–	–	–
	T9335	2.4	80	1.00	12.0	45	0.90	12.0	–	–	–	–	–	–	15	0.70	9.6	–	–	–
																				
Geometría OR1 para semi-desbaste a desbaste pesado, con corte contínuo a interrumpido.																				
SNMM 190616E-OR1	**T9325**	1.6	185	0.50	8.0	110	0.45	8.0	175	0.50	8.0	–	–	–	40	0.35	6.4	–	–	–
	T9335	1.6	160	0.50	8.0	95	0.45	8.0	–	–	–	–	–	–	35	0.35	6.4	–	–	–
																				
Geometría SR para desbaste a desbaste pesado con corte contínuo a interrumpido.																				
SNMM 250724S-SR	**6640**	2.4	60	1.00	12.0	35	0.90	12.0	55	1.00	12.0	–	–	–	–	–	–	–	–	–
	T9226	2.4	70	1.00	12.0	40	0.90	12.0	65	1.00	12.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	80	1.00	12.0	45	0.90	12.0	75	1.00	12.0	–	–	–	–	–	–	–	–	–
SNMM 250924S-SR	**T9335**	2.4	65	1.00	14.0	35	0.90	14.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría 923 para semi-desbaste a desbaste pesado con corte contínuo a muy interrumpido.																				
SNMM 190616S-923	**T8330**	1.6	125	0.65	8.9	75	0.59	8.9	115	0.65	8.9	–	–	–	30	0.52	7.1	–	–	–
	T8345	1.6	100	0.65	8.9	60	0.59	8.9	95	0.65	8.9	–	–	–	25	0.52	7.1	–	–	–
	T8430	1.6	125	0.65	8.9	65	0.59	8.9	100	0.65	8.9	–	–	–	25	0.52	7.1	–	–	–
	T9335	1.6	130	0.65	8.9	75	0.59	8.9	–	–	–	–	–	–	25	0.52	7.1	–	–	–
SNMM 250724S-923	**T8330**	2.4	80	0.85	11.0	45	0.77	11.0	75	0.85	11.0	–	–	–	20	0.60	8.8	–	–	–
	T8430	2.4	80	0.85	11.0	45	0.77	11.0	65	0.85	11.0	–	–	–	15	0.60	8.8	–	–	–
	T9335	2.4	80	0.85	11.0	45	0.77	11.0	–	–	–	–	–	–	15	0.60	8.8	–	–	–
SNMM 250924S-923	**T8345**	2.4	55	0.85	11.0	30	0.77	11.0	50	0.85	11.0	–	–	–	10	0.60	8.8	–	–	–
	T8430	2.4	80	0.85	11.0	45	0.77	11.0	65	0.85	11.0	–	–	–	15	0.60	8.8	–	–	–
	T9226	2.4	85	0.85	11.0	50	0.77	11.0	80	0.85	11.0	–	–	–	15	0.60	8.8	–	–	–
	T9315	2.4	105	0.85	11.0	–	–	–	95	0.85	11.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	80	0.85	11.0	45	0.77	11.0	–	–	–	–	–	–	15	0.60	8.8	–	–	–
SNMM 250932S-923	**T9226**	3.2	80	1.00	11.0	45	0.90	11.0	75	1.00	11.0	–	–	–	15	0.70	8.8	–	–	–

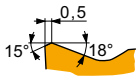
SNMX

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
2512	25.400	9.17	25.40	12.00



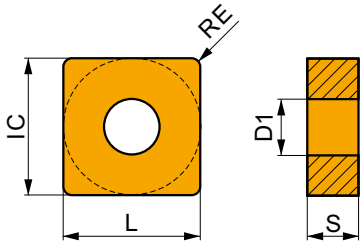
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría SR para desbaste a desbaste pesado con corte contínuo a interrumpido.																	
SNMX 251224S-SR	**T8345**	2.4	45	1.00	14.0	25	0.90	14.0	40	1.00	14.0	–	–	–	–	–	–	–	–	–
	T9325	2.4	80	1.00	14.0	45	0.90	14.0	75	1.00	14.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	65	1.00	14.0	35	0.90	14.0	–	–	–	–	–	–	–	–	–	–	–	–

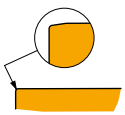
SNGA CER

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1204	12.700	5.16	12.70	4.76



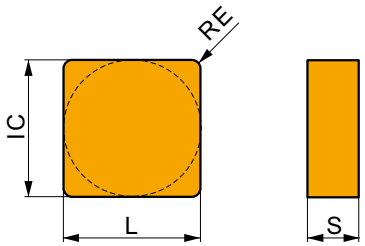
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Para mecanizado con altas velocidades y corte contínuo.																	
SNGA 120408 T01025	**TC100**	0.8	–	–	–	–	–	–	575	0.20	2.0	–	–	–	–	–	–	–	–	–
SNGA 120412 T01020	**TC100**	1.2	–	–	–	–	–	–	565	0.25	2.0	–	–	–	–	–	–	–	–	–

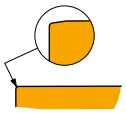
SNGN CER

PRAMET

	IC (mm)	L (mm)	S (mm)
0903	9.525	9.525	3.18
1204	12.700	12.70	4.76
1207	12.700	12.70	7.94



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		T															
			Para mecanizado con altas velocidades y corte contínuo.																	
SNGN 090308 T01020	**TC100**	0.8	–	–	–	–	–	–	◪ 580	0.20	1.8	–	–	–	–	–	–	–	–	–
SNGN 090312 T01020	**TC100**	1.2	–	–	–	–	–	–	◪ 565	0.25	1.8	–	–	–	–	–	–	–	–	–
SNGN 120404 T01020	**TC100**	0.4	–	–	–	–	–	–	◪ 620	0.10	2.0	–	–	–	–	–	–	–	–	–
SNGN 120408 T01020	**TC100**	0.8	–	–	–	–	–	–	◪ 575	0.20	2.0	–	–	–	–	–	–	–	–	–
SNGN 120708 T01020	**TC100**	0.8	–	–	–	–	–	–	◪ 575	0.20	2.0	–	–	–	–	–	–	–	–	–
SNGN 120712 T01020	**TC100**	1.2	–	–	–	–	–	–	◪ 565	0.25	2.0	–	–	–	–	–	–	–	–	–

DSBN(RL) EXT

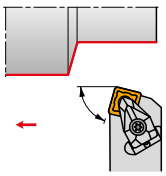
P M K N S H

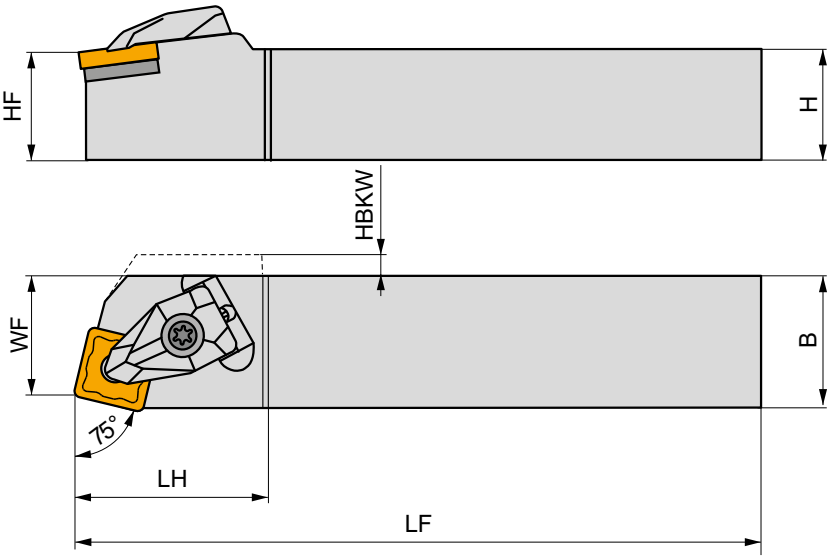
PRAMET

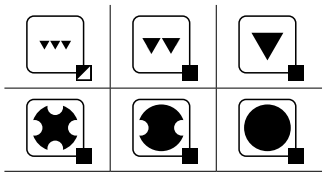
D

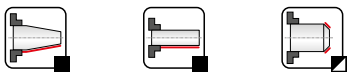
Portaherramientas de Exterior con Fijación Doble, a 75°, para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 75°. Adecuado para torneado longitudinal sin escuadra, torneado en cono y achaflanado con plaquitas negativas SN .. 12, 15 o 19. Disponible con mangos de 20x20 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	HBKW (mm)	LAMS (°)	GAMO (°)	kg			
R	**DSBNR 2020 K 12**	20	20	20	17	125	34.2	2.5	-6	-6	0.43	GI029	DS12	AT003
	DSBNR 2525 M 12	25	25	25	22	150	34.3	–	-6	-6	0.74	GI029	DS12	AT003
	DSBNR 2525 M 15	25	25	25	22	150	41.6	2	-6	-6	0.80	GI082	DS15	AT006
	DSBNR 3225 P 15	32	25	32	22	170	41.7	2	-6	-6	1.07	GI082	DS15	AT006
	DSBNR 3232 P 19	32	32	32	27	170	46.4	–	-6	-6	1.38	GI026	DS19	–
	DSBNR 4040 S 19	40	40	40	35	250	46.5	–	-6	-6	3.18	GI026	DS19	–
L	**DSBNL 2525 M 12**	25	25	25	22	150	34.3	–	-6	-6	0.74	GI029	DS12	AT003
	DSBNL 2525 M 15	25	25	25	22	150	41.6	2	-6	-6	0.80	GI082	DS15	AT006
	DSBNL 3225 P 15	32	25	32	22	170	41.7	2	-6	-6	1.16	GI082	DS15	AT006
	DSBNL 3232 P 19	32	32	32	27	170	46.4	–	-6	-6	1.38	GI026	DS19	–
	DSBNL 4040 S 19	40	40	40	35	250	46.5	–	-6	-6	3.18	GI026	DS19	–

GI026	SN.. 1906..
GI029	SN.. 1204..
GI082	SN.. 1506..

		Nm				
DS12	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	–
DS15	DCS 16	6.4	DSS 425-03	US 2007-T20P	–	LK T20P
DS19	DCS 19	6.4	DSS 425-04	US 2007-T20P	–	LK T20P

AT003a	SN.. 1207..	–	DSS 425-02
AT006a	SN.. 1507..	–	DSS 425-05
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–
AT006b	CER CN.N 1606..	DCS 16C4	–
AT006c	CER CN.A 1606..	DCS 16C2	–

DSDNN EXT

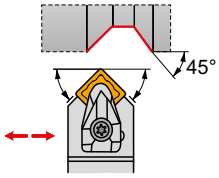
P M K N S H

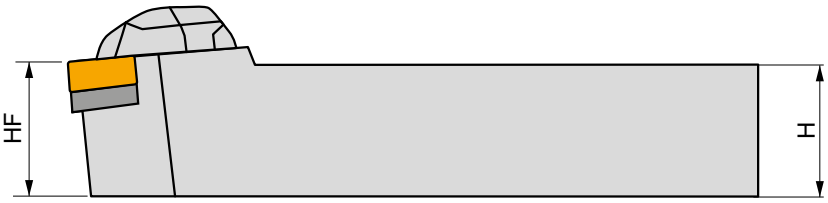
PRAMET

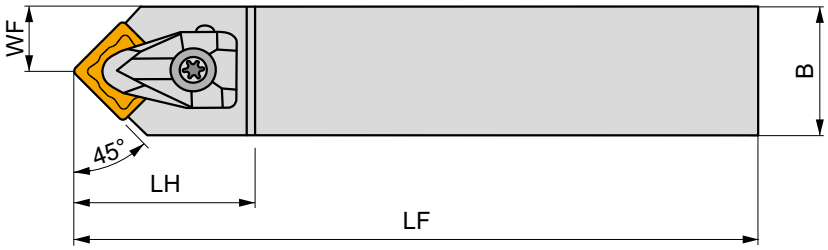
D

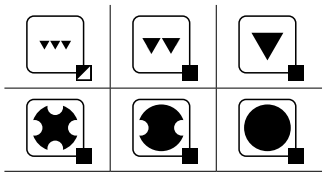
Portaherramientas de Exterior con Fijación Doble, a 45°, para Plaquitas SN..

Portaherramientas de exterior neutro con fijación doble y ángulo de posición de 45 °. Adecuado para torneado longitudinal sin escuadra, copiado, torneado en cono y achaflanado con plaquitas negativas SN .. 12, 15, 19 o 25. Disponible con mangos de 25x25 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg			
N	**DSDNN 2525 M 12**	25	25	25	12.8	150	36.5	-6	-6	0.74	GI029	DS12	AT003
	DSDNN 2525 M 15	25	25	25	12.8	150	44.8	-6	-6	0.76	GI082	DS15	AT006
	DSDNN 3232 P 19	32	32	32	16.5	170	49.5	-6	-6	1.36	GI026	DS19	–
	DSDNN 4040 S 25	40	40	40	21	250	57.2	-6	-6	3.13	GI027	DS25	–

GI026	SN.. 1906..
GI027	SN.. 2507..
GI029	SN.. 1204..
GI082	SN.. 1506..

		Nm				
DS12	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	–
DS15	DCS 16	6.4	DSS 425-03	US 2007-T20P	–	LK T20P
DS19	DCS 19	6.4	DSS 425-04	US 2007-T20P	–	LK T20P
DS25	DCS 25	9.5	DSS 425-07	US 2008-T25P	–	LK T25P

AT003a	SN.. 1207..	–	DSS 425-02
AT006a	SN.. 1507..	–	DSS 425-05
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–
AT006b	CER CN.N 1606..	DCS 16C4	–
AT006c	CER CN.A 1606..	DCS 16C2	–

DSKN(RL) EXT

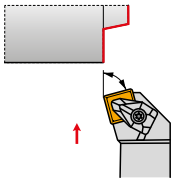
P M K N S H

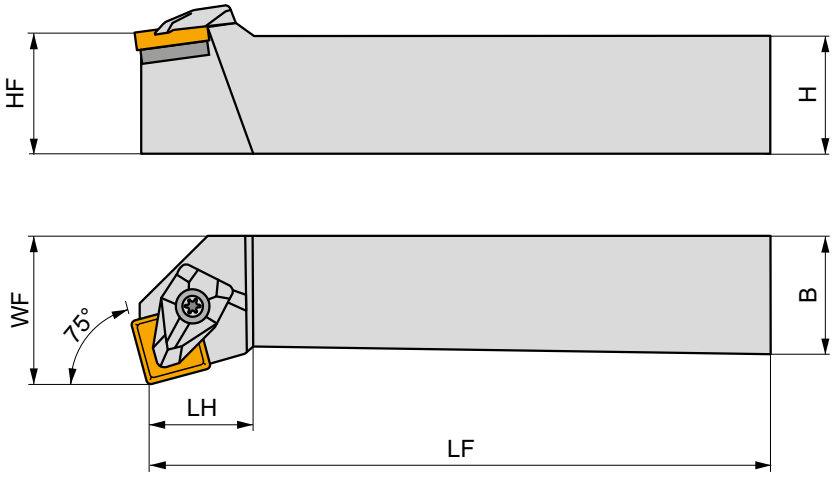
PRAMET

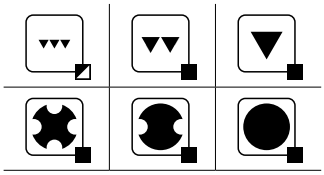
D

Portaherramientas de Exterior con Fijación Doble, a 75° (Frontal), para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 75°. Adecuado para refrentado sin escuadra y achaflanado con plaquitas negativas SN .. 12 o 19. Disponible con mangos de 25x25 y 32x32 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg			
R	DSKNR 2525 M 12	25	25	25	32	150	23.6	-6	-6	0.79	GI029	DS12	AT003
	DSKNR 3232 P 19	32	32	32	40	170	32.1	-6	-6	1.46	GI026	DS19	–
L	DSKNL 2525 M 12	25	25	25	32	150	23.6	-6	-6	0.79	GI029	DS12	AT003
	DSKNL 3232 P 19	32	32	32	40	170	32.1	-6	-6	1.46	GI026	DS19	–

GI026	SN.. 1906..
GI029	SN.. 1204..

DS12	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	–
DS19	DCS 19	6.4	DSS 425-04	US 2007-T20P	–	LK T20P

AT003a	SN.. 1207..	–	DSS 425-02
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–

DSSN(RL) EXT

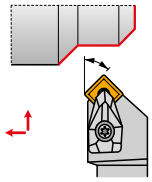
P M K N S H

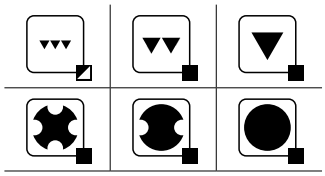
PRAMET

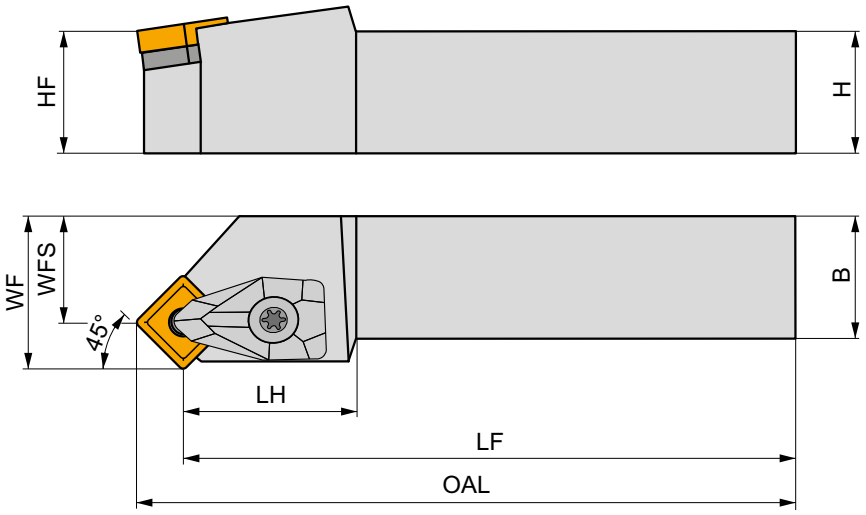
D

Portaherramientas de Exterior con Fijación Doble, a 45°, para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 45°. Adecuado para torneado longitudinal sin escuadra, refrentado, torneado en cono, copiado y achaflanado con plaquitas negativas SN .. 12, 15 o 19. Disponible con mangos de 20x20 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	WFS (mm)	LF (mm)	OAL (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg			
R	**DSSNR 2020 K 12**	20	20	20	25	16.7	125	133.3	27.5	0	-8	0.45	GI029	DS12	AT003
	DSSNR 2525 M 12	25	25	25	32	23.7	150	158.3	27.5	0	-8	0.80	GI029	DS12	AT003
	DSSNR 2525 M 15	25	25	25	32	21.8	150	160.2	32	0	-8	0.83	GI082	DS15	AT006
	DSSNR 3225 P 15	32	25	32	32	21.8	170	180.2	34.9	0	-8	1.16	GI082	DS15	AT006
	DSSNR 3232 P 19	32	32	32	40	27.5	170	182.5	37	0	-8	1.48	GI026	DS19	–
	DSSNR 4040 S 19	40	40	40	50	37.5	250	262.5	37.7	0	-8	3.27	GI026	DS19	–
L	**DSSNL 2020 K 12**	20	20	20	25	16.7	125	133.3	27.5	0	-8	0.45	GI029	DS12	AT003
	DSSNL 2525 M 12	25	25	25	32	23.7	150	158.3	27.5	0	-8	0.19	GI029	DS12	AT003
	DSSNL 2525 M 15	25	25	25	32	21.8	150	160.2	32	0	-8	0.83	GI082	DS15	AT006
	DSSNL 3225 P 15	32	25	32	32	21.8	170	180.2	34.9	0	-8	1.16	GI082	DS15	AT006
	DSSNL 3232 P 19	32	32	32	40	27.5	170	182.5	37	0	-8	1.48	GI026	DS19	–
	DSSNL 4040 S 19	40	40	40	50	37.5	250	262.5	37.7	0	-8	3.27	GI026	DS19	–

GI026	SN.. 1906..
GI029	SN.. 1204..
GI082	SN.. 1506..

		Nm				
DS12	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	–
DS15	DCS 16	6.4	DSS 425-03	US 2007-T20P	–	LK T20P
DS19	DCS 19	6.4	DSS 425-04	US 2007-T20P	–	LK T20P

AT003a	SN.. 1207..	–	DSS 425-02
AT006a	SN.. 1507..	–	DSS 425-05
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–
AT006b	CER CN.N 1606..	DCS 16C4	–
AT006c	CER CN.A 1606..	DCS 16C2	–

PSBN(RL) EXT

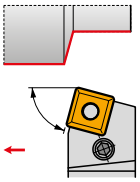
P M K N S H

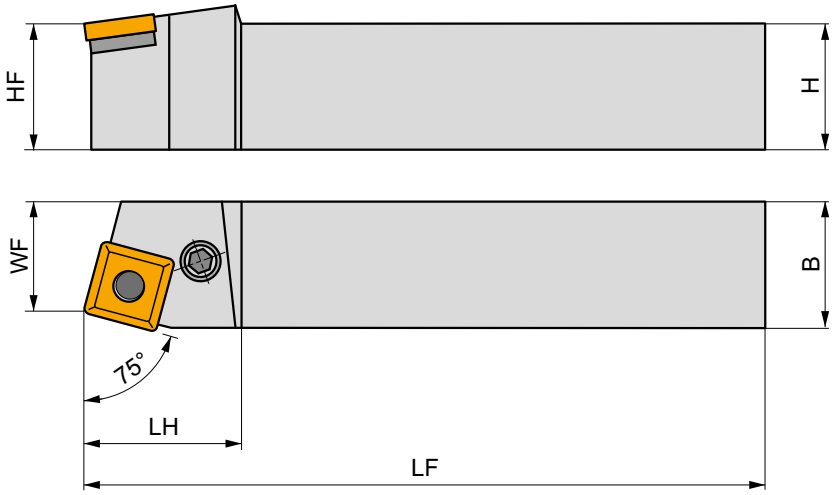
PRAMET

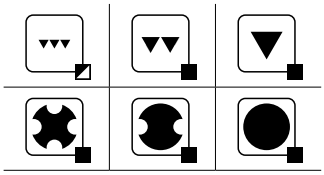
P

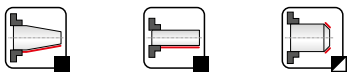
Portaherramientas de Exterior con Fijación por Palanca, a 75°, para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 75°. Adecuado para torneado longitudinal sin escuadra, torneado en cono y achaflanado con plaquitas negativas SN.. 12, 15, 19 o 25. Disponible con mangos de 20x20 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PSBNR 2020 K 12	20	20	20	17	125	36	-6	-6	0.43	GI029	PS22
	PSBNR 2525 M 12	25	25	25	22	150	36	-6	-6	0.75	GI029	PS20
	PSBNR 3225 P 15	32	25	32	22	170	40	-6	-6	1.05	GI082	PS40
	PSBNR 3232 P 19	32	32	32	27	170	45	-6	-6	1.30	GI026	PS50
	PSBNR 4040 R 19	40	40	40	35	200	45	-6	-6	2.40	GI026	PS50
	PSBNR 4040 S 19	40	40	40	35	250	45	-6	-6	3.12	GI026	PS50
	PSBNR 4040 R 25	40	40	40	35	200	45	-6	-6	2.45	GI027	PS60
	PSBNR 4040 S 25	40	40	40	35	250	50	-6	-6	2.85	GI027	PS60
	PSBNR 4040 S 2509	40	40	40	35	250	50	-6	-6	2.50	GI040	PS70
	PSBNR 4040 S 2512-A	40	40	40	35	250	50	-6	-6	3.08	GI162	PS72
	PSBNR 5050 S 25	50	50	50	43	250	50	-6	-6	4.70	GI027	PS60
	PSBNR 5050 T 25	50	50	50	43	300	50	-6	-6	5.83	GI027	PS60
	PSBNR 5050 T 2509	50	50	50	43	300	50	-6	-6	5.50	GI040	PS70
	PSBNR 5050 T 2512-A	50	50	50	43	300	50	-6	-6	5.83	GI162	PS72
L	PSBNL 2020 K 12	20	20	20	17	125	36	-6	-6	0.42	GI029	PS22
	PSBNL 2525 M 12	25	25	25	22	150	36	-6	-6	0.75	GI029	PS20
	PSBNL 3225 P 15	32	25	32	22	170	40	-6	-6	1.05	GI082	PS40
	PSBNL 3232 P 19	32	32	32	27	170	45	-6	-6	1.36	GI026	PS50
	PSBNL 4040 R 19	40	40	40	35	200	45	-6	-6	2.50	GI026	PS50
	PSBNL 4040 S 19	40	40	40	35	250	45	-6	-6	3.13	GI026	PS50
	PSBNL 4040 R 25	40	40	40	35	200	45	-6	-6	2.45	GI027	PS60
	PSBNL 4040 S 25	40	40	40	35	250	50	-6	-6	3.10	GI027	PS60
	PSBNL 4040 S 2509	40	40	40	35	250	50	-6	-6	2.50	GI040	PS70
	PSBNL 4040 S 2512-A	40	40	40	35	250	50	-6	-6	3.11	GI162	PS72
	PSBNL 5050 S 25	50	50	50	43	250	50	-6	-6	4.70	GI027	PS60
	PSBNL 5050 T 25	50	50	50	43	300	50	-6	-6	5.84	GI027	PS60
	PSBNL 5050 T 2509	50	50	50	43	300	50	-6	-6	5.80	GI040	PS70

	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
L	**PSBNL 5050 T 2512-A**	50	50	50	43	300	50	-6	-6	5.82	GI162	PS72

GI026	SN.. 1906..
GI027	SN.. 2507..
GI029	SN.. 1204..
GI040	SN.. 2509..
GI082	SN.. 1506..
GI162	SN.. 2512..

				Nm					
PS20	SNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PS22	SNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PS40	SNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PS60	SNU 250624	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5
PS70	SNU 250624	PU 06	US 47	8.0	M 12x1	36	NT 08	MT 08	HXK 5
PS72	SNU 250624	PU 10-N	PS 12040	8.0	M 12x1	40	NT 08	MT 08	HXK 5

PSDNN EXT

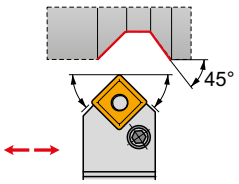
P M K N S H

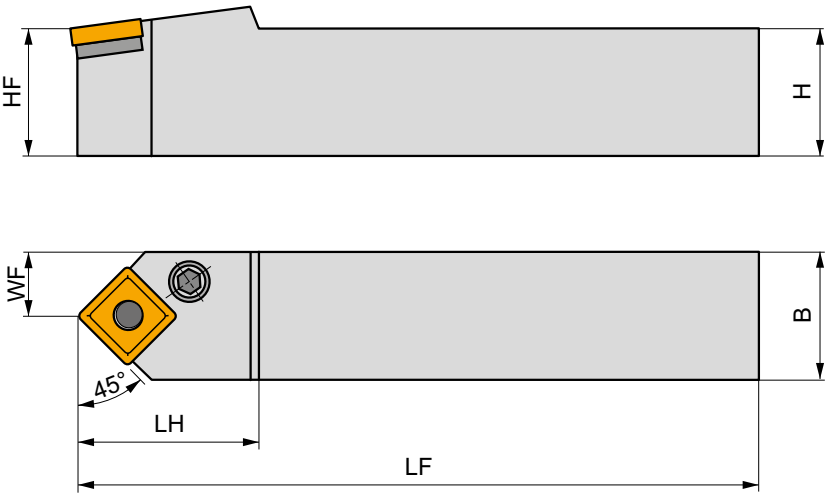
PRAMET

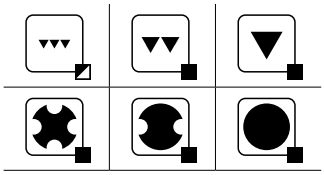
P

Portaherramientas de Exterior con Fijación por Palanca, a 45°, para Plaquitas SN..

Portaherramientas de exterior neutro con fijación por palanca y ángulo de posición de 45 °. Adecuado para torneado longitudinal sin escuadra, copiado, torneado en cono y achaflanado con plaquitas negativas SN .. 12, 15, 19 o 25. Disponible con mangos de 25x25 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
N	**PSDNN 2020 K 12**	20	20	20	10	125	36	-6	-6	0.42	GI029	PS22
	PSDNN 2525 M 12	25	25	25	12.5	150	36	-6	-6	0.68	GI029	PS20
	PSDNN 3232 P 15	32	32	32	16	170	40	-6	-6	1.32	GI082	PS40
	PSDNN 3232 P 19	32	32	32	16	170	45	-6	-6	1.25	GI026	PS50
	PSDNN 4040 S 19	40	40	40	20	250	45	-6	-6	3.05	GI026	PS50
	PSDNN 4040 S 25	40	40	40	20	250	50	-6	-6	3.02	GI027	PS60
	PSDNN 5050 T 25	50	50	50	25	300	50	-6	-6	5.65	GI027	PS60

GI026	SN.. 1906..
GI027	SN.. 2507..
GI029	SN.. 1204..
GI082	SN.. 1506..

				Nm					
PS20	SNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PS22	SNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PS40	SNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PS60	SNU 250624	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5

PSKN(RL) EXT

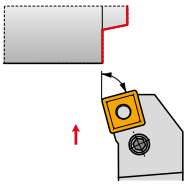
P M K N S H

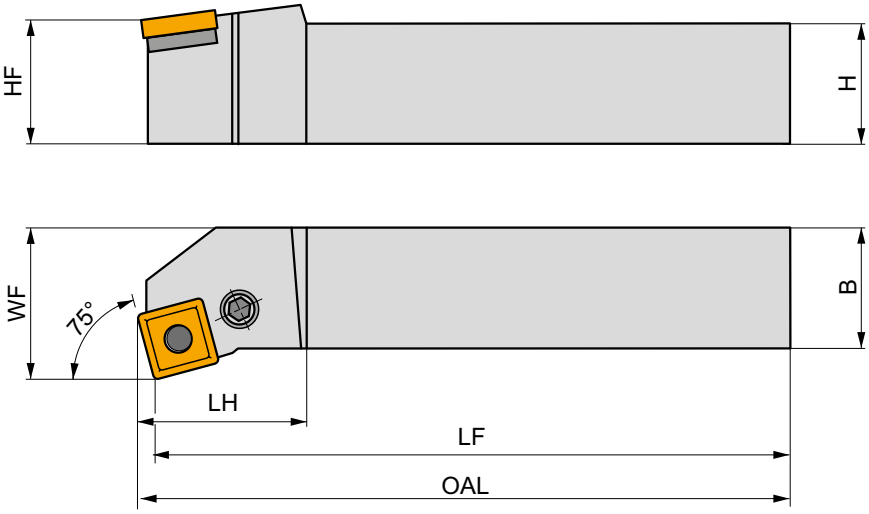
PRAMET

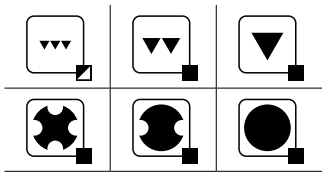
P

Portaherramientas de Exterior con Fijación por Palanca, a 75°, (Refrentado) para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 75°. Adecuado para refrentado sin escuadra y achaflanado con plaquitas negativas SN.. 12, 15, 19 o 25. Disponible con mangos de 20x20 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	OAL (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PSKNR 2020 K 12	20	20	20	25	125	128.1	36	-6	-6	0.43	GI029	PS22
	PSKNR 2525 M 12	25	25	25	32	150	153.1	36	-6	-6	0.79	GI029	PS20
	PSKNR 3225 P 15	32	25	32	32	170	173.9	40	-6	-6	0.40	GI082	PS40
	PSKNR 3232 P 19	32	32	32	40	170	174.6	45	-6	-6	1.40	GI026	PS50
	PSKNR 4040 S 19	40	40	40	50	250	254.6	45	-6	-6	3.25	GI026	PS50
	PSKNR 4040 S 25	40	40	40	50	250	256.5	50	-6	-6	3.40	GI027	PS60
	PSKNR 5050 T 25	50	50	50	60	300	306.5	50	-6	-6	6.05	GI027	PS60
	PSKNR 5050 T 2509	50	50	50	60	300	306.5	50	-6	-6	6.20	GI040	PS70
L	PSKNL 2020 K 12	20	20	20	25	125	128.1	36	-6	-6	0.43	GI029	PS22
	PSKNL 2525 M 12	25	25	25	32	150	153.1	36	-6	-6	0.79	GI029	PS20
	PSKNL 3225 P 15	32	25	32	32	170	173.9	40	-6	-6	1.05	GI082	PS40
	PSKNL 3232 P 19	32	32	32	40	170	174.6	45	-6	-6	1.40	GI026	PS50
	PSKNL 4040 S 19	40	40	40	50	250	254.6	45	-6	-6	3.26	GI026	PS50
	PSKNL 4040 S 25	40	40	40	50	250	256.5	50	-6	-6	3.40	GI027	PS60
	PSKNL 5050 T 25	50	50	50	60	300	306.5	50	-6	-6	6.00	GI027	PS60
	PSKNL 5050 T 2509	50	50	50	60	300	306.5	50	-6	-6	6.20	GI040	PS70

GI026	SN.. 1906..
GI027	SN.. 2507..
GI029	SN.. 1204..
GI040	SN.. 2509..
GI082	SN.. 1506..

PS20	SNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PS22	SNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PS40	SNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PS60	SNU 250624	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5
PS70	SNU 250624	PU 06	US 47	8.0	M 12x1	36	NT 08	MT 08	HXK 5

PSSN(RL) EXT

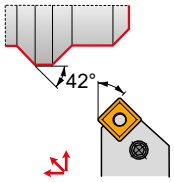
P M K N S H

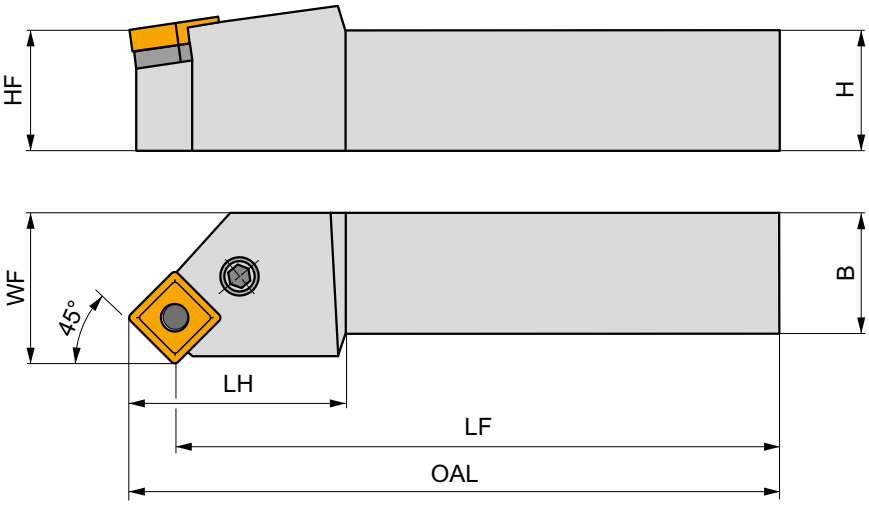
PRAMET

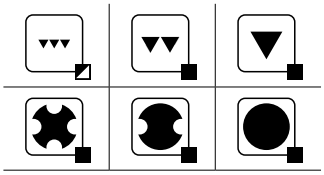
P

Portaherramientas de Exterior con Fijación por Palanca, a 45°, para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 45°. Adecuado para torneado y refrentado sin escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas SN.. 12, 15, 19 o 25. Disponible con mangos de 20x20 hasta 50x50 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	OAL (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	PSSNR 2020 K 12	20	20	20	25	125	133.3	36	0	-8	0.41	GI029	PS22
	PSSNR 2525 M 12	25	25	25	32	150	158.3	36	0	-8	0.75	GI029	PS20
	PSSNR 3225 P 15	32	25	32	32	170	180.2	40	0	-8	1.13	GI082	PS40
	PSSNR 3232 P 19	32	32	32	40	170	182.5	45	0	-8	1.34	GI026	PS50
	PSSNR 4040 R 19	40	40	40	50	200	212.5	45	0	-8	2.50	GI026	PS50
	PSSNR 5050 T 25	50	50	50	60	300	316	50	0	-8	6.00	GI027	PS60
	PSSNR 5050 T 2509	50	50	50	60	300	316	50	0	-8	6.05	GI040	PS70
L	PSSNL 2020 K 12	20	20	20	25	125	133.3	36	0	-8	0.41	GI029	PS22
	PSSNL 2525 M 12	25	25	25	32	150	158.3	36	0	-8	0.67	GI029	PS20
	PSSNL 3225 P 15	32	25	32	32	170	180.2	40	0	-8	1.15	GI082	PS40
	PSSNL 3232 P 19	32	32	32	40	170	182.5	45	0	-8	1.44	GI026	PS50
	PSSNL 4040 R 19	40	40	40	50	200	212.5	45	0	-8	2.58	GI026	PS50
	PSSNL 5050 T 25	50	50	50	60	300	316	50	0	-8	6.00	GI027	PS60
	PSSNL 5050 T 2509	50	50	50	60	300	316	50	0	-8	6.08	GI040	PS70

GI026	SN.. 1906..
GI027	SN.. 2507..
GI029	SN.. 1204..
GI040	SN.. 2509..
GI082	SN.. 1506..

				Nm					
PS20	SNU 120312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PS22	SNU 120312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4
PS40	SNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PS60	SNU 250624	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5
PS70	SNU 250624	PU 06	US 47	8.0	M 12x1	36	NT 08	MT 08	HXK 5

NEW

C.-DSDNN EXT

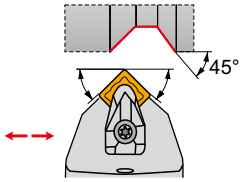
P M K N S H

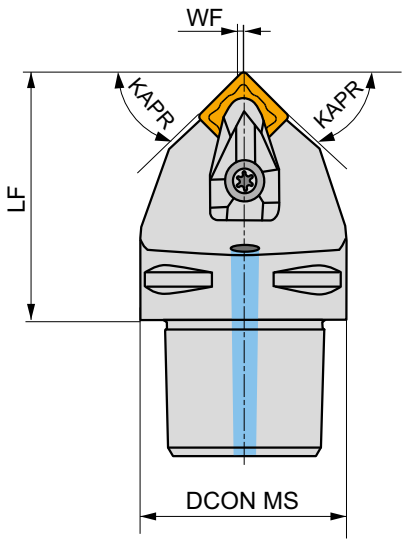
PRAMET

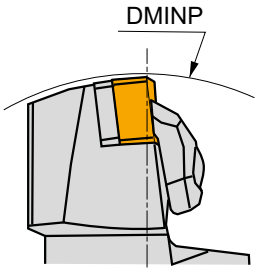
D

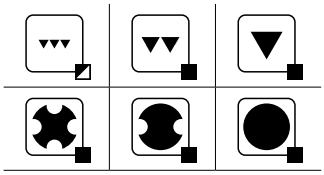
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 45°, para Plaquitas SN..

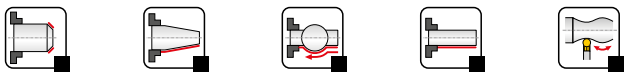
Portaherramientas de exterior neutro con fijación doble y ángulo de posición de 45 ° con refrigeración interna. Adecuado para torneado longitudinal sin escuadra, copiado, torneado en cono y achaflanado con plaquitas negativas SN .. 12 o 19. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños desde C4 hasta C6. Cuerpo tratado para una vida útil más larga.











	Producto	DCON MS (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
N	C4-DSDNN-00050-12	40	140	0.3	50	45	-6	-6	✓	0.39	GI029	C-DS12-2	AT003
	C5-DSDNN-00060-12	50	165	0.3	60	45	-6	-6	✓	0.69	GI029	C-DS12-2	AT003
	C6-DSDNN-00070-19	63	195	0.5	70	45	-6	-6	✓	1.28	GI026	C-DS19	–

GI026	SN.. 1906..
GI029	SN.. 1204..

		Nm					
C-DS12-2	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	–	CN 045-01
C-DS19	DCS 19	6.4	DSS 425-04	US 2007-T20P	–	LK T20P	CN 045-01

AT003a	SN.. 1207..	–	DSS 425-02
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–

NEW

C.-DSKN(RL) EXT

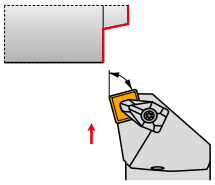
P M K N S H

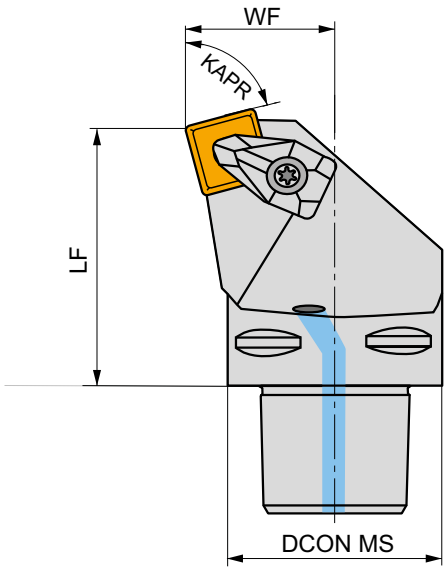
PRAMET

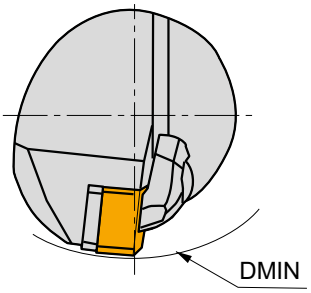
D

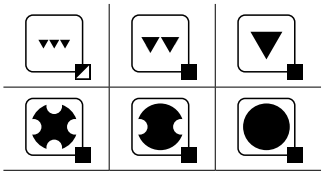
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 75° (Frontal), para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 75° para refrentado sin escuadra y achaflanado con plaquitas negativas SN.. 12. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaño C4. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	C4-DSKNR-27050-12	40	110	27	50	75	-6	-6	✓	0.46	GI029	C-DS12-1	AT003
L	C4-DSKNL-27050-12	40	110	27	50	75	-6	-6	✓	0.46	GI029	C-DS12-1	AT003

GI029	SN.. 1204..

C-DS12-1	DCS 12	3.9 Nm	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	CN 034-01

AT003a	SN.. 1207..	–	DSS 425-02
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–

NEW

C.-DSRN(RL) EXT

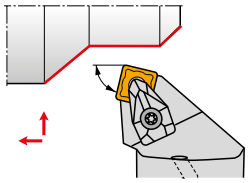
P M K N S H

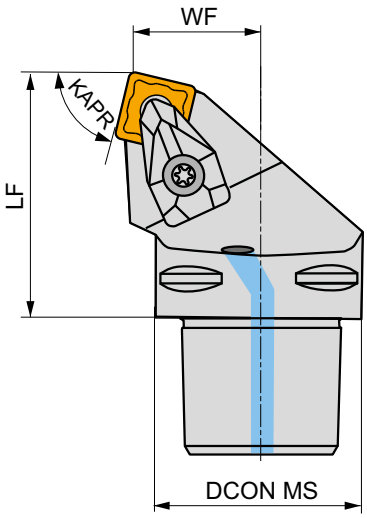
PRAMET

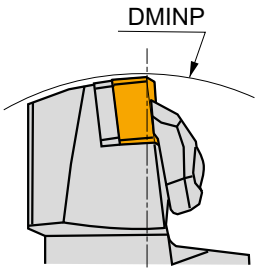
D

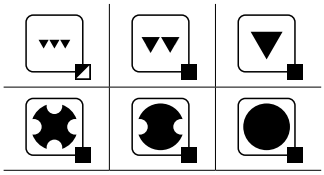
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 75°, para Plaquitas SN..

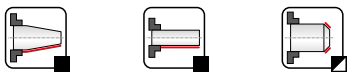
Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 75° para torneado longitudinal sin escuadra, torneado en cono y achaflanado con plaquitas negativas SN.. 12 o 19. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 hasta C6. Cuerpo tratado para una vida útil más larga.











	Producto	DCON MS (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	C4-DSRNR-22050-12	40	140	22	50	75	-6	-6	✓	0.40	GI029	C-DS12-1	AT003
	C6-DSRNR-35065-19	63	190	35	65	75	-6	-6	✓	1.30	GI026	C-DS19	–
L	C4-DSRNL-22050-12	40	140	22	50	75	-6	-6	✓	0.42	GI029	C-DS12-1	AT003
	C6-DSRNL-35065-19	63	190	35	65	75	-6	-6	✓	1.30	GI026	C-DS19	–

GI026	SN.. 1906..
GI029	SN.. 1204..

C-DS12-1	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	–	CN 034-01
C-DS19	DCS 19	6.4	DSS 425-04	US 2007-T20P	–	LK T20P	CN 045-01

AT003a	SN.. 1207..	–	DSS 425-02
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–

NEW

C.-DSSN(RL) EXT

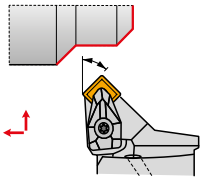
P M K N S H

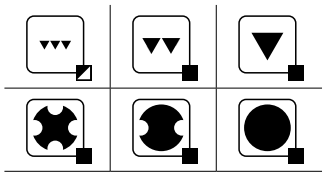
PRAMET

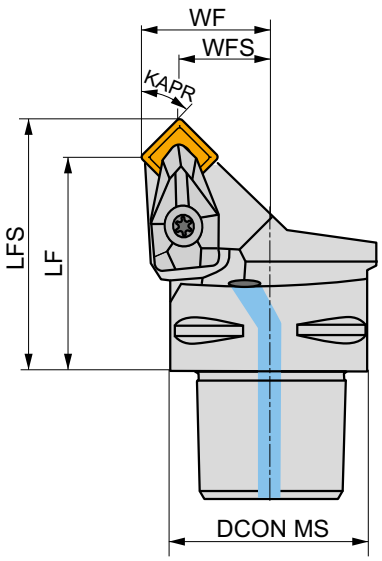
D

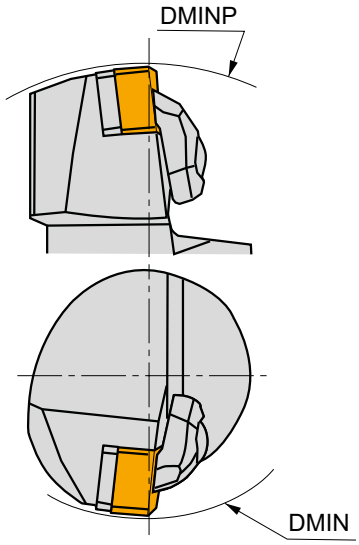
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 45°, para Plaquitas SN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 45° para torneado longitudinal sin escuadra, refrentado, torneado en cono, copiado y achaflanado con plaquitas negativas SN.. 12. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 y C5. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	WFS (mm)	LF (mm)	LFS (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	**C4-DSSNR-27042-12**	40	110	140	27	18.7	42	50.3	45	0	-8	✓	0.38	GI029	C-DS12-1	AT003
	C5-DSSNR-35052-12	50	110	165	35	26.7	52	60.3	45	0	-8	✓	0.68	GI029	C-DS12-3	AT003
L	**C4-DSSNL-27042-12**	40	110	140	27	18.7	42	50.3	45	0	-8	✓	0.36	GI029	C-DS12-1	AT003
	C5-DSSNL-35052-12	50	110	165	35	26.7	52	60.3	45	0	-8	✓	0.69	GI029	C-DS12-3	AT003

GI029	SN.. 1204..

		Nm				
C-DS12-1	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	CN 034-01
C-DS12-3	DCS 12	3.9	DSS 425-01	US 2002-T15P	FLAG T15P/3,5	CN 034-02

AT003a	SN.. 1207..	–	DSS 425-02
AT003b	CER SN.N 1204..	DCS 12C4	–
AT003c	CER SN.A 1204..	DCS 12C2	–

KHP-SBN(RL)

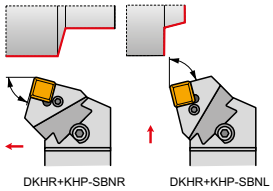
P M K

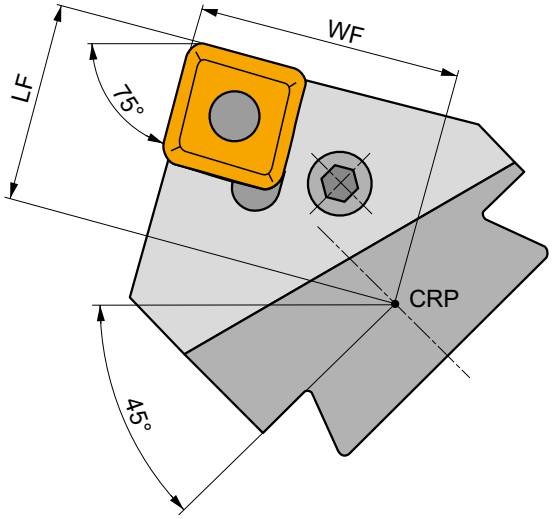
PRAMET

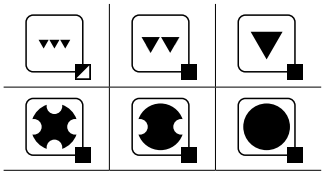
P

Cartucho para Torneado Pesado KHP, Fijación por Palanca y Ángulo de Posición 75° para Plaquita SN..

Cartucho para torneado pesado con fijación por palanca a derecha o izquierda, con ángulo de posición de 75º ,para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado longitudinal sin escuadra, refrentado, torneado cónico y achaflanado con plaquitas negativas SN ..19 o 25. Portaherramientas tratado para una vida útil más larga.







	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	KHP-SBNR 19	47	36	-6	-6	1.51	GI026	PS50
	KHP-SBNR 25	47	36	-6	-6	1.47	GI027	PS60
	KHP-SBNR 2509	47	36	-6	-6	1.45	GI040	PS70
	KHP-SBNR 2512-A	47	36	-6	-6	1.71	GI162	PS72
L	KHP-SBNL 19	47	36	-6	-6	1.96	GI026	PS50
	KHP-SBNL 25	47	36	-6	-6	1.48	GI027	PS60
	KHP-SBNL 2509	47	36	-6	-6	1.46	GI040	PS70
	KHP-SBNL 2512-A	47	36	-6	-6	1.45	GI162	PS72

GI026	SN.. 1906..
GI027	SN.. 2507..
GI040	SN.. 2509..
GI162	SN.. 2512..

				Nm					
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PS60	SNU 250624	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5
PS70	SNU 250624	PU 06	US 47	8.0	M 12x1	36	NT 08	MT 08	HXK 5
PS72	SNU 250624	PU 10-N	PS 12040	8.0	M 12x1	40	NT 08	MT 08	HXK 5

KHP-SSN(RL)

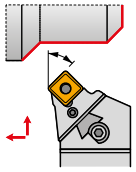
P M K

PRAMET

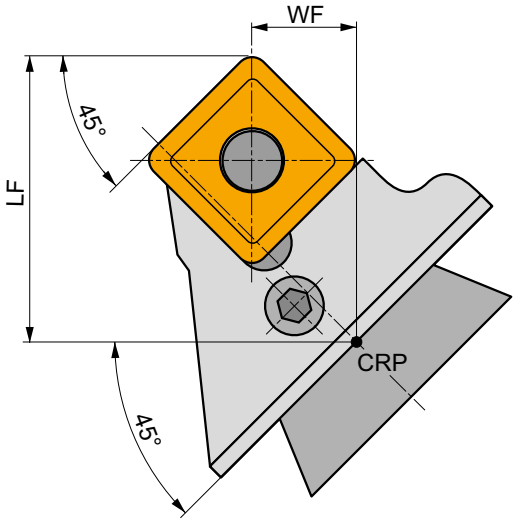
P

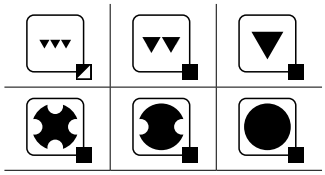
Cartucho para Torneado Pesado KHP, Fijación por Palanca y Ángulo de Posición 45° para Plaquita SN..

Cartucho para torneado pesado con fijación por palanca a derecha o izquierda, con ángulo de posición de 45º ,para montaje en cola de milano en portaherramientas DKH. Adecuado para torneado longitudinal sin escuadra, refrentado, copiado, torneado cónico y achaflanado con plaquitas negativas SN .. 19 o 25. Portaherramientas tratado para una vida útil más larga.



DKHR+KHP-SSNR





	Producto	WF (mm)	LF (mm)	LAMS (°)	GAMO (°)	kg		
R	KHP-SSNR 19	15	45	-6	-6	1.28	GI026	PS50
	KHP-SSNR 25	15	45	-6	-6	0.98	GI027	PS60
L	KHP-SSNL 19	15	45	-6	-6	1.03	GI026	PS50
	KHP-SSNL 25	15	45	-6	-6	1.30	GI027	PS60

GI026	SN.. 1906..
GI027	SN.. 2507..

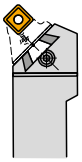
				Nm					
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5
PS60	SNU 250624	PU 06	US 39	8.0	M 10x1	33	NT 08	MT 08	HXK 5

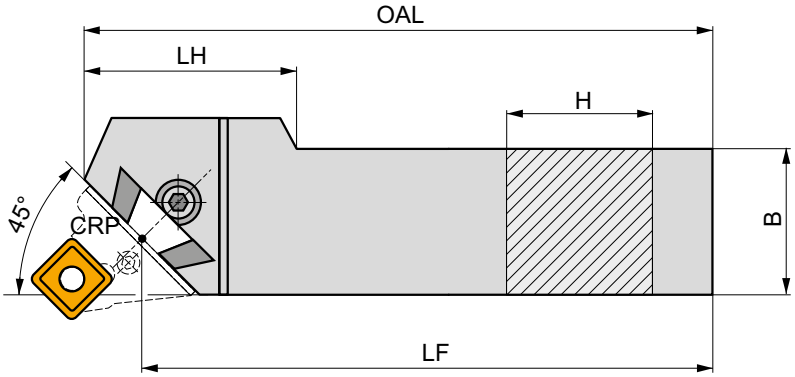
DKH(RL)

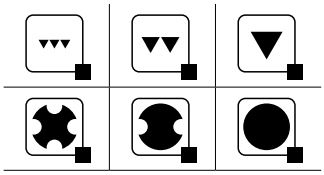
PRAMET

Portaherramientas de Exterior para Cartuchos de Torneado Pesado KHP/KHS

Portaherramientas modular a derecha o izquierda, para montaje con cola de milano de cartuchos KHP/KHS. Disponibles con mangos desde tamaño 40x50 hasta 60x80. Portaherramientas tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	LF (mm)	OAL (mm)	LH (mm)	kg		
R	**DKHR 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHR 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHR 6080 W-A	60	80	450	485	90	19.65	GI098	DKH10
L	**DKHL 4050 V**	40	50	400	425	100	7.10	GI098	DKH10
	DKHL 5060 W	50	60	450	475	110	11.30	GI098	DKH10
	DKHL 6080 W-A	60	80	450	485	90	19.28	GI098	DKH10

GI098	KHP	KHS

DKH10	SR 14	HXK 10

PSKN(RL) INT

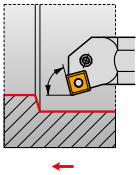
P M K N S H

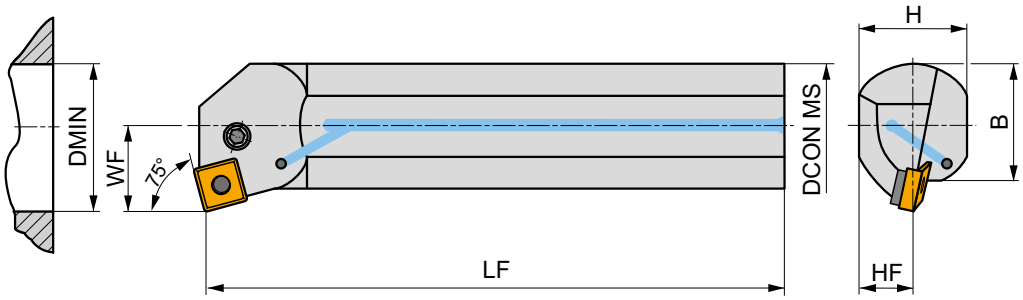
PRAMET

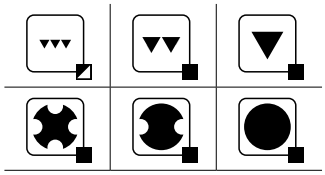
P

Portaherramientas de Interior con Fijación por Palanca, a 75°, para Plaquitas SN..

Portaherramientas de interior a derecha o izquierda con fijación por palanca, refrigeración interna y ángulo de posición de 75° para plaquitas negativas SN.. 12, 15 y 19. Agujero mínimo de Ø40 mm. Para torneado longitudinal sin escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø32 hasta Ø60. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	**A32S-PSKNR 12**	32	40	22	30	30	250	-12	-6	✓	1.50	GI029	PS21
	A40T-PSKNR 15	40	50	27	38	38	300	-12	-6	✓	2.90	GI082	PS41
	A50U-PSKNR 15	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI082	PS40
	A50U-PSKNR 19	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI026	PS50
	A60V-PSKNR 19	60	80	43	57	58.5	400	-12	-6	✓	8.70	GI026	PS50
L	**A32S-PSKNL 12**	32	40	22	30	30	250	-12	-6	✓	1.40	GI029	PS21
	A40T-PSKNL 15	40	50	27	38	38	300	-12	-6	✓	2.90	GI082	PS41
	A50U-PSKNL 15	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI082	PS40
	A50U-PSKNL 19	50	63	35	47	48.5	350	-12	-6	✓	5.20	GI026	PS50

GI026	SN.. 1906..
GI029	SN.. 1204..
GI082	SN.. 1506..

				Nm					
PS21	SNU 120312	PU 02	US 41	6.0	M 8x1	17	NT 05	MT 05	HXK 4
PS40	SNU 150312	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4
PS41	SNU 150312	PU 04	US 40	6.0	M 8x1	20.5	NT 07	MT 07	HXK 4
PS50	SNU 190416	PU 05	US 38	8.0	M 10x1	29	NT 06	MT 06	HXK 5

TN

16/ 22/ 27/ 33

PLAQUITAS DE METAL DURO

TNMA

334

TNMG

335

TNMM

342

PLAQUITAS CER Y CBN

TNGA CER

343

TNGN CER

344

TNGA CBN

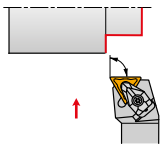
344

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
TNMM **16**0412E-OR	DTFNR 2525 M **16**

TORNEADO ISO - EXTERIOR

DTFN(RL) EXT

90°



TN..
16
22

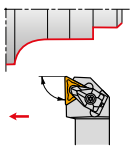
20×20 / 25×25

345

334 – 344

DTGN(RL) EXT

90°



TN..
16
22

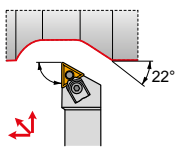
20×20 / 32×25

346

334 – 344

MTJN(RL) EXT

93°



TN..
16
22

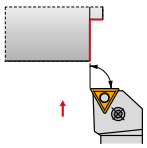
16×16 / 32×32

347

334 – 344

PTFN(RL) EXT

90°



TN..
16
22
27

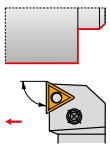
16×16 / 40×40

348

334 – 344

PTGN(RL) EXT

90°



TN..
16
22
27

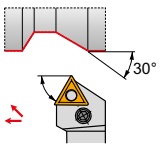
16×16 / 40×40

349

334 – 344

PTTN(RL) EXT

60°



TN..
16
22

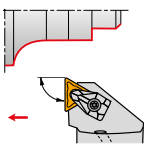
20×20 / 32×25

350

334 – 344

C.-DTJN(RL) EXT NEW

93°



TN..
16

C4 / C5

351

334 – 344

TN

16/ 22/ 27/ 33

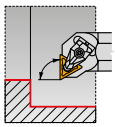
TORNEADO ISO - INTERIOR

DTFN(RL) INT

90°

TN..

16
22



ØDmin 32 / 50

352

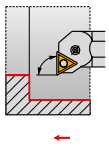
334 – 344

PTFN(RL) INT

90°

TN..

16
22



ØDmin 32 / 50

353

334 – 344

C.-DTFN(RL) INT NEW

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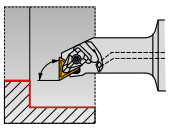


ØDmin 32

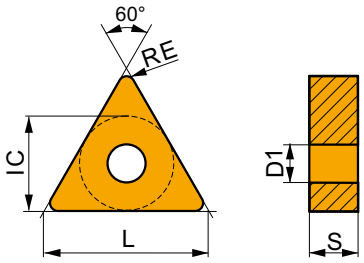
354

334 – 344

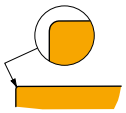
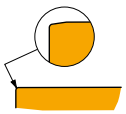
TNMA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.50	4.76
2204	12.700	5.16	22.00	4.76



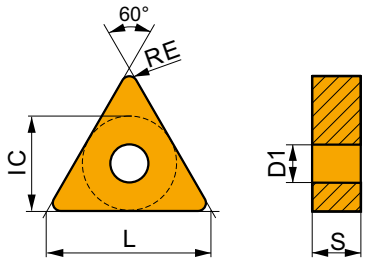
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			E																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
TNMA 160404	**T5305**	0.4	–	–	–	–	–	–	220	0.10	1.5	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	190	0.10	1.5	–	–	–	–	–	–	40	0.15	1.0
TNMA 160408	**T5305**	0.8	–	–	–	–	–	–	205	0.20	1.5	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	180	0.20	1.5	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	90	0.20	1.5	–	–	–	–	–	–	20	0.15	1.0
TNMA 160412	**T5305**	1.2	–	–	–	–	–	–	215	0.20	1.5	–	–	–	–	–	–	45	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	190	0.20	1.5	–	–	–	–	–	–	40	0.15	1.0
TNMA 220408	**T5305**	0.8	–	–	–	–	–	–	195	0.20	2.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	175	0.20	2.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	90	0.20	2.0	–	–	–	–	–	–	20	0.15	1.0
TNMA 220412	**T5305**	1.2	–	–	–	–	–	–	205	0.20	2.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	185	0.20	2.0	–	–	–	–	–	–	35	0.15	1.0
			S																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
TNMA 160408S	**T5305**	0.8	–	–	–	–	–	–	205	0.20	1.5	–	–	–	–	–	–	40	0.15	1.0

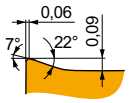
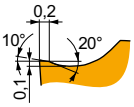
TNMG

PRAMET

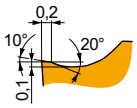
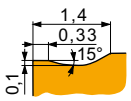
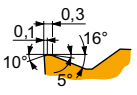
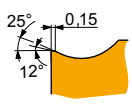
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.50	4.76
2204	12.700	5.16	22.00	4.76
2706	15.875	6.35	27.50	6.35
3309	19.050	7.94	33.00	9.525



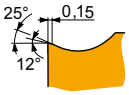
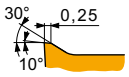
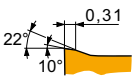
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																	
TNMG 160404E-FF	**T7325**	0.4	200	0.12	1.0	155	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	185	0.12	1.0	110	0.11	1.0	175	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8330	0.4	175	0.12	1.0	105	0.11	1.0	165	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	210	0.12	1.0	115	0.11	1.0	175	0.12	1.0	–	–	–	–	–	–	–	–	–
TNMG 160408E-FF	**T7325**	0.8	225	0.15	1.0	175	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	205	0.15	1.0	120	0.14	1.0	190	0.15	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
TNMG 160404E-FM	**T7325**	0.4	160	0.20	1.7	120	0.18	1.7	–	–	–	–	–	–	50	0.20	1.4	–	–	–
	T7335	0.4	160	0.20	1.7	120	0.18	1.7	–	–	–	–	–	–	50	0.20	1.4	–	–	–
	T8315	0.4	150	0.20	1.7	90	0.18	1.7	140	0.20	1.7	–	–	–	35	0.14	1.4	–	–	–
	T8330	0.4	145	0.20	1.7	85	0.18	1.7	135	0.20	1.7	–	–	–	35	0.14	1.4	–	–	–
	T8430	0.4	165	0.20	1.7	90	0.18	1.7	135	0.20	1.7	–	–	–	35	0.14	1.4	–	–	–
	T9310	0.4	245	0.20	1.7	–	–	–	230	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9315	0.4	220	0.20	1.7	–	–	–	205	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	200	0.20	1.7	120	0.18	1.7	190	0.20	1.7	–	–	–	45	0.20	1.4	–	–	–
	TT310	0.4	225	0.20	1.7	135	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 160408E-FM	**T7325**	0.8	195	0.20	1.7	150	0.18	1.7	–	–	–	–	–	–	60	0.16	1.4	–	–	–
	T7335	0.8	190	0.20	1.7	145	0.18	1.7	–	–	–	–	–	–	60	0.16	1.4	–	–	–
	T8315	0.8	180	0.20	1.7	105	0.18	1.7	170	0.20	1.7	–	–	–	45	0.16	1.4	–	–	–
	T8330	0.8	170	0.20	1.7	100	0.18	1.7	160	0.20	1.7	–	–	–	40	0.16	1.4	–	–	–
	T8430	0.8	195	0.20	1.7	105	0.18	1.7	160	0.20	1.7	–	–	–	40	0.16	1.4	–	–	–
	T9310	0.8	290	0.20	1.7	–	–	–	275	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9315	0.8	265	0.20	1.7	–	–	–	250	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	235	0.20	1.7	140	0.18	1.7	220	0.20	1.7	–	–	–	50	0.16	1.4	–	–	–
	TT310	0.8	270	0.20	1.7	160	0.18	1.7	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 160412E-FM	**T7325**	1.2	190	0.25	1.7	145	0.23	1.7	–	–	–	–	–	–	60	0.18	1.4	–	–	–
	T8330	1.2	165	0.25	1.7	95	0.23	1.7	155	0.25	1.7	–	–	–	40	0.18	1.4	–	–	–
	T8430	1.2	185	0.25	1.7	100	0.23	1.7	150	0.25	1.7	–	–	–	40	0.18	1.4	–	–	–
	T9310	1.2	280	0.25	1.7	–	–	–	265	0.25	1.7	–	–	–	–	–	–	–	–	–
	T9315	1.2	255	0.25	1.7	–	–	–	240	0.25	1.7	–	–	–	–	–	–	–	–	–
	T9325	1.2	225	0.25	1.7	135	0.23	1.7	210	0.25	1.7	–	–	–	50	0.18	1.4	–	–	–
TNMG 220404E-FM	**T8330**	0.4	145	0.20	1.7	85	0.18	1.7	135	0.20	1.7	–	–	–	35	0.20	1.4	–	–	–
	T8430	0.4	150	0.24	1.7	80	0.22	1.7	125	0.24	1.7	–	–	–	30	0.22	1.4	–	–	–
	T9315	0.4	220	0.20	1.7	–	–	–	205	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	200	0.20	1.7	120	0.18	1.7	190	0.20	1.7	–	–	–	45	0.20	1.4	–	–	–

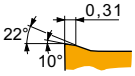
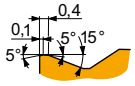
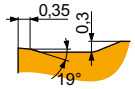
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																				
TNMG 220408E-FM	**T8330**	0.8	■ 170	0.20	1.7	◪ 100	0.18	1.7	■ 160	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T8430	0.8	■ 195	0.20	1.7	◪ 105	0.18	1.7	◪ 160	0.20	1.7	–	–	–	◪ 40	0.16	1.4	–	–	–
	T9315	0.8	■ 265	0.20	1.7	–	–	–	◪ 250	0.20	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 235	0.20	1.7	◪ 140	0.18	1.7	◪ 220	0.20	1.7	–	–	–	◪ 50	0.16	1.4	–	–	–
																				
Geometría KR para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
TNMG 160408E-KR	**T5305**	0.8	◪ 220	0.35	3.0	–	–	–	■ 205	0.35	3.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	T5315	0.8	◪ 200	0.35	3.0	–	–	–	■ 190	0.35	3.0	–	–	–	–	–	–	◪ 40	0.15	1.0
																				
Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																				
TNMG 160404E-M	**T5315**	0.4	◪ 215	0.20	1.6	–	–	–	■ 200	0.20	1.6	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.4	■ 205	0.20	1.6	–	–	–	◪ 190	0.20	1.6	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.4	■ 180	0.20	1.6	–	–	–	◪ 170	0.20	1.6	–	–	–	–	–	–	–	–	–
	T9335	0.4	■ 155	0.20	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 160408E-M	**T5305**	0.8	◪ 250	0.30	1.6	–	–	–	■ 235	0.30	1.6	–	–	–	–	–	–	◪ 50	0.15	1.0
	T5315	0.8	◪ 225	0.30	1.6	–	–	–	■ 210	0.30	1.6	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9310	0.8	■ 220	0.30	1.6	–	–	–	◪ 205	0.30	1.6	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.8	■ 205	0.30	1.6	–	–	–	◪ 190	0.30	1.6	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.8	■ 185	0.30	1.6	–	–	–	◪ 175	0.30	1.6	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 160	0.30	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 160412E-M	**T5315**	1.2	◪ 215	0.40	1.6	–	–	–	■ 200	0.40	1.6	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	1.2	■ 190	0.40	1.6	–	–	–	◪ 180	0.40	1.6	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 170	0.40	1.6	–	–	–	◪ 160	0.40	1.6	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 145	0.40	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220408E-M	**T5305**	0.8	◪ 245	0.30	2.1	–	–	–	■ 230	0.30	2.1	–	–	–	–	–	–	◪ 45	0.15	1.0
	T5315	0.8	◪ 215	0.30	2.1	–	–	–	■ 200	0.30	2.1	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9310	0.8	■ 215	0.30	2.1	–	–	–	◪ 200	0.30	2.1	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	0.8	■ 200	0.30	2.1	–	–	–	◪ 190	0.30	2.1	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9325	0.8	■ 180	0.30	2.1	–	–	–	◪ 170	0.30	2.1	–	–	–	–	–	–	–	–	–
	T9335	0.8	■ 155	0.30	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220412E-M	**T5315**	1.2	◪ 205	0.40	2.1	–	–	–	■ 190	0.40	2.1	–	–	–	–	–	–	◪ 40	0.15	1.0
	T9315	1.2	■ 185	0.40	2.1	–	–	–	◪ 175	0.40	2.1	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	1.2	■ 165	0.40	2.1	–	–	–	◪ 155	0.40	2.1	–	–	–	–	–	–	–	–	–
	T9335	1.2	■ 140	0.40	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																				
TNMG 160404E-NF	**HF7**	0.4	–	–	–	◪ 90	0.14	1.4	◪ 140	0.15	1.4	◪ 450	0.18	1.4	–	–	–	–	–	–
	T6310	0.4	■ 150	0.17	1.4	■ 105	0.15	1.4	◪ 120	0.17	1.4	◪ 450	0.20	1.4	◪ 45	0.15	1.1	–	–	–
	T7325	0.4	◪ 170	0.18	1.4	■ 130	0.16	1.4	–	–	–	–	–	–	◪ 55	0.16	1.1	–	–	–
	T7335	0.4	◪ 165	0.18	1.4	■ 125	0.16	1.4	–	–	–	–	–	–	◪ 50	0.16	1.1	–	–	–
	T8315	0.4	◪ 160	0.17	1.4	■ 95	0.15	1.4	◪ 150	0.17	1.4	◪ 480	0.20	1.4	◪ 40	0.15	1.1	–	–	–
	T8330	0.4	■ 155	0.17	1.4	■ 90	0.15	1.4	◪ 145	0.17	1.4	◪ 465	0.20	1.4	◪ 35	0.15	1.1	–	–	–
	T8430	0.4	■ 175	0.17	1.4	■ 95	0.15	1.4	◪ 140	0.17	1.4	◪ 480	0.20	1.4	◪ 35	0.15	1.1	–	–	–
	T9315	0.4	■ 255	0.15	1.4	–	–	–	◪ 240	0.15	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 215	0.18	1.4	■ 125	0.16	1.4	◪ 200	0.18	1.4	–	–	–	◪ 45	0.16	1.1	–	–	–

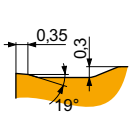
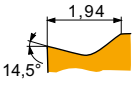
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																	
TNMG 160408E-NF	**HF7**	0.8	–	–	–	100	0.15	1.4	160	0.17	1.4	510	0.20	1.4	–	–	–	–	–	–
	T6310	0.8	180	0.18	1.4	125	0.16	1.4	145	0.18	1.4	540	0.22	1.4	50	0.16	1.1	–	–	–
	T7325	0.8	200	0.18	1.4	155	0.16	1.4	–	–	–	–	–	–	65	0.16	1.1	–	–	–
	T7335	0.8	195	0.18	1.4	150	0.16	1.4	–	–	–	–	–	–	60	0.16	1.1	–	–	–
	T8315	0.8	190	0.18	1.4	110	0.16	1.4	180	0.18	1.4	570	0.22	1.4	45	0.16	1.1	–	–	–
	T8330	0.8	180	0.18	1.4	105	0.16	1.4	170	0.18	1.4	540	0.22	1.4	45	0.16	1.1	–	–	–
	T8430	0.8	205	0.18	1.4	110	0.16	1.4	170	0.18	1.4	570	0.22	1.4	45	0.16	1.1	–	–	–
	T9315	0.8	290	0.17	1.4	–	–	–	275	0.17	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.8	255	0.18	1.4	150	0.16	1.4	240	0.18	1.4	–	–	–	55	0.16	1.1	–	–	–
																				
			Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																	
TNMG 160404E-NM	**T7325**	0.4	170	0.20	1.9	130	0.18	1.9	–	–	–	–	–	–	55	0.20	1.5	–	–	–
	T7335	0.4	160	0.20	1.9	120	0.18	1.9	–	–	–	–	–	–	50	0.20	1.5	–	–	–
	T8315	0.4	160	0.20	1.9	95	0.18	1.9	–	–	–	480	0.24	1.9	40	0.20	1.5	–	–	–
	T8330	0.4	145	0.20	1.9	85	0.18	1.9	–	–	–	435	0.24	1.9	35	0.20	1.5	–	–	–
	T8430	0.4	170	0.20	1.9	90	0.18	1.9	–	–	–	465	0.24	1.9	35	0.20	1.5	–	–	–
	T9325	0.4	210	0.20	1.9	125	0.18	1.9	–	–	–	–	–	–	45	0.20	1.5	–	–	–
TNMG 160408E-NM	**T7325**	0.8	190	0.25	1.9	145	0.23	1.9	–	–	–	–	–	–	60	0.20	1.5	–	–	–
	T7335	0.8	180	0.25	1.9	140	0.23	1.9	–	–	–	–	–	–	55	0.20	1.5	–	–	–
	T8315	0.8	175	0.25	1.9	105	0.23	1.9	–	–	–	525	0.30	1.9	40	0.20	1.5	–	–	–
	T8330	0.8	165	0.25	1.9	95	0.23	1.9	–	–	–	495	0.30	1.9	40	0.20	1.5	–	–	–
	T8430	0.8	185	0.25	1.9	100	0.23	1.9	–	–	–	510	0.30	1.9	40	0.20	1.5	–	–	–
	T9315	0.8	250	0.25	1.9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.25	1.9	135	0.23	1.9	–	–	–	–	–	–	50	0.20	1.5	–	–	–
TNMG 220408E-NM	**T7325**	0.8	190	0.25	1.7	145	0.23	1.7	–	–	–	–	–	–	60	0.20	1.4	–	–	–
	T7335	0.8	185	0.25	1.7	140	0.23	1.7	–	–	–	–	–	–	60	0.20	1.4	–	–	–
	T8315	0.8	175	0.25	1.7	105	0.23	1.7	–	–	–	525	0.30	1.7	40	0.20	1.4	–	–	–
	T8330	0.8	165	0.25	1.7	95	0.23	1.7	–	–	–	495	0.30	1.7	40	0.20	1.4	–	–	–
	T8430	0.8	185	0.25	1.7	100	0.23	1.7	–	–	–	510	0.30	1.7	40	0.20	1.4	–	–	–
	T9315	0.8	255	0.25	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	225	0.25	1.7	135	0.23	1.7	–	–	–	–	–	–	50	0.20	1.4	–	–	–
TNMG 220412E-NM	**T7325**	1.2	190	0.30	1.7	145	0.27	1.7	–	–	–	–	–	–	60	0.24	1.4	–	–	–
	T7335	1.2	180	0.30	2.1	140	0.27	2.1	–	–	–	–	–	–	55	0.24	1.7	–	–	–
	T9325	1.2	215	0.30	2.1	125	0.27	2.1	–	–	–	–	–	–	45	0.24	1.7	–	–	–
																				
			Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																	
TNMG 160404E-NMR	**T6310**	0.4	130	0.20	1.7	90	0.18	1.7	–	–	–	–	–	–	35	0.18	1.4	–	–	–
	T7325	0.4	145	0.20	1.7	110	0.18	1.7	–	–	–	–	–	–	45	0.18	1.4	–	–	–
	T7335	0.4	145	0.20	1.7	110	0.18	1.7	–	–	–	–	–	–	45	0.18	1.4	–	–	–
	T8330	0.4	130	0.20	1.7	75	0.18	1.7	–	–	–	–	–	–	30	0.18	1.4	–	–	–
	T8430	0.4	145	0.20	1.7	80	0.18	1.7	–	–	–	–	–	–	30	0.18	1.4	–	–	–
	T9315	0.4	200	0.20	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	180	0.20	1.7	105	0.18	1.7	–	–	–	–	–	–	40	0.18	1.4	–	–	–
TNMG 160408E-NMR	**T6310**	0.8	140	0.30	1.7	100	0.27	1.7	–	–	–	–	–	–	40	0.24	1.4	–	–	–
	T7325	0.8	155	0.30	1.7	120	0.27	1.7	–	–	–	–	–	–	50	0.24	1.4	–	–	–
	T7335	0.8	145	0.30	1.7	110	0.27	1.7	–	–	–	–	–	–	45	0.24	1.4	–	–	–
	T8330	0.8	140	0.30	1.7	80	0.27	1.7	–	–	–	–	–	–	35	0.24	1.4	–	–	–
	T8430	0.8	150	0.30	1.7	80	0.27	1.7	–	–	–	–	–	–	30	0.24	1.4	–	–	–
	T9315	0.8	205	0.30	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.30	1.7	110	0.27	1.7	–	–	–	–	–	–	40	0.24	1.4	–	–	–

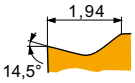
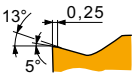
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																				
TNMG 160412E-NMR	**T7325**	1.2	165	0.30	1.7	125	0.27	1.7	–	–	–	–	–	–	50	0.24	1.4	–	–	–
	T9315	1.2	215	0.30	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	195	0.30	1.7	115	0.27	1.7	–	–	–	–	–	–	40	0.24	1.4	–	–	–
TNMG 220408E-NMR	**T6310**	0.8	135	0.30	2.1	95	0.27	2.1	–	–	–	–	–	–	40	0.24	1.7	–	–	–
	T7325	0.8	150	0.30	2.1	115	0.27	2.1	–	–	–	–	–	–	45	0.24	1.7	–	–	–
	T7335	0.8	145	0.30	2.1	110	0.27	2.1	–	–	–	–	–	–	45	0.24	1.7	–	–	–
	T8330	0.8	135	0.30	2.1	80	0.27	2.1	–	–	–	–	–	–	30	0.24	1.7	–	–	–
	T8430	0.8	145	0.30	2.1	80	0.27	2.1	–	–	–	–	–	–	30	0.24	1.7	–	–	–
	T9315	0.8	200	0.30	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	180	0.30	2.1	105	0.27	2.1	–	–	–	–	–	–	40	0.24	1.7	–	–	–
TNMG 220412E-NMR	**T6310**	1.2	140	0.30	2.1	100	0.27	2.1	–	–	–	–	–	–	40	0.24	1.7	–	–	–
	T7325	1.2	160	0.30	2.1	120	0.27	2.1	–	–	–	–	–	–	50	0.24	1.7	–	–	–
	T9315	1.2	210	0.30	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	190	0.30	2.1	110	0.27	2.1	–	–	–	–	–	–	40	0.24	1.7	–	–	–
																				
Geometría R para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
TNMG 160408E-R	**T5305**	0.8	210	0.40	3.0	–	–	–	195	0.40	3.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	185	0.40	3.0	–	–	–	175	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9310	0.8	185	0.40	3.0	–	–	–	175	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9315	0.8	165	0.40	3.0	–	–	–	155	0.40	3.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	0.8	150	0.40	3.0	–	–	–	140	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	130	0.40	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 160412E-R	**T5315**	1.2	195	0.40	3.0	–	–	–	185	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9310	1.2	195	0.40	3.0	–	–	–	185	0.40	3.0	–	–	–	–	–	–	35	0.15	1.0
	T9325	1.2	160	0.40	3.0	–	–	–	150	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	140	0.40	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220408E-R	**T9315**	0.8	165	0.40	4.0	–	–	–	155	0.40	4.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	0.8	145	0.40	4.0	–	–	–	135	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	125	0.40	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220412E-R	**T9310**	1.2	185	0.40	4.0	–	–	–	175	0.40	4.0	–	–	–	–	–	–	35	0.15	1.0
	T9315	1.2	170	0.40	4.0	–	–	–	160	0.40	4.0	–	–	–	–	–	–	30	0.15	1.0
	T9325	1.2	155	0.40	4.0	–	–	–	145	0.40	4.0	–	–	–	–	–	–	–	–	–
TNMG 220416E-R	**T9315**	1.6	180	0.40	4.0	–	–	–	170	0.40	4.0	–	–	–	–	–	–	35	0.15	1.0
	T9325	1.6	165	0.40	4.0	–	–	–	155	0.40	4.0	–	–	–	–	–	–	–	–	–
																				
Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
TNMG 160408E-RM	**T5305**	0.8	245	0.40	3.0	–	–	–	230	0.40	3.0	–	–	–	–	–	–	–	–	–
	T5315	0.8	215	0.40	3.0	–	–	–	200	0.40	3.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	155	0.40	3.0	120	0.36	3.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	145	0.40	3.0	110	0.36	3.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	0.8	210	0.40	3.0	–	–	–	195	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	195	0.40	3.0	–	–	–	185	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	175	0.40	3.0	105	0.36	3.0	165	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	150	0.40	3.0	90	0.36	3.0	–	–	–	–	–	–	–	–	–	–	–	–

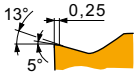
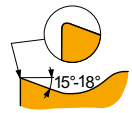
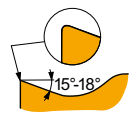
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
TNMG 160412E-RM	**T5305**	1.2	255	0.40	3.0	–	–	–	240	0.40	3.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	225	0.40	3.0	–	–	–	210	0.40	3.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	165	0.40	3.0	125	0.36	3.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	155	0.40	3.0	120	0.36	3.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8330	1.2	145	0.40	3.0	85	0.36	3.0	135	0.40	3.0	–	–	–	–	–	–	–	–	–
	T8430	1.2	150	0.40	3.0	80	0.36	3.0	125	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	205	0.40	3.0	–	–	–	190	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.40	3.0	110	0.36	3.0	175	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	160	0.40	3.0	95	0.36	3.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220408E-RM	**T5305**	0.8	235	0.40	4.0	–	–	–	220	0.40	4.0	–	–	–	–	–	–	–	–	–
	T5315	0.8	210	0.40	4.0	–	–	–	195	0.40	4.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	150	0.40	4.0	115	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	140	0.40	4.0	105	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9310	0.8	200	0.40	4.0	–	–	–	190	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	190	0.40	4.0	–	–	–	180	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	170	0.40	4.0	100	0.36	4.0	160	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	145	0.40	4.0	85	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220412E-RM	**T5305**	1.2	245	0.40	4.0	–	–	–	230	0.40	4.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	220	0.40	4.0	–	–	–	205	0.40	4.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	160	0.40	4.0	120	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	150	0.40	4.0	115	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	1.2	200	0.40	4.0	–	–	–	190	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.40	4.0	105	0.36	4.0	170	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	155	0.40	4.0	90	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 220416E-RM	**T7325**	1.6	165	0.40	4.0	125	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9315	1.6	210	0.40	4.0	–	–	–	195	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	185	0.40	4.0	110	0.36	4.0	175	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	160	0.40	4.0	95	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 270612E-RM	**T7325**	1.2	110	0.40	6.0	85	0.36	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	120	0.40	6.0	70	0.36	6.0	110	0.40	6.0	–	–	–	–	–	–	–	–	–
TNMG 270616E-RM	**T7325**	1.6	115	0.40	6.0	85	0.36	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9226	1.6	115	0.40	6.0	65	0.36	6.0	105	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	135	0.40	6.0	–	–	–	125	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	125	0.40	6.0	75	0.36	6.0	115	0.40	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	100	0.40	6.0	60	0.36	6.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 270624E-RM	**T7325**	2.4	115	0.50	6.0	85	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	2.4	120	0.50	6.0	70	0.45	6.0	110	0.50	6.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	95	0.50	6.0	55	0.45	6.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 270632E-RM	**T9335**	3.2	90	0.60	6.0	50	0.54	6.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMG 330924E-RM	**T9226**	2.4	100	0.50	10.0	60	0.45	10.0	95	0.50	10.0	–	–	–	–	–	–	–	–	–
	T9335	2.4	90	0.50	10.0	50	0.45	10.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.																	
TNMG 160404E-SF	**H07**	0.4	–	–	–	75	0.14	1.3	120	0.15	1.3	390	0.18	1.3	35	0.12	1.0	–	–	–
	T6310	0.4	150	0.15	1.3	105	0.14	1.3	120	0.15	1.3	450	0.18	1.3	45	0.12	1.0	30	0.15	1.0
	T7325	0.4	170	0.17	1.3	130	0.15	1.3	–	–	–	–	–	–	55	0.15	1.0	–	–	–
	T7335	0.4	165	0.17	1.3	125	0.15	1.3	–	–	–	–	–	–	50	0.15	1.0	–	–	–
	T8315	0.4	160	0.15	1.3	95	0.14	1.3	150	0.15	1.3	480	0.18	1.3	40	0.12	1.0	30	0.15	1.0
	T8330	0.4	150	0.15	1.3	90	0.14	1.3	140	0.15	1.3	450	0.18	1.3	35	0.12	1.0	30	0.15	1.0
	T8430	0.4	180	0.15	1.3	95	0.14	1.3	145	0.15	1.3	495	0.18	1.3	35	0.12	1.0	30	0.15	1.0
	T9315	0.4	245	0.15	1.3	–	–	–	230	0.15	1.3	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.4	210	0.17	1.3	125	0.15	1.3	195	0.17	1.3	–	–	–	45	0.15	1.0	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría SF con diseño positivo para acabado fino de paredes delgadas con corte contínuo.																				
TNMG 160408E-SF	**H07**	0.8	–	–	–	85	0.15	1.3	140	0.17	1.3	445	0.20	1.3	45	0.14	1.0	–	–	–
	T6310	0.8	175	0.17	1.3	125	0.15	1.3	140	0.17	1.3	525	0.20	1.3	50	0.14	1.0	35	0.15	1.0
	T7325	0.8	200	0.17	1.3	155	0.15	1.3	–	–	–	–	–	–	65	0.15	1.0	–	–	–
	T7335	0.8	195	0.17	1.3	150	0.15	1.3	–	–	–	–	–	–	60	0.15	1.0	–	–	–
	T8315	0.8	185	0.17	1.3	110	0.15	1.3	175	0.17	1.3	555	0.20	1.3	45	0.14	1.0	35	0.15	1.0
	T8330	0.8	175	0.17	1.3	105	0.15	1.3	165	0.17	1.3	525	0.20	1.3	40	0.14	1.0	35	0.15	1.0
	T8430	0.8	205	0.17	1.3	110	0.15	1.3	170	0.17	1.3	570	0.20	1.3	45	0.14	1.0	35	0.15	1.0
	T9315	0.8	275	0.17	1.3	–	–	–	260	0.17	1.3	–	–	–	–	–	–	55	0.15	1.0
	T9325	0.8	250	0.17	1.3	150	0.15	1.3	235	0.17	1.3	–	–	–	55	0.15	1.0	–	–	–
TNMG 160412E-SF	**T6310**	1.2	160	0.30	1.3	115	0.27	1.3	125	0.30	1.3	480	0.36	1.3	45	0.21	1.0	30	0.15	1.0
	T7325	1.2	175	0.30	1.3	135	0.27	1.3	–	–	–	–	–	–	55	0.21	1.0	–	–	–
	T9325	1.2	205	0.30	1.3	120	0.27	1.3	190	0.30	1.3	–	–	–	45	0.21	1.0	–	–	–
TNMG 220404E-SF	**T6310**	0.4	145	0.17	1.7	100	0.15	1.7	115	0.17	1.7	435	0.20	1.7	40	0.15	1.4	25	0.15	1.0
	T7325	0.4	160	0.17	1.7	120	0.15	1.7	–	–	–	–	–	–	50	0.15	1.4	–	–	–
	T9325	0.4	205	0.17	1.7	120	0.15	1.7	190	0.17	1.7	–	–	–	45	0.15	1.4	–	–	–
TNMG 220408E-SF	**T6310**	0.8	170	0.17	1.7	120	0.15	1.7	135	0.17	1.7	510	0.20	1.7	50	0.15	1.4	30	0.15	1.0
	T8315	0.8	180	0.17	1.7	105	0.15	1.7	170	0.17	1.7	540	0.20	1.7	45	0.15	1.4	35	0.15	1.0
	T8430	0.8	195	0.17	1.7	105	0.15	1.7	160	0.17	1.7	540	0.20	1.7	40	0.15	1.4	30	0.15	1.0
TNMG 220412E-SF	**T6310**	1.2	155	0.30	1.7	110	0.27	1.7	125	0.30	1.7	465	0.36	1.7	45	0.21	1.4	30	0.15	1.0
	T7325	1.2	170	0.30	1.7	130	0.27	1.7	–	–	–	–	–	–	55	0.21	1.4	–	–	–
	T9325	1.2	205	0.30	1.7	120	0.27	1.7	190	0.30	1.7	–	–	–	45	0.21	1.4	–	–	–
																				
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																				
TNMG 160404E-SM	**T6310**	0.4	135	0.22	1.7	95	0.20	1.7	105	0.22	1.7	405	0.26	1.7	40	0.20	1.4	25	0.15	1.0
	T7325	0.4	150	0.22	1.7	115	0.20	1.7	–	–	–	–	–	–	45	0.20	1.4	–	–	–
	T7335	0.4	145	0.22	1.7	110	0.20	1.7	–	–	–	–	–	–	45	0.20	1.4	–	–	–
	T8330	0.4	135	0.22	1.7	80	0.20	1.7	125	0.22	1.7	405	0.26	1.7	30	0.20	1.4	25	0.15	1.0
	T8430	0.4	145	0.22	1.7	80	0.20	1.7	120	0.22	1.7	405	0.26	1.7	30	0.20	1.4	25	0.15	1.0
	T9315	0.4	210	0.20	1.7	–	–	–	195	0.20	1.7	–	–	–	–	–	–	40	0.15	1.0
	T9325	0.4	185	0.22	1.7	110	0.20	1.7	175	0.22	1.7	–	–	–	40	0.20	1.4	–	–	–
TNMG 160408E-SM	**T6310**	0.8	150	0.25	1.7	105	0.23	1.7	120	0.25	1.7	450	0.30	1.7	45	0.20	1.4	30	0.15	1.0
	T7325	0.8	170	0.25	1.7	130	0.23	1.7	–	–	–	–	–	–	55	0.20	1.4	–	–	–
	T7335	0.8	165	0.25	1.7	125	0.23	1.7	–	–	–	–	–	–	50	0.20	1.4	–	–	–
	T8330	0.8	150	0.25	1.7	90	0.23	1.7	140	0.25	1.7	450	0.30	1.7	35	0.20	1.4	30	0.15	1.0
	T8430	0.8	170	0.25	1.7	90	0.23	1.7	135	0.25	1.7	465	0.30	1.7	35	0.20	1.4	25	0.15	1.0
	T9315	0.8	230	0.25	1.7	–	–	–	215	0.25	1.7	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	205	0.25	1.7	120	0.23	1.7	190	0.25	1.7	–	–	–	45	0.20	1.4	–	–	–
TNMG 160412E-SM	**T6310**	1.2	155	0.30	1.7	110	0.27	1.7	125	0.30	1.7	465	0.36	1.7	45	0.24	1.4	30	0.15	1.0
	T7325	1.2	170	0.30	1.7	130	0.27	1.7	–	–	–	–	–	–	55	0.24	1.4	–	–	–
	T7335	1.2	165	0.30	1.7	125	0.27	1.7	–	–	–	–	–	–	50	0.24	1.4	–	–	–
	T9325	1.2	205	0.30	1.7	120	0.27	1.7	190	0.30	1.7	–	–	–	45	0.24	1.4	–	–	–
TNMG 220404E-SM	**T6310**	0.4	130	0.24	1.7	90	0.22	1.7	100	0.24	1.7	390	0.29	1.7	35	0.22	1.4	25	0.15	1.0
	T7325	0.4	145	0.24	1.7	110	0.22	1.7	–	–	–	–	–	–	45	0.22	1.4	–	–	–
	T8330	0.4	130	0.24	1.7	75	0.22	1.7	120	0.24	1.7	390	0.29	1.7	30	0.22	1.4	25	0.15	1.0
	T8430	0.4	145	0.24	1.7	80	0.22	1.7	120	0.24	1.7	405	0.29	1.7	30	0.22	1.4	25	0.15	1.0
	T9325	0.4	175	0.24	1.7	105	0.22	1.7	165	0.24	1.7	–	–	–	35	0.22	1.4	–	–	–
TNMG 220408E-SM	**T6310**	0.8	150	0.25	1.7	105	0.23	1.7	120	0.25	1.7	450	0.30	1.7	45	0.20	1.4	30	0.15	1.0
	T7325	0.8	170	0.25	1.7	130	0.23	1.7	–	–	–	–	–	–	55	0.20	1.4	–	–	–
	T7335	0.8	165	0.25	1.7	125	0.23	1.7	–	–	–	–	–	–	50	0.20	1.4	–	–	–
	T8330	0.8	150	0.25	1.7	90	0.23	1.7	140	0.25	1.7	450	0.30	1.7	35	0.20	1.4	30	0.15	1.0
	T8430	0.8	170	0.25	1.7	90	0.23	1.7	135	0.25	1.7	465	0.30	1.7	35	0.20	1.4	25	0.15	1.0
	T9315	0.8	230	0.25	1.7	–	–	–	215	0.25	1.7	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	205	0.25	1.7	120	0.23	1.7	190	0.25	1.7	–	–	–	45	0.20	1.4	–	–	–

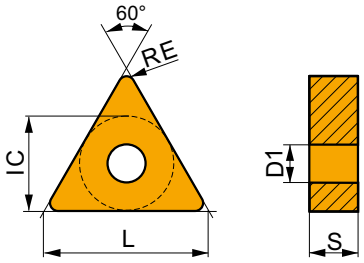
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																				
TNMG 220412E-SM	**T6310**	1.2	■	155	0.30	1.7	■	110	0.27	1.7	■	125	0.30	1.7	◪	465	0.36	1.7	■	45	0.24	1.4	◪	30	0.15	1.0
	T7325	1.2	◪	170	0.30	1.7	■	130	0.27	1.7		–	–	–		–	–	–	■	55	0.24	1.4		–	–	–
	T7335	1.2	◪	165	0.30	1.7	■	125	0.27	1.7		–	–	–		–	–	–	■	50	0.24	1.4		–	–	–
	T9315	1.2	■	225	0.30	1.7		–	–	–	◪	210	0.30	1.7		–	–	–		–	–	–	◪	45	0.15	1.0
	T9325	1.2	■	205	0.30	1.7	■	120	0.27	1.7	◪	190	0.30	1.7		–	–	–	◪	45	0.24	1.4		–	–	–
																				
Geometría ER-SI con diseño positivo a derecha para acabado fino a semi-desbaste con corte contínuo.																				
TNMG 160404ER-SI	**T7325**	0.4	◪	190	0.20	1.5	■	145	0.18	1.5		–	–	–		–	–	–	◪	60	0.18	1.2		–	–	–
	T7335	0.4	◪	180	0.20	1.5	■	140	0.18	1.5		–	–	–		–	–	–	◪	55	0.18	1.2		–	–	–
	T8315	0.4	◪	175	0.20	1.5	■	105	0.18	1.5		–	–	–	◪	525	0.24	1.5	◪	40	0.18	1.2		–	–	–
	T8330	0.4	■	165	0.20	1.5	■	95	0.18	1.5		–	–	–	◪	495	0.24	1.5	◪	40	0.18	1.2		–	–	–
	T8430	0.4	■	185	0.20	1.5	■	100	0.18	1.5		–	–	–	◪	510	0.24	1.5	◪	40	0.18	1.2		–	–	–
	T9325	0.4	■	230	0.20	1.5	■	135	0.18	1.5		–	–	–		–	–	–	◪	50	0.18	1.2		–	–	–
	T9335	0.4	■	195	0.20	1.5	■	115	0.18	1.5		–	–	–		–	–	–	◪	40	0.18	1.2		–	–	–
TNMG 160408ER-SI	**T7325**	0.8	◪	190	0.35	1.5	■	145	0.32	1.5		–	–	–		–	–	–	◪	60	0.25	1.2		–	–	–
	T7335	0.8	◪	180	0.35	1.5	■	140	0.32	1.5		–	–	–		–	–	–	◪	55	0.25	1.2		–	–	–
	T8315	0.8	◪	175	0.35	1.5	■	105	0.32	1.5		–	–	–	◪	525	0.42	1.5	◪	40	0.25	1.2		–	–	–
	T8330	0.8	■	170	0.35	1.5	■	100	0.32	1.5		–	–	–	◪	510	0.42	1.5	◪	40	0.25	1.2		–	–	–
	T8430	0.8	■	180	0.35	1.5	■	95	0.32	1.5		–	–	–	◪	495	0.42	1.5	◪	35	0.25	1.2		–	–	–
	T9325	0.8	■	215	0.35	1.5	■	125	0.32	1.5		–	–	–		–	–	–	◪	45	0.25	1.2		–	–	–
	T9335	0.8	■	190	0.35	1.5	■	110	0.32	1.5		–	–	–		–	–	–	◪	40	0.25	1.2		–	–	–
																				
Geometría EL-SI con diseño positivo a izquierda para acabado fino a semi-desbaste con corte contínuo.																				
TNMG 160404EL-SI	**T7325**	0.4	◪	190	0.20	1.5	■	145	0.18	1.5		–	–	–		–	–	–	◪	60	0.18	1.2		–	–	–
	T7335	0.4	◪	180	0.20	1.5	■	140	0.18	1.5		–	–	–		–	–	–	◪	55	0.18	1.2		–	–	–
	T8315	0.4	◪	175	0.20	1.5	■	105	0.18	1.5		–	–	–	◪	525	0.24	1.5	◪	40	0.18	1.2		–	–	–
	T8330	0.4	■	165	0.20	1.5	■	95	0.18	1.5		–	–	–	◪	495	0.24	1.5	◪	40	0.18	1.2		–	–	–
	T8430	0.4	■	185	0.20	1.5	■	100	0.18	1.5		–	–	–	◪	510	0.24	1.5	◪	40	0.18	1.2		–	–	–
	T9325	0.4	■	230	0.20	1.5	■	135	0.18	1.5		–	–	–		–	–	–	◪	50	0.18	1.2		–	–	–
	T9335	0.4	■	195	0.20	1.5	■	115	0.18	1.5		–	–	–		–	–	–	◪	40	0.18	1.2		–	–	–
TNMG 160408EL-SI	**T7325**	0.8	◪	190	0.35	1.5	■	145	0.32	1.5		–	–	–		–	–	–	◪	60	0.25	1.2		–	–	–
	T7335	0.8	◪	180	0.35	1.5	■	140	0.32	1.5		–	–	–		–	–	–	◪	55	0.25	1.2		–	–	–
	T8315	0.8	◪	175	0.35	1.5	■	105	0.32	1.5		–	–	–	◪	525	0.42	1.5	◪	40	0.25	1.2		–	–	–
	T8330	0.8	■	170	0.35	1.5	■	100	0.32	1.5		–	–	–	◪	510	0.42	1.5	◪	40	0.25	1.2		–	–	–
	T8430	0.8	■	180	0.35	1.5	■	95	0.32	1.5		–	–	–	◪	495	0.42	1.5	◪	35	0.25	1.2		–	–	–
	T9325	0.8	■	215	0.35	1.5	■	125	0.32	1.5		–	–	–		–	–	–	◪	45	0.25	1.2		–	–	–
	T9335	0.8	■	190	0.35	1.5	■	110	0.32	1.5		–	–	–		–	–	–	◪	40	0.25	1.2		–	–	–

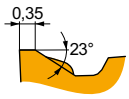
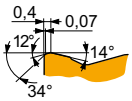
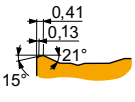
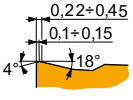
TNMM

PRAMET

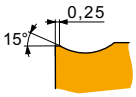
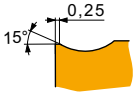
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.50	4.76
2204	12.700	5.16	22.00	4.76
2706	15.875	6.35	27.50	6.35



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
Geometría DR para semi-desbaste y desbaste y corte continuo a interrumpido.																				
TNMM 160408E-DR	**T9325**	0.8	175	0.40	4.0	105	0.36	4.0	165	0.40	4.0	–	–	–	–	–	–	–	–	–
TNMM 220408E-DR	**T9325**	0.8	175	0.40	4.0	105	0.36	4.0	165	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	155	0.40	4.0	90	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMM 220412E-DR	**T9315**	1.2	205	0.40	4.0	–	–	–	190	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	185	0.40	4.0	110	0.36	4.0	175	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	160	0.40	4.0	95	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMM 220416E-DR	**T9325**	1.6	195	0.40	4.0	115	0.36	4.0	185	0.40	4.0	–	–	–	–	–	–	–	–	–
TNMM 270616E-DR	**T9325**	1.6	135	0.40	4.0	80	0.36	4.0	125	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	110	0.40	4.0	65	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría HR para desbaste a desbaste pesado con corte contínuo a interrumpido.																				
TNMM 270616E-HR	**T9325**	1.6	90	0.60	7.0	50	0.54	7.0	85	0.60	7.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	75	0.60	7.0	45	0.54	7.0	–	–	–	–	–	–	–	–	–	–	–	–
TNMM 270624E-HR	**T9226**	2.4	80	0.65	7.0	45	0.59	7.0	75	0.65	7.0	–	–	–	–	–	–	–	–	–
																				
Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
TNMM 160408E-NR2	**T9325**	0.8	165	0.40	3.0	95	0.36	3.0	155	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
TNMM 220408E-NR2	**T7325**	0.8	145	0.40	4.0	110	0.36	4.0	–	–	–	–	–	–	45	0.28	3.2	–	–	–
	T9325	0.8	160	0.40	4.0	95	0.36	4.0	150	0.40	4.0	–	–	–	35	0.28	3.2	–	–	–
TNMM 220412E-NR2	**T7325**	1.2	150	0.40	4.0	115	0.36	4.0	–	–	–	–	–	–	45	0.32	3.2	–	–	–
	T8330	1.2	135	0.40	4.0	80	0.36	4.0	125	0.40	4.0	–	–	–	30	0.32	3.2	–	–	–
	T8430	1.2	140	0.40	4.0	75	0.36	4.0	115	0.40	4.0	–	–	–	30	0.32	3.2	–	–	–
	T9325	1.2	170	0.40	4.0	100	0.36	4.0	160	0.40	4.0	–	–	–	35	0.32	3.2	–	–	–
																				
Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
TNMM 160408E-OR	**T9315**	0.8	185	0.40	3.0	–	–	–	175	0.40	3.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	165	0.40	3.0	95	0.36	3.0	155	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
TNMM 160412E-OR	**T9325**	1.2	175	0.40	3.0	105	0.36	3.0	165	0.40	3.0	–	–	–	35	0.32	2.4	–	–	–
TNMM 220408E-OR	**T9315**	0.8	180	0.40	4.0	–	–	–	170	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	160	0.40	4.0	95	0.36	4.0	150	0.40	4.0	–	–	–	35	0.32	3.2	–	–	–
	T9335	0.8	140	0.40	4.0	80	0.36	4.0	–	–	–	–	–	–	30	0.32	3.2	–	–	–
TNMM 220412E-OR	**T9325**	1.2	175	0.40	3.0	105	0.36	3.0	165	0.40	3.0	–	–	–	35	0.32	2.4	–	–	–
	T9335	1.2	150	0.40	3.0	90	0.36	3.0	–	–	–	–	–	–	30	0.32	2.4	–	–	–

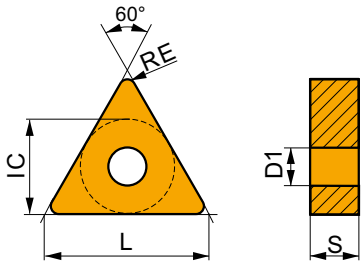
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			S																	
Geometría ER con diseño positivo a derecha para mecanizado medio a semi desbaste con corte contínuo.																				
TNMM 220412ER	**T9335**	1.2	■ 190	0.35	2.1	■ 110	0.32	2.1	–	–	–	–	–	–	◪ 40	0.25	1.7	–	–	–
																				
			S																	
Geometría EL con diseño a izquierda para mecanizado medio a semi desbaste con corte contínuo.																				
TNMM 220412EL	**T9335**	1.2	■ 190	0.35	2.1	■ 110	0.32	2.1	–	–	–	–	–	–	◪ 40	0.25	1.7	–	–	–

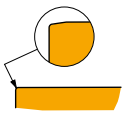
TNGA CER

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.50	4.76



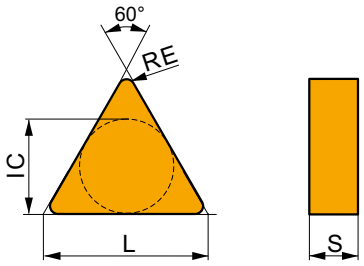
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			HSC		T															
Para mecanizado con altas velocidades y corte contínuo.																				
TNGA 160408 T01020	**TC100**	0.8	–	–	–	–	–	–	◪ 475	0.20	1.5	–	–	–	–	–	–	–	–	–
TNGA 160412 T01020	**TC100**	1.2	–	–	–	–	–	–	◪ 500	0.20	1.5	–	–	–	–	–	–	–	–	–

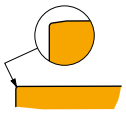
TNGN CER

PRAMET

	IC (mm)	L (mm)	S (mm)
1604	9.525	16.50	4.76
1607	9.525	16.50	7.94



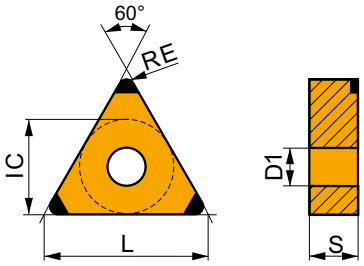
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		T															
			Para mecanizado con altas velocidades y corte contínuo.																	
TNGN 160408 T01020	**TC100**	0.8	–	–	–	–	–	–	475	0.20	1.5	–	–	–	–	–	–	–	–	–
TNGN 160412 T01020	**TC100**	1.2	–	–	–	–	–	–	500	0.20	1.5	–	–	–	–	–	–	–	–	–
TNGN 160708 T02020	**TC100**	0.8	–	–	–	–	–	–	475	0.20	1.5	–	–	–	–	–	–	–	–	–

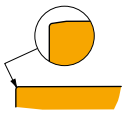
TNGA CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.50	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC		S															
			Para acabado con corte contínuo.																	
TNGA 160408S01020C	**TB310**	0.8	–	–	–	–	–	–	450	0.15	0.6	–	–	–	115	0.11	0.5	95	0.15	1.0

DTFN(RL) EXT

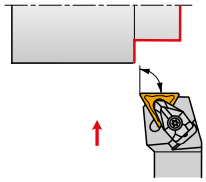
P M K N S H

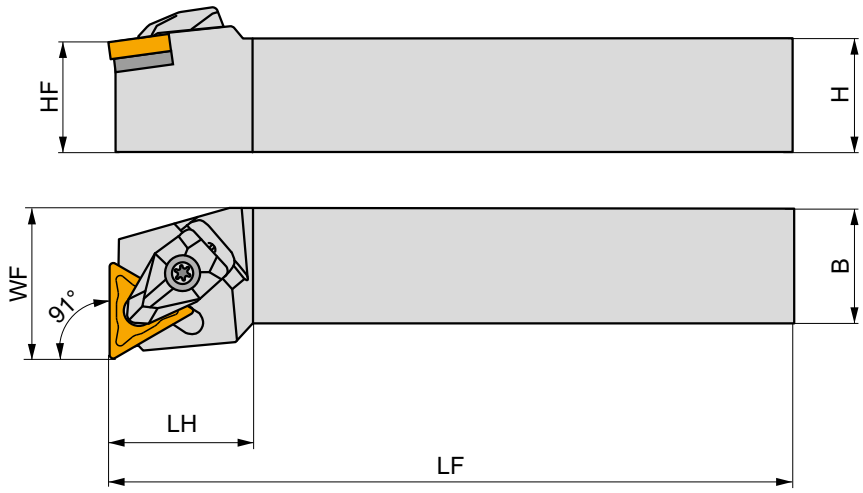
PRAMET

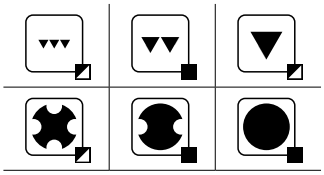
D

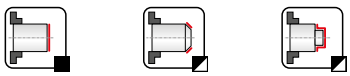
Portaherramientas de Exterior con Fijación Doble, a 91° (Frontal), para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 91°. Adecuado para refrentado con escuadra y achaflanado con plaquitas negativas TN.. de 16 o 22. Disponible con mangos de 20x20 y 25x25. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**DTFNR 2020 K 16**	20	20	20	25	125	23.6	-6	-6	0.43	GI024	DT16
	DTFNR 2525 M 16	25	25	25	32	150	23.6	-6	-6	0.77	GI024	DT16
	DTFNR 2525 M 22	25	25	25	32	150	30.5	-6	-6	0.79	GI025	DT22
L	**DTFNL 2020 K 16**	20	20	20	25	125	23.6	-6	-6	0.43	GI024	DT16
	DTFNL 2525 M 16	25	25	25	32	150	23.6	-6	-6	0.76	GI024	DT16
	DTFNL 2525 M 22	25	25	25	32	150	30.5	-6	-6	0.79	GI025	DT22

GI024	TN.. 1604..
GI025	TN.. 2204..

		Nm			
DT16	DCS 09	1.7	DTS 315-02	US 2004-T09P	FLAG T09P
DT22	DCS 12	3.9	DTS 315-04	US 2002-T15P	FLAG T15P/3,5

DTGN(RL) EXT

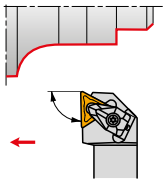
P M K N S H

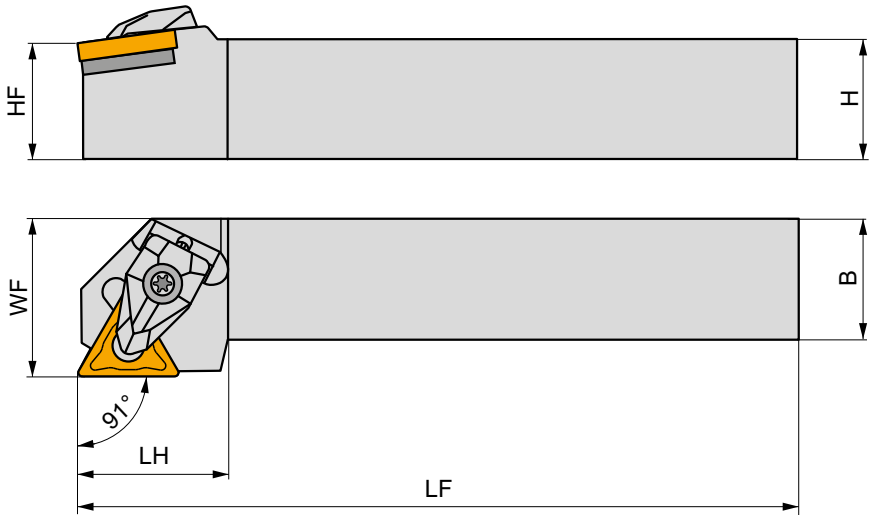
PRAMET

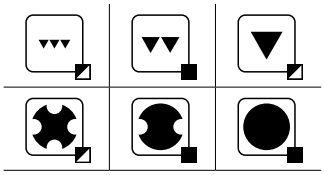
D

Portaherramientas de Exterior con Fijación Doble, a 91°, para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 91°. Adecuado para torneado longitudinal con escuadra, torneado en cono y achaflanado con plaquitas negativas TN.. de 16 o 22. Disponible con mangos de 20x20 hasta 32x32. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	DTGNR 2020 K 16	20	20	20	25	125	25.4	-6	-6	0.43	GI024	DT16
	DTGNR 2525 M 16	25	25	25	32	150	24.6	-6	-6	0.76	GI024	DT16
	DTGNR 2525 M 22	25	25	25	32	150	32.1	-6	-6	0.83	GI025	DT22
	DTGNR 3232 P 22	32	32	32	40	170	33.1	-6	-6	1.42	GI025	DT22
L	DTGNL 2020 K 16	20	20	20	25	125	25.4	-6	-6	0.44	GI024	DT16
	DTGNL 2525 M 16	25	25	25	32	150	24.6	-6	-6	0.78	GI024	DT16
	DTGNL 2525 M 22	25	25	25	32	150	32.1	-6	-6	0.78	GI025	DT22
	DTGNL 3232 P 22	32	32	32	40	170	33.1	-6	-6	1.42	GI025	DT22

GI024	TN.. 1604..
GI025	TN.. 2204..

DT16	DCS 09	1.7	DTS 315-02	US 2004-T09P	FLAG T09P
DT22	DCS 12	3.9	DTS 315-04	US 2002-T15P	FLAG T15P/3,5

MTJN(RL) EXT

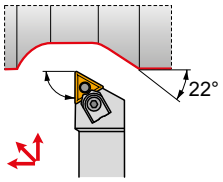
P M K N S H

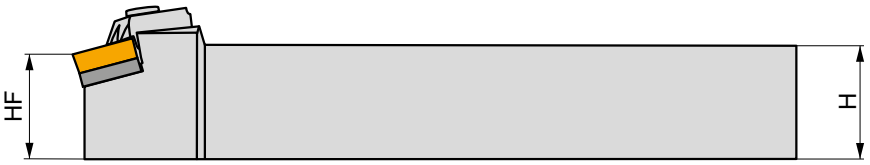
PRAMET

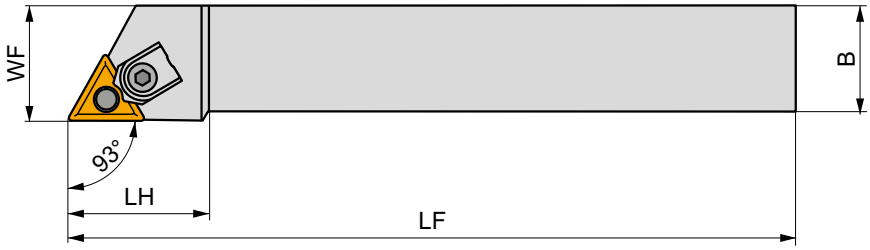
M

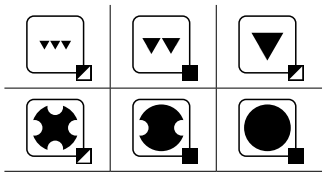
Portaherramientas de Exterior con Fijación Múltiple, a 93°, para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación múltiple y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 22° y achaflanado con plaquitas negativas TN.. 16 y 22. Disponible con mangos de 20x20 hasta 32x32 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**MTJNR 2020 K 16**	20	20	20	25	125	34	-6	-6	0.42	GI024	MT16
	MTJNR 2525 M 16	25	25	25	32	150	34	-6	-6	0.73	GI024	MT16
	MTJNR 3232 P 22	32	32	32	40	175	42	-6	-6	1.37	GI025	MT22
L	**MTJNL 2020 K 16**	20	20	20	25	125	34	-6	-6	0.43	GI024	MT16
	MTJNL 2525 M 16	25	25	25	32	150	34	-6	-6	0.75	GI024	MT16
	MTJNL 3232 P 22	32	32	32	40	175	42	-6	-6	1.38	GI025	MT22

GI024	TN.. 1604..
GI025	TN.. 2204..

		Nm				
MT16	UE 16	3.0	MTN 160312	UC 52	HS 93	HXK 5
MT22	UE 22	5.0	MTN 220612	UC 53	HS 94	HXK 5

PTFN(RL) EXT

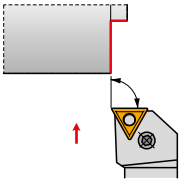
P M K N S H

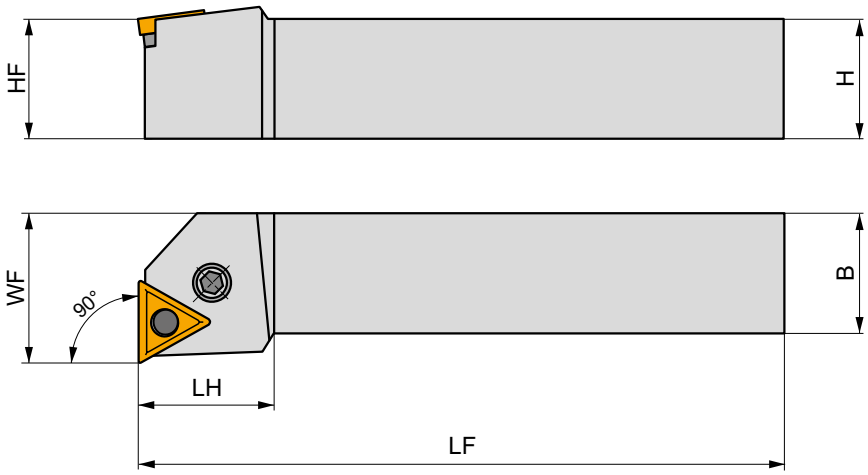
PRAMET

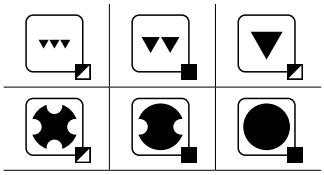
P

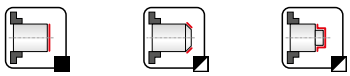
Portaherramientas de Exterior con Fijación por Palanca, a 90°, (Frontal) para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 90°. Adecuado para refrentado con escuadra y achaflanado con plaquitas negativas TN.. 16, 22 o 27. Disponible con mangos de 16x16 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**PTFNR 1616 H 16**	16	16	16	20	100	32	-6	-6	0.23	GI024	PT11
	PTFNR 2020 K 16	20	20	20	25	125	32	-6	-6	0.44	GI024	PT10
	PTFNR 2525 M 16	25	25	25	32	150	32	-6	-6	0.76	GI024	PT10
	PTFNR 2525 M 22	25	25	25	32	150	36	-6	-6	0.79	GI025	PT20
	PTFNR 3225 P 22	32	25	32	32	170	36	-6	-6	1.05	GI025	PT20
	PTFNR 4040 R 27	40	40	40	50	200	40	-6	-6	2.55	GI077	PT40
L	**PTFNL 1616 H 16**	16	16	16	20	100	32	-6	-6	0.24	GI024	PT11
	PTFNL 2020 K 16	20	20	20	25	125	32	-6	-6	0.43	GI024	PT10
	PTFNL 2525 M 16	25	25	25	32	150	32	-6	-6	0.65	GI024	PT10
	PTFNL 2525 M 22	25	25	25	32	150	36	-6	-6	0.79	GI025	PT20
	PTFNL 3225 P 22	32	25	32	32	170	36	-6	-6	1.14	GI025	PT20
	PTFNL 4040 R 27	40	40	40	50	200	40	-6	-6	2.55	GI077	PT40

GI024	TN.. 1604..
GI025	TN.. 2204..
GI077	TN.. 2706..

				Nm					
PT10	TNU 160308	PU 01	US 34	5.0	M 6x0.75	19	NT 04	MT 04	HXK 3
PT11	TNU 160308	PU 01	US 46	5.0	M 6x0.75	13.2	NT 04	MT 04	HXK 3
PT20	TNU 220312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PT40	TNU 270416	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4

PTGN(RL) EXT

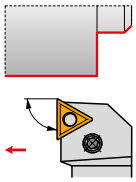
P M K N S H

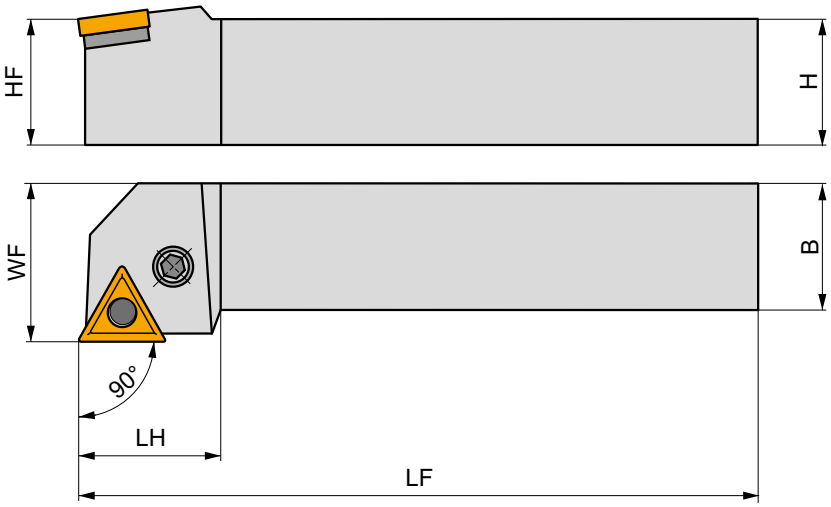
PRAMET

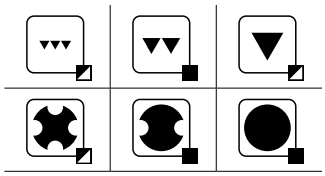
P

Portaherramientas de Exterior con Fijación por Palanca, a 90°, para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 90°. Adecuado para torneado longitudinal con escuadra, torneado en cono y achaflanado con plaquitas negativas TN.. 16, 22 o 27. Disponible con mangos de 16x16 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**PTGNR 1616 H 16**	16	16	16	20	100	32	-6	-6	0.24	GI024	PT11
	PTGNR 2020 K 16	20	20	20	25	125	32	-6	-6	0.40	GI024	PT10
	PTGNR 2525 M 16	25	25	25	32	150	32	-6	-6	0.73	GI024	PT10
	PTGNR 2525 M 22	25	25	25	32	150	36	-6	-6	0.75	GI025	PT20
	PTGNR 3225 P 22	32	25	32	32	170	36	-6	-6	1.11	GI025	PT20
	PTGNR 3232 P 22	32	32	32	40	170	36	-6	-6	1.39	GI025	PT20
	PTGNR 4040 R 27	40	40	40	50	200	40	-6	-6	2.55	GI077	PT40
L	**PTGNL 1616 H 16**	16	16	16	20	100	32	-6	-6	0.25	GI024	PT11
	PTGNL 2020 K 16	20	20	20	25	125	32	-6	-6	0.40	GI024	PT10
	PTGNL 2525 M 16	25	25	25	32	150	32	-6	-6	0.77	GI024	PT10
	PTGNL 2525 M 22	25	25	25	32	150	36	-6	-6	0.79	GI025	PT20
	PTGNL 3225 P 22	32	25	32	32	170	36	-6	-6	1.11	GI025	PT20
	PTGNL 3232 P 22	32	32	32	40	170	36	-6	-6	1.40	GI025	PT20
	PTGNL 4040 R 27	40	40	40	50	200	40	-6	-6	2.40	GI077	PT40

GI024	TN.. 1604..
GI025	TN.. 2204..
GI077	TN.. 2706..

				Nm					
PT10	TNU 160308	PU 01	US 34	5.0	M 6x0.75	19	NT 04	MT 04	HXK 3
PT11	TNU 160308	PU 01	US 46	5.0	M 6x0.75	13.2	NT 04	MT 04	HXK 3
PT20	TNU 220312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PT40	TNU 270416	PU 04	US 36	6.0	M 8x1	26	NT 07	MT 07	HXK 4

PTTN(RL) EXT

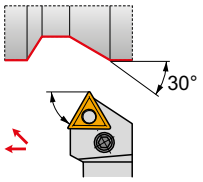
P M K N S H

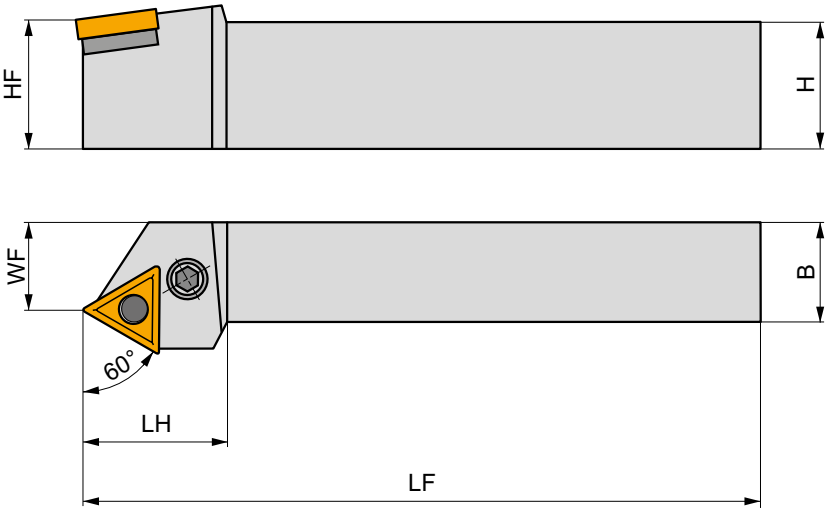
PRAMET

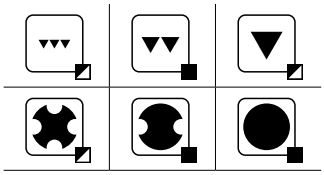
P

Portaherramientas de Exterior con Fijación por Palanca, a 60°, para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 60°. Adecuado para torneado con escuadra, torneado en cono y copiado hasta 30° y achaflanado con plaquitas negativas TN.. 16 y 22. Disponible con mangos de 20x20 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**PTTNR 2020 K 16**	20	20	20	17	125	32	-6	-6	0.43	GI024	PT10
	PTTNR 2525 M 16	25	25	25	22	150	32	-6	-6	0.63	GI024	PT10
	PTTNR 2525 M 22	25	25	25	22	150	36	-6	-6	0.73	GI025	PT20
	PTTNR 3225 P 22	32	25	32	22	170	36	-6	-6	1.07	GI025	PT20
L	**PTTNL 2020 K 16**	20	20	20	17	125	32	-6	-6	0.38	GI024	PT10
	PTTNL 3225 P 22	32	25	32	22	170	36	-6	-6	1.04	GI025	PT20

GI024	TN.. 1604..
GI025	TN.. 2204..

				Nm					
PT10	TNU 160308	PU 01	US 34	5.0	M 6x0.75	19	NT 04	MT 04	HXK 3
PT20	TNU 220312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4

NEW

C.-DTJN(RL) EXT

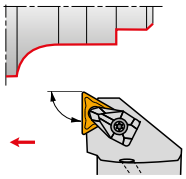
P M K N S H

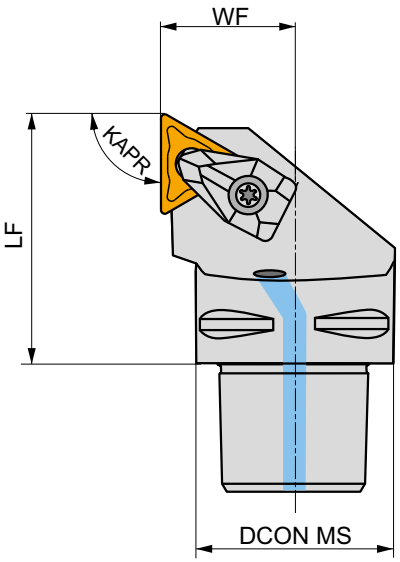
PRAMET

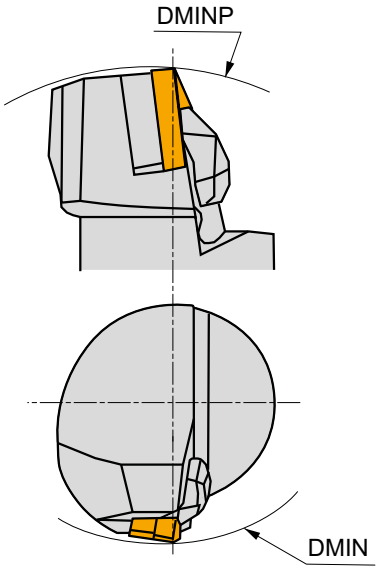
D

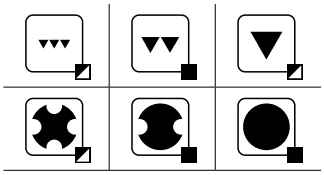
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 93°, para Plaquitas TN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, torneado en cono y achaflanado con plaquitas negativas TN.. 16. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 y C5. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-DTJNR-27050-16	40	110	140	27	50	93	-6	-6	✓	0.43	GI024	C-DT16
R	C5-DTJNR-35060-16	50	110	165	35	60	93	-6	-6	✓	0.79	GI024	C-DT16
L	C4-DTJNL-27050-16	40	110	140	27	50	93	-6	-6	✓	0.44	GI024	C-DT16
L	C5-DTJNL-35060-16	50	110	165	35	60	93	-6	-6	✓	0.79	GI024	C-DT16

GI024	TN.. 1604..

C-DT16	DCS 09	1.7	DTS 315-02	US 2004-T09P	FLAG T09P	CN 045-01

DTFN(RL) INT

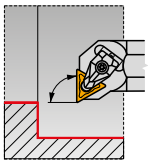
P M K N S H

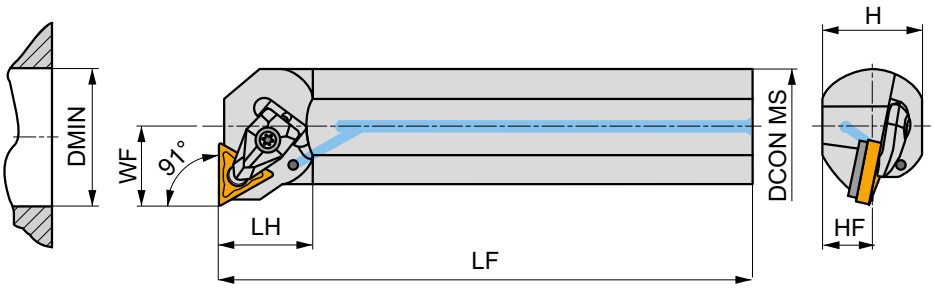
PRAMET

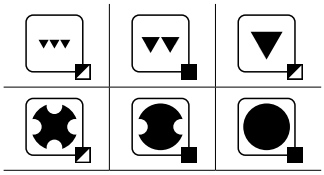
D

Portaherramientas de Interior con Fijación Doble, a 91°, para Plaquitas TN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 91° para plaquitas negativas TN.. 16 y 22. Agujero mínimo de Ø32 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø25 hasta Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	**A25T-DTFNR 16**	25	32	17	23	11.5	300	32	-12	-6	✓	0.96	GI024	DTI16
	A32T-DTFNR 16	32	40	22	30	15	300	33	-10	-6	✓	1.67	GI024	DTI16
	A40T-DTFNR 22	40	50	27	37	18.5	300	36	-13	-6	✓	2.58	GI025	DT22
L	**A25T-DTFNL 16**	25	32	17	23	11.5	300	32	-12	-6	✓	0.96	GI024	DTI16
	A32T-DTFNL 16	32	40	22	30	15	300	33	-10	-6	✓	1.67	GI024	DTI16
	A40T-DTFNL 22	40	50	27	37	18.5	300	36	-13	-6	✓	2.58	GI025	DT22

GI024	TN.. 1604..
GI025	TN.. 2204..

		Nm			
DT22	DCS 12	3.9	DTS 315-04	US 2002-T15P	FLAG T15P/3,5
DTI16	DCS 09	1.7	DTS 316-01	US 2004-T09P	FLAG T09P

PTFN(RL) INT

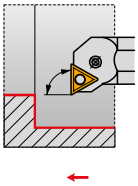
P M K N S H

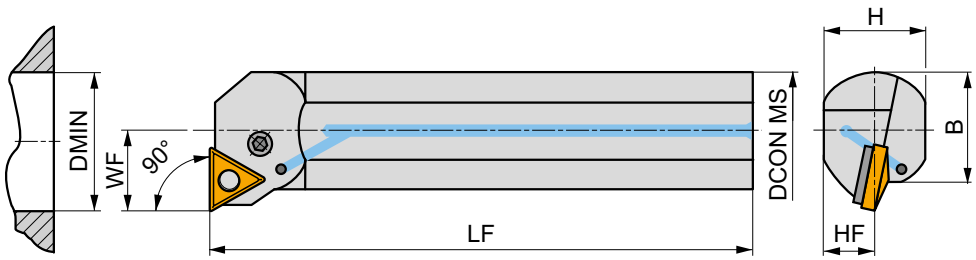
PRAMET

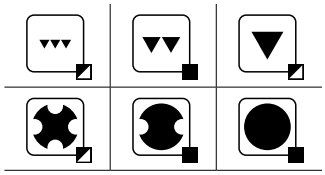
P

Portaherramientas de Interior con Fijación por Palanca, a 90°, para Plaquitas TN..

Portaherramientas de interior a derecha o izquierda con fijación por palanca, refrigeración interna y ángulo de posición de 90° para plaquitas negativas TN.. 16 y 22. Agujero mínimo de Ø32 mm. Para torneado longitudinal con escuadra. torneado en cono y achaflanado. Disponible con mangos de Ø25 hasta Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	**A25R-PTFNR 16**	25	32	17	23	23	200	-12	-6	✓	0.74	GI024	PT11
	A32S-PTFNR 16	32	40	22	30	30	250	-12	-6	✓	1.49	GI024	PT10
	A40T-PTFNR 22	40	50	27	38	38	300	-12	-6	✓	2.58	GI025	PT20
L	**A25R-PTFNL 16**	25	32	17	23	23	200	-12	-6	✓	0.74	GI024	PT11
	A32S-PTFNL 16	32	40	22	30	30	250	-12	-6	✓	1.48	GI024	PT10
	A40T-PTFNL 22	40	50	27	38	38	300	-12	-6	✓	2.90	GI025	PT20

GI024	TN.. 1604..
GI025	TN.. 2204..

				Nm					
PT10	TNU 160308	PU 01	US 34	5.0	M 6x0.75	19	NT 04	MT 04	HXK 3
PT11	TNU 160308	PU 01	US 46	5.0	M 6x0.75	13.2	NT 04	MT 04	HXK 3
PT20	TNU 220312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4

NEW

C.-DTFN(RL) INT

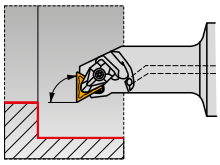
P M K N S H

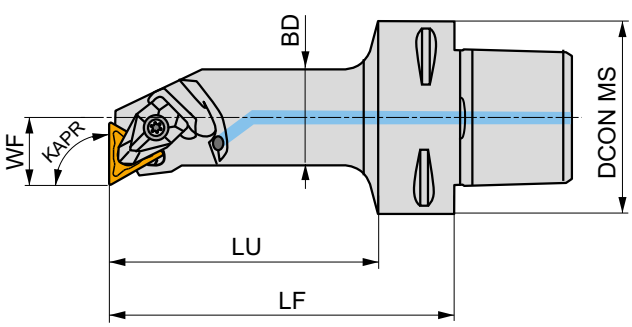
PRAMET

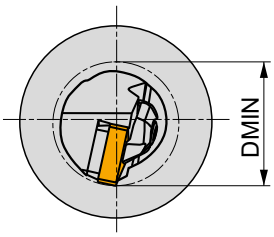
D

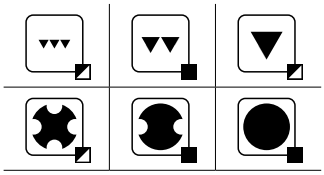
Herramienta de Interior PSC de Cambio Rápido con Fijación Doble, a 91°, para Plaquitas TC..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 91° para una amplia gama de operaciones de torneado interior con plaquitas negativas TN.. 16. Agujero mínimo de Ø32 mm. Mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaño C4 con una longitud útil de 68 mm. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-DTFNR-17090-16	40	32	17	90	68	25	91	-12	-6	✓	0.51	GI024	DTI16

GI024	TN.. 1604..

DTI16	DCS 09	1.7 Nm	DTS 316-01	US 2004-T09P	FLAG T09P

VN 16

PLAQUITAS DE METAL DURO

VNMG

356

PLAQUITAS CER Y CBN

VNGA CER

359

VNGA CBN

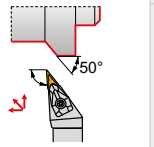
359

ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
VNMG 160404E-SF	DVJNL 2020 K 16

TORNEADO ISO - EXTERIOR

DVJN(RL) EXT

93° | VN.. | 16

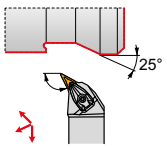


20×20 / 32×25

360 | 356 – 359

DVPN(RL) EXT

62°30´ | VN.. | 16

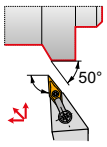


20×20 / 32×25

361 | 356 – 359

MVJN(RL) EXT

93° | VN.. | 16

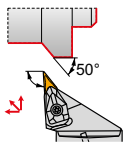


20×20 / 32×25

362 | 356 – 359

C.-DVJN(RL) EXT NEW

93° | VN.. | 16



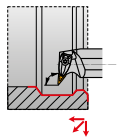
C4 / C6

363 | 356 – 359

TORNEADO ISO - INTERIOR

DVUN(RL) INT

VN.. | 16



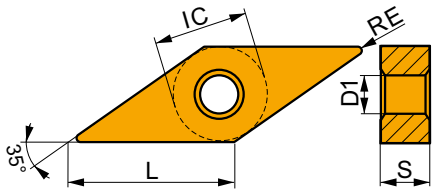
50

364 | 356 – 359

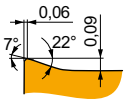
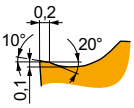
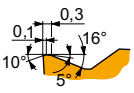
VNMG

PRAMET

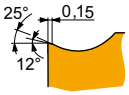
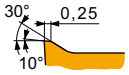
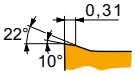
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.60	4.76



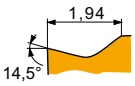
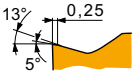
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																	
VNMG 160404E-FF	**T7325**	0.4	165	0.12	1.0	125	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	150	0.12	1.0	90	0.11	1.0	140	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8330	0.4	140	0.12	1.0	80	0.11	1.0	130	0.12	1.0	–	–	–	–	–	–	–	–	–
	T8430	0.4	175	0.12	1.0	95	0.11	1.0	140	0.12	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
VNMG 160404E-FM	**T7325**	0.4	140	0.20	1.2	105	0.18	1.2	–	–	–	–	–	–	45	0.20	1.0	–	–	–
	T8330	0.4	120	0.20	1.2	70	0.18	1.2	110	0.20	1.2	–	–	–	30	0.14	1.0	–	–	–
	T8430	0.4	135	0.20	1.2	75	0.18	1.2	110	0.20	1.2	–	–	–	25	0.14	1.0	–	–	–
	T9310	0.4	210	0.20	1.2	–	–	–	195	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.4	190	0.20	1.2	–	–	–	180	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	170	0.20	1.2	100	0.18	1.2	160	0.20	1.2	–	–	–	35	0.20	1.0	–	–	–
VNMG 160408E-FM	**T7325**	0.8	160	0.20	1.4	120	0.18	1.4	–	–	–	–	–	–	50	0.16	1.1	–	–	–
	T8330	0.8	145	0.20	1.4	85	0.18	1.4	135	0.20	1.4	–	–	–	35	0.16	1.1	–	–	–
	T8430	0.8	165	0.20	1.4	90	0.18	1.4	135	0.20	1.4	–	–	–	35	0.16	1.1	–	–	–
	T9310	0.8	245	0.20	1.4	–	–	–	230	0.20	1.4	–	–	–	–	–	–	–	–	–
	T9315	0.8	220	0.20	1.4	–	–	–	205	0.20	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.8	200	0.20	1.4	120	0.18	1.4	190	0.20	1.4	–	–	–	45	0.16	1.1	–	–	–
VNMG 160412E-FM	**T7325**	1.2	165	0.22	1.4	125	0.20	1.4	–	–	–	–	–	–	50	0.18	1.1	–	–	–
	T8330	1.2	150	0.22	1.4	90	0.20	1.4	140	0.22	1.4	–	–	–	35	0.18	1.1	–	–	–
	T8430	1.2	165	0.22	1.4	90	0.20	1.4	135	0.22	1.4	–	–	–	35	0.18	1.1	–	–	–
	T9315	1.2	225	0.22	1.4	–	–	–	210	0.22	1.4	–	–	–	–	–	–	–	–	–
	T9325	1.2	200	0.22	1.4	120	0.20	1.4	190	0.22	1.4	–	–	–	45	0.18	1.1	–	–	–
																				
			Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																	
VNMG 160404E-M	**T5315**	0.4	180	0.20	1.2	–	–	–	170	0.20	1.2	–	–	–	–	–	–	35	0.15	1.0
	T9315	0.4	170	0.20	1.2	–	–	–	160	0.20	1.2	–	–	–	–	–	–	30	0.15	1.0
	T9325	0.4	155	0.20	1.2	–	–	–	145	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9335	0.4	130	0.20	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG 160408E-M	**T5305**	0.8	205	0.30	1.4	–	–	–	190	0.30	1.4	–	–	–	–	–	–	40	0.15	1.0
	T5315	0.8	185	0.30	1.4	–	–	–	175	0.30	1.4	–	–	–	–	–	–	35	0.15	1.0
	T9310	0.8	185	0.30	1.4	–	–	–	175	0.30	1.4	–	–	–	–	–	–	35	0.15	1.0
	T9315	0.8	170	0.30	1.4	–	–	–	160	0.30	1.4	–	–	–	–	–	–	30	0.15	1.0
	T9325	0.8	150	0.30	1.4	–	–	–	140	0.30	1.4	–	–	–	–	–	–	–	–	–
	T9335	0.8	130	0.30	1.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
VNMG 160412E-M	**T9325**	1.2	140	0.40	1.4	–	–	–	130	0.40	1.4	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																	
VNMG 160404E-NF	**T6310**	0.4	■ 140	0.12	1.2	■ 100	0.11	1.2	◪ 110	0.12	1.2	◪ 420	0.14	1.2	◪ 40	0.11	1.0	–	–	–
	T7325	0.4	◪ 140	0.18	1.2	■ 105	0.16	1.2	–	–	–	–	–	–	◪ 45	0.16	1.0	–	–	–
	T7335	0.4	◪ 140	0.18	1.2	■ 105	0.16	1.2	–	–	–	–	–	–	◪ 45	0.16	1.0	–	–	–
	T8315	0.4	◪ 150	0.12	1.2	■ 90	0.11	1.2	◪ 140	0.12	1.2	◪ 450	0.14	1.2	◪ 35	0.11	1.0	–	–	–
	T8330	0.4	■ 140	0.12	1.2	■ 80	0.11	1.2	◪ 130	0.12	1.2	◪ 420	0.14	1.2	◪ 35	0.11	1.0	–	–	–
	T8430	0.4	■ 175	0.12	1.2	■ 95	0.11	1.2	◪ 140	0.12	1.2	◪ 480	0.14	1.2	◪ 35	0.11	1.0	–	–	–
	T9315	0.4	■ 235	0.12	1.2	–	–	–	◪ 220	0.12	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 180	0.18	1.2	■ 105	0.16	1.2	◪ 170	0.18	1.2	–	–	–	◪ 40	0.16	1.0	–	–	–
VNMG 160408E-NF	**T6310**	0.8	■ 145	0.17	1.4	■ 100	0.15	1.4	◪ 115	0.17	1.4	◪ 435	0.20	1.4	◪ 40	0.14	1.1	–	–	–
	T7325	0.8	◪ 165	0.18	1.4	■ 125	0.16	1.4	–	–	–	–	–	–	◪ 50	0.16	1.1	–	–	–
	T7335	0.8	◪ 160	0.18	1.4	■ 120	0.16	1.4	–	–	–	–	–	–	◪ 50	0.16	1.1	–	–	–
	T8315	0.8	◪ 160	0.17	1.4	■ 95	0.15	1.4	◪ 150	0.17	1.4	◪ 480	0.20	1.4	◪ 40	0.14	1.1	–	–	–
	T8330	0.8	■ 150	0.17	1.4	■ 90	0.15	1.4	◪ 140	0.17	1.4	◪ 450	0.20	1.4	◪ 35	0.14	1.1	–	–	–
	T8430	0.8	■ 175	0.17	1.4	■ 95	0.15	1.4	◪ 140	0.17	1.4	◪ 480	0.20	1.4	◪ 35	0.14	1.1	–	–	–
	T9315	0.8	■ 240	0.17	1.4	–	–	–	◪ 225	0.17	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 210	0.18	1.4	■ 125	0.16	1.4	◪ 195	0.18	1.4	–	–	–	◪ 45	0.16	1.1	–	–	–
			Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																	
VNMG 160404E-NM	**T7325**	0.4	◪ 145	0.20	1.2	■ 110	0.18	1.2	–	–	–	–	–	–	■ 45	0.20	1.0	–	–	–
	T7335	0.4	◪ 140	0.20	1.2	■ 105	0.18	1.2	–	–	–	–	–	–	■ 45	0.20	1.0	–	–	–
	T8315	0.4	◪ 135	0.20	1.2	■ 80	0.18	1.2	–	–	–	◪ 405	0.24	1.2	◪ 30	0.20	1.0	–	–	–
	T8330	0.4	■ 125	0.20	1.2	■ 75	0.18	1.2	–	–	–	◪ 375	0.24	1.2	◪ 30	0.20	1.0	–	–	–
	T8430	0.4	■ 145	0.20	1.2	■ 80	0.18	1.2	–	–	–	◪ 405	0.24	1.2	◪ 30	0.20	1.0	–	–	–
	T9325	0.4	■ 180	0.20	1.2	■ 105	0.18	1.2	–	–	–	–	–	–	◪ 40	0.20	1.0	–	–	–
VNMG 160408E-NM	**T7325**	0.8	◪ 160	0.25	1.4	■ 120	0.23	1.4	–	–	–	–	–	–	■ 50	0.20	1.1	–	–	–
	T7335	0.8	◪ 155	0.25	1.4	■ 120	0.23	1.4	–	–	–	–	–	–	■ 50	0.20	1.1	–	–	–
	T8315	0.8	◪ 145	0.25	1.4	■ 85	0.23	1.4	–	–	–	◪ 435	0.30	1.4	◪ 35	0.20	1.1	–	–	–
	T8330	0.8	■ 140	0.25	1.4	■ 80	0.23	1.4	–	–	–	◪ 420	0.30	1.4	◪ 35	0.20	1.1	–	–	–
	T8430	0.8	■ 155	0.25	1.4	■ 85	0.23	1.4	–	–	–	◪ 435	0.30	1.4	◪ 30	0.20	1.1	–	–	–
	T9325	0.8	■ 190	0.25	1.4	■ 110	0.23	1.4	–	–	–	–	–	–	◪ 40	0.20	1.1	–	–	–
			Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																	
VNMG 160404E-NMR	**T7325**	0.4	◪ 125	0.20	1.2	■ 95	0.18	1.2	–	–	–	–	–	–	■ 40	0.18	1.0	–	–	–
	T7335	0.4	◪ 120	0.20	1.2	■ 90	0.18	1.2	–	–	–	–	–	–	■ 35	0.18	1.0	–	–	–
	T9325	0.4	■ 155	0.20	1.2	■ 90	0.18	1.2	–	–	–	–	–	–	◪ 30	0.18	1.0	–	–	–
VNMG 160408E-NMR	**T7325**	0.8	◪ 130	0.30	1.4	■ 100	0.27	1.4	–	–	–	–	–	–	■ 40	0.24	1.1	–	–	–
	T7335	0.8	◪ 125	0.30	1.4	■ 95	0.27	1.4	–	–	–	–	–	–	■ 40	0.24	1.1	–	–	–
	T8430	0.8	■ 125	0.30	1.4	■ 65	0.27	1.4	–	–	–	–	–	–	◪ 25	0.24	1.1	–	–	–
	T9315	0.8	■ 170	0.30	1.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 150	0.30	1.4	■ 90	0.27	1.4	–	–	–	–	–	–	◪ 30	0.24	1.1	–	–	–
VNMG 160412E-NMR	**T7325**	1.2	◪ 140	0.30	1.4	■ 105	0.27	1.4	–	–	–	–	–	–	■ 45	0.24	1.1	–	–	–
	T8330	1.2	■ 120	0.30	1.4	■ 70	0.27	1.4	–	–	–	–	–	–	◪ 30	0.24	1.1	–	–	–
	T8430	1.2	■ 130	0.30	1.4	■ 70	0.27	1.4	–	–	–	–	–	–	◪ 25	0.24	1.1	–	–	–
	T9325	1.2	■ 160	0.30	1.4	■ 95	0.27	1.4	–	–	–	–	–	–	◪ 35	0.24	1.1	–	–	–

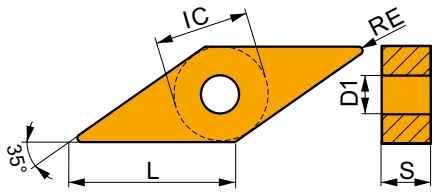
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
																				
Geometría SF con diseño positivo para acabado fino y mecanizado de paredes delgadas con corte contínuo.																				
VNMG 160404E-SF	**T6310**	0.4	■ 135	0.12	1.2	■ 95	0.11	1.2	■ 105	0.12	1.2	◪ 405	0.14	1.2	■ 40	0.11	1.0	■ 25	0.15	1.0
	T7325	0.4	◪ 140	0.17	1.2	■ 105	0.15	1.2	–	–	–	–	–	–	■ 45	0.15	1.0	–	–	–
	T8315	0.4	◪ 140	0.12	1.2	■ 80	0.11	1.2	■ 130	0.12	1.2	◪ 420	0.14	1.2	◪ 35	0.11	1.0	■ 25	0.15	1.0
	T8330	0.4	■ 135	0.12	1.2	■ 80	0.11	1.2	■ 125	0.12	1.2	◪ 405	0.14	1.2	◪ 30	0.11	1.0	◪ 25	0.15	1.0
	T8430	0.4	■ 165	0.12	1.2	■ 90	0.11	1.2	◪ 135	0.12	1.2	◪ 450	0.14	1.2	◪ 35	0.11	1.0	◪ 25	0.15	1.0
	T9315	0.4	■ 225	0.12	1.2	–	–	–	◪ 210	0.12	1.2	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	0.4	■ 175	0.17	1.2	■ 105	0.15	1.2	◪ 165	0.17	1.2	–	–	–	◪ 35	0.15	1.0	–	–	–
VNMG 160408E-SF	**T6310**	0.8	■ 140	0.17	1.4	■ 100	0.15	1.4	■ 110	0.17	1.4	◪ 420	0.20	1.4	■ 40	0.14	1.1	■ 25	0.15	1.0
	T8315	0.8	◪ 150	0.17	1.4	■ 90	0.15	1.4	■ 140	0.17	1.4	◪ 450	0.20	1.4	◪ 35	0.14	1.1	■ 30	0.15	1.0
	T8330	0.8	■ 145	0.17	1.4	■ 85	0.15	1.4	■ 135	0.17	1.4	◪ 435	0.20	1.4	◪ 35	0.14	1.1	◪ 25	0.15	1.0
	T8430	0.8	■ 165	0.17	1.4	■ 90	0.15	1.4	◪ 135	0.17	1.4	◪ 450	0.20	1.4	◪ 35	0.14	1.1	◪ 25	0.15	1.0
	T9315	0.8	■ 230	0.17	1.4	–	–	–	◪ 215	0.17	1.4	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	0.8	■ 205	0.17	1.4	■ 120	0.15	1.4	◪ 190	0.17	1.4	–	–	–	◪ 45	0.15	1.1	–	–	–
VNMG 160412E-SF	**T6310**	1.2	■ 145	0.20	1.4	■ 100	0.18	1.4	■ 115	0.20	1.4	◪ 435	0.24	1.4	■ 40	0.16	1.1	■ 25	0.15	1.0
	T7325	1.2	◪ 165	0.20	1.4	■ 125	0.18	1.4	–	–	–	–	–	–	■ 50	0.16	1.1	–	–	–
																				
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																				
VNMG 160404E-SM	**T6310**	0.4	■ 120	0.18	1.2	■ 85	0.16	1.2	■ 95	0.18	1.2	◪ 360	0.22	1.2	■ 35	0.16	1.0	◪ 20	0.15	1.0
	T7325	0.4	◪ 135	0.18	1.2	■ 105	0.16	1.2	–	–	–	–	–	–	■ 40	0.16	1.0	–	–	–
	T7335	0.4	◪ 135	0.18	1.2	■ 105	0.16	1.2	–	–	–	–	–	–	■ 40	0.16	1.0	–	–	–
	T8330	0.4	■ 120	0.18	1.2	■ 70	0.16	1.2	■ 110	0.18	1.2	◪ 360	0.22	1.2	◪ 30	0.16	1.0	◪ 20	0.15	1.0
	T8430	0.4	■ 135	0.18	1.2	■ 75	0.16	1.2	◪ 110	0.18	1.2	◪ 375	0.22	1.2	◪ 25	0.16	1.0	◪ 20	0.15	1.0
	T9315	0.4	■ 190	0.18	1.2	–	–	–	◪ 180	0.18	1.2	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.4	■ 170	0.18	1.2	■ 100	0.16	1.2	◪ 160	0.18	1.2	–	–	–	◪ 35	0.16	1.0	–	–	–
VNMG 160408E-SM	**T6310**	0.8	■ 125	0.25	1.4	■ 90	0.23	1.4	■ 100	0.25	1.4	◪ 375	0.30	1.4	■ 35	0.20	1.1	◪ 25	0.15	1.0
	T7325	0.8	◪ 145	0.25	1.4	■ 110	0.23	1.4	–	–	–	–	–	–	■ 45	0.20	1.1	–	–	–
	T8330	0.8	■ 125	0.25	1.4	■ 75	0.23	1.4	■ 115	0.25	1.4	◪ 375	0.30	1.4	◪ 30	0.20	1.1	◪ 25	0.15	1.0
	T8430	0.8	■ 140	0.25	1.4	■ 75	0.23	1.4	◪ 115	0.25	1.4	◪ 390	0.30	1.4	◪ 30	0.20	1.1	◪ 20	0.15	1.0
	T9315	0.8	■ 195	0.25	1.4	–	–	–	◪ 185	0.25	1.4	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 170	0.25	1.4	■ 100	0.23	1.4	◪ 160	0.25	1.4	–	–	–	◪ 35	0.20	1.1	–	–	–
VNMG 160412E-SM	**T6310**	1.2	■ 125	0.30	1.4	■ 90	0.27	1.4	■ 100	0.30	1.4	◪ 375	0.36	1.4	■ 35	0.24	1.1	◪ 25	0.15	1.0

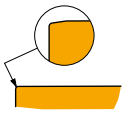
VNGA CER

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.60	4.76



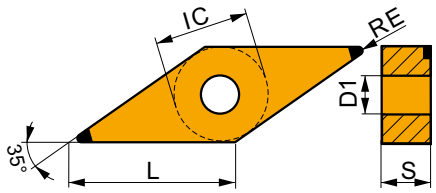
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC T																	
			Para mecanizado con altas velocidades y corte contínuo.																	
VNGA 160404 T01020	**TC100**	0.4	–	–	–	–	–	–	425	0.10	1.0	–	–	–	–	–	–	–	–	–
VNGA 160408 T01020	**TC100**	0.8	–	–	–	–	–	–	395	0.20	1.0	–	–	–	–	–	–	–	–	–

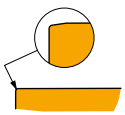
VNGA CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	3.81	16.00	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			HSC S																	
			Para acabado con corte contínuo.																	
VNGA 160404S01020B	**TB310**	0.4	–	–	–	–	–	–	360	0.10	0.4	–	–	–	95	0.07	0.3	75	0.15	1.0
VNGA 160408S01020B	**TB310**	0.8	–	–	–	–	–	–	370	0.15	0.6	–	–	–	95	0.11	0.5	75	0.15	1.0

DVJN(RL) EXT

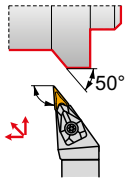
P M K N S H

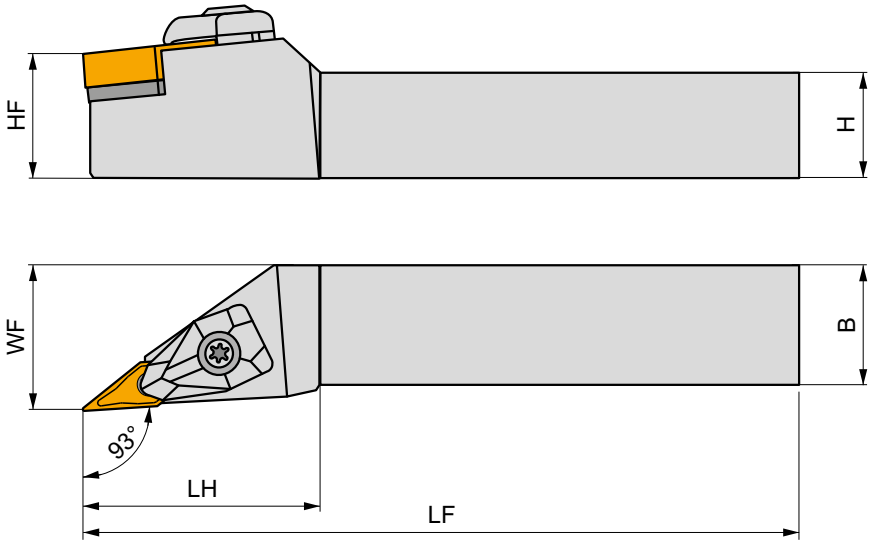
PRAMET

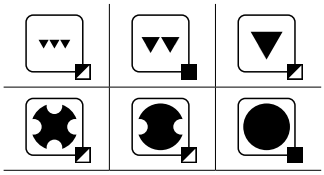
D

Portaherramientas de Exterior con Fijación Doble, a 93°, para Plaquitas VN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas VN.. 16. Disponible con mangos de 20x20 hasta 32x32. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	DVJNR 2020 K 16	20	20	20	25	125	46.4	-13	-4	0.43	GI048	DV16
	DVJNR 2525 M 16	25	25	25	32	150	46.4	-13	-4	0.75	GI048	DV16
	DVJNR 3225 P 16	32	25	32	32	170	46.4	-13	-4	1.05	GI048	DV16
L	DVJNL 2020 K 16	20	20	20	25	125	46.4	-13	-4	0.43	GI048	DV16
	DVJNL 2525 M 16	25	25	25	32	150	46.4	-13	-4	0.75	GI048	DV16
	DVJNL 3225 P 16	32	25	32	32	170	46.4	-13	-4	1.06	GI048	DV16

GI048	VN.. 1604..

DV16	DCS 16V	3.0	DVS 269-01	US 2009-T15P	FLAG T15P/3,5

DVPN(RL) EXT

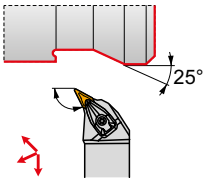
P M K N S H

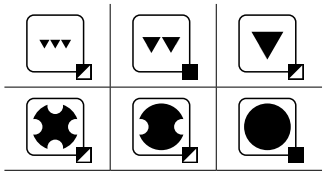
PRAMET

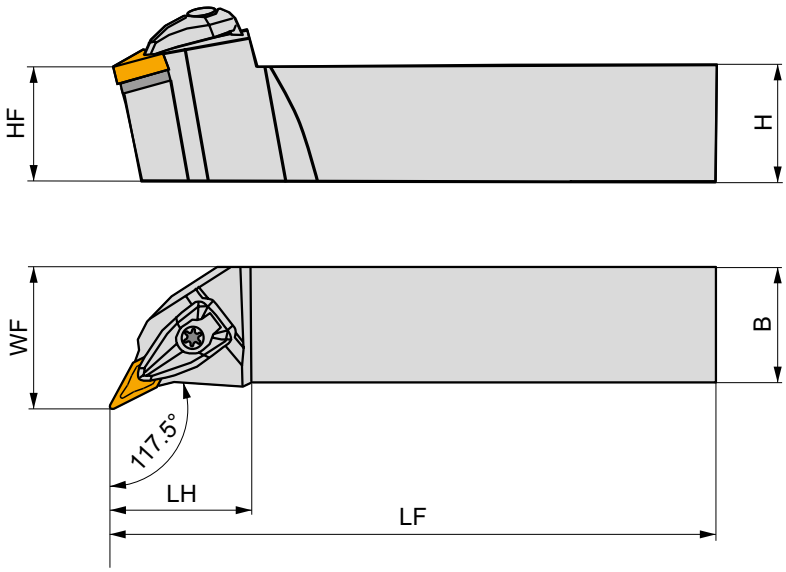
D

Portaherramientas de Exterior con Fijación Doble, a 117,5°, para Plaquitas VN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 117,5°. Adecuado para torneado longitudinal con escuadra, refrentado, torneado en cono, copiado y achaflanado con plaquitas negativas VN .. 16. Disponible con mangos de 25x25 y 32x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**DVPNR 2525 M 16**	25	25	25	32	150	39.2	-13	-4	0.75	GI048	DV16
	DVPNR 3225 P 16	32	25	32	32	170	39.2	-13	-4	1.06	GI048	DV16
L	**DVPNL 2525 M 16**	25	25	25	32	150	39.2	-13	-4	0.74	GI048	DV16
	DVPNL 3225 P 16	32	25	32	32	170	39.2	-13	-4	1.06	GI048	DV16

GI048	VN.. 1604..

DV16	DCS 16V	3.0	DVS 269-01	US 2009-T15P	FLAG T15P/3,5

MVJN(RL) EXT

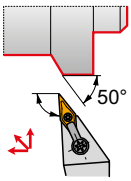
P M K N S H

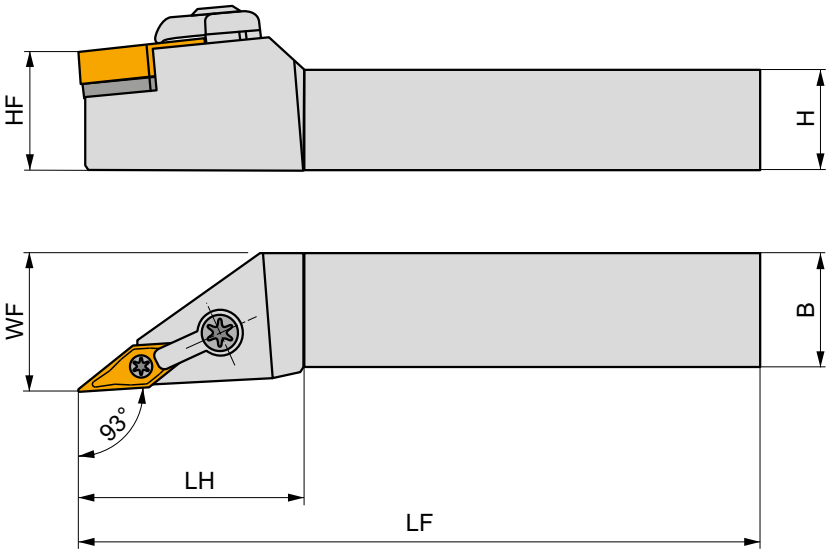
PRAMET

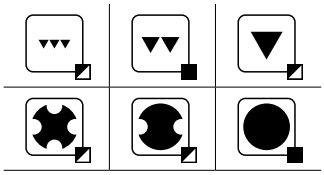
M

Portaherramientas de Exterior con Fijación Múltiple, a 93°, para Plaquitas VN..

Portaherramientas de exterior a derecha o izquierda, con fijación múltiple y ángulo de posición de 93°. Adecuado para torneado longitudinal con escuadra, torneado en cono, copiado hasta 50° y achaflanado con plaquitas negativas VN.. 16. Disponible con mangos de 20x20 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	MVJNR 2020 K 16-A	20	20	20	25	125	41	-4.5	-13.5	0.40	GI048	MV2
	MVJNR 2525 M 16-A	25	25	25	32	150	41	-4.5	-13.5	0.70	GI048	MV2
	MVJNR 3225 P 16-A	32	25	32	32	170	41	-4.5	-13.5	0.98	GI048	MV2
L	MVJNL 2020 K 16-A	20	20	20	25	125	41	-4.5	-13.5	0.40	GI048	MV2
	MVJNL 2525 M 16-A	25	25	25	32	150	41	-4.5	-13.5	0.70	GI048	MV2
	MVJNL 3225 P 16-A	32	25	32	32	170	41	-4.5	-13.5	0.96	GI048	MV2

GI048	VN.. 1604..

MV2	UPC 22	MVN 160316	UP 0909-T09P	2.0	PS 6026-T09P	2.0	FLAG T09P

NEW

C.-DVJN(RL) EXT

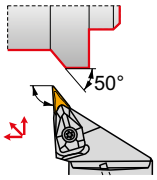
P M K N S H

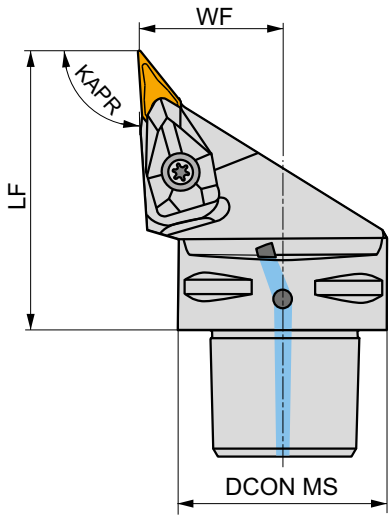
PRAMET

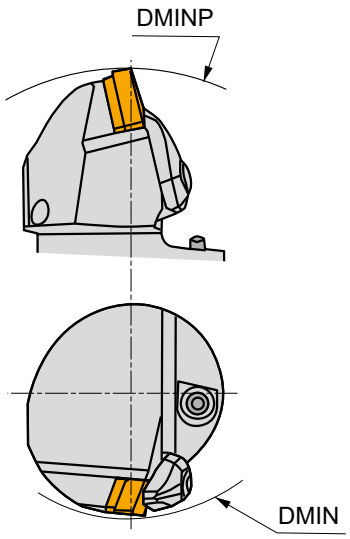
D

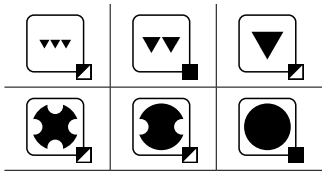
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 93°, para Plaquitas VN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 93° para torneado longitudinal con escuadra, torneado en cono, copiado y achaflanado con plaquitas negativas VN.. 16. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-DVJNR-27062-16	40	60	152	27	62	93	-13	-4	✓	0.45	GI048	C-DV16-1
	C5-DVJNR-35065-16	50	65	170	35	65	93	-13	-4	✓	0.47	GI048	C-DV16-2
	C6-DVJNR-45065-16	63	81	190	45	65	93	-13	-4	✓	1.13	GI048	C-DV16-2
L	C4-DVJNL-27062-16	40	60	152	27	62	93	-13	-4	✓	0.45	GI048	C-DV16-1
	C5-DVJNL-35065-16	50	65	170	35	65	93	-13	-4	✓	0.72	GI048	C-DV16-2
	C6-DVJNL-45065-16	63	81	190	45	65	93	-13	-4	✓	1.13	GI048	C-DV16-2

GI048	VN.. 1604..

		Nm				
C-DV16-1	DCS 16V	3.0	DVS 269-01	US 2009-T15P	FLAG T15P/3,5	CN 034-01
C-DV16-2	DCS 16V	3.0	DVS 269-01	US 2009-T15P	FLAG T15P/3,5	CN 034-02

DVUN(RL) INT

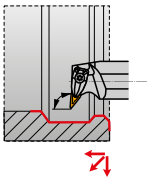
P M K N S H

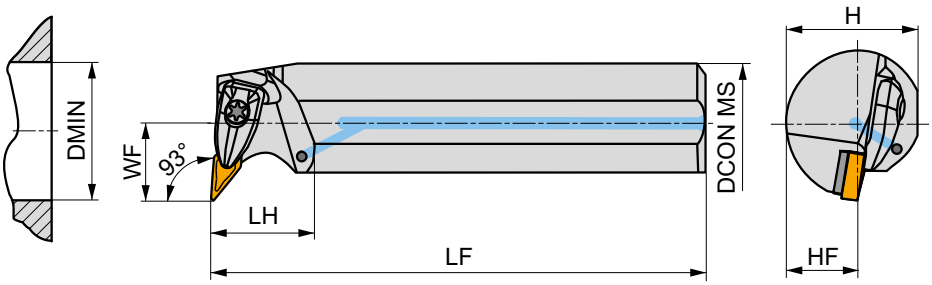
PRAMET

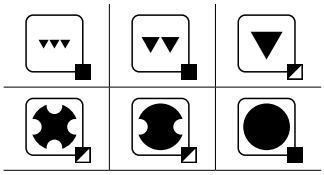
D

Portaherramientas de Interior con Fijación Doble, a 93°, para Plaquitas VN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 93° para plaquitas negativas VN.. 16. Agujero mínimo de Ø50 mm. Para torneado interior longitudinal con escuadra, torneado en cono, copiado y achaflanado. Disponible solo con mango de Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	**A40T-DVUNR 16**	40	50	27	37	18.5	300	36	-9	-6	✓	2.59	GI048	DV16
L	**A40T-DVUNL 16**	40	50	27	37	18.5	300	36	-9	-6	✓	2.59	GI048	DV16

GI048	VN.. 1604..

DV16	DCS 16V	3.0 Nm	DVS 269-01	US 2009-T15P	FLAG T15P/3,5

WN

06/ 08/ 10/ 13

PLAQUITAS DE METAL DURO

WNMA

366

WNMG

366

WNMM

375

PLAQUITAS CER Y CBN

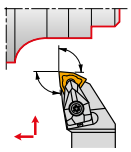
WNGA CBN

376

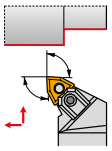
ENCONTRAR EL TAMANO CORRECTO (ejemplo)	
Plaquita	**Portaherramientas**
WNMA **08**0408	DWLNL 2020 K **08**

TORNEADO ISO - EXTERIOR

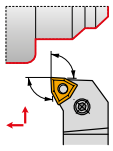
DWLN(RL) EXT

95°	WN..
	06 08 10 13
16×16 40×40	
377	366 – 376

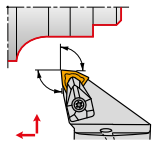
MWLN(RL) EXT

95°	WN..
	08
25×25 40×40	
379	366 – 376

PWLN(RL) EXT

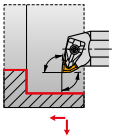
95°	WN..
	06 08
16×16 32×25	
380	366 – 376

C.-DWLN(RL) EXT NEW

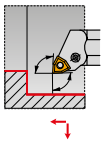
95°	WN..
	06 08
C4 C6	
381	366 – 376

TORNEADO ISO - INTERIOR

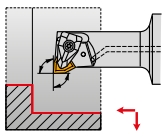
DWLN(RL) INT

95°	WN..
	06 08
32 63	
382	366 – 376

PWLN(RL) INT

95°	WN..
	06 08
20 80	
383	366 – 376

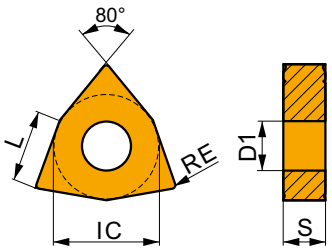
C.-DWLN(RL) INT NEW

95°	WN..
	06 08
27 33	
385	366 – 376

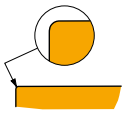
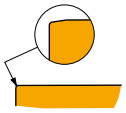
WNMA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0804	12.700	5.16	8.70	4.76



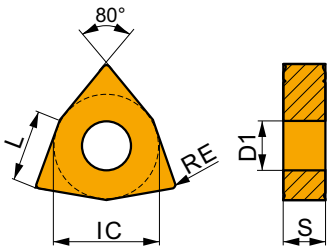
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			E																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
WNMA 080404	**T5305**	0.4	–	–	–	–	–	–	235	0.10	4.0	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.4	–	–	–	–	–	–	200	0.10	4.0	–	–	–	–	–	–	40	0.15	1.0
WNMA 080408	**T5305**	0.8	–	–	–	–	–	–	220	0.20	4.0	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.8	–	–	–	–	–	–	190	0.20	4.0	–	–	–	–	–	–	40	0.15	1.0
	T6310	0.8	–	–	–	–	–	–	100	0.20	4.0	–	–	–	–	–	–	25	0.15	1.0
WNMA 080412	**T5305**	1.2	–	–	–	–	–	–	195	0.30	4.0	–	–	–	–	–	–	40	0.15	1.0
	T5315	1.2	–	–	–	–	–	–	180	0.30	4.0	–	–	–	–	–	–	35	0.15	1.0
	T6310	1.2	–	–	–	–	–	–	95	0.30	4.0	–	–	–	–	–	–	20	0.15	1.0
			S																	
			Para acabado fino a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
WNMA 080408S	**T5305**	0.8	–	–	–	–	–	–	220	0.20	4.0	–	–	–	–	–	–	45	0.15	1.0

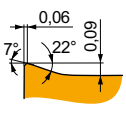
WNMG

PRAMET

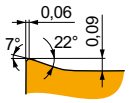
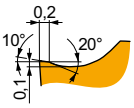
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0604	9.525	3.81	6.50	4.76
06T3	9.525	3.81	6.50	3.97
0804	12.700	5.16	8.70	4.76



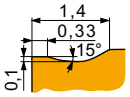
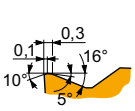
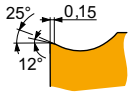
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			U	S																
			Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																	
WNMG 060402E-FF	**T8315**	0.2	215	0.10	1.0	125	0.09	1.0	200	0.10	1.0	–	–	–	–	–	–	–	–	–
WNMG 060404E-FF	**T8315**	0.4	220	0.12	1.0	130	0.11	1.0	205	0.12	1.0	–	–	–	–	–	–	–	–	–

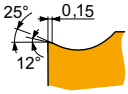
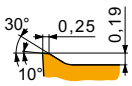
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría FF con un diseño muy positivo para operaciones de acabado fino con corte contínuo y ligeramente interrumpido.																	
WNMG 080404E-FF	**T7325**	0.4	◪ 235	0.12	1.0	■ 180	0.11	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.4	◪ 220	0.12	1.0	■ 130	0.11	1.0	◪ 205	0.12	1.0	–	–	–	–	–	–	–	–	–
WNMG 080408E-FF	**T7325**	0.8	◪ 265	0.15	1.0	■ 205	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	◪ 245	0.15	1.0	■ 145	0.14	1.0	◪ 230	0.15	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría FM con diseño positivo para acabado a semi-desbaste con corte contínuo y ligeramente interrumpido.																	
WNMG 060404E-FM	**T7325**	0.4	◪ 195	0.20	1.4	◪ 150	0.18	1.4	–	–	–	–	–	–	◪ 60	0.16	1.1	–	–	–
	T8315	0.4	◪ 180	0.20	1.4	◪ 105	0.18	1.4	■ 170	0.20	1.4	–	–	–	◪ 45	0.14	1.1	–	–	–
	T8330	0.4	■ 175	0.20	1.4	◪ 105	0.18	1.4	■ 165	0.20	1.4	–	–	–	◪ 40	0.14	1.1	–	–	–
	T8430	0.4	■ 195	0.20	1.4	◪ 105	0.18	1.4	◪ 160	0.20	1.4	–	–	–	◪ 40	0.14	1.1	–	–	–
	T9315	0.4	■ 265	0.20	1.4	–	–	–	◪ 250	0.20	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 240	0.20	1.4	◪ 140	0.18	1.4	◪ 225	0.20	1.4	–	–	–	◪ 50	0.16	1.1	–	–	–
	TT310	0.4	■ 275	0.20	1.4	◪ 165	0.18	1.4	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 060408E-FM	**T7325**	0.8	◪ 235	0.20	1.4	◪ 180	0.18	1.4	–	–	–	–	–	–	◪ 75	0.16	1.1	–	–	–
	T8330	0.8	■ 205	0.20	1.4	◪ 120	0.18	1.4	■ 190	0.20	1.4	–	–	–	◪ 50	0.14	1.1	–	–	–
	T8430	0.8	■ 235	0.20	1.4	◪ 125	0.18	1.4	◪ 190	0.20	1.4	–	–	–	◪ 50	0.14	1.1	–	–	–
	T9315	0.8	■ 315	0.20	1.4	–	–	–	◪ 295	0.20	1.4	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 285	0.20	1.4	◪ 170	0.18	1.4	◪ 270	0.20	1.4	–	–	–	◪ 60	0.16	1.1	–	–	–
WNMG 060412E-FM	**T9315**	1.2	■ 300	0.27	1.2	–	–	–	◪ 285	0.27	1.2	–	–	–	–	–	–	–	–	–
WNMG 06T304E-FM	**T7325**	0.4	◪ 195	0.20	1.4	◪ 150	0.18	1.4	–	–	–	–	–	–	◪ 60	0.16	1.1	–	–	–
	T8330	0.4	■ 175	0.20	1.4	◪ 105	0.18	1.4	■ 165	0.20	1.4	–	–	–	◪ 40	0.14	1.1	–	–	–
	T8430	0.4	■ 195	0.20	1.4	◪ 105	0.18	1.4	◪ 160	0.20	1.4	–	–	–	◪ 40	0.14	1.1	–	–	–
	T9325	0.4	■ 240	0.20	1.4	◪ 140	0.18	1.4	◪ 225	0.20	1.4	–	–	–	◪ 50	0.16	1.1	–	–	–
WNMG 06T308E-FM	**T8330**	0.8	■ 205	0.20	1.4	◪ 120	0.18	1.4	■ 190	0.20	1.4	–	–	–	◪ 50	0.14	1.1	–	–	–
	T8430	0.8	■ 235	0.20	1.4	◪ 125	0.18	1.4	◪ 190	0.20	1.4	–	–	–	◪ 50	0.14	1.1	–	–	–
	T9325	0.8	■ 285	0.20	1.4	◪ 170	0.18	1.4	◪ 270	0.20	1.4	–	–	–	◪ 60	0.16	1.1	–	–	–
WNMG 080404E-FM	**T7325**	0.4	◪ 190	0.20	1.9	◪ 145	0.18	1.9	–	–	–	–	–	–	◪ 60	0.16	1.5	–	–	–
	T7335	0.4	◪ 180	0.20	1.9	◪ 140	0.18	1.9	–	–	–	–	–	–	◪ 55	0.16	1.5	–	–	–
	T8315	0.4	◪ 180	0.20	1.9	◪ 105	0.18	1.9	■ 170	0.20	1.9	–	–	–	◪ 45	0.14	1.5	–	–	–
	T8330	0.4	■ 165	0.20	1.9	◪ 95	0.18	1.9	■ 155	0.20	1.9	–	–	–	◪ 40	0.14	1.5	–	–	–
	T8430	0.4	■ 190	0.20	1.9	◪ 105	0.18	1.9	◪ 155	0.20	1.9	–	–	–	◪ 40	0.14	1.5	–	–	–
	T9310	0.4	■ 285	0.20	1.9	–	–	–	◪ 270	0.20	1.9	–	–	–	–	–	–	–	–	–
	T9315	0.4	■ 270	0.20	1.2	–	–	–	◪ 255	0.20	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 245	0.20	1.2	◪ 145	0.18	1.2	◪ 230	0.20	1.2	–	–	–	◪ 55	0.16	1.0	–	–	–
WNMG 080408E-FM	**T7325**	0.8	◪ 225	0.20	1.9	◪ 175	0.18	1.9	–	–	–	–	–	–	◪ 70	0.16	1.5	–	–	–
	T7335	0.8	◪ 215	0.20	1.9	◪ 165	0.18	1.9	–	–	–	–	–	–	◪ 65	0.16	1.5	–	–	–
	T8315	0.8	◪ 210	0.20	1.9	◪ 125	0.18	1.9	■ 195	0.20	1.9	–	–	–	◪ 50	0.16	1.5	–	–	–
	T8330	0.8	■ 195	0.20	1.9	◪ 115	0.18	1.9	■ 185	0.20	1.9	–	–	–	◪ 45	0.16	1.5	–	–	–
	T8430	0.8	■ 225	0.20	1.9	◪ 120	0.18	1.9	◪ 185	0.20	1.9	–	–	–	◪ 45	0.16	1.5	–	–	–
	T9310	0.8	■ 335	0.20	1.9	–	–	–	◪ 315	0.20	1.9	–	–	–	–	–	–	–	–	–
	T9315	0.8	■ 310	0.20	1.9	–	–	–	◪ 290	0.20	1.9	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 280	0.20	1.9	◪ 165	0.18	1.9	◪ 265	0.20	1.9	–	–	–	◪ 60	0.16	1.5	–	–	–
WNMG 080412E-FM	**T7325**	1.2	◪ 220	0.27	1.9	◪ 170	0.24	1.9	–	–	–	–	–	–	◪ 70	0.19	1.5	–	–	–
	T7335	1.2	◪ 205	0.27	1.9	◪ 155	0.24	1.9	–	–	–	–	–	–	◪ 65	0.19	1.5	–	–	–
	T8330	1.2	■ 190	0.27	1.9	◪ 110	0.24	1.9	■ 180	0.27	1.9	–	–	–	◪ 45	0.19	1.5	–	–	–
	T8430	1.2	■ 210	0.27	1.9	◪ 115	0.24	1.9	◪ 175	0.27	1.9	–	–	–	◪ 45	0.19	1.5	–	–	–
	T9310	1.2	■ 310	0.27	1.9	–	–	–	◪ 290	0.27	1.9	–	–	–	–	–	–	–	–	–
	T9315	1.2	■ 285	0.27	1.9	–	–	–	◪ 270	0.27	1.9	–	–	–	–	–	–	–	–	–
	T9325	1.2	■ 255	0.27	1.9	◪ 150	0.24	1.9	◪ 240	0.27	1.9	–	–	–	◪ 55	0.19	1.5	–	–	–

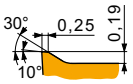
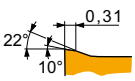
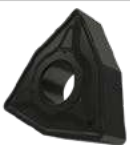
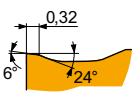
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría KR para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
WNMG 080408E-KR	**T5305**	0.8	255	0.35	3.5	–	–	–	240	0.35	3.5	–	–	–	–	–	–	50	0.15	1.0
	T5315	0.8	230	0.35	3.5	–	–	–	215	0.35	3.5	–	–	–	–	–	–	45	0.15	1.0
WNMG 080412E-KR	**T5305**	1.2	260	0.40	3.5	–	–	–	245	0.40	3.5	–	–	–	–	–	–	50	0.15	1.0
	T5315	1.2	235	0.40	3.5	–	–	–	220	0.40	3.5	–	–	–	–	–	–	45	0.15	1.0
																				
Geometría M para acabado a semi-desbaste con corte contínuo a interrumpido.																				
WNMG 060404E-M	**T5315**	0.4	250	0.20	1.8	–	–	–	235	0.20	1.8	–	–	–	–	–	–	50	0.15	1.0
	T9315	0.4	240	0.20	1.8	–	–	–	225	0.20	1.8	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.4	215	0.20	1.8	–	–	–	200	0.20	1.8	–	–	–	–	–	–	–	–	–
	T9335	0.4	180	0.20	1.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 060408E-M	**T5315**	0.8	255	0.32	1.8	–	–	–	240	0.32	1.8	–	–	–	–	–	–	50	0.15	1.0
	T9310	0.8	250	0.32	1.8	–	–	–	235	0.32	1.8	–	–	–	–	–	–	50	0.15	1.0
	T9315	0.8	230	0.32	1.8	–	–	–	215	0.32	1.8	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	205	0.32	1.8	–	–	–	190	0.32	1.8	–	–	–	–	–	–	–	–	–
	T9335	0.8	180	0.32	1.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080404E-M	**T5315**	0.4	260	0.20	1.2	–	–	–	245	0.20	1.2	–	–	–	–	–	–	50	0.15	1.0
	T9315	0.4	235	0.20	2.1	–	–	–	220	0.20	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.4	210	0.20	2.1	–	–	–	195	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9335	0.4	180	0.20	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080408E-M	**T5305**	0.8	280	0.32	2.1	–	–	–	265	0.32	2.1	–	–	–	–	–	–	55	0.15	1.0
	T5315	0.8	250	0.32	2.1	–	–	–	235	0.32	2.1	–	–	–	–	–	–	50	0.15	1.0
	T8330	0.8	155	0.32	2.1	–	–	–	145	0.32	2.1	–	–	–	–	–	–	30	0.15	1.0
	T8430	0.8	170	0.32	2.1	–	–	–	135	0.32	2.1	–	–	–	–	–	–	25	0.15	1.0
	T9310	0.8	245	0.32	2.1	–	–	–	230	0.32	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9315	0.8	225	0.32	2.1	–	–	–	210	0.32	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9325	0.8	200	0.32	2.1	–	–	–	190	0.32	2.1	–	–	–	–	–	–	–	–	–
	T9335	0.8	180	0.32	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080412E-M	**T5305**	1.2	275	0.40	2.1	–	–	–	260	0.40	2.1	–	–	–	–	–	–	55	0.15	1.0
	T5315	1.2	245	0.40	2.1	–	–	–	230	0.40	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9310	1.2	235	0.40	2.1	–	–	–	220	0.40	2.1	–	–	–	–	–	–	45	0.15	1.0
	T9315	1.2	220	0.40	2.1	–	–	–	205	0.40	2.1	–	–	–	–	–	–	40	0.15	1.0
	T9325	1.2	195	0.40	2.1	–	–	–	185	0.40	2.1	–	–	–	–	–	–	–	–	–
	T9335	1.2	170	0.40	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																				
WNMG 060404E-NF	**T6310**	0.4	190	0.17	0.8	135	0.15	0.8	150	0.17	0.8	570	0.20	0.8	55	0.12	0.6	–	–	–
	T7325	0.4	215	0.18	0.8	165	0.16	0.8	–	–	–	–	–	–	65	0.16	0.6	–	–	–
	T7335	0.4	210	0.18	0.8	160	0.16	0.8	–	–	–	–	–	–	65	0.16	0.6	–	–	–
	T8315	0.4	200	0.17	0.8	120	0.15	0.8	190	0.17	0.8	600	0.20	0.8	50	0.12	0.6	–	–	–
	T8330	0.4	190	0.17	0.8	110	0.15	0.8	180	0.17	0.8	570	0.20	0.8	45	0.12	0.6	–	–	–
	T8430	0.4	225	0.17	0.8	120	0.15	0.8	185	0.17	0.8	615	0.20	0.8	45	0.12	0.6	–	–	–
	T9315	0.4	305	0.17	0.8	–	–	–	285	0.17	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.4	265	0.18	0.8	155	0.16	0.8	250	0.18	0.8	–	–	–	55	0.16	0.6	–	–	–
WNMG 060408E-NF	**T6310**	0.8	215	0.19	1.0	150	0.17	1.0	170	0.19	1.0	645	0.23	1.0	60	0.15	0.8	–	–	–
	T7325	0.8	245	0.19	1.0	190	0.17	1.0	–	–	–	–	–	–	75	0.15	0.8	–	–	–
	T8330	0.8	215	0.19	1.0	125	0.17	1.0	200	0.19	1.0	645	0.23	1.0	50	0.15	0.8	–	–	–
	T8430	0.8	245	0.19	1.0	135	0.17	1.0	200	0.19	1.0	675	0.23	1.0	50	0.15	0.8	–	–	–
	T9315	0.8	335	0.19	1.0	–	–	–	315	0.19	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	300	0.19	1.0	180	0.17	1.0	285	0.19	1.0	–	–	–	65	0.15	0.8	–	–	–

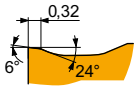
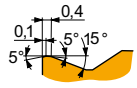
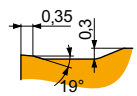
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
																				
Geometría NF con diseño muy positivo, para acabado fino a mecanizado medio con corte contínuo.																				
WNMG 080404E-NF	**HF7**	0.4	–	–	–	95	0.15	1.7	155	0.17	1.7	495	0.20	1.7	–	–	–	–	–	–
	T6310	0.4	180	0.17	1.7	125	0.15	1.7	145	0.17	1.7	540	0.20	1.7	50	0.14	1.4	–	–	–
	T7325	0.4	200	0.18	1.7	155	0.16	1.7	–	–	–	–	–	–	65	0.16	1.4	–	–	–
	T7335	0.4	195	0.18	1.7	150	0.16	1.7	–	–	–	–	–	–	60	0.16	1.4	–	–	–
	T8315	0.4	185	0.17	1.7	110	0.15	1.7	175	0.17	1.7	555	0.20	1.7	45	0.14	1.4	–	–	–
	T8330	0.4	180	0.17	1.7	105	0.15	1.7	170	0.17	1.7	540	0.20	1.7	45	0.14	1.4	–	–	–
	T8430	0.4	200	0.17	1.7	110	0.15	1.7	165	0.17	1.7	555	0.20	1.7	40	0.14	1.4	–	–	–
	T9315	0.4	285	0.17	1.7	–	–	–	270	0.17	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.4	250	0.18	1.7	150	0.16	1.7	235	0.18	1.7	–	–	–	55	0.16	1.4	–	–	–
WNMG 080408E-NF	**HF7**	0.8	–	–	–	110	0.17	1.7	180	0.19	1.7	570	0.23	1.7	–	–	–	–	–	–
	T6310	0.8	200	0.19	1.7	140	0.17	1.7	160	0.19	1.7	600	0.23	1.7	60	0.15	1.4	–	–	–
	T7325	0.8	235	0.19	1.7	180	0.17	1.7	–	–	–	–	–	–	75	0.15	1.4	–	–	–
	T7335	0.8	225	0.19	1.7	175	0.17	1.7	–	–	–	–	–	–	70	0.15	1.4	–	–	–
	T8315	0.8	215	0.19	1.7	125	0.17	1.7	200	0.19	1.7	645	0.23	1.7	50	0.15	1.4	–	–	–
	T8330	0.8	200	0.19	1.7	120	0.17	1.7	190	0.19	1.7	600	0.23	1.7	50	0.15	1.4	–	–	–
	T8430	0.8	235	0.19	1.7	125	0.17	1.7	190	0.19	1.7	645	0.23	1.7	50	0.15	1.4	–	–	–
	T9315	0.8	320	0.19	1.7	–	–	–	300	0.19	1.7	–	–	–	–	–	–	–	–	–
	T9325	0.8	285	0.19	1.7	170	0.17	1.7	270	0.19	1.7	–	–	–	60	0.15	1.4	–	–	–
WNMG 080412E-NF	**T6310**	1.2	185	0.30	2.1	130	0.27	2.1	145	0.30	2.1	555	0.36	2.1	55	0.21	1.7	–	–	–
	T7325	1.2	205	0.30	2.1	155	0.27	2.1	–	–	–	–	–	–	65	0.21	1.7	–	–	–
	T8430	1.2	200	0.30	2.1	110	0.27	2.1	165	0.30	2.1	555	0.36	2.1	40	0.21	1.7	–	–	–
	T9315	1.2	275	0.30	2.1	–	–	–	260	0.30	2.1	–	–	–	–	–	–	–	–	–
	T9325	1.2	245	0.30	2.1	145	0.27	2.1	230	0.30	2.1	–	–	–	55	0.21	1.7	–	–	–
																				
Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																				
WNMG 060404E-NM	**T7325**	0.4	200	0.20	1.8	155	0.18	1.8	–	–	–	–	–	–	65	0.16	1.4	–	–	–
	T7335	0.4	195	0.20	1.8	150	0.18	1.8	–	–	–	–	–	–	60	0.16	1.4	–	–	–
	T8315	0.4	185	0.20	1.8	110	0.18	1.8	–	–	–	555	0.24	1.8	45	0.16	1.4	–	–	–
	T8330	0.4	175	0.20	1.8	105	0.18	1.8	–	–	–	525	0.24	1.8	40	0.16	1.4	–	–	–
	T8430	0.4	185	0.25	1.8	100	0.23	1.8	–	–	–	510	0.30	1.8	40	0.20	1.4	–	–	–
	T9325	0.4	245	0.20	1.8	145	0.18	1.8	–	–	–	–	–	–	55	0.16	1.4	–	–	–
WNMG 060408E-NM	**T7325**	0.8	220	0.25	1.8	170	0.23	1.8	–	–	–	–	–	–	70	0.20	1.4	–	–	–
	T7335	0.8	215	0.25	1.8	165	0.23	1.8	–	–	–	–	–	–	65	0.20	1.4	–	–	–
	T8315	0.8	205	0.25	1.8	120	0.23	1.8	–	–	–	615	0.30	1.8	50	0.20	1.4	–	–	–
	T8330	0.8	195	0.25	1.8	115	0.23	1.8	–	–	–	585	0.30	1.8	45	0.20	1.4	–	–	–
	T8430	0.8	220	0.25	1.8	120	0.23	1.8	–	–	–	600	0.30	1.8	45	0.20	1.4	–	–	–
	T9315	0.8	290	0.25	1.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	265	0.25	1.8	155	0.23	1.8	–	–	–	–	–	–	55	0.20	1.4	–	–	–
WNMG 060412E-NM	**T7325**	1.2	220	0.30	1.8	170	0.27	1.8	–	–	–	–	–	–	70	0.24	1.4	–	–	–
	T7335	1.2	220	0.30	1.2	170	0.27	1.2	–	–	–	–	–	–	70	0.24	1.0	–	–	–
	T9315	1.2	285	0.30	1.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	255	0.30	1.8	150	0.27	1.8	–	–	–	–	–	–	55	0.24	1.4	–	–	–
WNMG 080404E-NM	**T7325**	0.4	195	0.20	2.1	150	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T7335	0.4	190	0.20	2.1	145	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T8315	0.4	180	0.20	2.1	105	0.18	2.1	–	–	–	540	0.24	2.1	45	0.16	1.7	–	–	–
	T8330	0.4	170	0.20	2.1	100	0.18	2.1	–	–	–	510	0.24	2.1	40	0.16	1.7	–	–	–
	T8430	0.4	180	0.25	2.1	95	0.23	2.1	–	–	–	495	0.30	2.1	35	0.20	1.7	–	–	–
	T9315	0.4	270	0.20	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.20	2.1	140	0.18	2.1	–	–	–	–	–	–	50	0.16	1.7	–	–	–

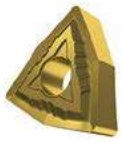
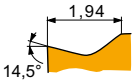
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría NM con diseño muy positivo para acabado fino, mecanizado medio y desbaste con corte contínuo.																				
WNMG 080408E-NM	**T7325**	0.8	215	0.25	2.1	165	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T7335	0.8	210	0.25	2.1	160	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T8315	0.8	205	0.25	2.1	120	0.23	2.1	–	–	–	615	0.30	2.1	50	0.20	1.7	–	–	–
	T8330	0.8	195	0.25	2.1	115	0.23	2.1	–	–	–	585	0.30	2.1	45	0.20	1.7	–	–	–
	T8430	0.8	210	0.25	2.1	115	0.23	2.1	–	–	–	585	0.30	2.1	45	0.20	1.7	–	–	–
	T9315	0.8	290	0.25	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.25	2.1	155	0.23	2.1	–	–	–	–	–	–	55	0.20	1.7	–	–	–
WNMG 080412E-NM	**T7325**	1.2	215	0.30	2.1	165	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T7335	1.2	210	0.30	2.1	160	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T8315	1.2	205	0.30	2.1	120	0.27	2.1	–	–	–	615	0.36	2.1	50	0.24	1.7	–	–	–
	T9325	1.2	255	0.30	2.1	150	0.27	2.1	–	–	–	–	–	–	55	0.24	1.7	–	–	–
																				
Geometría NMR con diseño positivo para mecanizado medio a desbaste con corte contínuo.																				
WNMG 060404E-NMR	**T6310**	0.4	145	0.25	1.6	100	0.23	1.6	–	–	–	–	–	–	40	0.20	1.3	–	–	–
	T7325	0.4	160	0.25	1.6	120	0.23	1.6	–	–	–	–	–	–	50	0.20	1.3	–	–	–
	T8430	0.4	145	0.31	1.6	80	0.28	1.6	–	–	–	–	–	–	30	0.25	1.3	–	–	–
	T9325	0.4	200	0.25	1.6	120	0.23	1.6	–	–	–	–	–	–	45	0.20	1.3	–	–	–
WNMG 060408E-NMR	**T6310**	0.8	155	0.35	1.6	110	0.32	1.6	–	–	–	–	–	–	45	0.25	1.3	–	–	–
	T7325	0.8	175	0.35	1.6	135	0.32	1.6	–	–	–	–	–	–	55	0.25	1.3	–	–	–
	T7335	0.8	170	0.35	1.6	130	0.32	1.6	–	–	–	–	–	–	55	0.25	1.3	–	–	–
	T9315	0.8	225	0.35	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	200	0.35	1.6	120	0.32	1.6	–	–	–	–	–	–	45	0.25	1.3	–	–	–
WNMG 080404E-NMR	**T6310**	0.4	140	0.25	2.7	100	0.23	2.7	–	–	–	–	–	–	40	0.20	2.2	–	–	–
	T7325	0.4	155	0.25	2.7	120	0.23	2.7	–	–	–	–	–	–	50	0.20	2.2	–	–	–
	T7335	0.4	150	0.25	2.7	115	0.23	2.7	–	–	–	–	–	–	45	0.20	2.2	–	–	–
	T8330	0.4	140	0.25	2.7	80	0.23	2.7	–	–	–	–	–	–	35	0.20	2.2	–	–	–
	T8430	0.4	140	0.31	2.7	75	0.28	2.7	–	–	–	–	–	–	30	0.25	2.2	–	–	–
	T9315	0.4	205	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.4	185	0.25	2.7	110	0.23	2.7	–	–	–	–	–	–	40	0.20	2.2	–	–	–
WNMG 080408E-NMR	**T6310**	0.8	150	0.35	2.7	105	0.32	2.7	–	–	–	–	–	–	45	0.25	2.2	–	–	–
	T7325	0.8	170	0.35	2.7	130	0.32	2.7	–	–	–	–	–	–	55	0.25	2.2	–	–	–
	T7335	0.8	160	0.35	2.7	120	0.32	2.7	–	–	–	–	–	–	50	0.25	2.2	–	–	–
	T8330	0.8	150	0.35	2.7	90	0.32	2.7	–	–	–	–	–	–	35	0.25	2.2	–	–	–
	T8430	0.8	155	0.35	2.7	85	0.32	2.7	–	–	–	–	–	–	30	0.25	2.2	–	–	–
	T9315	0.8	210	0.35	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.35	2.7	110	0.32	2.7	–	–	–	–	–	–	40	0.25	2.2	–	–	–
WNMG 080412E-NMR	**T6310**	1.2	150	0.40	2.7	105	0.36	2.7	–	–	–	–	–	–	45	0.28	2.2	–	–	–
	T7325	1.2	170	0.40	2.7	130	0.36	2.7	–	–	–	–	–	–	55	0.28	2.2	–	–	–
	T7335	1.2	160	0.40	2.7	120	0.36	2.7	–	–	–	–	–	–	50	0.28	2.2	–	–	–
	T8330	1.2	150	0.40	2.7	90	0.36	2.7	–	–	–	–	–	–	35	0.28	2.2	–	–	–
	T8430	1.2	155	0.40	2.7	85	0.36	2.7	–	–	–	–	–	–	30	0.28	2.2	–	–	–
	T9315	1.2	215	0.40	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	T9325	1.2	190	0.40	2.7	110	0.36	2.7	–	–	–	–	–	–	40	0.28	2.2	–	–	–
																				
Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																				
WNMG 080404-NRM	**T7325**	0.4	155	0.25	2.7	120	0.23	2.7	–	–	–	–	–	–	50	0.18	2.2	–	–	–
	T7335	0.4	150	0.25	2.7	115	0.23	2.7	–	–	–	–	–	–	45	0.18	2.2	–	–	–
	T9315	0.4	205	0.25	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080408-NRM	**T7325**	0.8	170	0.35	2.7	130	0.32	2.7	–	–	–	–	–	–	55	0.28	2.2	–	–	–
	T7335	0.8	160	0.35	2.7	120	0.32	2.7	–	–	–	–	–	–	50	0.28	2.2	–	–	–
	T9315	0.8	210	0.35	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

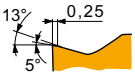
Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Geometría NRM con diseño positivo para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
WNMG 080412-NRM	**T7325**	1.2	170	0.40	2.7	130	0.36	2.7	–	–	–	–	–	–	55	0.28	2.2	–	–	–
	T7335	1.2	160	0.40	2.7	120	0.36	2.7	–	–	–	–	–	–	50	0.28	2.2	–	–	–
	T9315	1.2	215	0.40	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría R para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
WNMG 080408E-R	**T5305**	0.8	245	0.40	3.5	–	–	–	230	0.40	3.5	–	–	–	–	–	–	45	0.15	1.0
	T5315	0.8	220	0.40	3.5	–	–	–	205	0.40	3.5	–	–	–	–	–	–	40	0.15	1.0
	T9310	0.8	210	0.40	3.5	–	–	–	195	0.40	3.5	–	–	–	–	–	–	40	0.15	1.0
	T9315	0.8	195	0.40	3.5	–	–	–	185	0.40	3.5	–	–	–	–	–	–	35	0.15	1.0
	T9325	0.8	175	0.40	3.5	–	–	–	165	0.40	3.5	–	–	–	–	–	–	–	–	–
	T9335	0.8	155	0.40	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080412E-R	**T5305**	1.2	250	0.45	3.5	–	–	–	235	0.45	3.5	–	–	–	–	–	–	50	0.15	1.0
	T5315	1.2	225	0.45	3.5	–	–	–	210	0.45	3.5	–	–	–	–	–	–	45	0.15	1.0
	T9310	1.2	215	0.45	3.5	–	–	–	200	0.45	3.5	–	–	–	–	–	–	40	0.15	1.0
	T9315	1.2	200	0.45	3.5	–	–	–	190	0.45	3.5	–	–	–	–	–	–	40	0.15	1.0
	T9325	1.2	180	0.45	3.5	–	–	–	170	0.45	3.5	–	–	–	–	–	–	–	–	–
	T9335	1.2	155	0.45	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			Geometría RM para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
WNMG 060412E-RM	**T9310**	1.2	245	0.45	3.0	–	–	–	230	0.45	3.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	230	0.45	3.0	–	–	–	215	0.45	3.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	230	0.45	1.2	135	0.41	1.2	215	0.45	1.2	–	–	–	–	–	–	–	–	–
WNMG 080408E-RM	**T5305**	0.8	275	0.40	4.0	–	–	–	260	0.40	4.0	–	–	–	–	–	–	–	–	–
	T5315	0.8	250	0.40	4.0	–	–	–	235	0.40	4.0	–	–	–	–	–	–	–	–	–
	T7325	0.8	180	0.40	4.0	140	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	0.8	165	0.40	4.0	125	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	0.8	165	0.40	4.0	95	0.36	4.0	155	0.40	4.0	–	–	–	–	–	–	–	–	–
	T8330	0.8	155	0.40	4.0	90	0.36	4.0	145	0.40	4.0	–	–	–	–	–	–	–	–	–
	T8430	0.8	165	0.40	4.0	90	0.36	4.0	135	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9310	0.8	240	0.40	4.0	–	–	–	225	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9315	0.8	220	0.40	4.0	–	–	–	205	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	200	0.40	4.0	120	0.36	4.0	190	0.40	4.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	170	0.40	4.0	100	0.36	4.0	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080412E-RM	**T5305**	1.2	280	0.45	4.0	–	–	–	265	0.45	4.0	–	–	–	–	–	–	–	–	–
	T5315	1.2	250	0.45	4.0	–	–	–	235	0.45	4.0	–	–	–	–	–	–	–	–	–
	T7325	1.2	180	0.45	4.0	140	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T7335	1.2	170	0.45	4.0	130	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8315	1.2	170	0.45	4.0	100	0.41	4.0	160	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9310	1.2	240	0.45	4.0	–	–	–	225	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9315	1.2	220	0.45	4.0	–	–	–	205	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.2	200	0.45	4.0	120	0.41	4.0	190	0.45	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	175	0.45	4.0	105	0.41	4.0	–	–	–	–	–	–	–	–	–	–	–	–
WNMG 080416E-RM	**T5305**	1.6	280	0.50	4.0	–	–	–	265	0.50	4.0	–	–	–	–	–	–	–	–	–
	T5315	1.6	255	0.50	4.0	–	–	–	240	0.50	4.0	–	–	–	–	–	–	–	–	–
	T7335	1.6	175	0.50	4.0	135	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	T8430	1.6	170	0.50	4.0	90	0.45	4.0	135	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9310	1.6	240	0.50	4.0	–	–	–	225	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9315	1.6	220	0.50	4.0	–	–	–	205	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9325	1.6	205	0.50	4.0	120	0.45	4.0	190	0.50	4.0	–	–	–	–	–	–	–	–	–
	T9335	1.6	175	0.50	4.0	105	0.45	4.0	–	–	–	–	–	–	–	–	–	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
		(mm)																		
																				

Geometría SF con diseño positivo para acabado fino y mecanizado de paredes delgadas con corte contínuo.

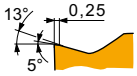
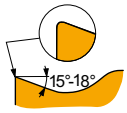
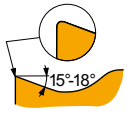
WNMG 060404E-SF	**H07**	0.4		–	–	–	◪	90	0.14	1.0	■	145	0.15	1.0	◪	470	0.18	1.0	■	45	0.12	0.8		–	–	–
	T6310	0.4	■	180	0.15	1.0	■	125	0.14	1.0	■	145	0.15	1.0	◪	540	0.18	1.0	■	50	0.12	0.8	■	35	0.15	1.0
	T7325	0.4	◪	205	0.17	1.0	■	155	0.15	1.0		–	–	–		–	–	–	■	65	0.15	0.8		–	–	–
	T7335	0.4	◪	200	0.17	1.0	■	155	0.15	1.0		–	–	–		–	–	–	■	65	0.15	0.8		–	–	–
	T8315	0.4	◪	195	0.15	1.0	■	115	0.14	1.0	■	185	0.15	1.0	◪	585	0.18	1.0	◪	45	0.12	0.8	■	35	0.15	1.0
	T8330	0.4	■	180	0.15	1.0	■	105	0.14	1.0	■	170	0.15	1.0	◪	540	0.18	1.0	◪	45	0.12	0.8	◪	35	0.15	1.0
	T8430	0.4	■	220	0.15	1.0	■	120	0.14	1.0	◪	180	0.15	1.0	◪	600	0.18	1.0	◪	45	0.12	0.8	◪	35	0.15	1.0
	T9325	0.4	■	255	0.17	1.0	■	150	0.15	1.0	◪	240	0.17	1.0		–	–	–	◪	55	0.15	0.8		–	–	–
WNMG 060408E-SF	**H07**	0.8		–	–	–	◪	95	0.18	1.0	■	155	0.20	1.0	◪	495	0.24	1.0	■	50	0.14	0.8		–	–	–
	T6310	0.8	■	200	0.20	1.0	■	140	0.18	1.0	■	160	0.20	1.0	◪	600	0.24	1.0	■	60	0.14	0.8	■	40	0.15	1.0
	T7335	0.8	◪	220	0.20	1.0	■	170	0.18	1.0		–	–	–		–	–	–	■	70	0.16	0.8		–	–	–
	T8315	0.8	◪	210	0.20	1.0	■	125	0.18	1.0	■	195	0.20	1.0	◪	630	0.24	1.0	◪	50	0.14	0.8	■	40	0.15	1.0
	T8330	0.8	■	200	0.20	1.0	■	120	0.18	1.0	■	190	0.20	1.0	◪	600	0.24	1.0	◪	50	0.14	0.8	◪	40	0.15	1.0
	T8430	0.8	■	230	0.20	1.0	■	125	0.18	1.0	◪	185	0.20	1.0	◪	630	0.24	1.0	◪	45	0.14	0.8	◪	35	0.15	1.0
	T9315	0.8	■	315	0.20	1.0		–	–	–	◪	295	0.20	1.0		–	–	–		–	–	–	◪	60	0.15	1.0
	T9325	0.8	■	280	0.20	1.0	■	165	0.18	1.0	◪	265	0.20	1.0		–	–	–	◪	60	0.16	0.8		–	–	–
WNMG 080404E-SF	**H07**	0.4		–	–	–	◪	90	0.14	1.0	■	145	0.15	1.0	◪	470	0.18	1.0	■	45	0.12	0.8		–	–	–
	T6310	0.4	■	180	0.15	1.0	■	125	0.14	1.0	■	145	0.15	1.0	◪	540	0.18	1.0	■	50	0.12	0.8	■	35	0.15	1.0
	T7325	0.4	◪	205	0.17	1.0	■	155	0.15	1.0		–	–	–		–	–	–	■	65	0.15	0.8		–	–	–
	T7335	0.4	◪	200	0.17	1.0	■	155	0.15	1.0		–	–	–		–	–	–	■	65	0.15	0.8		–	–	–
	T8315	0.4	◪	195	0.15	1.0	■	115	0.14	1.0	■	185	0.15	1.0	◪	585	0.18	1.0	◪	45	0.12	0.8	■	35	0.15	1.0
	T8330	0.4	■	180	0.15	1.0	■	105	0.14	1.0	■	170	0.15	1.0	◪	540	0.18	1.0	◪	45	0.12	0.8	◪	35	0.15	1.0
	T8430	0.4	■	220	0.15	1.0	■	120	0.14	1.0	◪	180	0.15	1.0	◪	600	0.18	1.0	◪	45	0.12	0.8	◪	35	0.15	1.0
	T9315	0.4	■	300	0.15	1.0		–	–	–	◪	285	0.15	1.0		–	–	–		–	–	–	◪	60	0.15	1.0
	T9325	0.4	■	255	0.17	1.0	■	150	0.15	1.0	◪	240	0.17	1.0		–	–	–	◪	55	0.15	0.8		–	–	–
WNMG 080408E-SF	**H07**	0.8		–	–	–	◪	95	0.18	1.0	■	155	0.20	1.0	◪	495	0.24	1.0	■	50	0.14	0.8		–	–	–
	T6310	0.8	■	200	0.20	1.0	■	140	0.18	1.0	■	160	0.20	1.0	◪	600	0.24	1.0	■	60	0.14	0.8	■	40	0.15	1.0
	T7325	0.8	◪	230	0.20	1.0	■	175	0.18	1.0		–	–	–		–	–	–	■	70	0.16	0.8		–	–	–
	T7335	0.8	◪	220	0.20	1.0	■	170	0.18	1.0		–	–	–		–	–	–	■	70	0.16	0.8		–	–	–
	T8315	0.8	◪	210	0.20	1.0	■	125	0.18	1.0	■	195	0.20	1.0	◪	630	0.24	1.0	◪	50	0.14	0.8	■	40	0.15	1.0
	T8330	0.8	■	200	0.20	1.0	■	120	0.18	1.0	■	190	0.20	1.0	◪	600	0.24	1.0	◪	50	0.14	0.8	◪	40	0.15	1.0
	T8430	0.8	■	230	0.20	1.0	■	125	0.18	1.0	◪	185	0.20	1.0	◪	630	0.24	1.0	◪	45	0.14	0.8	◪	35	0.15	1.0
	T9315	0.8	■	315	0.20	1.0		–	–	–	◪	295	0.20	1.0		–	–	–		–	–	–	◪	60	0.15	1.0
	T9325	0.8	■	280	0.20	1.0	■	165	0.18	1.0	◪	265	0.20	1.0		–	–	–	◪	60	0.16	0.8		–	–	–
WNMG 080412E-SF	**T7325**	1.2	◪	220	0.25	1.5	■	170	0.23	1.5		–	–	–		–	–	–	■	70	0.18	1.2		–	–	–



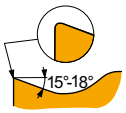
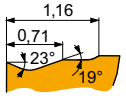
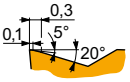
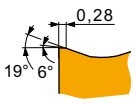
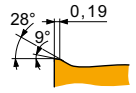
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.

WNMG 060404E-SM	**T7325**	0.4	◪	180	0.22	1.7	■	140	0.20	1.7		–	–	–		–	–	–	■	55	0.20	1.4		–	–	–
	T7335	0.4	◪	175	0.22	1.7	■	135	0.20	1.7		–	–	–		–	–	–	■	55	0.20	1.4		–	–	–
	T8330	0.4	■	155	0.22	1.7	■	90	0.20	1.7	■	145	0.22	1.7	◪	465	0.26	1.7	◪	35	0.20	1.4	◪	30	0.15	1.0
	T8430	0.4	■	175	0.22	1.7	■	95	0.20	1.7	◪	140	0.22	1.7	◪	480	0.26	1.7	◪	35	0.20	1.4	◪	30	0.15	1.0
	T9315	0.4	■	250	0.20	1.7		–	–	–	◪	235	0.20	1.7		–	–	–		–	–	–	◪	50	0.15	1.0
	T9325	0.4	■	215	0.22	1.7	■	125	0.20	1.7	◪	200	0.22	1.7		–	–	–	◪	45	0.20	1.4		–	–	–
WNMG 060408E-SM	**T6310**	0.8	■	175	0.25	1.7	■	125	0.23	1.7	■	140	0.25	1.7	◪	525	0.30	1.7	■	50	0.20	1.4	◪	35	0.15	1.0
	T7325	0.8	◪	200	0.25	1.7	■	155	0.23	1.7		–	–	–		–	–	–	■	65	0.20	1.4		–	–	–
	T7335	0.8	◪	195	0.25	1.7	■	150	0.23	1.7		–	–	–		–	–	–	■	60	0.20	1.4		–	–	–
	T8330	0.8	■	175	0.25	1.7	■	105	0.23	1.7	■	165	0.25	1.7	◪	525	0.30	1.7	◪	40	0.20	1.4	◪	35	0.15	1.0
	T8430	0.8	■	195	0.25	1.7	■	105	0.23	1.7	◪	160	0.25	1.7	◪	540	0.30	1.7	◪	40	0.20	1.4	◪	30	0.15	1.0
	T9325	0.8	■	240	0.25	1.7	■	140	0.23	1.7	◪	225	0.25	1.7		–	–	–	◪	50	0.20	1.4		–	–	–
WNMG 060412E-SM	**T7325**	1.2	◪	200	0.30	1.7	■	155	0.27	1.7		–	–	–		–	–	–	■	65	0.24	1.4		–	–	–
	T8330	1.2	■	180	0.30	1.7	■	105	0.27	1.7	■	170	0.30	1.7	◪	540	0.36	1.7	◪	45	0.24	1.4	◪	35	0.15	1.0
	T8430	1.2	■	195	0.30	1.7	■	105	0.27	1.7	◪	160	0.30	1.7	◪	540	0.36	1.7	◪	40	0.24	1.4	◪	30	0.15	1.0
	T9325	1.2	■	240	0.30	1.7	■	140	0.27	1.7	◪	225	0.30	1.7		–	–	–	◪	50	0.24	1.4		–	–	–

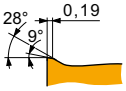
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
Geometría SM con diseño positivo para mecanizado medio con corte contínuo a interrumpido.																				
WNMG 080404E-SM	**T6310**	0.4	■ 155	0.22	2.0	■ 110	0.20	2.0	■ 125	0.22	2.0	◪ 465	0.26	2.0	■ 45	0.20	1.6	◪ 30	0.15	1.0
	T7325	0.4	◪ 175	0.22	2.0	■ 135	0.20	2.0	–	–	–	–	–	–	■ 55	0.20	1.6	–	–	–
	T7335	0.4	◪ 170	0.22	2.0	■ 130	0.20	2.0	–	–	–	–	–	–	■ 55	0.20	1.6	–	–	–
	T8330	0.4	■ 155	0.22	2.0	■ 90	0.20	2.0	■ 145	0.22	2.0	◪ 465	0.26	2.0	◪ 35	0.20	1.6	◪ 30	0.15	1.0
	T8430	0.4	■ 170	0.22	2.0	■ 90	0.20	2.0	◪ 135	0.22	2.0	◪ 465	0.26	2.0	◪ 35	0.20	1.6	◪ 25	0.15	1.0
	T9315	0.4	■ 245	0.20	2.0	–	–	–	◪ 230	0.20	2.0	–	–	–	–	–	–	◪ 45	0.15	1.0
	T9325	0.4	■ 210	0.22	2.0	■ 125	0.20	2.0	◪ 195	0.22	2.0	–	–	–	◪ 45	0.20	1.6	–	–	–
WNMG 080408E-SM	**T6310**	0.8	■ 175	0.25	2.0	■ 125	0.23	2.0	■ 140	0.25	2.0	◪ 525	0.30	2.0	■ 50	0.20	1.6	◪ 35	0.15	1.0
	T7325	0.8	◪ 200	0.25	2.0	■ 155	0.23	2.0	–	–	–	–	–	–	■ 65	0.20	1.6	–	–	–
	T7335	0.8	◪ 190	0.25	2.0	■ 145	0.23	2.0	–	–	–	–	–	–	■ 60	0.20	1.6	–	–	–
	T8330	0.8	■ 175	0.25	2.0	■ 105	0.23	2.0	■ 165	0.25	2.0	◪ 525	0.30	2.0	◪ 40	0.20	1.6	◪ 35	0.15	1.0
	T8430	0.8	■ 195	0.25	2.0	■ 105	0.23	2.0	◪ 160	0.25	2.0	◪ 540	0.30	2.0	◪ 40	0.20	1.6	◪ 30	0.15	1.0
	T9315	0.8	■ 265	0.25	2.0	–	–	–	◪ 250	0.25	2.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	T9325	0.8	■ 235	0.25	2.0	■ 140	0.23	2.0	◪ 220	0.25	2.0	–	–	–	◪ 50	0.20	1.6	–	–	–
WNMG 080412E-SM	**T6310**	1.2	■ 175	0.30	2.0	■ 125	0.27	2.0	■ 140	0.30	2.0	◪ 525	0.36	2.0	■ 50	0.24	1.6	◪ 35	0.15	1.0
	T7325	1.2	◪ 195	0.30	2.0	■ 150	0.27	2.0	–	–	–	–	–	–	■ 60	0.24	1.6	–	–	–
	T7335	1.2	◪ 190	0.30	2.0	■ 145	0.27	2.0	–	–	–	–	–	–	■ 60	0.24	1.6	–	–	–
	T8330	1.2	■ 175	0.30	2.0	■ 105	0.27	2.0	■ 165	0.30	2.0	◪ 525	0.36	2.0	◪ 40	0.24	1.6	◪ 35	0.15	1.0
	T8430	1.2	■ 190	0.30	2.0	■ 105	0.27	2.0	◪ 155	0.30	2.0	◪ 525	0.36	2.0	◪ 40	0.24	1.6	◪ 30	0.15	1.0
	T9315	1.2	■ 260	0.30	2.0	–	–	–	◪ 245	0.30	2.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	T9325	1.2	■ 235	0.30	2.0	■ 140	0.27	2.0	◪ 220	0.30	2.0	–	–	–	◪ 50	0.24	1.6	–	–	–
																				
Geometría ER-SI con diseño positivo a derecha diseñado para acabado fino a semi-desbaste con corte contínuo.																				
WNMG 060404ER-SI	**T8330**	0.4	■ 195	0.20	1.7	■ 115	0.18	1.7	–	–	–	◪ 585	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T8430	0.4	■ 225	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T9325	0.4	■ 270	0.20	1.7	■ 160	0.18	1.7	–	–	–	–	–	–	◪ 60	0.18	1.4	–	–	–
WNMG 080404ER-SI	**T7325**	0.4	◪ 220	0.20	1.7	■ 170	0.18	1.7	–	–	–	–	–	–	◪ 70	0.18	1.4	–	–	–
	T7335	0.4	◪ 215	0.20	1.7	■ 165	0.18	1.7	–	–	–	–	–	–	◪ 65	0.18	1.4	–	–	–
	T8315	0.4	◪ 205	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 50	0.18	1.4	–	–	–
	T8330	0.4	■ 195	0.20	1.7	■ 115	0.18	1.7	–	–	–	◪ 585	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T8430	0.4	■ 225	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T9325	0.4	■ 270	0.20	1.7	■ 160	0.18	1.7	–	–	–	–	–	–	◪ 60	0.18	1.4	–	–	–
WNMG 080408ER-SI	**T7325**	0.8	◪ 215	0.35	1.7	■ 165	0.32	1.7	–	–	–	–	–	–	◪ 65	0.25	1.4	–	–	–
	T7335	0.8	◪ 205	0.35	1.7	■ 155	0.32	1.7	–	–	–	–	–	–	◪ 65	0.25	1.4	–	–	–
	T8315	0.8	◪ 205	0.35	1.7	■ 120	0.32	1.7	–	–	–	◪ 615	0.42	1.7	◪ 50	0.25	1.4	–	–	–
	T8330	0.8	■ 195	0.35	1.7	■ 115	0.32	1.7	–	–	–	◪ 585	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T8430	0.8	■ 210	0.35	1.7	■ 115	0.32	1.7	–	–	–	◪ 585	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T9325	0.8	■ 255	0.35	1.7	■ 150	0.32	1.7	–	–	–	–	–	–	◪ 55	0.25	1.4	–	–	–
WNMG 080412ER-SI	**T8430**	1.2	■ 225	0.35	1.7	■ 120	0.32	1.7	–	–	–	◪ 615	0.42	1.7	◪ 45	0.25	1.4	–	–	–
	T9325	1.2	■ 265	0.35	1.7	■ 155	0.32	1.7	–	–	–	–	–	–	◪ 55	0.25	1.4	–	–	–
																				
Geometría EL-SI con diseño positivo a izquierda para acabado fino a semi-desbaste con corte contínuo.																				
WNMG 060404EL-SI	**T8330**	0.4	■ 195	0.20	1.7	■ 115	0.18	1.7	–	–	–	◪ 585	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T8430	0.4	■ 225	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T9325	0.4	■ 270	0.20	1.7	■ 160	0.18	1.7	–	–	–	–	–	–	◪ 60	0.18	1.4	–	–	–
WNMG 080404EL-SI	**T7325**	0.4	◪ 220	0.20	1.7	■ 170	0.18	1.7	–	–	–	–	–	–	◪ 70	0.18	1.4	–	–	–
	T7335	0.4	◪ 215	0.20	1.7	■ 165	0.18	1.7	–	–	–	–	–	–	◪ 65	0.18	1.4	–	–	–
	T8315	0.4	◪ 205	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 50	0.18	1.4	–	–	–
	T8330	0.4	■ 195	0.20	1.7	■ 115	0.18	1.7	–	–	–	◪ 585	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T8430	0.4	■ 225	0.20	1.7	■ 120	0.18	1.7	–	–	–	◪ 615	0.24	1.7	◪ 45	0.18	1.4	–	–	–
	T9325	0.4	■ 270	0.20	1.7	■ 160	0.18	1.7	–	–	–	–	–	–	◪ 60	0.18	1.4	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			E																	
Geometría EL-SI con diseño positivo a izquierda para acabado fino a semi-desbaste con corte contínuo.																				
WNMG 080408EL-SI	**T7325**	0.8	215	0.35	1.7	165	0.32	1.7	–	–	–	–	–	–	65	0.25	1.4	–	–	–
	T7335	0.8	205	0.35	1.7	155	0.32	1.7	–	–	–	–	–	–	65	0.25	1.4	–	–	–
	T8315	0.8	205	0.35	1.7	120	0.32	1.7	–	–	–	615	0.42	1.7	50	0.25	1.4	–	–	–
	T8330	0.8	195	0.35	1.7	115	0.32	1.7	–	–	–	585	0.42	1.7	45	0.25	1.4	–	–	–
	T8430	0.8	210	0.35	1.7	115	0.32	1.7	–	–	–	585	0.42	1.7	45	0.25	1.4	–	–	–
	T9325	0.8	255	0.35	1.7	150	0.32	1.7	–	–	–	–	–	–	55	0.25	1.4	–	–	–
WNMG 080412EL-SI	**T8430**	1.2	225	0.35	1.7	120	0.32	1.7	–	–	–	615	0.42	1.7	45	0.25	1.4	–	–	–
			W	E																
Geometría Wiper W-F para acabado y acabado fino con mayores avances y acabado superficial mejorado.																				
WNMG 060408W-F	**T9315**	0.8	215	0.45	0.8	–	–	–	200	0.45	0.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.45	0.8	–	–	–	180	0.45	0.8	–	–	–	–	–	–	–	–	–
WNMG 080404W-F	**T9315**	0.4	250	0.25	0.4	–	–	–	235	0.25	0.4	–	–	–	–	–	–	–	–	–
	T9325	0.4	225	0.25	0.4	–	–	–	210	0.25	0.4	–	–	–	–	–	–	–	–	–
			W	S																
Geometría Wiper W-M para semi-desbaste a desbaste con mayores avances y acabado superficial mejorado.																				
WNMG 060408W-M	**T9310**	0.8	220	0.45	1.2	–	–	–	205	0.45	1.2	–	–	–	–	–	–	–	–	–
	T9315	0.8	205	0.45	1.2	–	–	–	190	0.45	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.45	1.2	–	–	–	180	0.45	1.2	–	–	–	–	–	–	–	–	–
WNMG 060412W-M	**T5315**	1.2	235	0.55	1.2	–	–	–	220	0.55	1.2	–	–	–	–	–	–	–	–	–
	T9315	1.2	205	0.55	1.2	–	–	–	190	0.55	1.2	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.55	1.2	–	–	–	170	0.55	1.2	–	–	–	–	–	–	–	–	–
WNMG 080408W-M	**T9315**	0.8	200	0.45	1.5	–	–	–	190	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.45	1.5	–	–	–	175	0.45	1.5	–	–	–	–	–	–	–	–	–
WNMG 080412W-M	**T9325**	1.2	180	0.55	1.5	–	–	–	170	0.55	1.5	–	–	–	–	–	–	–	–	–
			W	S																
Geometría Wiper W-MR para acabado a desbaste con mayores avances y acabado superficial mejorado.																				
WNMG 060408W-MR	**T9315**	0.8	205	0.45	1.2	–	–	–	190	0.45	1.2	–	–	–	–	–	–	–	–	–
	T9325	0.8	190	0.45	1.2	110	0.41	1.2	180	0.45	1.2	–	–	–	–	–	–	–	–	–
WNMG 080404W-MR	**T9315**	0.4	200	0.30	1.5	–	–	–	190	0.30	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.4	180	0.30	1.5	105	0.27	1.5	170	0.30	1.5	–	–	–	–	–	–	–	–	–
WNMG 080408W-MR	**T5315**	0.8	230	0.45	1.5	–	–	–	215	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9310	0.8	215	0.45	1.5	–	–	–	200	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9315	0.8	200	0.45	1.5	–	–	–	190	0.45	1.5	–	–	–	–	–	–	–	–	–
	T9325	0.8	185	0.45	1.5	110	0.41	1.5	175	0.45	1.5	–	–	–	–	–	–	–	–	–
WNMG 080412W-MR	**T5315**	1.2	230	0.55	1.5	–	–	–	215	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9310	1.2	210	0.55	1.5	–	–	–	195	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9315	1.2	200	0.55	1.5	–	–	–	190	0.55	1.5	–	–	–	–	–	–	–	–	–
	T9325	1.2	180	0.55	1.5	105	0.50	1.5	170	0.55	1.5	–	–	–	–	–	–	–	–	–
			W	S																
Geometría Wiper W-NM para acabado a desbaste con mayores avances y acabado superficial mejorado.																				
WNMG 060408W-NM	**T7325**	0.8	220	0.25	1.8	170	0.23	1.8	–	–	–	–	–	–	70	0.20	1.4	–	–	–
	T7335	0.8	215	0.25	1.8	165	0.23	1.8	–	–	–	–	–	–	65	0.20	1.4	–	–	–
	T9315	0.8	290	0.25	1.8	–	–	–	275	0.25	1.8	–	–	–	–	–	–	–	–	–
	T9325	0.8	265	0.25	1.8	155	0.23	1.8	250	0.25	1.8	–	–	–	55	0.20	1.4	–	–	–

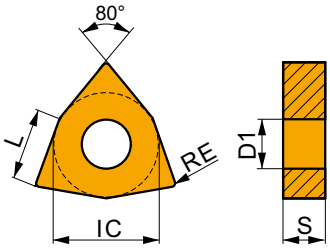
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			W S																	
Geometría Wiper W-NM para acabado a desbaste con mayores avances y acabado superficial mejorado.																				
WNMG 080404W-NM	**T7325**	0.4	195	0.20	2.1	150	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T7335	0.4	190	0.20	2.1	145	0.18	2.1	–	–	–	–	–	–	60	0.16	1.7	–	–	–
	T9315	0.4	270	0.20	2.1	–	–	–	255	0.20	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.4	240	0.20	2.1	140	0.18	2.1	225	0.20	2.1	–	–	–	50	0.16	1.7	–	–	–
WNMG 080408W-NM	**T7325**	0.8	215	0.25	2.1	165	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T7335	0.8	210	0.25	2.1	160	0.23	2.1	–	–	–	–	–	–	65	0.20	1.7	–	–	–
	T9315	0.8	290	0.25	2.1	–	–	–	275	0.25	2.1	–	–	–	–	–	–	–	–	–
	T9325	0.8	260	0.25	2.1	155	0.23	2.1	245	0.25	2.1	–	–	–	55	0.20	1.7	–	–	–
WNMG 080412W-NM	**T7325**	1.2	215	0.30	2.1	165	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T7335	1.2	210	0.30	2.1	160	0.27	2.1	–	–	–	–	–	–	65	0.24	1.7	–	–	–
	T9315	1.2	285	0.30	2.1	–	–	–	270	0.30	2.1	–	–	–	–	–	–	–	–	–

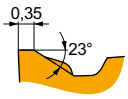
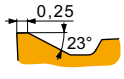
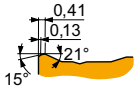
WNMM

PRAMET

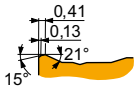
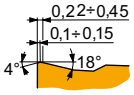
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0804	12.700	5.16	8.70	4.76
1006	15.875	6.35	10.80	6.35
1306	19.050	7.94	13.00	6.35



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
					S															
Geometría DR para semi-desbaste y desbaste y corte continuo a interrumpido.																				
WNMM 100608E-DR	**T9325**	0.8	205	0.40	5.0	120	0.36	5.0	190	0.40	5.0	–	–	–	–	–	–	–	–	–
	T9335	0.8	175	0.40	5.0	105	0.36	5.0	–	–	–	–	–	–	–	–	–	–	–	–
WNMM 130612E-DR	**T9325**	1.2	200	0.45	6.0	120	0.41	6.0	190	0.45	6.0	–	–	–	–	–	–	–	–	–
	T9335	1.2	170	0.45	6.0	100	0.41	6.0	–	–	–	–	–	–	–	–	–	–	–	–
			S																	
Geometría NR para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
WNMM 080408E-NR	**T7325**	0.8	175	0.40	3.0	135	0.36	3.0	–	–	–	–	–	–	55	0.28	2.4	–	–	–
	T8330	0.8	155	0.40	3.0	90	0.36	3.0	145	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
	T8430	0.8	165	0.40	3.0	90	0.36	3.0	135	0.40	3.0	–	–	–	35	0.28	2.4	–	–	–
	T9325	0.8	195	0.40	3.0	115	0.36	3.0	185	0.40	3.0	–	–	–	40	0.28	2.4	–	–	–
			P																	
Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																				
WNMM 080408E-NR2	**T7335**	0.8	160	0.40	4.0	120	0.36	4.0	–	–	–	–	–	–	50	0.28	3.2	–	–	–
	T9325	0.8	190	0.40	4.0	110	0.36	4.0	180	0.40	4.0	–	–	–	40	0.28	3.2	–	–	–

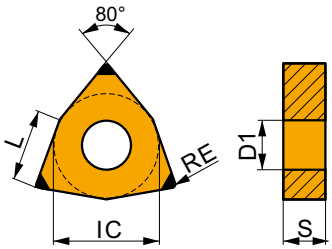
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
																				
			Geometría NR2 para semi-desbaste a desbaste con corte contínuo a interrumpido.																	
WNMM 080412E-NR2	**T7325**	1.2	175	0.45	4.0	135	0.41	4.0	–	–	–	–	–	–	55	0.32	3.2	–	–	–
	T9325	1.2	190	0.45	4.0	110	0.41	4.0	180	0.45	4.0	–	–	–	40	0.32	3.2	–	–	–
																				
			Geometría OR para semi-desbaste a desbaste, con corte contínuo a interrumpido.																	
WNMM 080408E-OR	**T8330**	0.8	150	0.40	4.0	90	0.36	4.0	140	0.40	4.0	–	–	–	35	0.28	3.2	–	–	–
	T8430	0.8	155	0.40	4.0	85	0.36	4.0	130	0.40	4.0	–	–	–	30	0.28	3.2	–	–	–
	T9325	0.8	190	0.40	4.0	110	0.36	4.0	180	0.40	4.0	–	–	–	40	0.28	3.2	–	–	–
	T9335	0.8	165	0.40	4.0	95	0.36	4.0	–	–	–	–	–	–	35	0.28	3.2	–	–	–
WNMM 080412E-OR	**T9325**	1.2	190	0.45	4.0	110	0.41	4.0	180	0.45	4.0	–	–	–	40	0.36	3.2	–	–	–
	T9335	1.2	170	0.45	4.0	100	0.41	4.0	–	–	–	–	–	–	35	0.36	3.2	–	–	–
WNMM 080416E-OR	**T9325**	1.6	195	0.50	4.0	115	0.45	4.0	185	0.50	4.0	–	–	–	40	0.40	3.2	–	–	–
WNMM 130612E-OR	**T9325**	1.2	185	0.45	6.0	110	0.41	6.0	175	0.45	6.0	–	–	–	40	0.36	4.8	–	–	–
WNMM 130616E-OR	**T9325**	1.6	180	0.50	6.0	105	0.45	6.0	170	0.50	6.0	–	–	–	40	0.40	4.8	–	–	–

WNGA CBN

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0804	12.700	5.16	8.70	4.76



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)	vc (m/min)	f (mm/rev)	ap (mm)
			Para acabado con corte contínuo.																	
WNGA 080408S01020C	**TB310**	0.8	–	–	–	–	–	–	530	0.15	0.6	–	–	–	140	0.11	0.5	110	0.15	1.0
			Para acabado con corte contínuo.																	
WNGA080408S01020WC	**TB310**	0.8	–	–	–	–	–	–	530	0.15	0.6	–	–	–	140	0.11	0.5	110	0.15	1.0

DWLN(RL) EXT

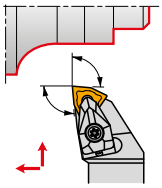
P M K N S H

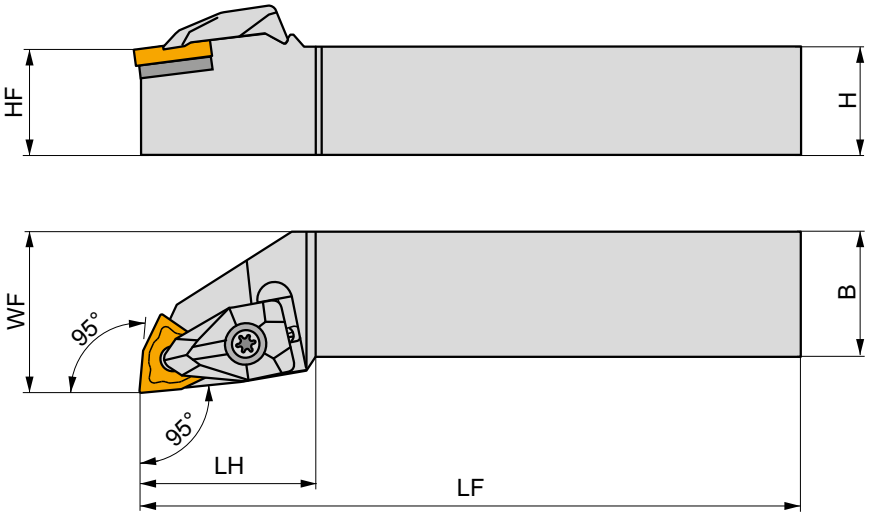
PRAMET

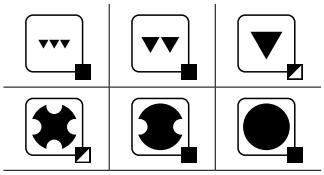
D

Portaherramientas de Exterior con Fijación Doble, a 95°, para Plaquitas WN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble y ángulo de posición de 95°. Adecuado para torneado y refrentado con escuadra, torneado en cono y achaflanado con plaquitas negativas WN.. de 06 y 08. Disponible con mangos de 16x16 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg			
R	DWLNR 1616 H 06	16	16	16	20	100	26.4	-6	-6	0.22	GI028	DW06	–
	DWLNR 2020 K 06	20	20	20	25	125	27.1	-6	-6	0.41	GI028	DW06	–
	DWLNR 2525 M 06	25	25	25	32	150	27.1	-6	-6	0.75	GI028	DW06	–
	DWLNR 2020 K 08	20	20	20	25	125	34.3	-6	-6	0.43	GI072	DW08	AT004
	DWLNR 2525 M 08	25	25	25	32	150	35	-6	-6	0.75	GI072	DW08	AT004
	DWLNR 3225 P 08	32	25	32	32	170	35	-6	-6	1.01	GI072	DW08	AT004
	DWLNR 3225 P 10	32	25	32	32	170	38	-6	-6	1.06	GI166	DW10	–
	DWLNR 3232 P 13	32	32	32	40	170	40	-6	-6	1.44	GI167	DW13	–
	DWLNR 4040 S 13	40	40	40	50	250	41	-6	-6	3.19	GI167	DW13	–
L	DWLNL 1616 H 06	16	16	16	20	100	26.4	-6	-6	0.22	GI028	DW06	–
	DWLNL 2020 K 06	20	20	20	25	125	27.1	-6	-6	0.41	GI028	DW06	–
	DWLNL 2525 M 06	25	25	25	32	150	27.1	-6	-6	0.76	GI028	DW06	–
	DWLNL 2020 K 08	20	20	20	25	125	34.3	-6	-6	0.43	GI072	DW08	AT004
	DWLNL 2525 M 08	25	25	25	32	150	35	-6	-6	0.75	GI072	DW08	AT004
	DWLNL 3225 P 08	32	25	32	32	170	35	-6	-6	1.10	GI072	DW08	AT004
	DWLNL 3225 P 10	32	25	32	32	170	38	-6	-6	1.14	GI166	DW10	–
	DWLNL 3232 P 13	32	32	32	40	170	40	-6	-6	1.45	GI167	DW13	–
	DWLNL 4040 S 13	40	40	40	50	250	41	-6	-6	3.17	GI167	DW13	–

GI028	WN.. 0604..
GI072	WN.. 0804..
GI166	WN.. 1006..
GI167	WN.. 1306..

		Nm				
DW06	DCS 09	1.7	DWS 328-01	US 2004-T09P	FLAG T09P	–
DW08	DCS 12	3.9	DWS 331-12	US 2002-T15P	FLAG T15P/3,5	–
DW10	DCS 16	6.4	DWN 100612	US 5018-T20P	–	LK T20P
DW13	DCS 19	6.4	DWN 130612	US 6013-T20P	–	LK T20P

AT004a	CER WN.N 0804..	DCS 12C4
AT004b	CER WN.A 0804..	DCS 12C2

MWLN(RL) EXT

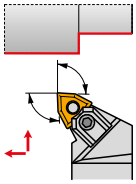
P M K N S H

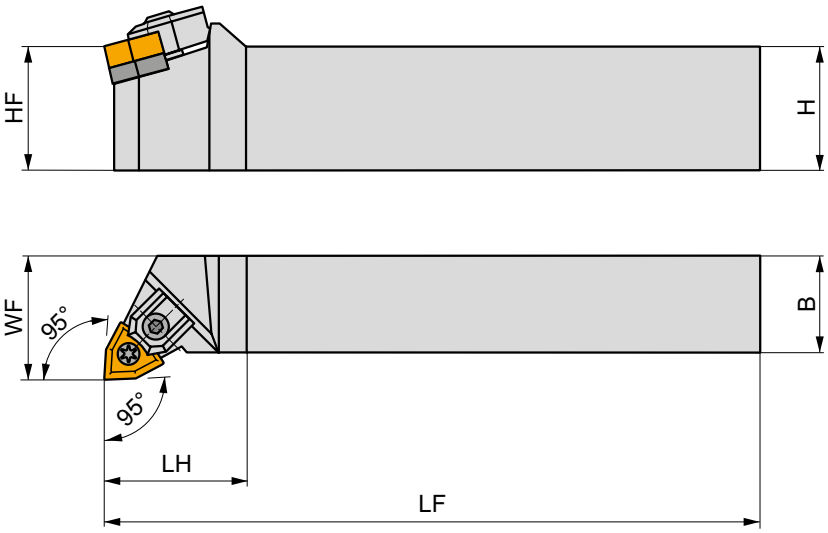
PRAMET

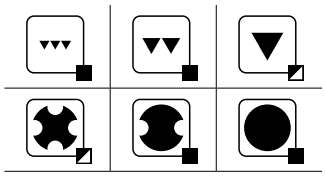
M

Portaherramientas de Exterior con Fijación Múltiple, a 95°, para Plaquitas WN..

Portaherramientas de exterior a derecha o izquierda, con fijación múltiple y ángulo de posición de 95°. Adecuado para torneado longitudinal con escuadra, refrentado, torneado en cono y achaflanado con plaquitas negativas WN.. 08. Disponible con mangos de 25x25 hasta 40x40 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	MWLNR 2525 M 08	25	25	25	32	150	32	-6	-6	0.73	GI072	MW1
	MWLNR 3225 P 08	32	25	32	32	170	32	-6	-6	1.30	GI072	MW1
	MWLNR 4040 R 08	40	40	40	50	200	32	-6	-6	2.50	GI072	MW1
L	MWLNL 2525 M 08	25	25	25	32	150	32	-6	-6	0.70	GI072	MW1
	MWLNL 3225 P 08	32	25	32	32	170	32	-6	-6	1.02	GI072	MW1
	MWLNL 4040 R 08	40	40	40	50	200	32	-6	-6	2.50	GI072	MW1

GI072	WN.. 0804..

MW1	UE 05	5.0 Nm	WNW 080412	UC 51	HS 0408	HXK 3

PWLN(RL) EXT

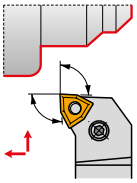
P M K N S H

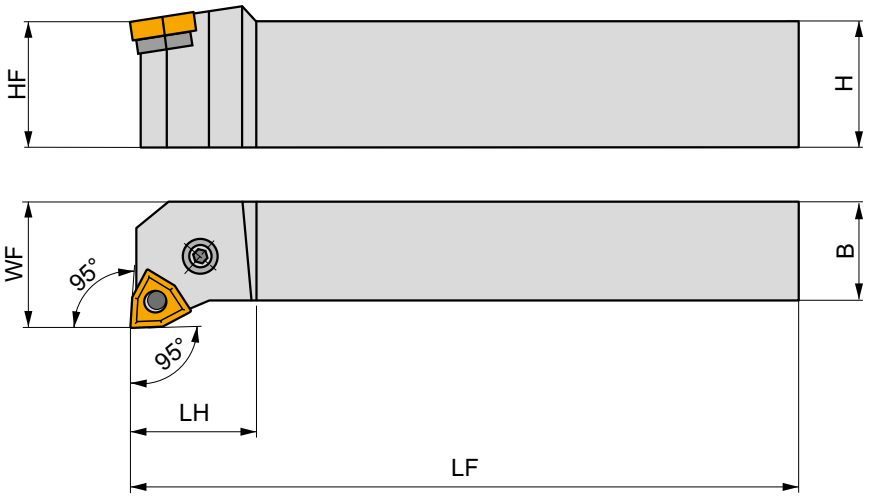
PRAMET

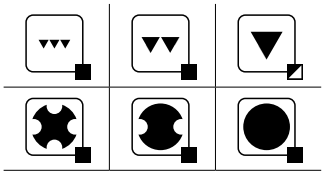
P

Portaherramientas de Exterior con Fijación por Palanca, a 95°, para Plaquitas WN..

Portaherramientas de exterior a derecha o izquierda, con fijación por palanca y ángulo de posición de 95°. Adecuado para torneado longitudinal y refrentado con escuadra, torneado en cono y achaflanado con plaquitas negativas WN.. 06 y 08. Disponible con mangos de 16x16 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	B (mm)	HF (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)	kg		
R	**PWLNR 1616 H 0604**	16	16	16	20	100	20	-6	-6	0.23	GI028	PW11
	PWLNR 2020 K 0604	20	20	20	25	125	20	-6	-6	0.40	GI028	PW10
	PWLNR 2525 M 0604	25	25	25	32	150	20	-6	-6	0.78	GI028	PW10
	PWLNR 2020 K 08	20	20	20	25	125	22	-6	-6	0.42	GI072	PW22
	PWLNR 2525 M 08	25	25	25	32	150	22	-6	-6	0.73	GI072	PW20
	PWLNR 3225 P 08	32	25	32	32	170	22	-6	-6	1.05	GI072	PW20
L	**PWLNL 1616 H 0604**	16	16	16	20	100	20	-6	-6	0.21	GI028	PW11
	PWLNL 2020 K 0604	20	20	20	25	125	20	-6	-6	0.40	GI028	PW10
	PWLNL 2525 M 0604	25	25	25	32	150	20	-6	-6	0.75	GI028	PW10
	PWLNL 2020 K 08	20	20	20	25	125	22	-6	-6	0.40	GI072	PW22
	PWLNL 2525 M 08	25	25	25	32	150	22	-6	-6	0.74	GI072	PW20
	PWLNL 3225 P 08	32	25	32	32	170	22	-6	-6	1.05	GI072	PW20

GI028	WN.. 0604..
GI072	WN.. 0804..

				Nm					
PW10	WNU 060308	PU 01	US 34	5.0	M 6x0.75	19	NT 04	MT 04	HXK 3
PW11	WNU 060308	PU 01	US 46	5.0	M 6x0.75	13.2	NT 04	MT 04	HXK 3
PW20	WNU 080312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PW22	WNU 080312	PU 02	US 42	6.0	M 8x1	21	NT 05	MT 05	HXK 4

NEW

C.-DWLN(RL) EXT

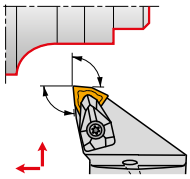
P M K N S H

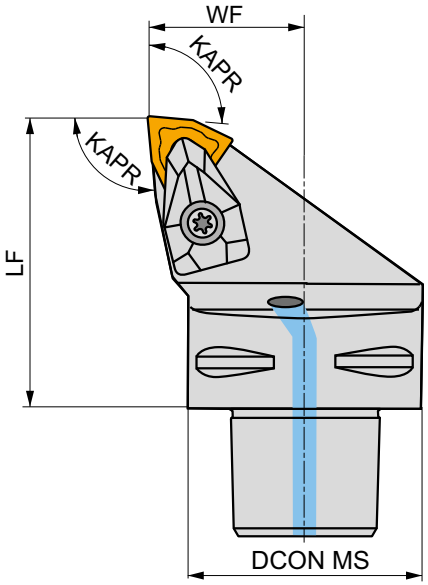
PRAMET

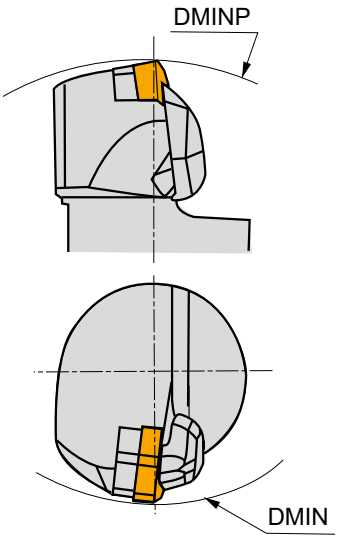
D

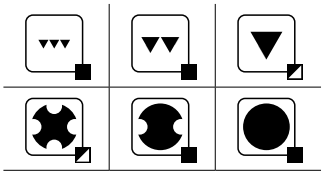
Herramienta de Exterior PSC de Cambio Rápido con Fijación Doble, a 95°, para Plaquitas WN..

Portaherramientas de exterior a derecha o izquierda, con fijación doble, refrigeración interna y ángulo de posición de 95° para torneado y refrentado con escuadra, torneado en cono y achaflanado con plaquitas negativas WN.. 06 y 08. Disponible con mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaños C4 hasta C6. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	DMINP (mm)	WF (mm)	LF (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg			
R	C4-DWLNR-27050-06	40	60	140	27	50	95	-6	-6	✓	0.42	GI028	C-DW06	–
	C4-DWLNR-27050-08	40	110	140	27	50	95	-6	-6	✓	0.42	GI072	C-DW08-1	AT004
	C5-DWLNR-35060-08	50	110	165	35	60	95	-6	-6	✓	0.74	GI072	C-DW08-2	AT004
	C6-DWLNR-45065-08	63	110	190	45	65	95	-6	-6	✓	1.34	GI072	C-DW08-2	AT004
L	C4-DWLNL-27050-06	40	60	140	27	50	95	-6	-6	✓	0.43	GI028	C-DW06	–
	C4-DWLNL-27050-08	40	110	140	27	50	95	-6	-6	✓	0.42	GI072	C-DW08-1	AT004
	C5-DWLNL-35060-08	50	110	165	35	60	95	-6	-6	✓	0.76	GI072	C-DW08-2	AT004
	C6-DWLNL-45065-08	63	110	190	45	65	95	-6	-6	✓	1.34	GI072	C-DW08-2	AT004

GI028	WN.. 0604..
GI072	WN.. 0804..

		Nm				
C-DW06	DCS 09	1.7	DWS 328-01	US 2004-T09P	FLAG T09P	CN 034-01
C-DW08-1	DCS 12	3.9	DWS 331-12	US 2002-T15P	FLAG T15P/3,5	CN 034-01
C-DW08-2	DCS 12	3.9	DWS 331-12	US 2002-T15P	FLAG T15P/3,5	CN 045-01

AT004a	CER WN.N 0804..	DCS 12C4
AT004b	CER WN.A 0804..	DCS 12C2

DWLN(RL) INT

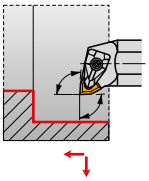
P M K N S H

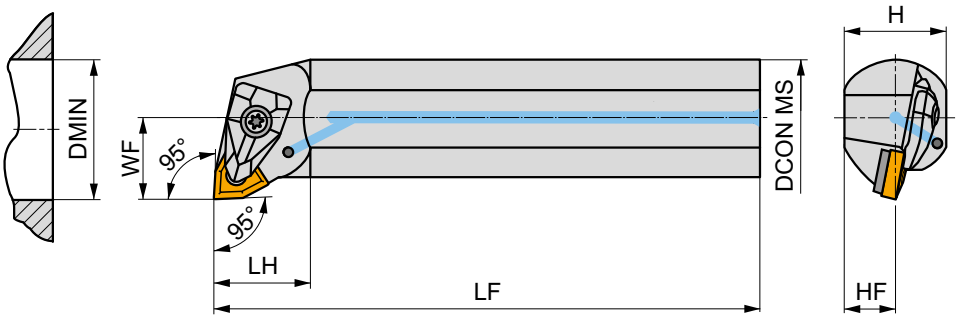
PRAMET

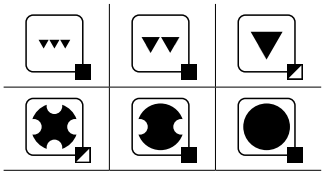
D

Portaherramientas de Interior con Fijación Doble, a 95°, para Plaquitas WN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 95° para plaquitas negativas WN.. 06 y 08. Agujero mínimo de Ø32 mm. Para torneado interior longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø25 hasta Ø50. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)	GAMO (°)		kg		
R	A25T-DWLNR 06	25	32	17	23	11.5	300	31	-14	-6	✓	0.97	GI028	DW06
	A25T-DWLNR 08	25	33	17	23	11.5	300	31	-12	-6	✓	0.98	GI072	DWI08
	A32T-DWLNR 08	32	40	22	30	15	300	33	-10	-6	✓	1.71	GI072	DWI08
	A40T-DWLNR 08	40	50	27	37	18.5	300	36	-13	-6	✓	2.59	GI072	DW08
	A50U-DWLNR 08	50	63	35	47	23.5	350	39	-11	-6	✓	5.24	GI072	DW08
L	A25T-DWLNL 06	25	32	17	23	11.5	300	31	-14	-6	✓	0.97	GI028	DW06
	A25T-DWLNL 08	25	33	17	23	11.5	300	31	-12	-6	✓	0.98	GI072	DWI08
	A32T-DWLNL 08	32	40	22	30	15	300	33	-10	-6	✓	1.70	GI072	DWI08
	A40T-DWLNL 08	40	50	27	37	18.5	300	36	-13	-6	✓	2.59	GI072	DW08
	A50U-DWLNL 08	50	63	35	47	23.5	350	39	-11	-6	✓	5.25	GI072	DW08

GI028	WN.. 0604..
GI072	WN.. 0804..

		Nm			
DW06	DCS 09	1.7	DWS 328-01	US 2004-T09P	FLAG T09P
DW08	DCS 12	3.9	DWS 331-12	US 2002-T15P	FLAG T15P/3,5
DWI08	DCS 12	3.9	DWS 328-02	US 2002-T15P	FLAG T15P/3,5

PWLN(RL) INT

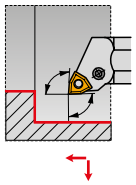
P M K N S H

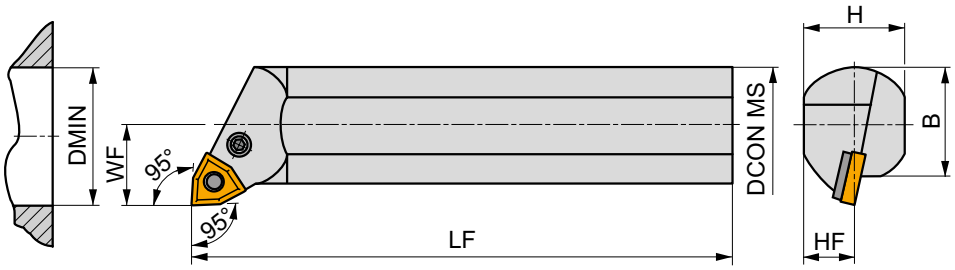
PRAMET

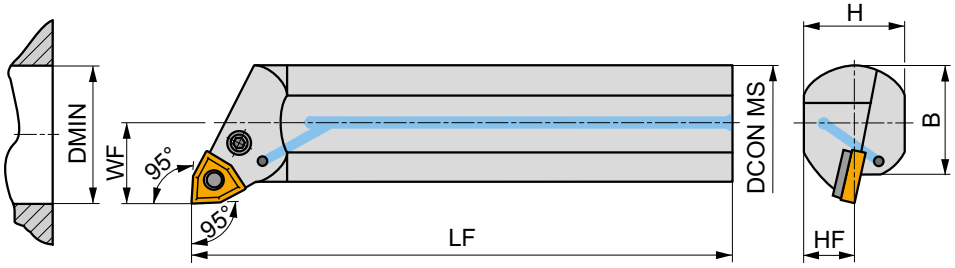
P

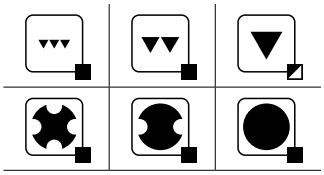
Portaherramientas de Interior con Fijación por Palanca, a 95°, para Plaquitas WN..

Portaherramientas de interior a derecha o izquierda con fijación por palanca, refrigeración interna y ángulo de posición de 95° para plaquitas negativas WN.. 06 y 08. Agujero mínimo de Ø20 mm. Para torneado longitudinal con escuadra, torneado en cono y achaflanado. Disponible con mangos de Ø16 hasta Ø60. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	B (mm)	LF (mm)	LAMS (°)	GAMO (°)		kg		
R	A16M-PWLNR 0604	16	20	11	15	15	150	-13.5	-6	✓	0.22	GI028	PW09
	A20Q-PWLNR 0604	20	27	13	18	18	180	-13.5	-6	✓	0.36	GI028	PW09
	S25T-PWLNR 0604	25	32	17	23	23	300	-12	-6	–	1.10	GI028	PW11
	A32S-PWLNR 0604	32	40	22	30	30	250	-12	-6	✓	1.30	GI028	PW11
	A25R-PWLNR 08	25	32	17	23	23	200	-12	-6	✓	0.66	GI072	PW25
	S25T-PWLNR 08	25	32	17	23	23	300	-12	-6	–	1.10	GI072	PW25
	A32S-PWLNR 08	32	40	22	30	30	250	-12	-6	✓	1.46	GI072	PW21
	S32U-PWLNR 08	32	40	22	30	30	350	-12	-6	–	2.09	GI072	PW21
	A40T-PWLNR 08	40	50	27	38	38	300	-12	-6	✓	2.40	GI072	PW20
	A50U-PWLNR 08	50	63	35	47	48.5	350	-12	-6	✓	4.88	GI072	PW20
	A60V-PWLNR 08	60	80	43	57	58.5	400	-12	-6	✓	8.10	GI072	PW20
L	A16M-PWLNL 0604	16	20	11	15	15	150	-13.5	-6	✓	0.22	GI028	PW09
	A20Q-PWLNL 0604	20	27	13	18	18	180	-13.5	-6	✓	0.36	GI028	PW09
	S25T-PWLNL 0604	25	32	17	23	23	300	-12	-6	–	0.98	GI028	PW11
	A32S-PWLNL 0604	32	40	22	30	30	250	-12	-6	✓	1.28	GI028	PW11
	A25R-PWLNL 08	25	32	17	23	23	200	-12	-6	✓	0.75	GI072	PW25
	S25T-PWLNL 08	25	32	17	23	23	300	-12	-6	–	1.01	GI072	PW25
	A32S-PWLNL 08	32	40	22	30	30	250	-12	-6	✓	1.47	GI072	PW21
	S32U-PWLNL 08	32	40	22	30	30	350	-12	-6	–	2.08	GI072	PW21
	A40T-PWLNL 08	40	50	27	38	38	300	-12	-6	✓	2.90	GI072	PW20
	A50U-PWLNL 08	50	63	35	47	48.5	350	-12	-6	✓	4.88	GI072	PW20
	A60V-PWLNL 08	60	80	43	57	58.5	400	-12	-6	✓	8.70	GI072	PW20

GI028	WN.. 0604..
GI072	WN.. 0804..

PW09	–	PU 3611-A	PS 0512-A	2.0	M 5	12	–	–	HXK 2
PW11	WNU 060308	PU 01	US 46	5.0	M 6x0.75	13.2	NT 04	MT 04	HXK 3
PW20	WNU 080312	PU 02	US 35	6.0	M 8x1	22.5	NT 05	MT 05	HXK 4
PW21	WNU 080312	PU 02	US 41	6.0	M 8x1	17	NT 05	MT 05	HXK 4
PW25	–	PU 32	US 46	5.0	M 6x0.75	13.2	–	–	HXK 3

NEW

C.-DWLN(RL) INT

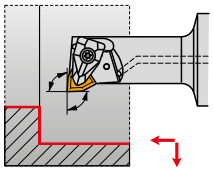
P M K N S H

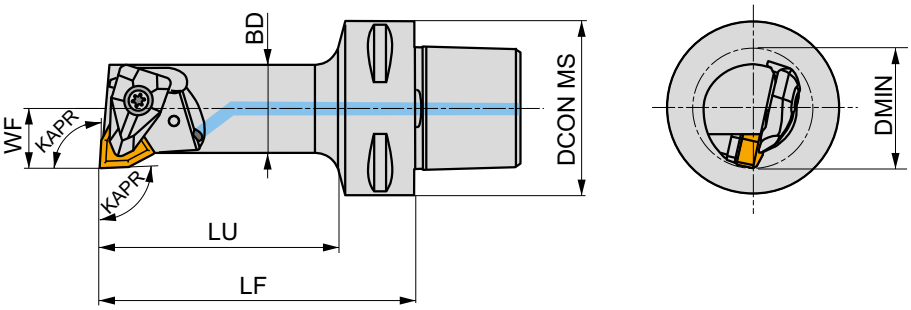
PRAMET

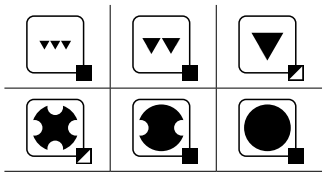
D

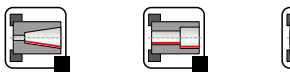
Herramienta de Interior PSC de Cambio Rápido con Fijación Doble, a 95°, para Plaquitas WN..

Portaherramientas de interior a derecha o izquierda con fijación doble, refrigeración interna y ángulo de posición de 95° para torneado interior longitudinal con escuadra, torneado en cono y achaflanado con plaquitas negativas WN.. 06 y 08. Agujero mínimo de Ø27 mm. Mango poligonal PSC (Acoplamiento de Mango Poligonal - Polygon Shank Coupling) tamaño C4. Cuerpo tratado para una vida útil más larga.









	Producto	DCON MS (mm)	DMIN (mm)	WF (mm)	LF (mm)	LU (mm)	BD (mm)	KAPR (°)	LAMS (°)	GAMO (°)		kg		
R	C4-DWLNR-13075-06	40	27	13	75	52	20	95	-17	-6	✓	0.42	GI028	DW06
R	C4-DWLNR-17090-08	40	33	17	90	68	25	95	-12	-6	✓	0.53	GI072	DWI08
L	C4-DWLNL-13075-06	40	27	13	75	52	20	95	-17	-6	✓	0.42	GI028	DW06
L	C4-DWLNL-17090-08	40	33	17	90	68	25	95	-12	-6	✓	0.53	GI072	DWI08

GI028	WN.. 0604..
GI072	WN.. 0804..

		Nm			
DW06	DCS 09	1.7	DWS 328-01	US 2004-T09P	FLAG T09P
DWI08	DCS 12	3.9	DWS 328-02	US 2002-T15P	FLAG T15P/3,5

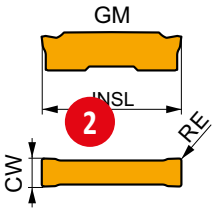
TRONZADO
Y RANURADO

📖 6		WMG E ISO 13399
📖 10	TORNEADO ISO	INSTRUCCIONES
📖 18	TORNEADO ISO	NAVEGADORES
📖 57	TORNEADO ISO	PLAQUITAS DE CORTE POSITIVAS
📖 219	TORNEADO ISO	PLAQUITAS DE CORTE NEGATIVAS
📖 386		**TRONZADO Y RANURADO**
📖 482		TORNEADO DE ROSCAS
📖 528		BROCHADO
📖 536		INFORMACIÓN TÉCNICA GENERAL

1 GL. D - GM

	CW [mm]	CWTOLL [mm]	CWTOLU [mm]	INSL [mm]
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0

3



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Product		RE [mm]	P vc [m/min]	P f [mm/rev]	P ap [mm]	M vc [m/min]	M f [mm/rev]	M ap [mm]	K vc [m/min]	K f [mm/rev]	K ap [mm]	N vc [m/min]	N f [mm/rev]	N ap [mm]	S vc [m/min]	S f [mm/rev]	S ap [mm]	H vc [m/min]	H f [mm/rev]	H ap [mm]
4	5		U	6																
10 Geometría GM para ranurado y torneado longitudinal con corte contínuo a interrumpido.																				
GL2-D200M02-GM	G8330	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	–	–	–	45	0.08	0.6	–	–	–
	T7325	0.2	220	0.10	0.8	170	0.09	0.8	–	–	–	–	–	–	70	0.08	0.6	–	–	–
GL3-D300M02-GM	G8330	0.2	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	–	–	–	35	0.14	0.8	–	–	–
	T7325	0.2	175	0.20	1.0	135	0.18	1.0	–	–	–	–	–	–	55	0.14	0.8	–	–	–
GL3-D300M04-GM	G8330	0.4	160	0.20	1.0	95	0.18	1.0	150	0.20	1.0	–	–	–	40	0.14	0.8	–	–	–
	T7325	0.4	185	0.20	1.0	140	0.18	1.0	–	–	–	–	–	–	60	0.14	0.8	–	–	–
GL4-D400M04-GM	G8330	0.4	150	0.25	1.2	90	0.23	1.2	140	0.25	1.2	–	–	–	35	0.18	1.0	–	–	–
	T7325	0.4	170	0.25	1.2	130	0.23	1.2	–	–	–	–	–	–	55	0.18	1.0	–	–	–
GL4-D400M08-GM	G8330	0.8	180	0.25	1.2	105	0.23	1.2	170	0.25	1.2	–	–	–	45	0.18	1.0	–	–	–
	T7325	0.8	200	0.25	1.2	155	0.23	1.2	–	–	–	–	–	–	65	0.18	1.0	–	–	–
GL5-D500M08-GM	G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	–	–	–	40	0.21	1.0	–	–	–
	T7325	0.8	190	0.30	1.2	145	0.27	1.2	–	–	–	–	–	–	60	0.21	1.0	–	–	–
GL6-D600M08-GM	G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	–	–	–	40	0.21	1.0	–	–	–

7 8 9 11

GL5-D500M08-GM:T7325

Utilice el código de especificación completo de la plaquita de corte para realizar el pedido.

- Calidad
- Incluye dos puntos
- Código ISO para la plaquita de corte

Página estándar donde se muestran plaquitas de torneado; los detalles de la página específica serán diferentes.

PLAQUITAS PARA TRONZADO Y RANURADO: PÁGINA RESUMEN

Pos.	Descripción
1	Denominación de la plaquita de corte
2	Representación esquemática de la plaquita de corte
3	Tabla de tamaños de plaquita de corte (mm)
4	Imagen representativa de una plaquita de corte
5	Perfil del filo de corte principal
6	Símbolos: características especiales y tipo de filo de corte

Pos.	Descripción
7	Código ISO para la plaquita de corte
8	Calidad
9	Radios de plaquita de corte (mm)
10	Descripción de la geometría
11	Área de aplicación de la plaquita de corte

1 GG.(RL) INT

P M K N S H 2

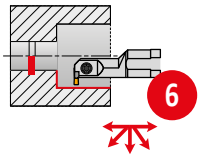
PRAMET 3 G

4

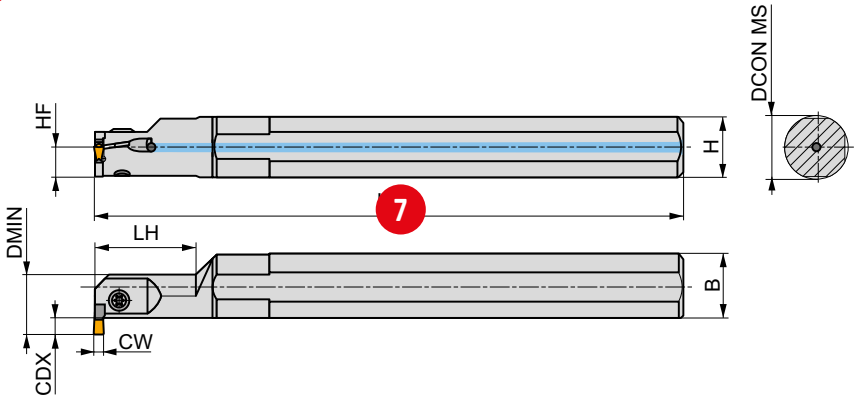
Portaherramientas de Ranurado Interior para Plaquitas LCM.

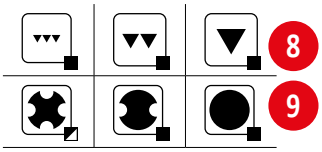
Portaherramientas de interior a derecha o izquierda para ranurado con plaquitas LCM. 0313 y 0413. Agujero mínimo de Ø16 mm. Adecuado para aplicaciones de ranurado interior y torneado interior multidireccional. Disponible con mangos de Ø16 hasta Ø32 mm. Cuerpo tratado para una vida útil más larga.

5



6





8 9

10

	Product	DCON MS [mm]	HF [mm]	H [mm]	B [mm]	LF [mm]	LH [mm]	CW [mm]	CDX [mm]	DMIN [mm]		kg		
R	A16Q-GGER 0313	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.26	GI143	GL06
	A16Q-GGER 0313-04	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.26	GI190	GL06
	A20R-GGFR 0313	20	9	18	19	200	30	3.00	4.5	20	✓	0.36	GI143	GL06
	A20R-GGFR 0313-04	20	9	18	19	200	30	3.00	4.5	20	✓	0.39	GI190	GL06
	A25S-GGHR 0313	25	11.5	23	24	250	40	3.00	6.5	25	✓	0.78	GI143	GL06
	A25S-GG[illegible]3	25	11.5	23	24	250	40	4.00	6.5	25	✓	0.78	GI143	GL06
	A32T-GGHR 0413	32	15	30	31	300	50	4.00	9.5	32	✓	1.59	GI170	GL06
L	A16Q-GGEL 0313	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.29	GI143	GL06
	A16Q-GGEL 0313-04	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.28	GI190	GL06
	A20R-GGFL 0313	20	9	18	19	200	30	3.00	4.5	20	✓	0.38	GI143	GL06
	A20R-GGFL 0313-04	20	9	18	19	200	30	3.00	4.5	20	✓	0.38	GI190	GL06
	A25S-GGHL 0313	25	11.5	23	24	250	40	3.00	6.5	25	✓	0.81	GI143	GL06
	A25S-GGFL 0413	25	11.5	23	24	250	40	4.00	6.5	25	✓	0.82	GI170	GL06
	A32T-GGHL 0413	32	15	30	31	300	50	4.00	9.5	32	✓	1.59	GI170	GL06

11 12 13 14 15 16 17

18

GI143	LCM. 0313..
GI170	LCM. 0413..
GI190	LCM. 0313…..-04

		Nm	19		
GL06	SR 85011-T15P	5.0	M 5	9	FLAG T15P

Página estándar donde se muestran soportes de torneado; los detalles de la página específica serán diferentes.

SOPORTES PARA TRONZADO Y RANURADO: PÁGINA RESUMEN

Pos.	Descripción
1	Denominación del soporte para tronzado y ranurado
2	Recomendaciones de grupo de material
3	Sistema de fijación de la plaquita de corte
4	Imagen [1]
5	Descripción de la herramienta
6	Perfil de la pieza
7	Representación esquemática de la herramienta
8	Calidad de superficie posible
9	Tipo de corte/condiciones de trabajo
10	Aplicaciones del producto

Pos.	Descripción
11	Diseño de la herramienta
12	Código del soporte
13	Dimensiones [mm] y ángulos [2] [°] del soporte
14	Refrigeración interna
15	Peso [kg]
16	Grupo de plaquitas de corte compatibles [3]
17	Grupo de piezas de repuesto [3], [4]
18	Plaquitas de corte compatibles
19	Piezas de repuesto

[1] Los portaherramientas mostrados son de diseño a derecha (R)

[2] GAMO = ángulo ortogonal (ver sección técnica)
LAMS = ángulo de desprendimiento del filo de corte (ver sección técnica)

[3] El código del grupo de plaquitas compatibles, repuestos y accesorios especiales se utiliza sólo para el uso de este catálogo. No puede ser utilizado para pedidos.

[4] Los iconos de los repuestos y accesorios especiales estan diseñados esquemáticamente para su fácil comprensión. No estan incluidos en la lista de iconos. En algunos casos, la información de los tornillos se completa con el par de apriete en Nm, longitud y tamaño de rosca.

TRONZADO Y RANURADO: RESUMEN DE SÍMBOLOS

SÍMBOLOS GENERALES

■	Uso principal
◪	Uso posible

▼▼▼	Acabado: calidad superficial muy buena
▼▼	Mecanizado medio: calidad superficial buena
▼	Desbaste: rugosidad superficial ilimitada

●	Adecuado para condiciones de trabajo estables
	Adecuado para condiciones de trabajo inestables
	Adecuado para condiciones de trabajo muy inestables

OPERACIONES DE TORNEADO

	Torneado en copia (mecanizado multidireccional)
	Ranurado axial profundo y ancho (con expansión posterior)
	Ranurado axial profundo
	Ranurado radial profundo
	Refrentado en copia

	Ranurado interior
	Ranurado interior (con expansión posterior)
	Tronzado
	Ranurado axial poco profundo y ancho (con expansión posterior)
	Ranurado axial poco profundo

	Ranurado radial poco profundo
	Tronzado de tubos
	Ranurado radial ancho (con expansión posterior)

CARACTERÍSTICAS

	Primera elección
	Voladizo largo

	Opción universal
	Condiciones de trabajo pesadas

	Filo redondeado
	Filo redondeado con faceta

OTROS

	Par de apriete del tornillo [Nm]

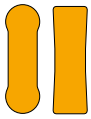
	Refrigeración interna

PLAQUITAS DE TRONZADO Y RANURADO: NAVEGADOR

GL. D NEW

406

LCMF 13



418

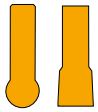
LCMF 16, LCMF 30

432

LCMF 20

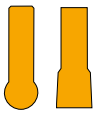
453

LCMR 13



419

LCMR 16, LCMR 30



435

LFMX

456

LFUX

464

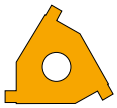
TN R EXT

475

TN R INT

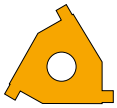
475

TN ZZ EXT



476

TN ZZ INT



477

X 61 NEW

468

X 61 R NEW

469

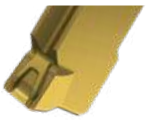
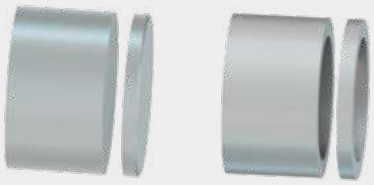
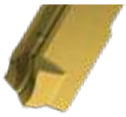
X 61 R-1 NEW

473

X 61-1 NEW

472

GEOMETRÍAS DE TRONZADO Y RANURADO: NAVEGADOR

		Tipo de operación	Selección de la familia de plaquitas	
			Primera elección	Elección opcional
EXTERIOR		Ranurado	GL. D NEW GM  406	LCMF16, LCMF30 F 432
		Tronzado	GL. D NEW PM  407	LFMX M2 457
		Ranurado frontal	LCMF13 F 418	LCMF16, LCMF30 F 432
		Perfilado en copia	GL. D NEW MM 406	LCMF16, LCMF30 MP 433
		Ranurado para circlips	X61 NEW 469	TN ZZ EXT 476
INTERIOR		Ranurado	LCMF13 F 418	
		Perfilado en copia	LCMF13 MP 419	
		Ranurado para circlips	X61 NEW 468	TN ZZ INT 477

CALIDADES DE TRONZADO Y RANURADO: NAVEGADOR

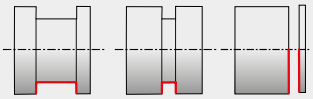
Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
T9325	P15 - P35 M10 - M30 K15 - K35 S10 - S20	■ ■ ◪ ◪	▰▰▰▱	▰▰▱▱	▰▰▰▱	MT-CVD		FGM	+ +	Desde el punto de vista tecnológico, se trata de una calidad extremadamente versátil con una elevada resistencia a los daños mecánicos en condiciones de corte adversas y ofrece una excelente resistencia al desgaste. El uso correcto de este material requiere altas velocidades de corte.
T7325	P15 - P35 M10 - M25 S10 - S25	◪ ■ ■	▰▰▰▱	▰▰▰▱	▰▰▱▱	MT-CVD		FGM	+ + +	Una de las calidades de torneado más universales. Es especialmente adecuada para el mecanizado de acero inoxidable. Presenta un equilibrio óptimo entre resistencia al desgaste y fiabilidad de funcionamiento. Adecuada para una amplia variedad de aplicaciones en operaciones de torneado.
6640	P20 - P40 M20 - M35 K25 - K40	■ ■ ■	▰▰▰▱	▰▰▱▱	▰▰▰▱	MT-CVD		H	+ + +	Uno de los materiales de torneado más resistentes que puede utilizarse especialmente en operaciones de desbaste, o cuando la fiabilidad de funcionamiento en condiciones de corte adversas es una prioridad. Otra opción ideal para las máquinas que trabajan con velocidades de corte bajas o medias y velocidades de avance medias o altas.
T8330	P25 - P40 M20 - M35 K20 - K40 N15 - N30 S15 - S25 H15 - H25	■ ■ ■ ◪ ◪ ◪	▰▰▰▱	▰▰▱▱	▰▰▰▱	PVD		submicron H	+ + +	Material de corte versátil; resulta idóneo para el mecanizado de todo tipo de materiales y es adecuado para casi todas las operaciones de torneado. Sus principales ventajas son su elevada fiabilidad de funcionamiento y sus excelentes propiedades de fricción, por lo que es adecuado para aplicaciones a velocidades de corte medias y bajas.
G8330	P25 - P40 M20 - M35 K20 - K40 S15 - S25	■ ■ ■ ◪	▰▰▰▱	▰▰▱▱	▰▰▰▱	PVD		submicron H	+ + +	Calidad de corte universal para aplicaciones de tronzado y ranurado. Esta calidad se caracteriza por su excepcional fiabilidad y versatilidad. Se ha desarrollado para adaptarse al mecanizado de la mayoría de los materiales.

Sustrato	
H	Sustrato de base WC-Co
submicron H	Sustrato de base WC-Co de grano fino (< 1 µm)
FGM	Sustrato con gradiente funcional

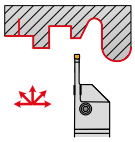
Recubrimiento	
MT-CVD	Método de recubrimiento químico a media temperatura
PVD	Método de recubrimiento físico

Ventajas del aceite de corte	
+ + +	Es imprescindible el uso de refrigerante
+ +	Altamente recomendado

TRONZADO Y RANURADO - EXTERIOR

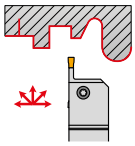


GLSF(RL) EXT NEW



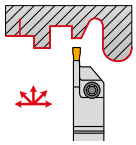
	GL.D
	GL2 GL3 GL4 GL5 GL6
20×20 25×25	
410	406 – 408

GLSF(RL) EXT-G NEW



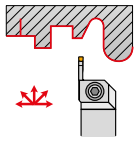
	GL.D
	GL2 GL3 GL4 GL5 GL6
20×20 25×25	
412	406 – 408

GLSF(RL) EXT-S NEW



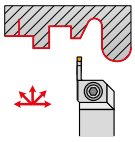
	GL.D
	GL2 GL3 GL4
12×12 16×16	
413	406 – 408

GFK(RL) EXT



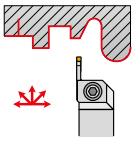
	LCMF
	0220
16×16 25×25	
455	418 – 454

GFI(RL) EXT



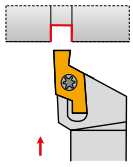
	LCMF, LCMR
	0316 0416 0516 0616 0830
16×16 32×25	
437	418 – 454

GFM(RL) EXT



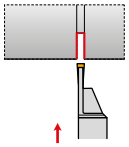
	LCMF, LCMR
	0316 0416 0516 0616 0830
20×20 32×25	
439	418 – 454

P61 (RL) EXT NEW



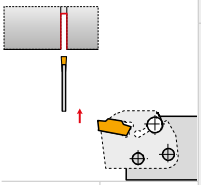
	X61
16×16 25×25	
470	468 – 469

XLCF(RL)



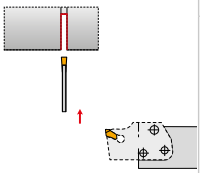
	LFUX
	03 04 05 06
16×12 32×25	
465	464

XLCCN 25 BS + MS-EN



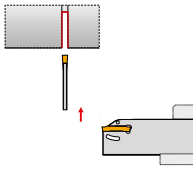
	LCMF, LCMR
	0316 0416 0516 0616
25×25 32×25	
442, 443	418 – 454

XLCF(NRL) BS + MS-EN



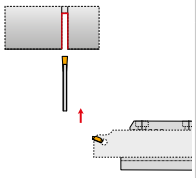
	LFMX
	1.50 1.60 2.00 2.20 3.10 4.10 5.10 6.35
12×12 32×25	
461, 463	456 – 458

GLS B + DU, D NEW



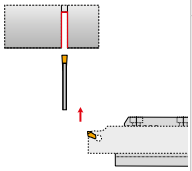
	GL.D
	GL2 GL3 GL4 GL5 GL6
20×20 32×29	
414, 415	406 – 409

XLCCN B + DU, D



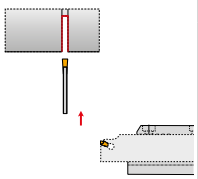
	LCMF, LCMR
	0316 0416 0516 0616
20×20 32×29	
440, 441	418 – 454

XLCFN B + DU, D



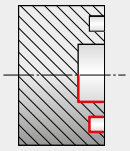
	LFMX
	1.50 1.60 2.00 2.20 3.10 4.10 5.10 6.35
20×20 40×36	
459, 460	456 – 458

XLCFN B LFUX + DU, D

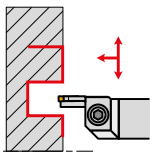


	LFUX
	03 04 05 06
20×20 40×40	
466, 467	464

RANURADO FRONTAL



GFIL-L AXIAL

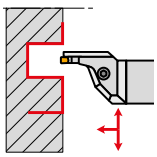


LCMF, LCMR
0313 0316

17-30
140-230

422, 444
418 – 454

GFIL-R AXIAL

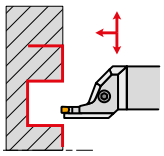


LCMF, LCMR
0313 0316 0413 0416

17-30
140-230

423, 445
418 – 454

GFIR-L AXIAL

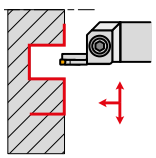


LCMF, LCMR
0313 0316 0413 0416

17-30
140-230

424, 446
418 – 454

GFIR-R AXIAL

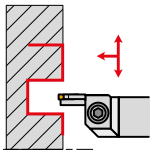


LCMF, LCMR
0313 0316

17-30
140-230

425, 447
418 – 454

GFML-L AXIAL

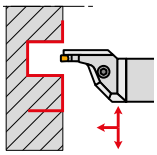


LCMF, LCMR
0413 0416

17-30
140-230

426, 448
418 – 454

GFML-R AXIAL

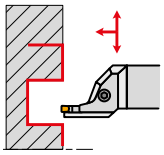


LCMF, LCMR
0413 0416

17-30
140-230

427, 449
418 – 454

GFMR-L AXIAL

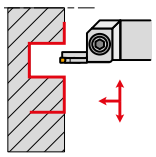


LCMF, LCMR
0413 0416

17-30
140-230

428, 450
418 – 454

GFMR-R AXIAL

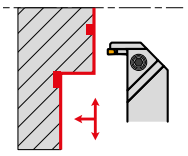


LCMF, LCMR
0413 0416

17-30
140-230

429, 451
418 – 454

GGI(RL)-90 AXIAL

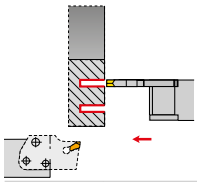


LCMF, LCMR
0313 0316

17-30
110-170

430, 452
418 – 454

XLXFL BS AXIAL + MS-EN

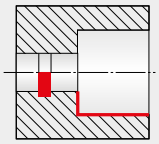


LFMX
3.10

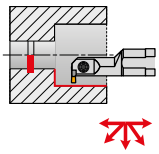
60-85
150-280

462, 463
456 – 458

RANURADO - INTERIOR



GG.(RL) INT



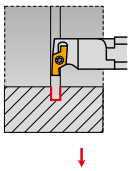
LCMF, LCMR
0313 0413

ØDmin	
16 – 32	

421

418 – 454

P61 (RL) INT NEW



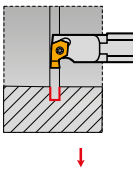
X61

ØDmin	
16 – 40	

471

468

P61S(RL)-1 INT NEW



X61-1

ØDmin	
12.5	

474

472

PLAQUITAS DE TRONZADO Y RANURADO GL: CÓDIGO DE DENOMINACIÓN

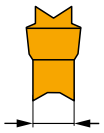
1	2		3	4	5	6	7		8
GL	3	–	D	300	G	02	L06	–	PM

1 Grupo de herramientas

GL

2 Tamaño de asiento

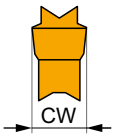
1, 2, 3, 4, 5, 6



3 Número de filos

S	Un filo
D	Dos filos

4 Ancho de corte

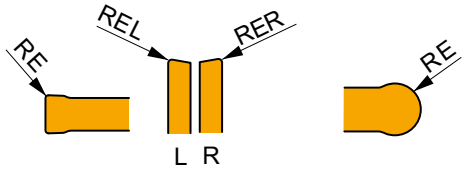


	CW
200	2.00
250	2.50
300	3.00
400	4.00
500	5.00
600	6.00

5 Diseño del filo

G	Rectificado
M	Directamente prensado

6 Radio de punta

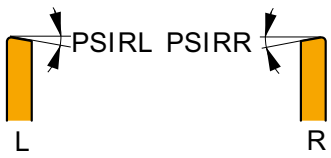


	RE, RER, REL (mm)
02	0.2
03	0.3
04	0.4
08	0.8

GEOMETRÍA REDONDA

	RE (mm)
M0	RE = CW/2

7 Ángulo de posición



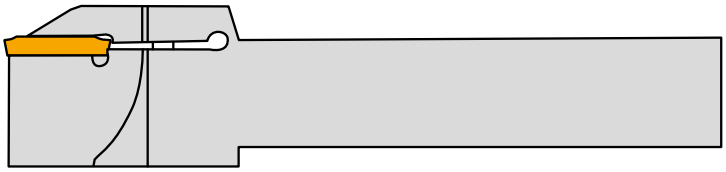
	(°)
06	6
12	12

8 Denominación del rompevirutas

PM
PR
GM
MM

SOPORTES PARA TRONZADO Y RANURADO (TORNEADO EXTERIOR) GL: CÓDIGO DE DENOMINACIÓN

1	2		3	4	5	6	7		8		9	10	11
GL	3	–	S	2525	M	F	L	–	20	–	R	120	090

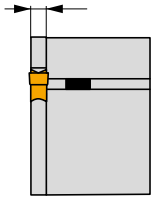


1 Grupo de herramientas

GL

2 Tamaño de asiento

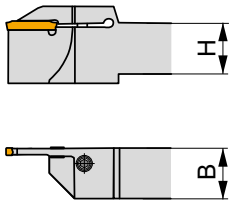
1, 2, 3, 4, 5, 6



3 Tipo de mango

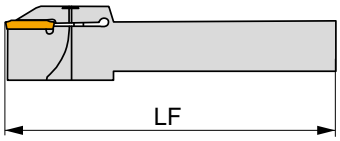
A	Mango de acero con refrigeración interna
S	Mango de acero sin refrigeración interna

4 Dimensiones del mango



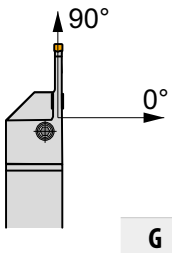
	H/B (mm)/ (mm)
1212	– 12/12
1616	– 16/16
2020	– 20/20
2525	– 25/25

5 Longitud total - LF



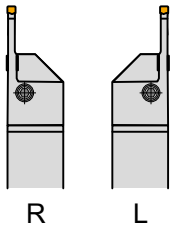
	LF (mm)
H	100
K	125
M	150
P	170

6 Tipo de herramienta - ángulo de posición

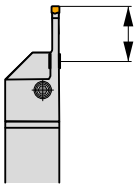


	(°)
G	0
F	90

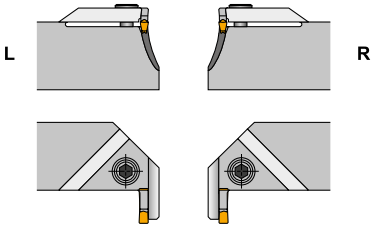
7 Versión (derecha/izquierda)



8 Profundidad de corte máxima - CDX

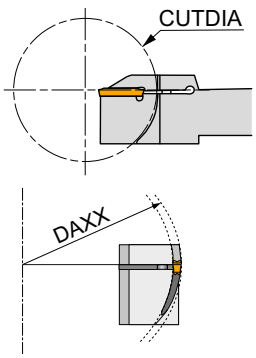


9 Dirección de la curvatura de la lama

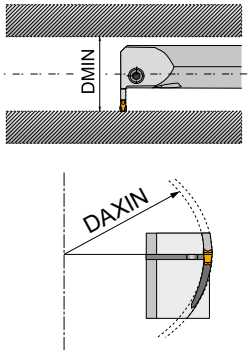


Información adicional para ranurado axial o frontal.

10 Diámetro máximo



11 Diámetro mínimo



LAMAS PARA TRONZADO Y RANURADO (TORNEADO EXTERIOR) GL: CÓDIGO DE DENOMINACIÓN

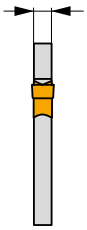
1	2		3	4	5	6
GL	3	–	S	32	M	B

1 Grupo de herramientas

GL

2 Tamaño de asiento

1, 2, 3, 4, 5, 6



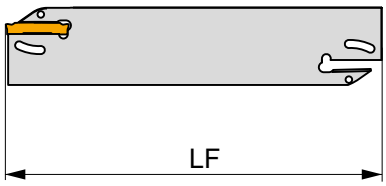
3 Tipo de mango

A	Mango de acero con refrigeración interna
S	Mango de acero sin refrigeración interna

4 Dimensiones del mango

	H (mm)
26	26
32	32

5 Longitud total de la lama - LF

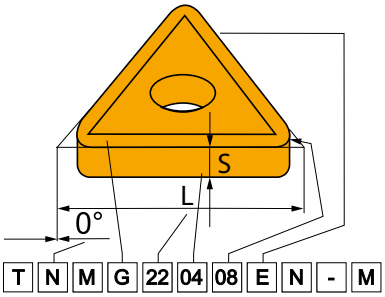


	LF (mm)	LF (")
K	125	5.000"
M	150	6.000"

6 Tipo de herramienta

LAMA - B

PLAQUITAS – DESIGNACIÓN CÓDIGO ISO



	1	2	3	4
ISO	T	N	U	N
	T	N	M	G
ANSI	1	2	3	4
	T	N	U	
	T	N	M	G

1 Forma de plaquita

H	O	P	R
S	T	C (80°)	D (55°)
E (75°)	M (86°)	V (35°)	W (80°)
L	A (85°)	B (82°)	K (55°)

2 Ángulo de incidencia

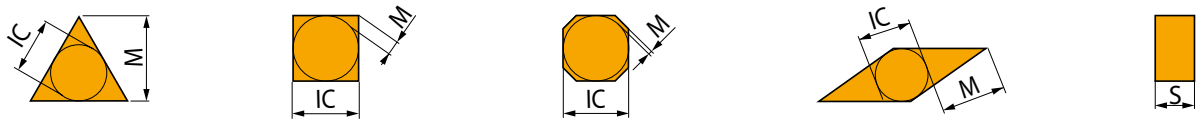
A (3°)		B (5°)	
C (7°)		D (15°)	
E (20°)		F (25°)	
G (30°)		N (0°)	
P (11°)		O	Especial

4 Tipo de plaquita

N	
R	
F	
A	
M	
G	
W	40° – 60°
T	
Q	
U	
B	70° – 90°
H	
C	
J	
X	Especial

3 Tolerancias

	(mm)			(")		
	M (±)	S (±)	IC (±)	M (±)	S (±)	IC (±)
A	0.005	0.025	0.025	.0002"	.001"	.0010"
F	0.005	0.025	0.013	.0002"	.001"	.0005"
C	0.013	0.025	0.025	.0005"	.001"	.0010"
H	0.013	0.025	0.013	.0005"	.001"	.0005"
E	0.025	0.025	0.025	.0010"	.001"	.0010"
G	0.025	0.130	0.025	.0010"	.005"	.0010"
J	0.005	0.025	0.05 – 0.13	.0002"	.001"	.002 – 0.005"
K	0.013	0.025	0.05 – 0.13	.0005"	.001"	.002 – 0.005"
L	0.025	0.025	0.05 – 0.13	.0010"	.001"	.002 – 0.005"
M	0.08 – 0.18	0.130	0.05 – 0.13	.003 – 0.007"	.005"	.002 – 0.005"
N	0.08 – 0.18	0.025	0.05 – 0.13	.003 – 0.007"	.001"	.002 – 0.005"
U	0.05 – 0.38	0.130	0.05 – 0.13	.005 – 0.015"	.005"	.003 – 0.010"



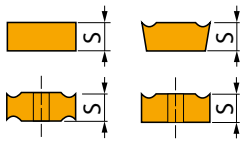
PLAQUITAS – DESIGNACIÓN CÓDIGO ISO

5	6	7		8	9		10
22	04	08					
22	04	08		E	N	-	M
5	6	7		8	9		10
4	3	2					
4	3	2		E	N	-	M

5 – Longitud del filo de corte (tamaño de plaquita)

d=IC (mm)	(in)	H	O	P	S	T	C	D	E	M	V	W	R	K
3.97					03	06		04			06	02		
	5/32"	1.2												
4.76					04	08	04	05	04	04	08	L3		
	3/16"	1.5												
5.56					05	09	05	06	05	05	09	03		
	7/32"	1.8												
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4"	2												
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16"	2.5												
9.525		05	04	07	09	16	09	11	09	09	16	06	09	16
	3/8"	3												
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2"	4												
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8"	5												
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4"	6												
25.40		14	10	18	25	44	25	31	26	25	44	17	25	
	1"	8												
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4"	10												

6 – Espesor



	S (mm)	S (")
01	1.59	1/16"
T1	1.98	5/64"
02	2.38	3/32"
03	3.18	1/8"
T3	3.97	5.32"
04	4.76	3/16"
05	5.56	7/32"
06	6.35	1/4"
07	7.94	5/16"
09	9.52	3/8"

7 – Radio de punta

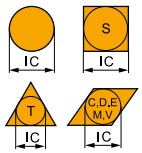
	RE (mm)	RE (")
00	0	0"
02	0.2	1/128"
04	0.4	1/64"
08	0.8	1/32"
12	1.2	3/64"
16	1.6	1/16"
24	2.4	3/32"
32	3.2	1/8"

Plaquitas redondas

d = I.C.	
(")	00
(mm)	M0

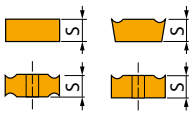
ANSI

5 – Círculo inscrito



Symbol	d = I.C. (mm)	d = I.C. (")
1	3.175	1/8"
1.2	3.969	5/32"
1.5	4.763	3/16"
1.8	5.556	7/32"
2	6.350	1/4"
2.5	7.938	5/16"
3	9.525	3/8"
4	12.700	1/2"
5	15.875	5/8"
6	19.050	3/4"
7	22.225	7/8"
8	25.400	1"
10	31.750	5/4"
12	38.100	6/4"

6 – Espesor



Symbol	S (mm)	S (")
1	1.588	1/16"
1.2	1.984	5/64"
1.5	2.381	3/32"
2	3.175	1/8"
2.5	3.969	5/32"
3	4.763	3/16"
3.5	5.556	7/32"
4	6.350	1/4"
5	7.938	5/16"
6	9.525	3/8"
7	11.113	7/16"
8	12.700	1/2"
9	14.288	9/16"
10	15.875	5/8"

7 – Radio de punta

Symbol	RE (mm)	RE (")
0	0	0"
0.2	0.099	1/256"
0.5	0.198	1/128"
1	0.397	1/64"
2	0.794	1/32"
3	1.191	3/64"
4	1.588	1/16"
5	1.984	5/64"
6	2.381	3/32"
7	2.778	7/64"
8	3.175	1/8"
10	3.969	5/32"
12	4.763	3/16"
14	5.556	7/32"
16	6.350	1/4"

8 – Condición del filo de corte

F	Filos vivos	E	Filos redondeados
T	Filos con faceta	S	Filo redondeado con faceta
K	Filos con doble faceta	P	Filos redondeados con doble faceta

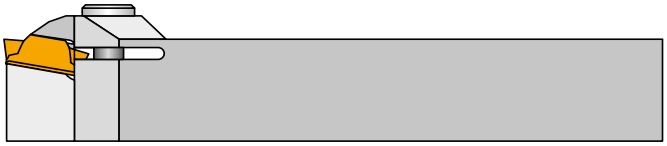
9 – Dirección de avance

R	Avance ←	N	Avance ← Avance →
L	Avance →		

10 – Designación del rompevirutas

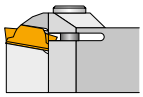
HERRAMIENTAS DE TRONZADO Y RANURADO. TORNEADO EXTERIOR. DENOMINACIÓN DEL CÓDIGO ISO

	1	2	3	4	5	6	7	8	9	10	11
ISO	G	F	I	L	25	25	M	0316	R	030	017
	1	2	3	4	5 & 6		7	8	9	10	11
ANSI	G	F	I	L	16		D	0316	R	1.18	.670

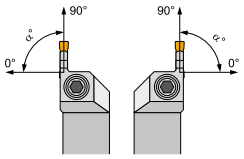


1 Tipo de fijación

G



2 Tipo de herramienta - ángulo de posición

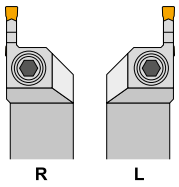


α°	
G = 0°	K = 75°
R = 15°	F = 90°
T = 30°	B = 105°
S = 45°	E = 120°
W = 60°	D = 135°

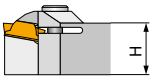
3 Profundidad de corte máxima - CDX

G = 2.0 × CW	N = 5.5 × CW
H = 2.5 × CW	O = 6.0 × CW
I = 3.0 × CW	P = 6.5 × CW
J = 3.5 × CW	Q = 7.0 × CW
K = 4.0 × CW	R = 7.5 × CW
L = 4.5 × CW	S = 8.0 × CW
M = 5.0 × CW	T = 8.5 × CW

4 Versión (derecha/izquierda) R/L

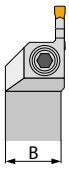


5 Altura del mango (mm)



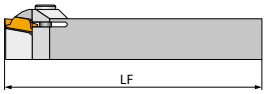
12 = 12 mm
16 = 16 mm
20 = 20 mm
etc.

6 Anchura del mango (mm)



12 = 12 mm
16 = 16 mm
20 = 20 mm
etc.

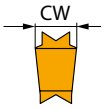
7 Longitud total



	LF (mm)
H	100
J	110
K	125
L	140
M	150
N	160
P	170
Q	180
R	200

	LF (")
A	4.000"
B	4.500"
C	5.000"
D	6.000"
E	7.000"
F	8.000"

8 Ancho de plaquita



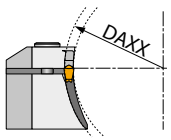
	CW (mm)	CW (")
02	2.0	.079"
03, 0313, 0316	3.0	.118"
04, 0413, 0416	4.0	.157"
05, 0516	5.0	.197"
06, 0616	6.0	.236"
08, 0830	8.0	.315"

5 & 6

	B (")	H (")
05	5/16"	5/16"
06	3/8"	3/8"
08	1/2"	1/2"
10	5/8"	5/8"
12	3/4"	3/4"
16	1"	1"
85	1"	1 1/4"
86	1"	1 1/2"
20	1 1/4"	1 1/4"
24	1 1/2"	1 1/2"
32	2"	2"

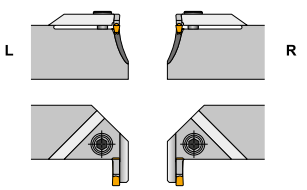
Para mangos cuadrados, el dígito indica el ancho o la altura en dieciseisavos de pulgada. Para mangos rectangulares, el primer dígito indica el ancho en octavos de pulgada y el segundo dígito indica la altura en cuartos de pulgada.

10 Diámetro máximo - ranurado frontal



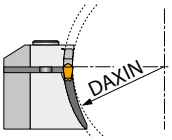
Información adicional para ranurado axial o frontal.

9 Dirección de la curvatura de la lama



Información adicional para ranurado axial o frontal.

11 Diámetro mínimo - ranurado frontal



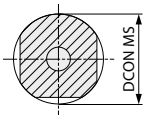
Información adicional para ranurado axial o frontal.

	1	2	3		4	5	6	7	8
ISO	A	25	S	–	G	G	H	L	0313
ANSI	A	16	S	–	G	G	H	L	0313

1 Mango

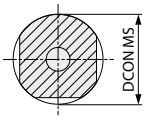
S	Mango de acero
A	Mango de acero con refrigeración interna

2 Diámetro del mango



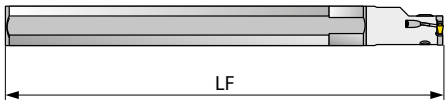
	DCON MS [mm]
12	12
16	16
20	20
25	25
32	32
40	40

2 Diámetro del mango



	DCON MS (")
08	.500"
10	.625"
12	.750"
16	1.000"
20	1.250"
24	1.500"

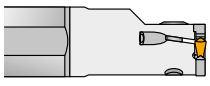
3 Longitud total



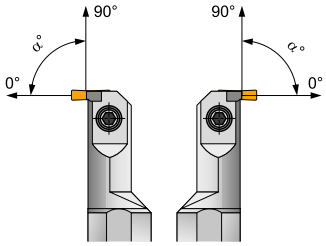
	LF [mm]	LF (")		LF [mm]	LF (")
M	150	6.000"	S	250	10.000"
P	170	6.250"	T	300	12.000"
Q	180	7.250"	U	350	14.000"
R	200	8.000"	V	400	15.750"

4 Tipo de fijación

G



5 Tipo de herramienta - ángulo de posición

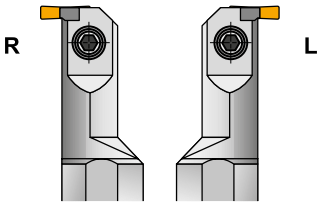


α°	
G = 0°	K = 75°
R = 15°	F = 90°
T = 30°	B = 105°
S = 45°	E = 120°
W = 60°	D = 135°

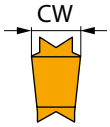
6 Profundidad de corte máxima - CDX

E = 1.0 × CW	J = 3.5 × CW
F = 1.5 × CW	K = 4.0 × CW
G = 2.0 × CW	L = 4.5 × CW
H = 2.5 × CW	M = 5.0 × CW
I = 3.0 × CW	N = 5.5 × CW
X = Especial	

7 Versión (derecha/izquierda) R/L



8 Ancho de plaquita



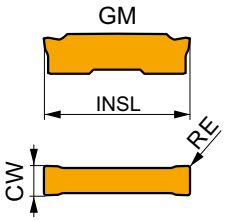
	CW [mm]
0313	3.0
0413	4.0

NEW

GL. D - GM

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

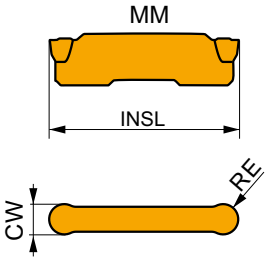
Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
			U E																	
Geometría GM para ranurado y torneado longitudinal con corte contínuo a interrumpido.																				
GL2-D200M02-GM	**G8330**	0.2	■ 190	0.10	0.8	■ 110	0.09	0.8	■ 180	0.10	0.8	–	–	–	◪ 45	0.08	0.6	–	–	–
	T7325	0.2	◪ 220	0.10	0.8	■ 170	0.09	0.8	–	–	–	–	–	–	◪ 70	0.08	0.6	–	–	–
GL3-D300M02-GM	**G8330**	0.2	■ 150	0.20	1.0	■ 90	0.18	1.0	■ 140	0.20	1.0	–	–	–	◪ 35	0.14	0.8	–	–	–
	T7325	0.2	◪ 175	0.20	1.0	■ 135	0.18	1.0	–	–	–	–	–	–	◪ 55	0.14	0.8	–	–	–
GL3-D300M04-GM	**G8330**	0.4	■ 160	0.20	1.0	■ 95	0.18	1.0	■ 150	0.20	1.0	–	–	–	◪ 40	0.14	0.8	–	–	–
	T7325	0.4	◪ 185	0.20	1.0	■ 140	0.18	1.0	–	–	–	–	–	–	◪ 60	0.14	0.8	–	–	–
GL4-D400M04-GM	**G8330**	0.4	■ 150	0.25	1.2	■ 90	0.23	1.2	■ 140	0.25	1.2	–	–	–	◪ 35	0.18	1.0	–	–	–
	T7325	0.4	◪ 170	0.25	1.2	■ 130	0.23	1.2	–	–	–	–	–	–	◪ 55	0.18	1.0	–	–	–
GL4-D400M08-GM	**G8330**	0.8	■ 180	0.25	1.2	■ 105	0.23	1.2	■ 170	0.25	1.2	–	–	–	◪ 45	0.18	1.0	–	–	–
	T7325	0.8	◪ 200	0.25	1.2	■ 155	0.23	1.2	–	–	–	–	–	–	◪ 65	0.18	1.0	–	–	–
GL5-D500M08-GM	**G8330**	0.8	■ 170	0.30	1.2	■ 100	0.27	1.2	■ 160	0.30	1.2	–	–	–	◪ 40	0.21	1.0	–	–	–
	T7325	0.8	◪ 190	0.30	1.2	■ 145	0.27	1.2	–	–	–	–	–	–	◪ 60	0.21	1.0	–	–	–
GL6-D600M08-GM	**G8330**	0.8	■ 170	0.30	1.2	■ 100	0.27	1.2	■ 160	0.30	1.2	–	–	–	◪ 40	0.21	1.0	–	–	–
	T7325	0.8	◪ 190	0.30	1.2	■ 145	0.27	1.2	–	–	–	–	–	–	◪ 60	0.21	1.0	–	–	–

NEW

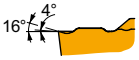
GL. D - MM

PRAMET

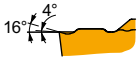
	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	26.0
600	6.00	-0.05	0.05	26.0



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
			U S																	
Geometría MM con radio completo para perfilado en copia y torneado longitudinal, con corte contínuo a interrumpido.																				
GL2-D200MM0-MM	**G8330**	1.0	■ 250	0.10	1.0	■ 150	0.09	1.0	■ 235	0.10	1.0	–	–	–	◪ 60	0.08	0.8	–	–	–
	T7325	1.0	◪ 285	0.10	1.0	■ 220	0.09	1.0	–	–	–	–	–	–	◪ 90	0.08	0.8	–	–	–

Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

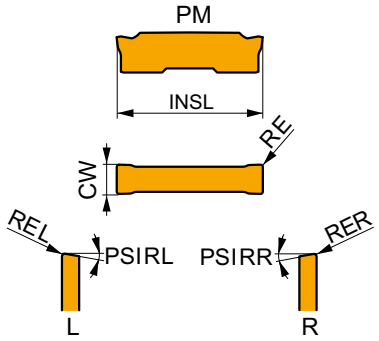
Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría MM con radio completo para perfilado en copia y torneado longitudinal, con corte contínuo a interrumpido.																	
GL3-D300MM0-MM	**G8330**	1.5	■	210	0.20	1.2	■	125	0.18	1.2	■	195	0.20	1.2	–	–	–	◪	50	0.14	1.0	–	–	–
	T7325	1.5	◪	240	0.20	1.2	■	185	0.18	1.2		–	–	–	–	–	–	◪	75	0.14	1.0	–	–	–
GL4-D400MM0-MM	**G8330**	2.0	■	220	0.20	1.2	■	130	0.18	1.2	■	205	0.20	1.2	–	–	–	◪	55	0.14	1.0	–	–	–
	T7325	2.0	◪	250	0.20	1.2	■	195	0.18	1.2		–	–	–	–	–	–	◪	80	0.14	1.0	–	–	–
GL5-D500MM0-MM	**G8330**	2.5	■	205	0.25	1.2	■	120	0.23	1.2	■	190	0.25	1.2	–	–	–	◪	50	0.18	1.0	–	–	–
	T7325	2.5	◪	235	0.25	1.2	■	180	0.23	1.2		–	–	–	–	–	–	◪	75	0.18	1.0	–	–	–
GL6-D600MM0-MM	**G8330**	3.0	■	195	0.30	1.2	■	115	0.27	1.2	■	185	0.30	1.2	–	–	–	◪	45	0.21	1.0	–	–	–
	T7325	3.0	◪	220	0.30	1.2	■	170	0.27	1.2		–	–	–	–	–	–	◪	70	0.21	1.0	–	–	–

NEW

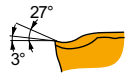
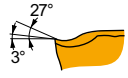
GL. D - PM

PRAMET

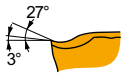
	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
250	2.55	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc	f	vc	f	vc	f	vc	f	vc	f	vc	f		
		(mm)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(°)	(°)
																
			Geometría PM, primera elección para tronzado y ranurado con corte contínuo a ligeramente interrumpido.													
GL2-D200M02-PM	**G8330**	0.2	■	130	0.08	■	75	0.07	◪	120	0.08	–	–	◪	30	0.06	–	–	–	–
	T7325	0.2	◪	150	0.08	■	115	0.07		–	–	–	–	◪	45	0.06	–	–	–	–
GL3-D250G02-PM	**G8330**	0.2	■	130	0.10	■	75	0.09	◪	120	0.10	–	–	◪	30	0.07	–	–	–	–
GL3-D300M02-PM	**G8330**	0.2	■	130	0.10	■	75	0.09	◪	120	0.10	–	–	◪	30	0.07	–	–	–	–
	T7325	0.2	◪	150	0.10	■	115	0.09		–	–	–	–	◪	45	0.07	–	–	–	–
GL4-D400M02-PM	**G8330**	0.2	■	130	0.12	■	75	0.11	◪	120	0.12	–	–	◪	30	0.10	–	–	–	–
	T7325	0.2	◪	150	0.12	■	115	0.11		–	–	–	–	◪	45	0.10	–	–	–	–
GL5-D500M03-PM	**G8330**	0.3	■	130	0.15	■	75	0.14	◪	120	0.15	–	–	◪	30	0.12	–	–	–	–
GL6-D600M03-PM	**G8330**	0.3	■	130	0.15	■	75	0.14	◪	120	0.15	–	–	◪	30	0.12	–	–	–	–
																
			Geometría R-PM con diseño a derecha, primera elección para tronzado con corte contínuo a ligeramente interrumpido.													
GL2-D200G02R06-PM	**G8330**	0.2	■	130	0.08	■	75	0.07	◪	120	0.08	–	–	◪	30	0.06	–	–	6	–
	T7325	0.2	◪	150	0.08	■	115	0.07		–	–	–	–	◪	45	0.06	–	–	6	–
GL2-D200G02R12-PM	**G8330**	0.2	■	130	0.08	■	75	0.07	◪	120	0.08	–	–	◪	30	0.06	–	–	12	–
GL3-D300G02R06-PM	**G8330**	0.2	■	130	0.10	■	75	0.09	◪	120	0.10	–	–	◪	30	0.07	–	–	6	–
	T7325	0.2	◪	150	0.10	■	115	0.09		–	–	–	–	◪	45	0.07	–	–	6	–
GL3-D300G02R12-PM	**G8330**	0.2	■	130	0.10	■	75	0.09	◪	120	0.10	–	–	◪	30	0.07	–	–	12	–
GL4-D400G02R06-PM	**G8330**	0.2	■	130	0.12	■	75	0.11	◪	120	0.12	–	–	◪	30	0.10	–	–	6	–
	T7325	0.2	◪	150	0.12	■	115	0.11		–	–	–	–	◪	45	0.10	–	–	6	–
GL4-D400G02R12-PM	**G8330**	0.2	■	130	0.12	■	75	0.11	◪	120	0.12	–	–	◪	30	0.10	–	–	12	–

Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

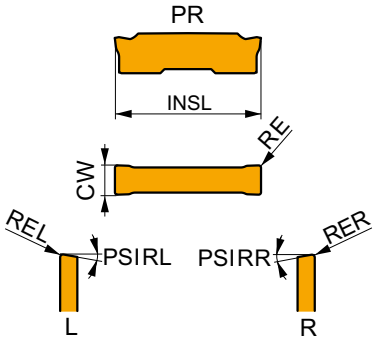
Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(°)	(°)
																
Geometría L-PM con diseño a izquierda, primera elección para tronzado con corte contínuo y ligeramente interrumpido.																
GL2-D200G02L06-PM	**G8330**	0.2	130	0.08	75	0.07	120	0.08	–	–	30	0.06	–	–	–	6
	T7325	0.2	150	0.08	115	0.07	–	–	–	–	45	0.06	–	–	–	6
GL2-D200G02L12-PM	**G8330**	0.2	130	0.08	75	0.07	120	0.08	–	–	30	0.06	–	–	–	12
GL3-D300G02L06-PM	**G8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	30	0.07	–	–	–	6
	T7325	0.2	150	0.10	115	0.09	–	–	–	–	45	0.07	–	–	–	6
GL3-D300G02L12-PM	**G8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	30	0.07	–	–	–	12
GL4-D400G02L06-PM	**G8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	30	0.10	–	–	–	6
	T7325	0.2	150	0.12	115	0.11	–	–	–	–	45	0.10	–	–	–	6
GL4-D400G02L12-PM	**G8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	30	0.10	–	–	–	12

NEW

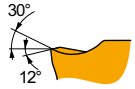
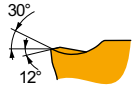
GL. D - PR

PRAMET

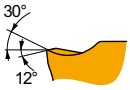
	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(°)	(°)
																
Geometría PR, primera elección para tronzado y ranurado con corte contínuo a interrumpido.																
GL2-D200M02-PR	**G8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–
	T7325	0.2	150	0.10	115	0.09	–	–	–	–	–	–	–	–	–	–
GL3-D300M02-PR	**G8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	–	–
	T7325	0.2	150	0.12	115	0.11	–	–	–	–	–	–	–	–	–	–
GL4-D400M02-PR	**G8330**	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	–	–
	T7325	0.2	150	0.15	115	0.14	–	–	–	–	–	–	–	–	–	–
GL5-D500M04-PR	**G8330**	0.4	130	0.18	75	0.16	120	0.18	–	–	–	–	–	–	–	–
GL6-D600M04-PR	**G8330**	0.4	130	0.18	75	0.16	120	0.18	–	–	–	–	–	–	–	–
																
Geometría R-PR con diseño a derecha, primera elección para tronzado con corte contínuo a ligeramente interrumpido.																
GL2-D200G02R06-PR	**G8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	6	–
GL2-D200G02R12-PR	**G8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	12	–
GL3-D300G02R06-PR	**G8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	6	–
GL3-D300G02R12-PR	**G8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	12	–
GL4-D400G02R06-PR	**G8330**	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	6	–
GL4-D400G02R12-PR	**G8330**	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	12	–

Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(°)	(°)
		(mm)														
			S													
			Geometría L-PR con diseño a izquierda, primera elección para tronzado con corte contínuo a interrumpido.													
GL2-D200G02L06-PR	**G8330**	0.2	■ 130	0.10	◪ 75	0.09	■ 120	0.10	–	–	–	–	–	–	–	6
GL2-D200G02L12-PR	**G8330**	0.2	■ 130	0.10	◪ 75	0.09	■ 120	0.10	–	–	–	–	–	–	–	12
GL3-D300G02L06-PR	**G8330**	0.2	■ 130	0.12	◪ 75	0.11	■ 120	0.12	–	–	–	–	–	–	–	6
GL3-D300G02L12-PR	**G8330**	0.2	■ 130	0.12	◪ 75	0.11	■ 120	0.12	–	–	–	–	–	–	–	12
GL4-D400G02L06-PR	**G8330**	0.2	■ 130	0.15	◪ 75	0.14	■ 120	0.15	–	–	–	–	–	–	–	6
GL4-D400G02L12-PR	**G8330**	0.2	■ 130	0.15	◪ 75	0.14	■ 120	0.15	–	–	–	–	–	–	–	12

NEW

GLSF(RL) EXT

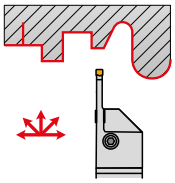
P M K N S H

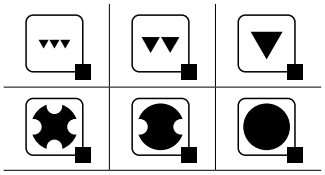
PRAMET

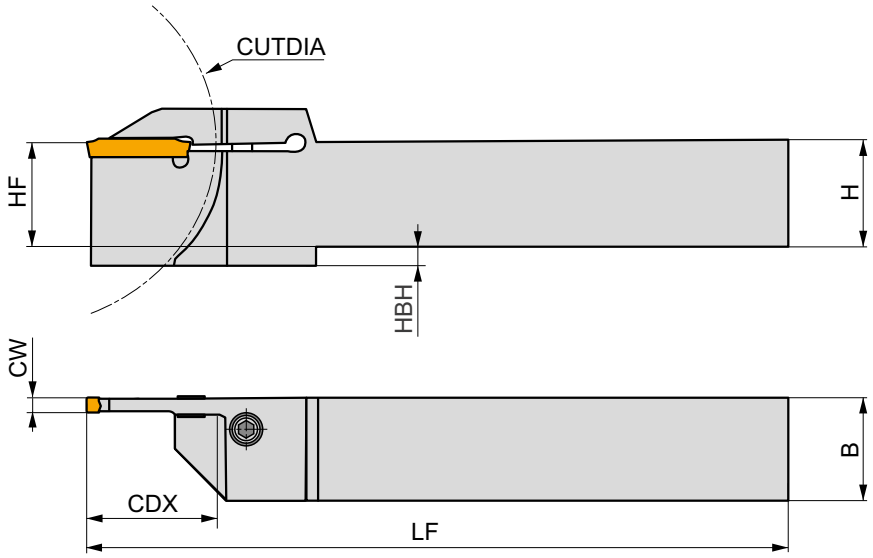
G

Herramienta de Tronzado y Ranurado Exterior con Fijación Superior y Ranura en V para Plaquitas GL

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado con plaquitas de doble filo GL 2, 3, 4, 5 o 6. Adecuado para aplicaciones de ranurado radial y tronzado hasta una profundidad máxima de 32 mm. Disponible con mangos de 20x20 y 25x25 mm. Cuerpo reforzado para una vida útil más larga y bajas vibraciones.







	Producto	HF (mm)	HBH (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	CUTDIA (mm)	kg		
R	GL2-S2020KFR-20-80	20	–	20	20	125	2.00	20	80	0.38	GI334	GL11
	GL2-S2020KFR-24-80	20	5	20	20	125	2.00	24	80	0.36	GI334	GL11
	GL2-S2525MFR-20-80	25	–	25	25	150	2.00	20	80	0.68	GI334	GL11
	GL2-S2525MFR-24-80	25	–	25	25	150	2.00	24	80	0.64	GI334	GL11
	GL3-S2020KFR-20-80	20	–	20	20	125	3.00	20	80	0.38	GI335	GL11
	GL3-S2020KFR-24-80	20	5	20	20	125	3.00	24	80	0.36	GI335	GL11
	GL3-S2525MFR-20-80	25	–	25	25	150	3.00	20	80	0.68	GI335	GL11
	GL3-S2525MFR-24-80	25	–	25	25	150	3.00	24	80	0.65	GI335	GL11
	GL3-S2525PFR-32-80	25	5	25	25	170	3.00	32	80	0.72	GI335	GL11
	GL4-S2020KFR-20-80	20	–	20	20	125	4.00	20	80	0.38	GI336	GL11
	GL4-S2020KFR-24-80	20	5	20	20	125	4.00	24	80	0.37	GI336	GL11
	GL4-S2525MFR-20-80	25	–	25	25	150	4.00	20	80	0.68	GI336	GL11
	GL4-S2525MFR-24-80	25	–	25	25	150	4.00	24	80	0.65	GI336	GL11
	GL4-S2525PFR-32-80	25	5	25	25	170	4.00	32	80	0.78	GI336	GL11
	GL5-S2020KFR-20-80	20	–	20	20	125	5.00	20	80	0.38	GI337	GL11
	GL5-S2525MFR-20-80	25	–	25	25	150	5.00	20	80	0.68	GI337	GL11
	GL5-S2525PFR-32-100	25	5	25	25	170	5.00	32	100	0.75	GI337	GL11
	GL6-S2020KFR-20-80	20	–	20	20	125	6.00	20	80	0.39	GI338	GL11
	GL6-S2525MFR-20-80	25	–	25	25	150	6.00	20	80	0.68	GI338	GL11
	GL6-S2525PFR-32-100	25	5	25	25	170	6.00	32	100	0.75	GI338	GL11
L	GL2-S2020KFL-20-80	20	–	20	20	125	2.00	20	80	0.38	GI334	GL11
	GL2-S2020KFL-24-80	20	5	20	20	125	2.00	24	80	0.36	GI334	GL11
	GL2-S2525MFL-20-80	25	–	25	25	150	2.00	20	80	0.70	GI334	GL11
	GL2-S2525MFL-24-80	25	–	25	25	150	2.00	24	80	0.64	GI334	GL11
	GL3-S2020KFL-20-80	20	–	20	20	125	3.00	20	80	0.38	GI335	GL11
	GL3-S2020KFL-24-80	20	5	20	20	125	3.00	24	80	0.36	GI335	GL11
	GL3-S2525MFL-20-80	25	–	25	25	150	3.00	20	80	0.68	GI335	GL11

	Producto	HF (mm)	HBH (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	CUTDIA (mm)	kg		
L	**GL3-S2525MFL-24-80**	25	–	25	25	150	3.00	24	80	0.65	GI335	GL11
	GL3-S2525PFL-32-80	25	5	25	25	170	3.00	32	80	0.78	GI335	GL11
	GL4-S2020KFL-20-80	20	–	20	20	125	4.00	20	80	0.38	GI336	GL11
	GL4-S2020KFL-24-80	20	5	20	20	125	4.00	24	80	0.37	GI336	GL11
	GL4-S2525MFL-20-80	25	–	25	25	150	4.00	20	80	0.68	GI336	GL11
	GL4-S2525MFL-24-80	25	–	25	25	150	4.00	24	80	0.65	GI336	GL11
	GL4-S2525PFL-32-80	25	5	25	25	170	4.00	32	80	0.72	GI336	GL11
	GL5-S2020KFL-20-80	20	–	20	20	125	5.00	20	80	0.38	GI337	GL11
	GL5-S2525MFL-20-80	25	–	25	25	150	5.00	20	80	0.71	GI337	GL11
	GL5-S2525PFL-32-100	25	5	25	25	170	5.00	32	100	0.75	GI337	GL11
	GL6-S2020KFL-20-80	20	–	20	20	125	6.00	20	80	0.39	GI338	GL11
	GL6-S2525MFL-20-80	25	–	25	25	150	6.00	20	80	0.71	GI338	GL11
	GL6-S2525PFL-32-100	25	5	25	25	170	6.00	32	100	0.75	GI338	GL11

GI334	GL2..
GI335	GL3..
GI336	GL4..
GI337	GL5..
GI338	GL6..

		Nm			
GL11	US 5018-T20P	5.0	M 5	18.2	LK T20P

Profundidad de corte en diámetro mecanizado en la página 416.

NEW

GLSF(RL) EXT-G

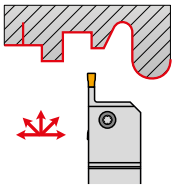
P M K N S H

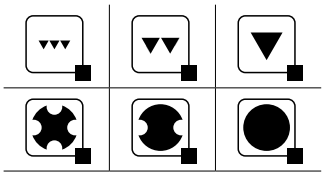
PRAMET

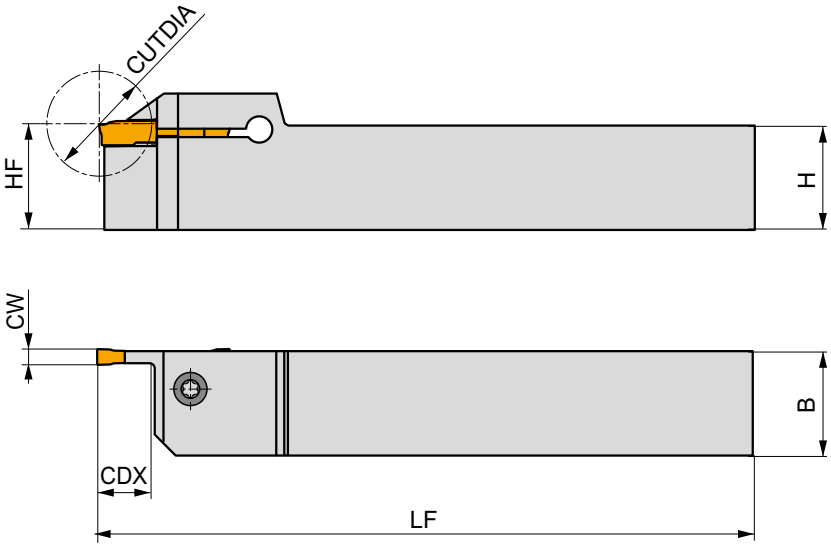
G

Herramienta de Ranurado Exterior y Torneado con Fijación Superior y Ranura en V para Plaquitas GL

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado con plaquitas de doble filo GL 2, 3, 4, 5 o 6. Adecuado para aplicaciones de ranurado radial, torneado longitudinal y perfilado hasta una profundidad máxima de 12 mm. Disponible con mangos de 20x20 y 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	CUTDIA (mm)	kg		
R	GL2-S2020KFR-10	20	20	20	125	2.00	10	20	0.38	GI334	GL11
	GL2-S2525MFR-10	25	25	25	150	2.00	10	20	0.69	GI334	GL11
	GL3-S2020KFR-10	20	20	20	125	3.00	10	20	0.36	GI335	GL11
	GL3-S2525MFR-10	25	25	25	150	3.00	10	20	0.69	GI335	GL11
	GL4-S2020KFR-12	20	20	20	125	4.00	12	24	0.37	GI336	GL11
	GL4-S2525MFR-12	25	25	25	150	4.00	12	24	0.69	GI336	GL11
	GL5-S2020KFR-12	20	20	20	125	5.00	12	24	0.36	GI337	GL11
	GL5-S2525MFR-12	25	25	25	150	5.00	12	24	0.70	GI337	GL11
	GL6-S2020KFR-12	20	20	20	125	6.00	12	24	0.36	GI338	GL11
	GL6-S2525MFR-12	25	25	25	150	6.00	12	24	0.68	GI338	GL11
L	GL2-S2020KFL-10	20	20	20	125	2.00	10	20	0.37	GI334	GL11
	GL2-S2525MFL-10	25	25	25	150	2.00	10	20	0.70	GI334	GL11
	GL3-S2020KFL-10	20	20	20	125	3.00	10	20	0.36	GI335	GL11
	GL3-S2525MFL-10	25	25	25	150	3.00	10	20	0.70	GI335	GL11
	GL4-S2020KFL-12	20	20	20	125	4.00	12	24	0.37	GI336	GL11
	GL4-S2525MFL-12	25	25	25	150	4.00	12	24	0.69	GI336	GL11
	GL5-S2020KFL-12	20	20	20	125	5.00	12	24	0.36	GI337	GL11
	GL5-S2525MFL-12	25	25	25	150	5.00	12	24	0.69	GI337	GL11
	GL6-S2020KFL-12	20	20	20	125	6.00	12	24	0.36	GI338	GL11
	GL6-S2525MFL-12	25	25	25	150	6.00	12	24	0.68	GI338	GL11

GI334	GL2..
GI335	GL3..
GI336	GL4..
GI337	GL5..
GI338	GL6..

		Nm			
GL11	US 5018-T20P	5.0	M 5	18.2	LKT20P

NEW

GLSF(RL) EXT-S

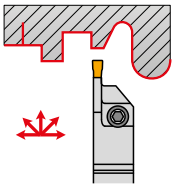
P M K N S H

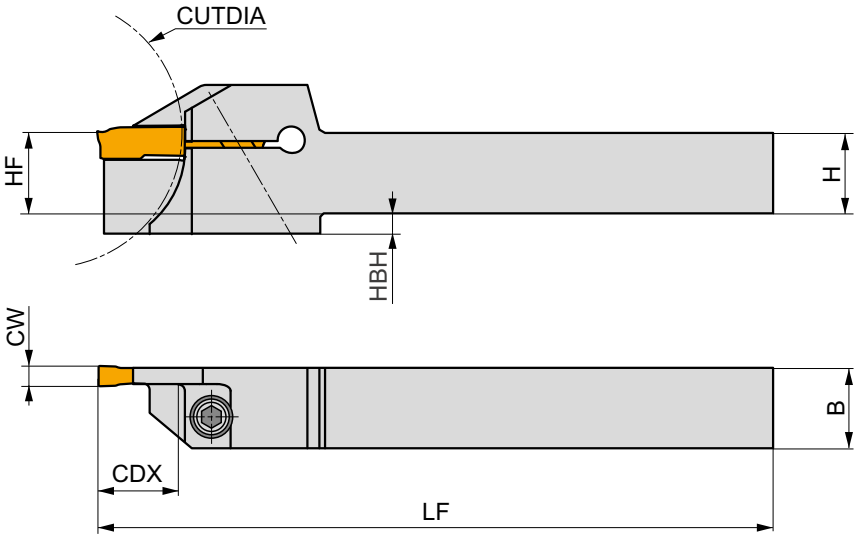
PRAMET

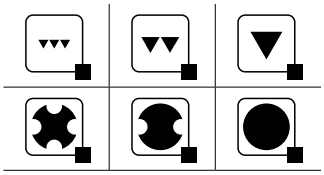
G

Herramienta de Tronzado y Ranurado Exterior para Plaquitas GL para Máquinas de Cabezal Móvil

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado en máquinas de cabezal móvil con plaquitas GL con tamaños de asiento de 2, 3 y 4. Para aplicaciones de ranurado radial, perfilado y tronzado hasta una profundidad máxima de 16 mm. Disponible con mangos de 12x12 y 16x16 mm. Cuerpo reforzado para una vida útil más larga, bajas vibraciones y diseño de fácil acceso.







	Producto	HF (mm)	HBH (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	CUTDIA (mm)	kg		
R	**GL2-S1212HFR-12-40**	12	3	12	12	100	2.00	12	40	0.11	GI334	GL13
	GL2-S1616KFR-16-45	16	3	16	16	125	2.00	16	45	0.23	GI334	GL12
	GL3-S1212HFR-12-40	12	3	12	12	100	3.00	12	40	0.11	GI335	GL13
	GL3-S1616KFR-16-45	16	3	16	16	125	3.00	16	45	0.23	GI335	GL12
	GL4-S1616KFR-16-45	16	4	16	16	125	4.00	16	45	0.26	GI336	GL12
L	**GL2-S1212HFL-12-40**	12	3	12	12	100	2.00	12	40	0.11	GI334	GL13
	GL2-S1616KFL-16-45	16	3	16	16	125	2.00	16	45	0.23	GI334	GL12
	GL3-S1212HFL-12-40	12	3	12	12	100	3.00	12	40	0.11	GI335	GL13
	GL3-S1616KFL-16-45	16	3	16	16	125	3.00	16	45	0.23	GI335	GL12
	GL4-S1616KFL-16-45	16	4	16	16	125	4.00	16	45	0.24	GI336	GL12

GI334	GL2..
GI335	GL3..
GI336	GL4..

		Nm			
GL12	HS 0516	5.0	M 5	16	HXK 4
GL13	HS 0412	5.0	M 4	12	HXK 3

Profundidad de corte en diámetro mecanizado en la página 416.

NEW

GLS B

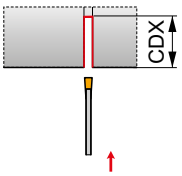
P M K N S H

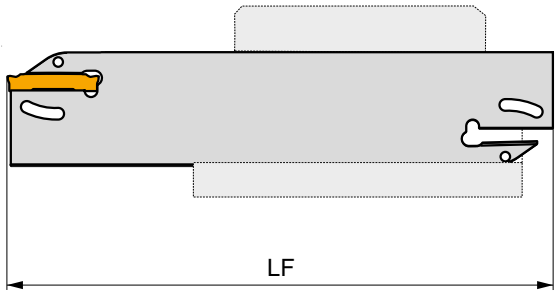
PRAMET

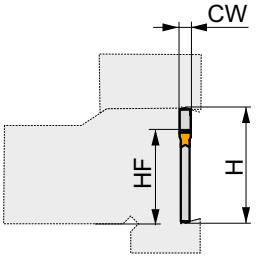
X

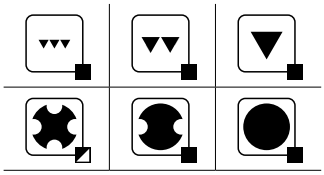
Lama de Tronzado con Dos Posiciones para Plaquitas GL

Lama para aplicaciones de tronzado hasta 60 mm de profundidad máxima o barra de Ø120 mm. Adecuado para plaquitas de doble filo GL. Disponible en alturas de 26 y 32. Se puede colocar en los soportes básicos Pramet DU. Lama tratada para una mayor vida útil de la herramienta.









Producto	HF (mm)	H (mm)	LF (mm)	CW (mm)	CDX (mm)	kg		
GL2-S26KB	21.4	26	125	2.00	35	0.13	GI334	KV2
GL2-S32MB	25	32	150	2.00	50	0.15	GI334	KV2
GL3-S26KB	21.4	26	125	3.00	35	0.15	GI335	KV2
GL3-S32MB	25	32	150	3.00	50	0.16	GI335	KV2
GL4-S32MB	25	32	150	4.00	50	0.16	GI336	KV2
GL5-S32MB	25	32	150	5.00	60	0.16	GI337	KV2
GL6-S32MB	25	32	150	6.00	60	0.16	GI338	KV2

GI334	GL2..
GI335	GL3..
GI336	GL4..
GI337	GL5..
GI338	GL6..

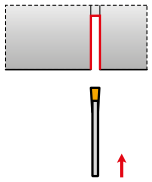
KV2	KV 15x150

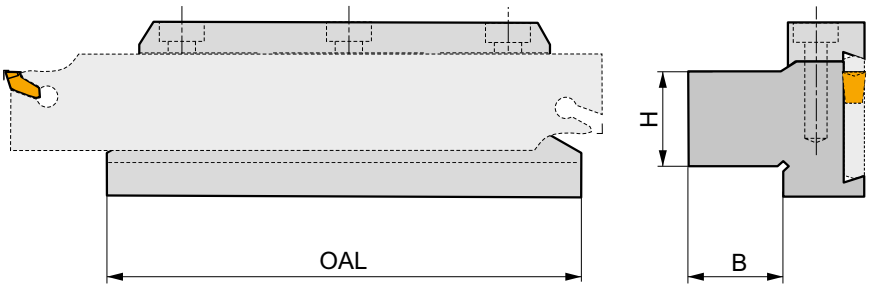
DU, D

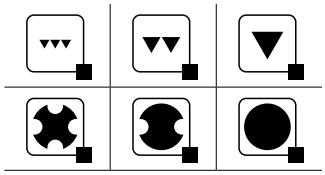
PRAMET

Bloque Portalamas para Lamas de Tronzado

Portaherramientas para lamas de tronzado GL o XLC. Disponible con mangos de 20x20 hasta 40x40. Cuerpo tratado para una vida útil más larga.







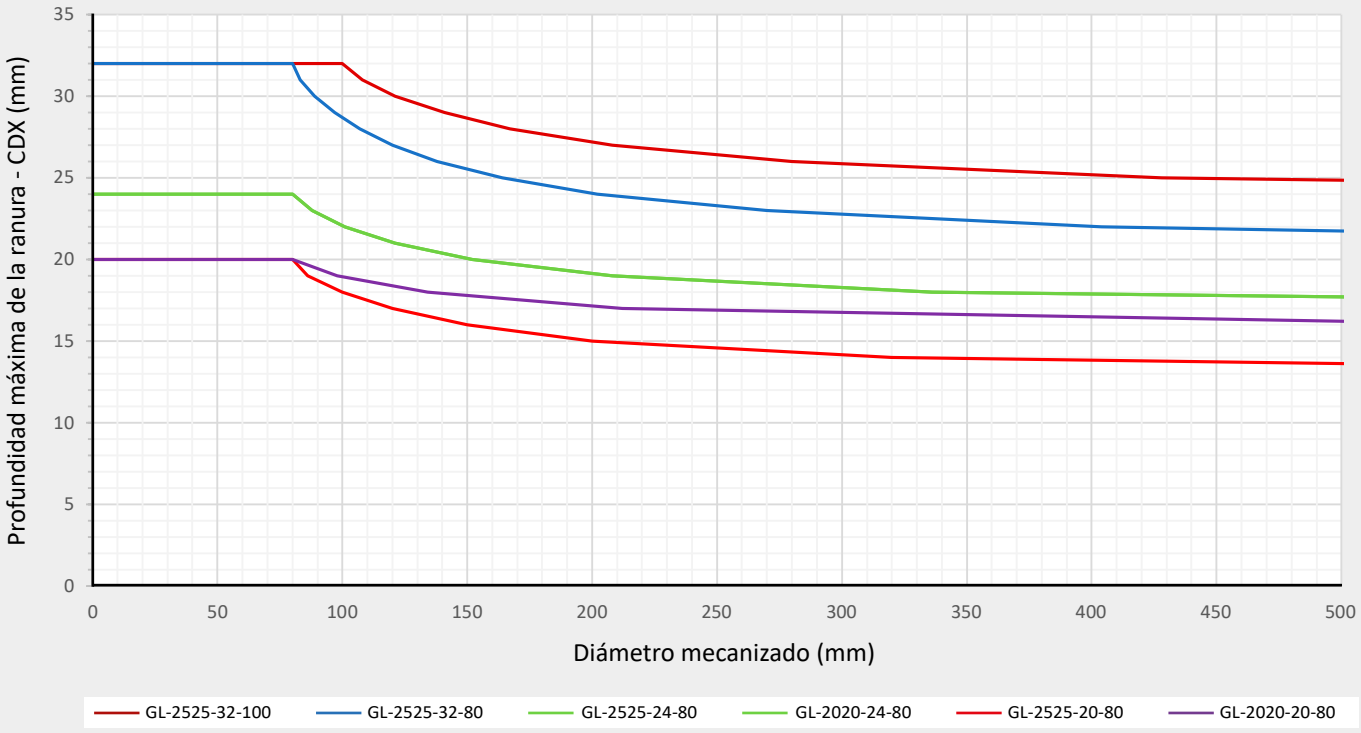
Producto	H (mm)	B (mm)	OAL (mm)	kg		
26-DU 2020	20	20	90	0.70	GI007	ND2
26-D 2020	20	20	100	0.82	GI007	ND2
32-DU 2523	25	23	110	1.02	GI008	ND2
32-DU 2532	25	32	110	1.10	GI008	ND2
32-DU 3229	32	29	110	1.25	GI008	ND2
32-D 2530	25	30	115	1.30	GI008	ND2
45-DU 3229	32	29	110	1.50	GI009	ND7
45-DU 4036	40	36	110	2.05	GI009	ND7
47-D 4040	40	40	150	3.88	GI091	ND3

GI007	XLC.N 26..	GL.-S26.B
GI008	XLC.N 32..	GL.-S32.B
GI009	XLC.N 45..	–
GI091	XLC.N 47..	–

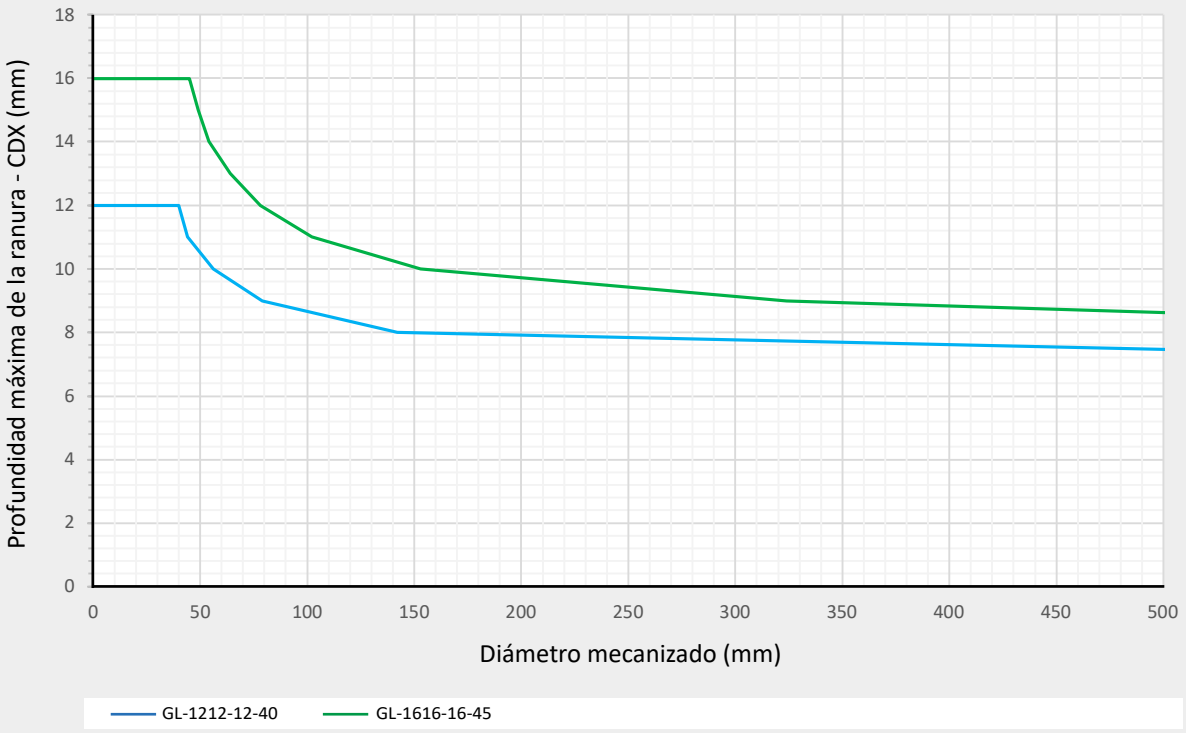
		Nm			
ND2	HS 0625	6.0	M 6	25	HXK 5
ND3	HS 1030	8.0	M 10	30	HXK 8
ND7	HS 0630	6.0	M 6	30	HXK 5

PROFUNDIDADES DE CORTE EN FUNCIÓN DEL DIÁMETRO MECANIZADO

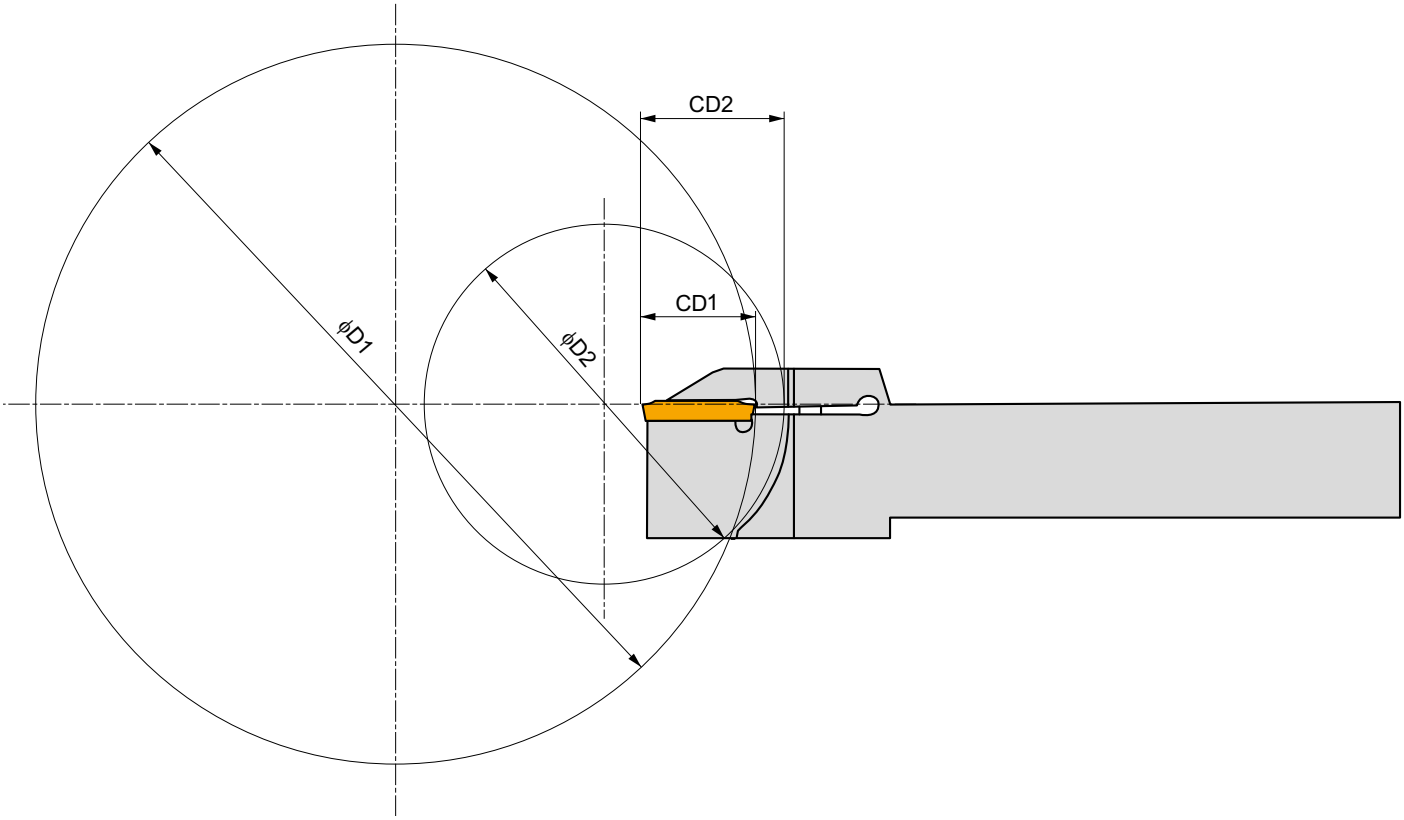
GLSF (RL) EXT



GLSF (RL) EXT-S



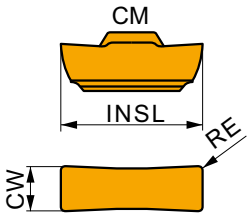
PROFUNDIDADES DE CORTE EN FUNCIÓN DEL DIÁMETRO MECANIZADO



LCMF 13 - CM

PRAMET

	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

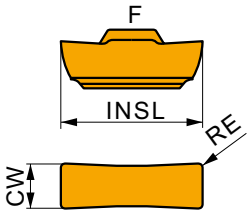
Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	PSIRR (°)	PSIRL (°)
			E													
			Geometría CM, primera opción para ranurado.													
LCMF 031304-CM	**T8330**	0.4	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMF 031304-CM-04	**T8330**[1)]	0.4	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMF 041304-CM	**T8330**	0.4	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–

[1)] Inserto para soporte interno A16Q-GGERIL0313-04, A20R-GGFRIL0313-04.

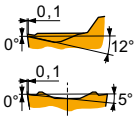
LCMF 13 - F

PRAMET

	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

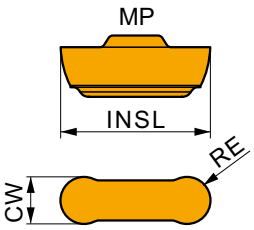
Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			U			S														
			Geometría F, primera elección para torneado.																	
LCMF 031302-F	**T8330**	0.2	195	0.10	0.3	115	0.09	0.3	185	0.10	0.3	–	–	–	–	–	–	–	–	–
LCMF 031302-F-04	**T8330**[1)]	0.2	195	0.10	0.3	115	0.09	0.3	185	0.10	0.3	–	–	–	–	–	–	–	–	–
LCMF 031304-F	**T8330**	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	–	–	–	–	–	–	–	–	–
LCMF 031304-F-04	**T8330**[1)]	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	–	–	–	–	–	–	–	–	–
LCMF 041304-F	**T8330**	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	–	–	–	–	–	–	–	–	–
	T9325	0.4	275	0.13	0.5	165	0.12	0.5	260	0.13	0.5	–	–	–	–	–	–	–	–	–

[1)] Inserto para soporte interno A16Q-GGERIL0313-04, A20R-GGFRIL0313-04.

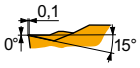
LCMF 13 - MP

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
LCMF 0313MO-MP	**T8330**	1.5	■ 190	0.30	0.8	◪ 110	0.27	0.8	■ 180	0.30	0.8	–	–	–	–	–	–	–	–	–
LCMF 0313MO-MP-04	**T8330**[1)]	1.5	■ 190	0.30	0.8	◪ 110	0.27	0.8	■ 180	0.30	0.8	–	–	–	–	–	–	–	–	–
LCMF 0413MO-MP	**T8330**	2.0	■ 175	0.40	1.0	◪ 105	0.36	1.0	■ 165	0.40	1.0	–	–	–	–	–	–	–	–	–

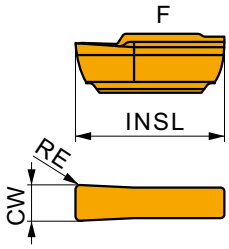
Geometría MP para torneado longitudinal y perfilado en copia, acabado y acabado fino con corte contínuo a interrumpido.

[1)] Inserto para soporte interno A16Q-GGERIL0313-04, A20R-GGFRIL0313-04.

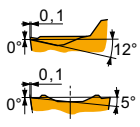
LCMR 13 - F

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

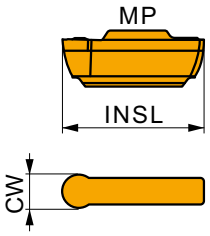
Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
LCMR 031304-F	**T8330**	0.4	■ 185	0.13	0.5	◪ 110	0.12	0.5	◪ 175	0.13	0.5	–	–	–	–	–	–	–	–	–
LCMR 041304-F	**T8330**	0.4	■ 185	0.13	0.5	◪ 110	0.12	0.5	◪ 175	0.13	0.5	–	–	–	–	–	–	–	–	–

Geometría F para ranurado y torneado, acabado y acabado fino con corte contínuo y ligeramente interrumpido.

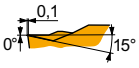
LCMR 13 - MP

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría MP para torneado longitudinal y perfilado en copia, con corte contínuo a interrumpido.																	
LCMR 0313M0-MP	**T8330**	1.5	190	0.30	0.8	110	0.27	0.8	180	0.30	0.8	–	–	–	–	–	–	–	–	–
LCMR 0413M0-MP	**T8330**	2.0	175	0.40	1.0	105	0.36	1.0	165	0.40	1.0	–	–	–	–	–	–	–	–	–

GG.(RL) INT

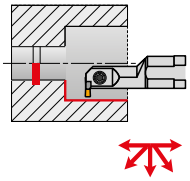
P M K N S H

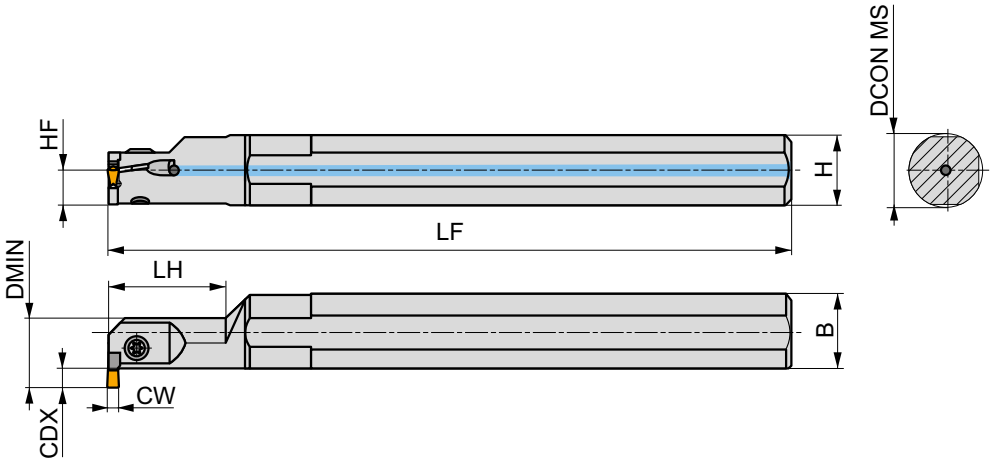
PRAMET

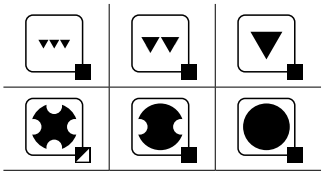
G

Portaherramientas de Ranurado Interior para Plaquitas LCM.

Portaherramientas de interior a derecha o izquierda para ranurado con plaquitas LCM. 0313 y 0413. Agujero mínimo de Ø16 mm. Adecuado para aplicaciones de ranurado interior y torneado interior multidireccional. Disponible con mangos de Ø16 hasta Ø32 mm. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	HF (mm)	H (mm)	B (mm)	LF (mm)	LH (mm)	CW (mm)	CDX (mm)	DMIN (mm)		kg		
R	A16Q-GGER 0313	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.26	GI143	GL06
	A16Q-GGER 0313-04	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.26	GI190	GL06
	A20R-GGFR 0313	20	9	18	19	200	30	3.00	4.5	20	✓	0.36	GI143	GL06
	A20R-GGFR 0313-04	20	9	18	19	200	30	3.00	4.5	20	✓	0.39	GI190	GL06
	A25S-GGHR 0313	25	11.5	23	24	250	40	3.00	6.5	25	✓	0.78	GI143	GL06
	A25S-GGFR 0413	25	11.5	23	24	250	40	4.00	6.5	25	✓	0.73	GI170	GL06
	A32T-GGHR 0413	32	15	30	31	300	50	4.00	9.5	32	✓	1.59	GI170	GL06
L	A16Q-GGEL 0313	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.29	GI143	GL06
	A16Q-GGEL 0313-04	16	7.5	15	15.5	180	25	3.00	3	16	✓	0.28	GI190	GL06
	A20R-GGFL 0313	20	9	18	19	200	30	3.00	4.5	20	✓	0.38	GI143	GL06
	A20R-GGFL 0313-04	20	9	18	19	200	30	3.00	4.5	20	✓	0.38	GI190	GL06
	A25S-GGHL 0313	25	11.5	23	24	250	40	3.00	6.5	25	✓	0.81	GI143	GL06
	A25S-GGFL 0413	25	11.5	23	24	250	40	4.00	6.5	25	✓	0.82	GI170	GL06
	A32T-GGHL 0413	32	15	30	31	300	50	4.00	9.5	32	✓	1.59	GI170	GL06

GI143	LCM. 0313..
GI170	LCM. 0413..
GI190	LCM. 0313…..-04

		Nm			
GL06	SR 85011-T15P	5.0	M 5	9	FLAG T15P

GFIL-L AXIAL

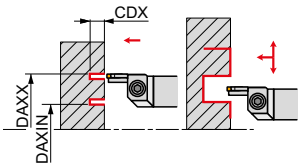
P M K N S H

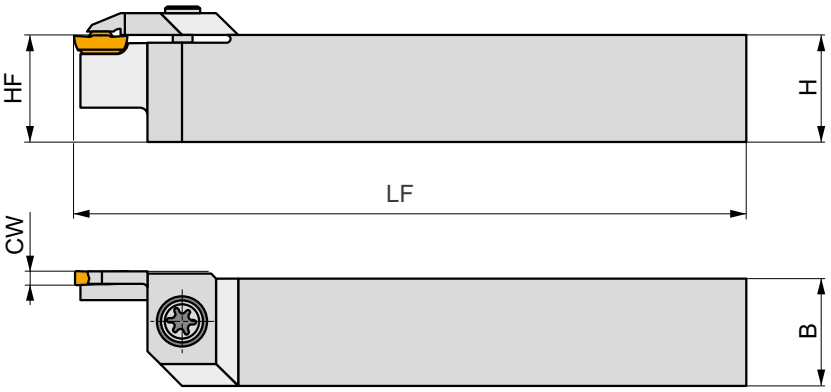
PRAMET

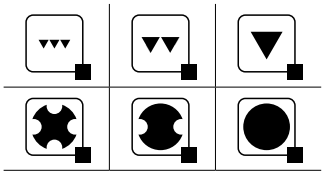
G

Herramienta de Ranurado Axial con Fijación Superior y Ranura en V para Plaquitas LCM. 03

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0313 o 0316 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø170 mm con una profundidad máxima de corte de 9 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	**GFIL 2525 M 0313L 030017**	25	25	25	150	3.00	9	17	30	0.64	GI143	GL02
	GFIL 2525 M 0313L 039024	25	25	25	150	3.00	9	24	39	0.66	GI143	GL07
	GFIL 2525 M 0313L 050033	25	25	25	150	3.00	9	33	50	0.67	GI143	GL07
	GFIL 2525 M 0313L 060043	25	25	25	150	3.00	9	43	60	0.67	GI143	GL07
	GFIL 2525 M 0313L 076053	25	25	25	150	3.00	9	53	76	0.67	GI143	GL07
	GFIL 2525 M 0316L 100070	25	25	25	150	3.00	9	70	100	0.69	GI136	GL07
	GFIL 2525 M 0316L 130090	25	25	25	150	3.00	9	90	130	0.70	GI136	GL07
	GFIL 2525 M 0316L 170110	25	25	25	150	3.00	9	110	170	0.71	GI136	GL07

GI136	LCM. 0316..
GI143	LCM. 0313..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GFIL-R AXIAL

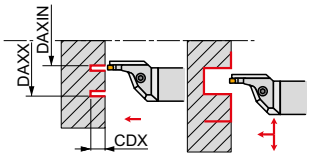
P M K N S H

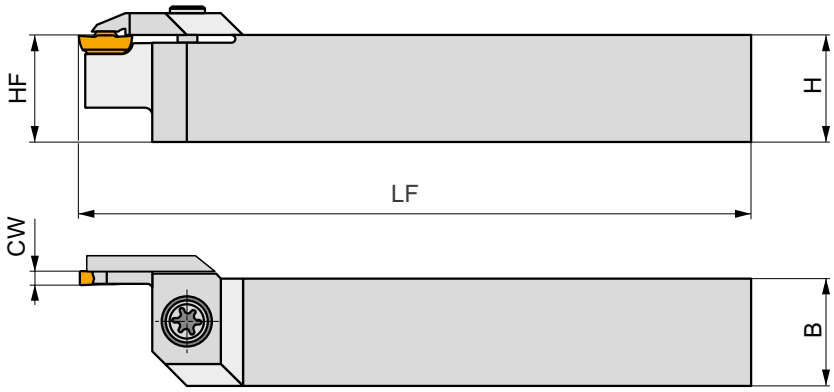
PRAMET

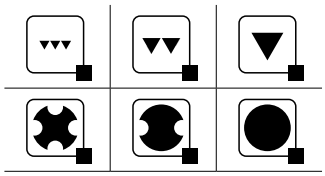
G

Herramienta de Ranurado Axial con Fijación Superior y Ranura en V para Plaquitas LCM. 03 o 04

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0313, 0316, 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 12 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	GFIL 2525 M 03R 030017-A	25	25	25	150	3.00	9	17	30	0.69	GI143	GL07
	GFIL 2525 M 03R 039024-A	25	25	25	150	3.00	9	24	39	0.69	GI143	GL07
	GFIL 2525 M 03R 050033-A	25	25	25	150	3.00	9	33	50	0.72	GI143	GL07
	GFIL 2525 M 03R 060043-A	25	25	25	150	3.00	9	43	60	0.69	GI143	GL07
	GFIL 2525 M 03R 076053-A	25	25	25	150	3.00	9	53	76	0.68	GI143	GL07
	GFIL 2525 M 03R 100070-A	25	25	25	150	3.00	9	70	100	0.79	GI136	GL08
	GFIL 2525 M 03R 130090-A	25	25	25	150	3.00	9	90	130	0.73	GI136	GL08
	GFIL 2525 M 03R 170110-A	25	25	25	150	3.00	9	110	170	0.76	GI136	GL08
	GFIL 2525 M 04R 030017-A	25	25	25	150	3.00	9	17	30	0.71	GI170	GL07
	GFIL 2525 M 04R 034021-A	25	25	25	150	4.00	9	21	34	0.69	GI170	GL07
	GFIL 2525 M 04R 040026-A	25	25	25	150	4.00	11	26	40	0.00	GI170	GL07
	GFIL 2525 M 04R 050032-A	25	25	25	150	4.00	11	32	50	0.68	GI170	GL07
	GFIL 2525 M 04R 060042-A	25	25	25	150	4.00	11	42	60	0.66	GI170	GL07
	GFIL 2525 M 04R 075052-A	25	25	25	150	4.00	11	52	75	0.67	GI170	GL07
	GFIL 2525 M 04R 100070-A	25	25	25	150	4.00	12	70	100	0.75	GI137	GL08
	GFIL 2525 M 04R 130090-A	25	25	25	150	4.00	12	90	130	0.75	GI137	GL08
	GFIL 2525 M 04R 170110-A	25	25	25	150	4.00	12	110	170	0.75	GI137	GL08
	GFIL 2525 M 04R 230140-A	25	25	25	150	4.00	12	140	230	0.78	GI137	GL08

GI136	LCM. 0316..
GI137	LCM. 0416..
GI143	LCM. 0313..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

GFIR-L AXIAL

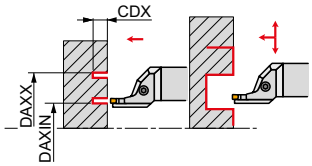
P M K N S H

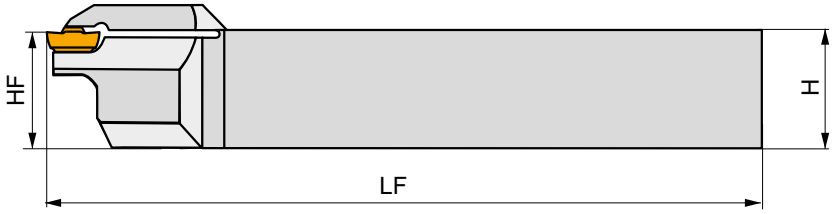
PRAMET

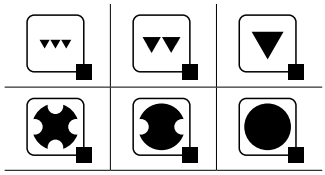
G

Herramienta de Ranurado Axial Exterior con Fijacion Superior y Ranura en V para Plaquitas LCM. 03 o 04

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0313, 0316, 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 12 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GFIR 2525 M 03L 030017-A	25	25	25	150	3.00	9	17	30	0.65	GI143	GL07
	GFIR 2525 M 03L 039024-A	25	25	25	150	3.00	9	24	39	0.68	GI143	GL07
	GFIR 2525 M 03L 050033-A	25	25	25	150	3.00	9	33	50	0.65	GI143	GL07
	GFIR 2525 M 03L 060043-A	25	25	25	150	3.00	9	43	60	0.68	GI143	GL07
	GFIR 2525 M 03L 076053-A	25	25	25	150	3.00	9	53	76	0.69	GI143	GL07
	GFIR 2525 M 03L 100070-A	25	25	25	150	3.00	9	70	100	0.75	GI136	GL08
	GFIR 2525 M 03L 130090-A	25	25	25	150	3.00	9	90	130	0.76	GI136	GL08
	GFIR 2525 M 03L 170110-A	25	25	25	150	3.00	9	110	170	0.68	GI136	GL08
	GFIR 2525 M 04L 030017-A	25	25	25	150	3.00	9	17	30	0.68	GI170	GL07
	GFIR 2525 M 04L 034021-A	25	25	25	150	4.00	9	21	34	0.68	GI170	GL07
	GFIR 2525 M 04L 040026-A	25	25	25	150	4.00	11	26	40	0.68	GI170	GL07
	GFIR 2525 M 04L 050032-A	25	25	25	150	4.00	11	32	50	0.66	GI170	GL07
	GFIR 2525 M 04L 060042-A	25	25	25	150	4.00	11	42	60	0.69	GI170	GL07
	GFIR 2525 M 04L 075052-A	25	25	25	150	4.00	11	52	75	0.67	GI170	GL07
	GFIR 2525 M 04L 100070-A	25	25	25	150	4.00	12	70	100	0.72	GI137	GL08
	GFIR 2525 M 04L 130090-A	25	25	25	150	4.00	12	90	130	0.75	GI137	GL08
	GFIR 2525 M 04L 170110-A	25	25	25	150	4.00	12	110	170	0.72	GI137	GL08
	GFIR 2525 M 04L 230140-A	25	25	25	150	4.00	12	140	230	0.79	GI137	GL08

GI136	LCM. 0316..
GI137	LCM. 0416..
GI143	LCM. 0313..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

GFIR-R AXIAL

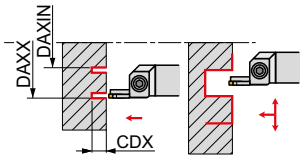
P M K N S H

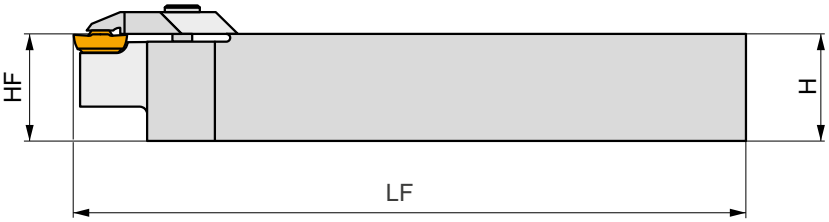
PRAMET

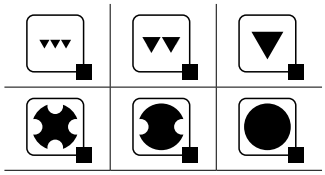
G

Herramienta de Ranurado Axial Exterior con Fijacion Superior y Ranura en V para Plaquitas LCM. 03

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0313 o 0316 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø170 mm con una profundidad máxima de corte de 9 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	**GFIR 2525 M 0313R 030017**	25	25	25	150	3.00	9	17	30	0.65	GI143	GL02
	GFIR 2525 M 0313R 039024	25	25	25	150	3.00	9	24	39	0.66	GI143	GL07
	GFIR 2525 M 0313R 050033	25	25	25	150	3.00	9	33	50	0.68	GI143	GL07
	GFIR 2525 M 0313R 060043	25	25	25	150	3.00	9	43	60	0.68	GI143	GL07
	GFIR 2525 M 0313R 076053	25	25	25	150	3.00	9	53	76	0.68	GI143	GL07
	GFIR 2525 M 0316R 100070	25	25	25	150	3.00	9	70	100	0.69	GI136	GL07
	GFIR 2525 M 0316R 130090	25	25	25	150	3.00	9	90	130	0.70	GI136	GL07
	GFIR 2525 M 0316R 170110	25	25	25	150	3.00	9	110	170	0.70	GI136	GL07

GI136	LCM. 0316..
GI143	LCM. 0313..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GFML-L AXIAL

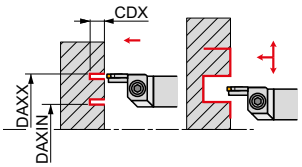
P M K N S H

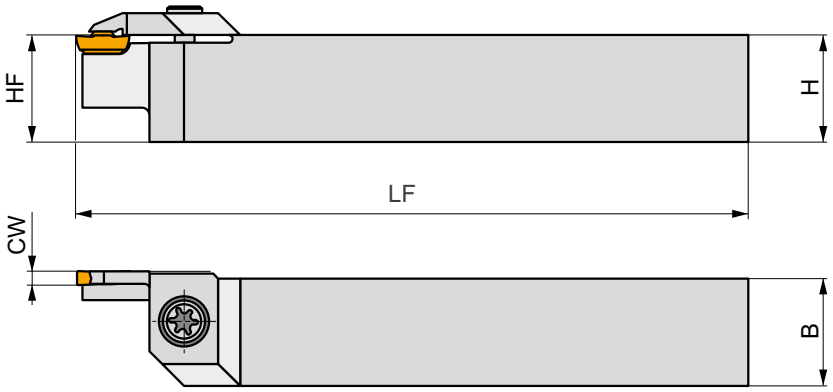
PRAMET

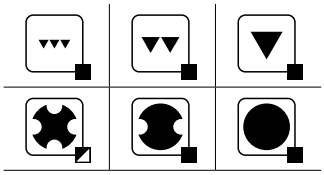
G

Herramienta de Ranurado Axial Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial profundo, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	**GFML 2525 M 0413L 030017**	25	25	25	150	4.00	20	17	30	0.62	GI170	GL02
	GFML 2525 M 0413L 034021	25	25	25	150	4.00	20	21	34	0.63	GI170	GL07
	GFML 2525 M 0413L 040026	25	25	25	150	4.00	20	26	40	0.65	GI170	GL07
	GFML 2525 M 0413L 050032	25	25	25	150	4.00	20	32	50	0.64	GI170	GL07
	GFML 2525 M 0413L 060042	25	25	25	150	4.00	20	42	60	0.65	GI170	GL07
	GFML 2525 M 0413L 075052	25	25	25	150	4.00	20	52	75	0.66	GI170	GL07
	GFML 2525 M 0416L 100070	25	25	25	150	4.00	20	70	100	0.66	GI137	GL07
	GFML 2525 M 0416L 130090	25	25	25	150	4.00	20	90	130	0.67	GI137	GL07
	GFML 2525 M 0416L 170110	25	25	25	150	4.00	20	110	170	0.67	GI137	GL07
	GFML 2525 M 0416L 230140	25	25	25	150	4.00	20	140	230	0.67	GI137	GL07

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GFML-R AXIAL

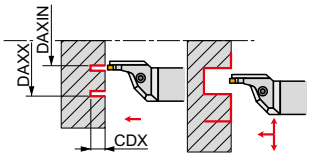
P M K N S H

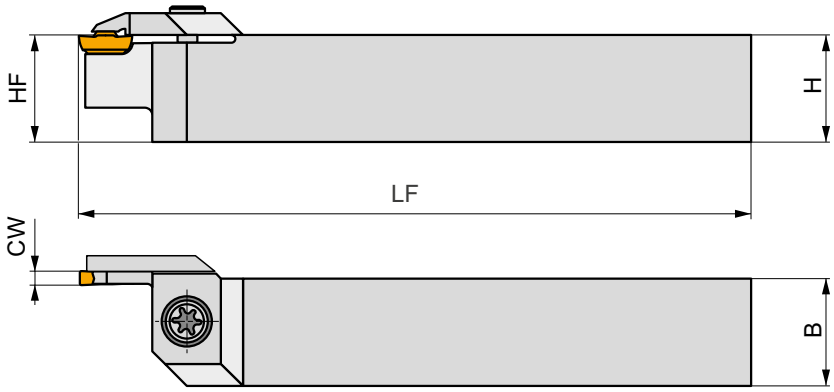
PRAMET

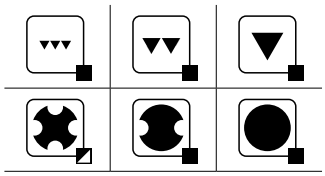
G

Herramienta de Ranurado Axial Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial profundo, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	GFML 2525 M 0413R 030017	25	25	25	150	4.00	20	17	30	0.68	GI170	GL07
	GFML 2525 M 0413R 034021	25	25	25	150	4.00	20	21	34	0.69	GI170	GL07
	GFML 2525 M 0413R 040026	25	25	25	150	4.00	20	26	40	0.69	GI170	GL07
	GFML 2525 M 0413R 050032	25	25	25	150	4.00	20	32	50	0.68	GI170	GL07
	GFML 2525 M 0413R 060042	25	25	25	150	4.00	20	42	60	0.69	GI170	GL07
	GFML 2525 M 0413R 075052	25	25	25	150	4.00	20	52	75	0.69	GI170	GL07
	GFML 2525 M 0416R 100070	25	25	25	150	4.00	20	70	100	0.80	GI137	GL08
	GFML 2525 M 0416R 130090	25	25	25	150	4.00	20	90	130	0.78	GI137	GL08
	GFML 2525 M 0416R 170110	25	25	25	150	4.00	20	110	170	0.78	GI137	GL08
	GFML 2525 M 0416R 230140	25	25	25	150	4.00	20	140	230	0.78	GI137	GL08

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

GFMR-L AXIAL

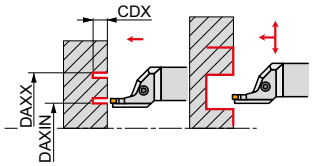
P M K N S H

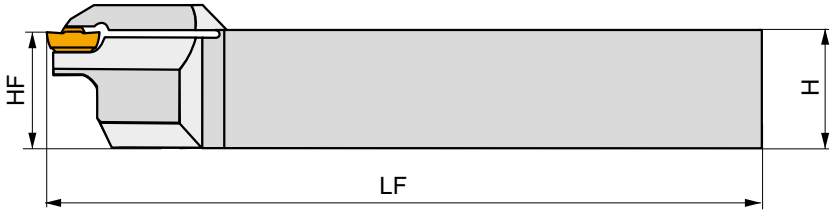
PRAMET

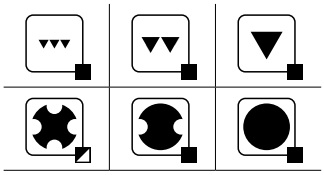
G

Herramienta de Ranurado Axial Exterior con Fijacion Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial profundo, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GFMR 2525 M 0413L 030017	25	25	25	150	4.00	20	17	30	0.70	GI170	GL07
	GFMR 2525 M 0413L 034021	25	25	25	150	4.00	20	21	34	0.66	GI170	GL07
	GFMR 2525 M 0413L 040026	25	25	25	150	4.00	20	26	40	0.66	GI170	GL07
	GFMR 2525 M 0413L 050032	25	25	25	150	4.00	20	32	50	0.68	GI170	GL07
	GFMR 2525 M 0413L 060042	25	25	25	150	4.00	20	42	60	0.66	GI170	GL07
	GFMR 2525 M 0413L 075052	25	25	25	150	4.00	20	52	75	0.69	GI170	GL07
	GFMR 2525 M 0416L 100070	25	25	25	150	4.00	20	70	100	0.88	GI137	GL08
	GFMR 2525 M 0416L 130090	25	25	25	150	4.00	20	90	130	0.78	GI137	GL08
	GFMR 2525 M 0416L 170110	25	25	25	150	4.00	20	110	170	0.81	GI137	GL08
	GFMR 2525 M 0416L 230140	25	25	25	150	4.00	20	140	230	0.78	GI137	GL08

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

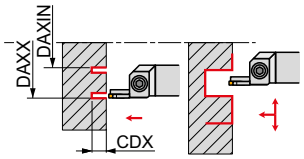
GFMR-R AXIAL

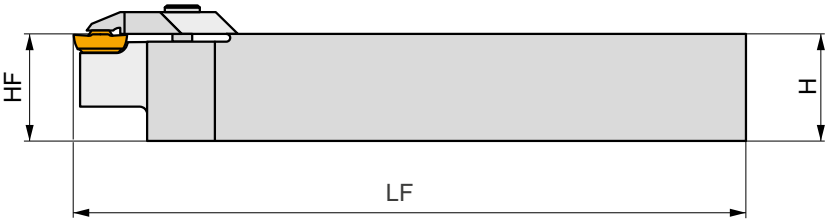
P M K N S H

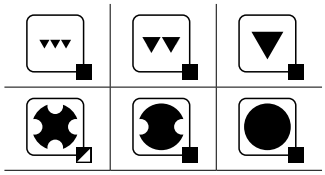
PRAMET G

Herramienta de Ranurado Axial Exterior con Fijacion Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GFMR 2525 M 0413R 030017	25	25	25	150	4.00	20	17	30	0.62	GI170	GL02
	GFMR 2525 M 0413R 034021	25	25	25	150	4.00	20	21	34	0.63	GI170	GL07
	GFMR 2525 M 0413R 040026	25	25	25	150	4.00	20	26	40	0.64	GI170	GL07
	GFMR 2525 M 0413R 050032	25	25	25	150	4.00	20	32	50	0.63	GI170	GL07
	GFMR 2525 M 0413R 060042	25	25	25	150	4.00	20	42	60	0.64	GI170	GL07
	GFMR 2525 M 0413R 075052	25	25	25	150	4.00	20	52	75	0.67	GI170	GL07
	GFMR 2525 M 0416R 100070	25	25	25	150	4.00	20	70	100	0.67	GI137	GL07
	GFMR 2525 M 0416R 130090	25	25	25	150	4.00	20	90	130	0.66	GI137	GL07
	GFMR 2525 M 0416R 170110	25	25	25	150	4.00	20	110	170	0.67	GI137	GL07
	GFMR 2525 M 0416R 230140	25	25	25	150	4.00	20	140	230	0.68	GI137	GL07

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GGI(RL)-90 AXIAL

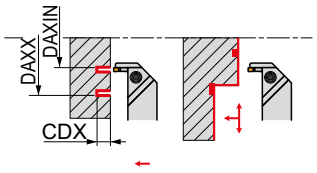
P M K N S H

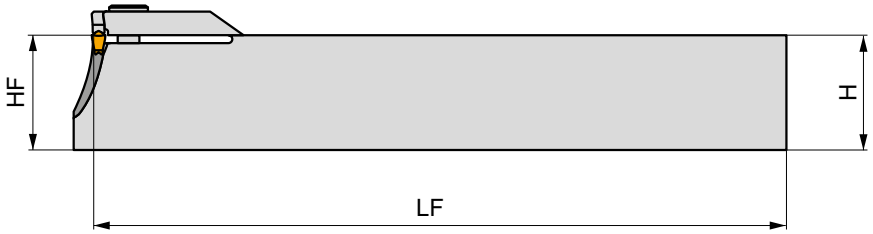
PRAMET

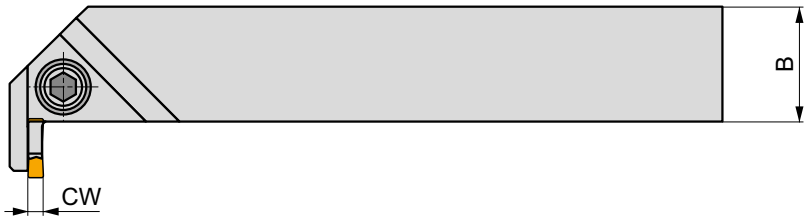
G

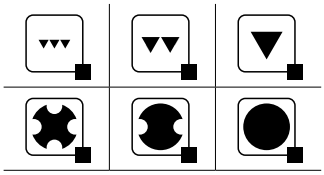
Herramienta de Ranurado Axial Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 03

Portaherramientas de exterior a 90° a derecha o izquierda, para ranurado frontal con plaquitas LCM. 0313 o 0316 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø170 mm con una profundidad máxima de corte de 11 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.









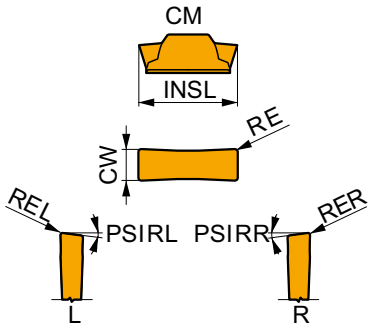
	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GGIR 2525 M 03R 030017	25	25	25	150	3.00	9.5	17	30	0.75	GI143	GL01
	GGIR 2525 M 03R 039024	25	25	25	150	3.00	9.5	24	39	0.78	GI143	GL01
	GGIR 2525 M 03R 050033	25	25	25	150	3.00	11	33	50	0.75	GI143	GL01
	GGIR 2525 M 03R 060043	25	25	25	150	3.00	11	43	60	0.78	GI143	GL01
	GGIR 2525 M 03R 076053	25	25	25	150	3.00	11	53	76	0.75	GI143	GL01
	GGIR 2525 M 03R 100070	25	25	25	150	3.00	9	70	100	0.78	GI136	GL04
	GGIR 2525 M 03R 130090	25	25	25	150	3.00	9	90	130	0.73	GI136	GL04
	GGIR 2525 M 03R 170110	25	25	25	150	3.00	9	110	170	0.76	GI136	GL04
L	GGIL 2525 M 03L 030017	25	25	25	150	3.00	9.5	17	30	0.75	GI143	GL01
	GGIL 2525 M 03L 039024	25	25	25	150	3.00	9.5	24	39	0.25	GI143	GL01
	GGIL 2525 M 03L 050033	25	25	25	150	3.00	11	33	50	0.75	GI143	GL01
	GGIL 2525 M 03L 060043	25	25	25	150	3.00	11	43	60	0.75	GI143	GL01
	GGIL 2525 M 03L 076053	25	25	25	150	3.00	11	53	76	0.75	GI143	GL01
	GGIL 2525 M 03L 100070	25	25	25	150	3.00	9	70	100	0.77	GI136	GL04
	GGIL 2525 M 03L 130090	25	25	25	150	3.00	9	90	130	0.77	GI136	GL04
	GGIL 2525 M 03L 170110	25	25	25	150	3.00	9	110	170	0.76	GI136	GL04

GI136	LCM. 0316..
GI143	LCM. 0313..

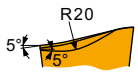
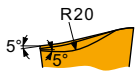
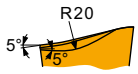
		Nm			
GL01	HS 0520C	5.0	M 5	20	HXK 4
GL04	HS 0620C	6.0	M 6	20	HXK 5

LCMF 16 - CM

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

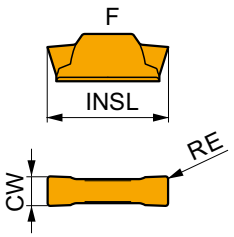
Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc	f	vc	f	vc	f	vc	f	vc	f	vc	f		
		(mm)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(°)	(°)
																
Geometría CM, primera opción para tronzado y ranurado con corte contínuo y ligeramente interrumpido.																
LCMF 031602-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMF 031604-CM	**T8330**	0.4	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMF 041602-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMF 041604-CM	**T8330**	0.4	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMF 051604-CM	**T8330**	0.4	130	0.11	75	0.11	120	0.11	–	–	–	–	–	–	–	–
LCMF 061604-CM	**T8330**	0.4	130	0.11	75	0.11	120	0.11	–	–	–	–	–	–	–	–
																
Geometría R-CM con diseño a derecha, primera elección para tronzado con corte contínuo a ligeramente interrumpido.																
LCMF 031602R15-CM	**T8330**[1)]	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	15	–
LCMF 031602R6-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	6	–
LCMF 041602R15-CM	**T8330**[1)]	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	15	–
LCMF 041602R6-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	6	–
																
Geometría L-CM con diseño a izquierda, primera elección para tronzado con corte contínuo y ligeramente interrumpido.																
LCMF 031602L15-CM	**T8330**[1)]	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	15
LCMF 031602L6-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	6
LCMF 041602L15-CM	**T8330**[1)]	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	15
LCMF 041602L6-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	6

[1)] Hay que modificar los portaherramientas.

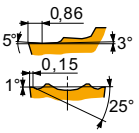
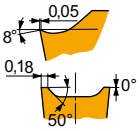
LCMF 16, LCMF 30 - F

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4
0830	8.00	-0.05	0.05	30.0



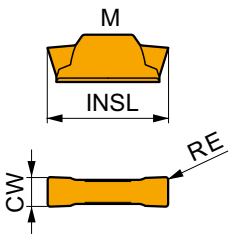
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría F para tronzado, ranurado y torneado longitudinal, acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
LCMF 031602-F	**T8330**	0.2	■ 195	0.10	0.3	◪ 115	0.09	0.3	◪ 185	0.10	0.3	–	–	–	–	–	–	–	–	–
LCMF 031604-F	**T8330**	0.4	■ 200	0.10	0.5	◪ 120	0.09	0.5	◪ 190	0.10	0.5	–	–	–	–	–	–	–	–	–
LCMF 041604-F	**T8330**	0.4	■ 185	0.13	0.5	◪ 110	0.12	0.5	◪ 175	0.13	0.5	–	–	–	–	–	–	–	–	–
	T9325	0.4	■ 275	0.13	0.5	◪ 165	0.12	0.5	◪ 260	0.13	0.5	–	–	–	–	–	–	–	–	–
LCMF 041608-F	**T8330**	0.8	■ 205	0.13	1.0	◪ 120	0.12	1.0	◪ 190	0.13	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 305	0.13	1.0	◪ 180	0.12	1.0	◪ 285	0.13	1.0	–	–	–	–	–	–	–	–	–
LCMF 051608-F	**T8330**	0.8	■ 195	0.15	1.0	◪ 115	0.14	1.0	◪ 185	0.15	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 285	0.15	1.0	◪ 170	0.14	1.0	◪ 270	0.15	1.0	–	–	–	–	–	–	–	–	–
LCMF 061608-F	**T8330**	0.8	■ 190	0.17	1.0	◪ 110	0.15	1.0	◪ 180	0.17	1.0	–	–	–	–	–	–	–	–	–
	T9325	0.8	■ 270	0.17	1.0	◪ 160	0.15	1.0	◪ 255	0.17	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría F para tronzado, ranurado y torneado longitudinal, acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
LCMF 083008-F	**T8330**	0.8	■ 175	0.25	1.0	◪ 105	0.23	1.0	◪ 165	0.25	1.0	–	–	–	–	–	–	–	–	–
LCMF 083012-F	**T8330**	1.2	■ 170	0.25	1.5	◪ 100	0.23	1.5	◪ 160	0.25	1.5	–	–	–	–	–	–	–	–	–

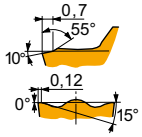
LCMF 16 - M

PRAMET

	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4



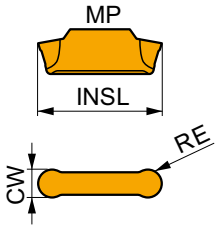
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría M para ranurado y torneado longitudinal con corte contínuo a interrumpido.																	
LCMF 031602-M	**T8330**	0.2	■ 160	0.13	1.0	◪ 95	0.12	1.0	■ 150	0.13	1.0	–	–	–	–	–	–	◪ 30	0.15	1.0
LCMF 031604-M	**T8330**	0.4	■ 170	0.13	1.0	◪ 100	0.12	1.0	■ 160	0.13	1.0	–	–	–	–	–	–	◪ 30	0.15	1.0
LCMF 041604-M	**T8330**	0.4	■ 155	0.18	1.0	◪ 90	0.16	1.0	■ 145	0.18	1.0	–	–	–	–	–	–	◪ 30	0.15	1.0
	T9325	0.4	■ 225	0.18	1.0	◪ 135	0.16	1.0	◪ 210	0.18	1.0	–	–	–	–	–	–	–	–	–
LCMF 041608-M	**T8330**	0.8	■ 185	0.18	1.0	◪ 110	0.16	1.0	■ 175	0.18	1.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 265	0.18	1.0	◪ 155	0.16	1.0	◪ 250	0.18	1.0	–	–	–	–	–	–	–	–	–
LCMF 051608-M	**T8330**	0.8	■ 180	0.20	1.0	◪ 105	0.18	1.0	■ 170	0.20	1.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 255	0.20	1.0	◪ 150	0.18	1.0	◪ 240	0.20	1.0	–	–	–	–	–	–	–	–	–
LCMF 061608-M	**T8330**	0.8	■ 175	0.25	1.0	◪ 105	0.23	1.0	■ 165	0.25	1.0	–	–	–	–	–	–	◪ 35	0.15	1.0
	T9325	0.8	■ 230	0.25	1.0	◪ 135	0.23	1.0	◪ 215	0.25	1.0	–	–	–	–	–	–	–	–	–

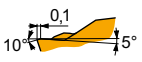
LCMF 16, LCMF 30 - MP

PRAMET

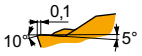
	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0316	3.00	-0.05	0.05	17.5
0416	4.00	-0.05	0.05	17.6
0516	5.00	-0.05	0.05	18.3
0616	6.00	-0.05	0.05	18.5
0830	8.00	-0.05	0.05	30.9



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría MP para torneado longitudinal y perfilado en copia, con corte contínuo a interrumpido.																	
LCMF 0316MO-MP	**T8330**	1.5	■ 190	0.30	0.8	◪ 110	0.27	0.8	■ 180	0.30	0.8	–	–	–	–	–	–	–	–	–
LCMF 0416MO-MP	**T8330**	2.0	■ 175	0.40	1.0	◪ 105	0.36	1.0	■ 165	0.40	1.0	–	–	–	–	–	–	–	–	–
	T9325	2.0	■ 220	0.40	1.0	◪ 130	0.36	1.0	◪ 205	0.40	1.0	–	–	–	–	–	–	–	–	–
LCMF 0516MO-MP	**T8330**	2.5	■ 170	0.45	1.0	◪ 100	0.41	1.0	■ 160	0.45	1.0	–	–	–	–	–	–	–	–	–
	T9325	2.5	■ 205	0.45	1.0	◪ 120	0.41	1.0	◪ 190	0.45	1.0	–	–	–	–	–	–	–	–	–

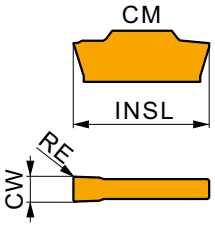
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
Geometría MP para torneado longitudinal y perfilado en copia, con corte contínuo a interrumpido.																				
LCMF 0616MO-MP	**T8330**	3.0	165	0.50	1.0	95	0.45	1.0	155	0.50	1.0	–	–	–	–	–	–	–	–	–
	T9325	3.0	200	0.50	1.0	120	0.45	1.0	190	0.50	1.0	–	–	–	–	–	–	–	–	–
LCMF 0830MO-MP	**T8330**	4.0	150	0.60	1.2	90	0.54	1.2	140	0.60	1.2	–	–	–	–	–	–	–	–	–

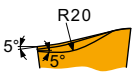
LCMR 16 - CM

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4



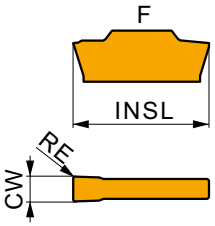
Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc	f	vc	f	vc	f	vc	f	vc	f	vc	f		
		(mm)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(°)	(°)
																
Geometría CM, primera opción para tronzado y ranurado con corte contínuo y ligeramente interrumpido.																
LCMR 031602-CM	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LCMR 041604-CM	**T8330**	0.4	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–

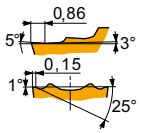
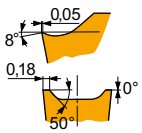
LCMR 16, LCMR 30 - F

PRAMET

	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4
0830	8.00	-0.05	0.05	30.0



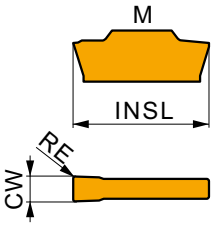
Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría F para tronzado, ranurado y torneado longitudinal, acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
LCMR 031604-F	**T8330**	0.4	200	0.10	0.5	120	0.09	0.5	190	0.10	0.5	–	–	–	–	–	–	–	–	–
LCMR 041604-F	**T8330**	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	–	–	–	–	–	–	–	–	–
LCMR 051604-F	**T8330**	0.4	180	0.15	0.5	105	0.14	0.5	170	0.15	0.5	–	–	–	–	–	–	–	–	–
LCMR 061608-F	**T8330**	0.8	190	0.17	1.0	110	0.15	1.0	180	0.17	1.0	–	–	–	–	–	–	–	–	–
																				
			Geometría F para tronzado, ranurado y torneado longitudinal, acabado y acabado fino con corte contínuo y ligeramente interrumpido.																	
LCMR 083008-F	**T8330**	0.8	175	0.25	1.0	105	0.23	1.0	165	0.25	1.0	–	–	–	–	–	–	–	–	–

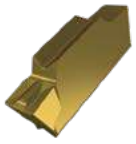
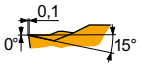
LCMR 16 - M

PRAMET

	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4

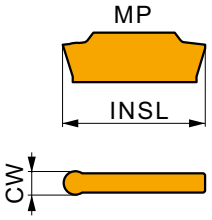


Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

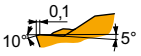
Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
																				
			Geometría M para ranurado y torneado longitudinal con corte contínuo a interrumpido.																	
LCMR 031604-M	**T8330**	0.4	170	0.13	1.0	100	0.12	1.0	160	0.13	1.0	–	–	–	–	–	–	30	0.15	1.0
LCMR 041604-M	**T8330**	0.4	155	0.18	1.0	90	0.16	1.0	145	0.18	1.0	–	–	–	–	–	–	30	0.15	1.0
LCMR 051604-M	**T8330**	0.4	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	–	–	–	–	–	–	30	0.15	1.0
LCMR 061608-M	**T8330**	0.8	175	0.25	1.0	105	0.23	1.0	165	0.25	1.0	–	–	–	–	–	–	35	0.15	1.0

LCMR 16 - MP

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	17.4
0416	4.00	-0.05	0.05	17.5
0516	5.00	-0.05	0.05	18.1
0616	6.00	-0.05	0.05	18.3



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
			Geometría MP para torneado longitudinal y perfilado en copia, con corte contínuo a interrumpido.																	
LCMR 0316M0-MP	**T8330**	1.5	■ 190	0.30	0.8	◪ 110	0.27	0.8	■ 180	0.30	0.8	–	–	–	–	–	–	–	–	–
LCMR 0416M0-MP	**T8330**	2.0	■ 175	0.40	1.0	◪ 105	0.36	1.0	■ 165	0.40	1.0	–	–	–	–	–	–	–	–	–
LCMR 0516M0-MP	**T8330**	2.5	■ 170	0.45	1.0	◪ 100	0.41	1.0	■ 160	0.45	1.0	–	–	–	–	–	–	–	–	–
LCMR 0616M0-MP	**T8330**	3.0	■ 165	0.50	1.0	◪ 95	0.45	1.0	■ 155	0.50	1.0	–	–	–	–	–	–	–	–	–

GFI(RL) EXT

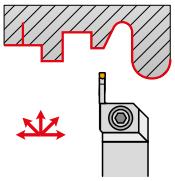
P M K N S H

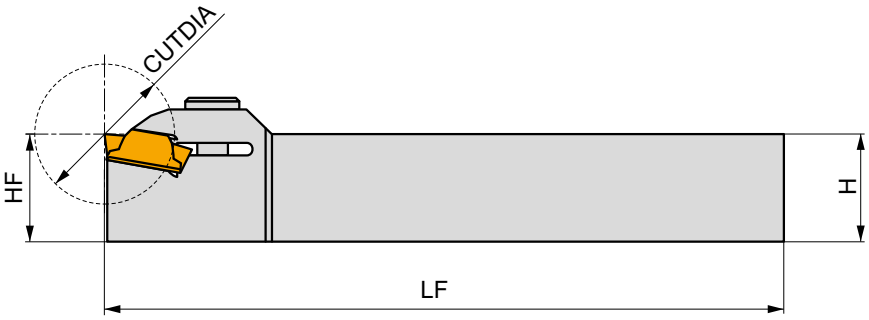
PRAMET

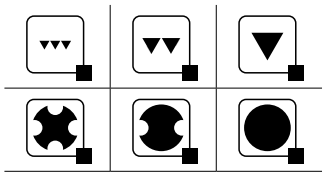
G

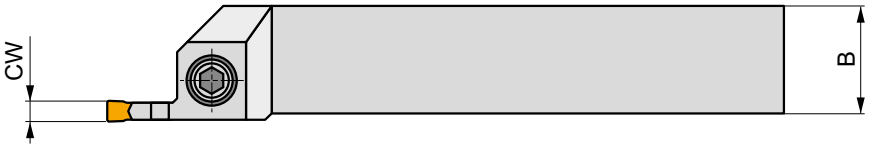
Herramienta de Ranurado Exterior y Torneado con Fijación Superior y Ranura en V para Plaquitas LCM.

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado con plaquitas LCM. 0316, 0416, 0516, 0616 y 0830. Adecuado para aplicaciones de tronzado hasta un diámetro máximo de Ø48 mm, perfilado y torneado longitudinal. Disponible con mangos de 16x16 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CUTDIA (mm)	kg		
R	**GFIR 1616 H 03**	16	16	16	100	3.00	18	0.22	GI136	GL03
	GFIR 2020 K 03	20	20	20	125	3.00	18	0.40	GI136	GL04
	GFIR 2525 M 03	25	25	25	150	3.00	18	0.73	GI136	GL05
	GFIR 1616 H 04	16	16	16	100	4.00	24	0.22	GI137	GL03
	GFIR 2020 K 04	20	20	20	125	4.00	24	0.38	GI137	GL04
	GFIR 2525 M 04	25	25	25	150	4.00	24	0.67	GI137	GL05
	GFIR 2020 K 05	20	20	20	125	5.00	28	0.38	GI138	GL04
	GFIR 2525 M 05	25	25	25	150	5.00	28	0.70	GI138	GL05
	GFIR 2020 K 06	20	20	20	125	6.00	28	0.38	GI139	GL04
	GFIR 2525 M 06	25	25	25	150	6.00	28	0.70	GI139	GL05
	GFIR 2525 M 08	25	25	25	150	8.00	48	0.74	GI193	GL09
	GFIR 3225 P 08	32	32	25	170	8.00	48	1.03	GI193	GL09
L	**GFIL 1616 H 03**	16	16	16	100	3.00	18	0.22	GI136	GL03
	GFIL 2020 K 03	20	20	20	125	3.00	18	0.39	GI136	GL04
	GFIL 2525 M 03	25	25	25	150	3.00	18	0.73	GI136	GL05
	GFIL 1616 H 04	16	16	16	100	4.00	24	0.20	GI137	GL03
	GFIL 2020 K 04	20	20	20	125	4.00	24	0.38	GI137	GL04
	GFIL 2525 M 04	25	25	25	150	4.00	24	0.69	GI137	GL05
	GFIL 2020 K 05	20	20	20	125	5.00	28	0.38	GI138	GL04
	GFIL 2525 M 05	25	25	25	150	5.00	28	0.71	GI138	GL05
	GFIL 2020 K 06	20	20	20	125	6.00	28	0.40	GI139	GL04
	GFIL 2525 M 06	25	25	25	150	6.00	28	0.70	GI139	GL05
	GFIL 2525 M 08	25	25	25	150	8.00	48	0.75	GI193	GL09
	GFIL 3225 P 08	32	32	25	170	8.00	48	1.03	GI193	GL09

GI136	LCM. 0316..
GI137	LCM. 0416..
GI138	LCM. 0516..
GI139	LCM. 0616..
GI193	LCM. 0830..

GL03	HS 0616C	6.0	M 6	16	HXK 5
GL04	HS 0620C	6.0	M 6	20	HXK 5
GL05	HS 0625C	6.0	M 6	25	HXK 5
GL09	HSI 1020	8.0	M 10	20	HXK 8

GFM(RL) EXT

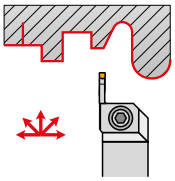
P M K N S H

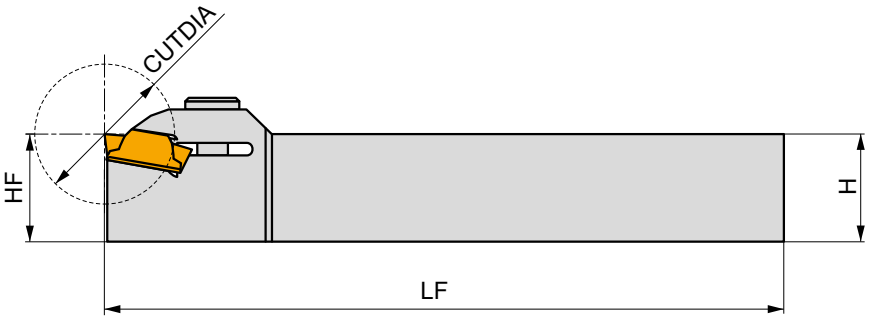
PRAMET

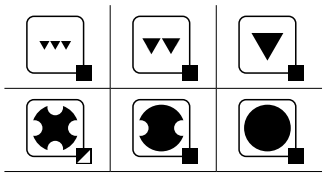
G

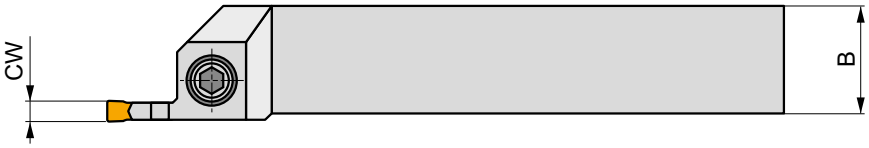
Herramienta de Ranurado Exterior y Torneado con Fijación Superior y Ranura en V para Plaquitas LCM.

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado con plaquitas LCM. 0316, 0416, 0516, 0616 y 0830. Adecuado para aplicaciones de tronzado hasta un diámetro máximo de Ø30 a Ø80 mm, perfilado y torneado longitudinal. Disponible con mangos de 20x20 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CUTDIA (mm)	kg		
R	**GFMR 2020 K 0316**	20	20	20	125	3.00	30	0.37	GI136	GL04
	GFMR 2525 M 0316	25	25	25	150	3.00	30	0.68	GI136	GL04
	GFMR 2020 K 0416	20	20	20	125	4.00	40	0.38	GI137	GL04
	GFMR 2525 M 0416	25	25	25	150	4.00	40	0.68	GI137	GL04
	GFMR 2525 M 0516	25	25	25	150	5.00	50	0.67	GI138	GL04
	GFMR 3225 P 0516	32	32	25	170	5.00	50	0.97	GI138	GL04
	GFMR 2525 M 0616	25	25	25	150	6.00	60	0.66	GI139	GL04
	GFMR 3225 P 0616	32	32	25	170	6.00	60	0.97	GI139	GL04
	GFMR 3225 P 0830	32	32	25	170	8.00	80	0.97	GI193	GL10
L	**GFML 2020 K 0316**	20	20	20	125	3.00	30	0.24	GI136	GL04
	GFML 2525 M 0316	25	25	25	150	3.00	30	0.70	GI136	GL04
	GFML 2020 K 0416	20	20	20	125	4.00	40	0.37	GI137	GL04
	GFML 2525 M 0416	25	25	25	150	4.00	40	0.69	GI137	GL04
	GFML 2525 M 0516	25	25	25	150	5.00	50	0.64	GI138	GL04
	GFML 3225 P 0516	32	32	25	170	5.00	50	0.97	GI138	GL04
	GFML 2525 M 0616	25	25	25	150	6.00	60	0.64	GI139	GL04
	GFML 3225 P 0616	32	32	25	170	6.00	60	0.95	GI139	GL04
	GFML 3225 P 0830	32	32	25	170	8.00	80	0.99	GI193	GL10

GI136	LCM. 0316..
GI137	LCM. 0416..
GI138	LCM. 0516..
GI139	LCM. 0616..
GI193	LCM. 0830..

		Nm			
GL04	HS 0620C	6.0	M 6	20	HXK 5
GL10	HSI 1020	8.0	M 10	20	HXK 8

XLCCN B

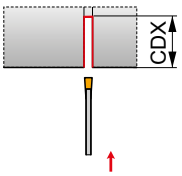
P M K N S H

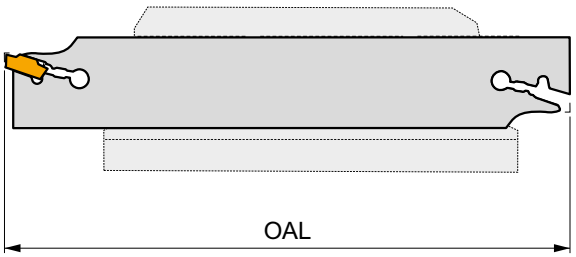
PRAMET

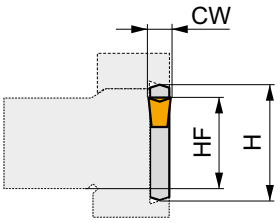
X

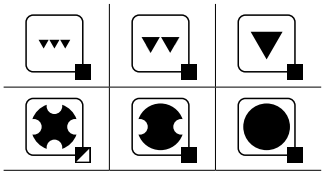
Lama de Tronzado con Dos Posiciones para Plaquitas LCM.

Lama para aplicaciones de tronzado hasta 60 mm de profundidad máxima o barra de Ø120 mm. Adecuado para plaquitas de doble filo LCM. Disponible en alturas de 26 y 32. Se puede colocar en los soportes básicos Pramet DU. Lama tratada para una mayor vida útil de la herramienta.









	Producto	HF (mm)	H (mm)	LF (mm)	CW (mm)	CDX (mm)	kg		
N	**XLCCN 2602 J 0316**	21.4	26	110	3.00	35	0.09	GI136	KV1
	XLCCN 3202 M 0316	25	32	150	3.00	50	0.13	GI136	KV1
	XLCCN 3203 M 0416	25	32	150	4.00	50	0.15	GI137	KV1
	XLCCN 3204 M 0516	25	32	150	5.00	60	0.18	GI138	KV1
	XLCCN 3205 M 0616	25	32	150	6.00	60	0.17	GI139	KV1

GI136	LCM. 0316..
GI137	LCM. 0416..
GI138	LCM. 0516..
GI139	LCM. 0616..

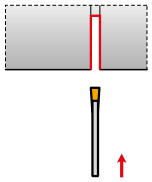
KV1	KV 5x100

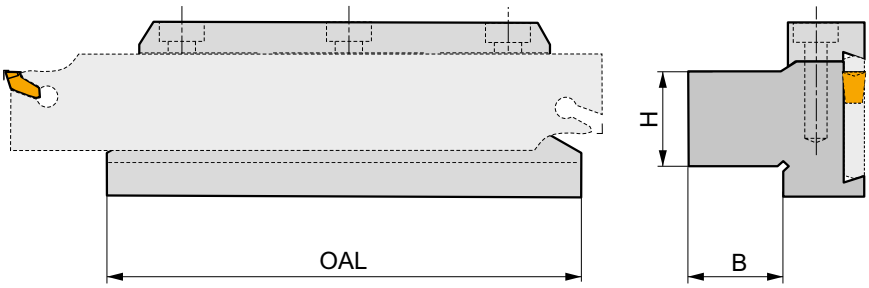
DU, D

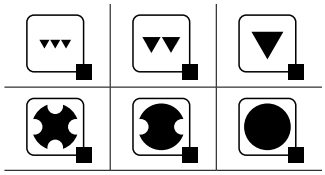
PRAMET

Bloque Portalamas para Lamas de Tronzado

Portaherramientas para lamas de tronzado GL o XLC. Disponible con mangos de 20x20 hasta 40x40. Cuerpo tratado para una vida útil más larga.







Producto	H (mm)	B (mm)	OAL (mm)	kg		
26-DU 2020	20	20	90	0.70	GI007	ND2
26-D 2020	20	20	100	0.82	GI007	ND2
32-DU 2523	25	23	110	1.02	GI008	ND2
32-DU 2532	25	32	110	1.10	GI008	ND2
32-DU 3229	32	29	110	1.25	GI008	ND2
32-D 2530	25	30	115	1.30	GI008	ND2
45-DU 3229	32	29	110	1.50	GI009	ND7
45-DU 4036	40	36	110	2.05	GI009	ND7
47-D 4040	40	40	150	3.88	GI091	ND3

GI007	XLC.N 26..	GL.-S26.B
GI008	XLC.N 32..	GL.-S32.B
GI009	XLC.N 45..	–
GI091	XLC.N 47..	–

		Nm			
ND2	HS 0625	6.0	M 6	25	HXK 5
ND3	HS 1030	8.0	M 10	30	HXK 8
ND7	HS 0630	6.0	M 6	30	HXK 5

XLCCN 25 BS

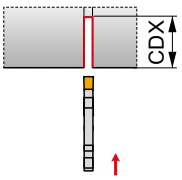
P M K N S H

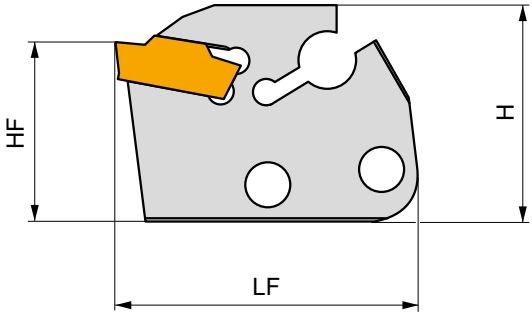
PRAMET

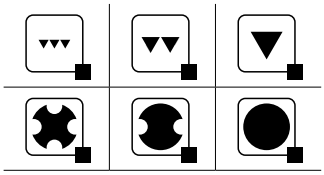
G

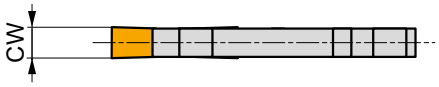
Lama de Ranurado Radial para Portaherramientas Modular MS-EN, para Plaquitas LCM.

Lama modular para ranurado con plaquitas LCM. 0316, 0416, 0516 o 0616 de un solo filo o de doble filo. Adecuada para aplicaciones de ranurado o tronzado con una profundidad máxima de 25 mm. Se puede montar en portaherramientas MS-EN. Lamas tratadas para una vida útil más larga.









	Producto	HF (mm)	H (mm)	LF (mm)	CW (mm)	CDX (mm)	kg		
N	**XLCCN 250215-0316**	24	29	40	3.00	15	0.01	GI136	–
	XLCCN 250225-0316	24	29	50	3.00	25	0.02	GI136	–
	XLCCN 250315-0416	24	29	40	4.00	15	0.04	GI137	–
	XLCCN 250325-0416	24	29	50	4.00	25	0.04	GI137	–
	XLCCN 250425-0516	24	29	50	5.00	25	0.03	GI138	–
	XLCCN 250525-0616	24	29	50	6.00	25	0.04	GI139	–

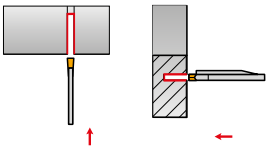
GI136	LCM. 0316..
GI137	LCM. 0416..
GI138	LCM. 0516..
GI139	LCM. 0616..

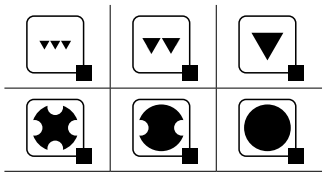
MS-EN

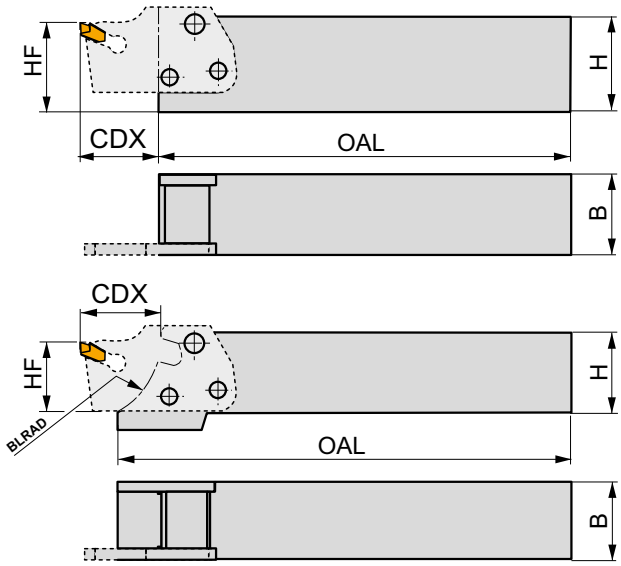
PRAMET

Portaherramientas Modular para Lamas de Ranurado XLCCN, XLCF(NRL) o XLXFL

Portaherramientas modular para lamas de ranurado XLC 25 BS, XLCF(NRL) BS o de ranurado frontal XLXFL BS. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.







Producto	HF (mm)	H (mm)	B (mm)	OAL (mm)	CDX (mm)	BLRAD (mm)	kg		
MS-EN-1212 F	12	12	12	75	15	–	0.13	GI006	ND4
MS-EN-1616 H	16	16	16	90	15	–	0.21	GI006	ND4
MS-EN-2020 K	20	20	20	115	15	–	0.23	GI003	ND5
MS-EN-2020 KS	20	20	20	129	15	25	0.42	GI060	ND5
MS-EN-2525 M	25	25	25	140	15	–	0.65	GI003	ND5
MS-EN-2525 MS	25	25	25	153	15	25	0.74	GI060	ND5
MS-EN-3225 P	32	32	25	160	15	–	0.95	GI003	ND5
MS-EN-3225 PS	32	32	25	174	15	25	1.00	GI060	ND5

GI003	XLC.. 25..15...	XLXFL 25…	XLC.. 25..25…
GI006	XLCF. 16..15…	XLCF. 16..20…	–
GI060	XLC.. 25..15…	XLC.. 25..25…	–

		Nm				Nm			
ND4	US 4011-T15P	3.5	M 4	10.6	–	–	–	–	FLAG T15P
ND5	US 45013-T20P	5.0	M 5	13	US 46017-T20P	5.0	M6	17	FLAG T15P

ND4 =3 x US 4011-T15P; ND5=2 x US 45013-T20P

GFIL-L AXIAL

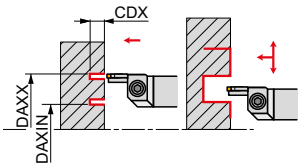
P M K N S H

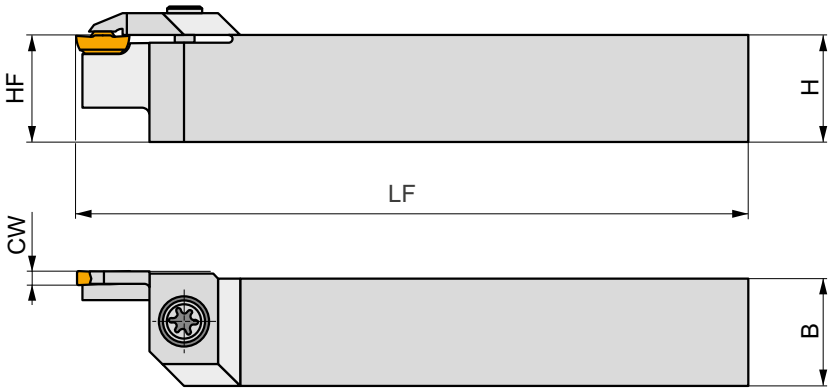
PRAMET

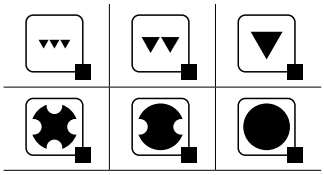
G

Herramienta de Ranurado Axial con Fijación Superior y Ranura en V para Plaquitas LCM. 03

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0313 o 0316 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø170 mm con una profundidad máxima de corte de 9 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN	DAXX (mm)	kg		
L	**GFIL 2525 M 0313L 030017**	25	25	25	150	3.00	9	17	30	0.64	GI143	GL02
	GFIL 2525 M 0313L 039024	25	25	25	150	3.00	9	24	39	0.66	GI143	GL07
	GFIL 2525 M 0313L 050033	25	25	25	150	3.00	9	33	50	0.67	GI143	GL07
	GFIL 2525 M 0313L 060043	25	25	25	150	3.00	9	43	60	0.67	GI143	GL07
	GFIL 2525 M 0313L 076053	25	25	25	150	3.00	9	53	76	0.67	GI143	GL07
	GFIL 2525 M 0316L 100070	25	25	25	150	3.00	9	70	100	0.69	GI136	GL07
	GFIL 2525 M 0316L 130090	25	25	25	150	3.00	9	90	130	0.70	GI136	GL07
	GFIL 2525 M 0316L 170110	25	25	25	150	3.00	9	110	170	0.71	GI136	GL07

GI136	LCM. 0316..
GI143	LCM. 0313..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GFIL-R AXIAL

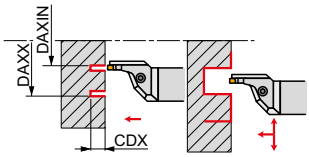
P M K N S H

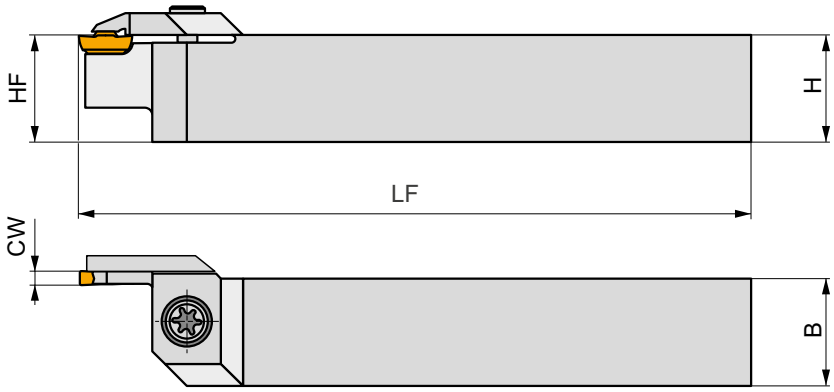
PRAMET

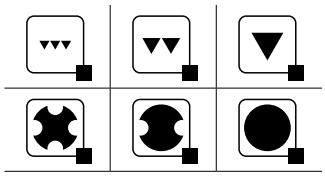
G

Herramienta de Ranurado Axial con Fijación Superior y Ranura en V para Plaquitas LCM. 03 o 04

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0313, 0316, 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 12 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN	DAXX (mm)	kg		
L	GFIL 2525 M 03R 030017-A	25	25	25	150	3.00	9	17	30	0.69	GI143	GL07
	GFIL 2525 M 03R 039024-A	25	25	25	150	3.00	9	24	39	0.69	GI143	GL07
	GFIL 2525 M 03R 050033-A	25	25	25	150	3.00	9	33	50	0.72	GI143	GL07
	GFIL 2525 M 03R 060043-A	25	25	25	150	3.00	9	43	60	0.69	GI143	GL07
	GFIL 2525 M 03R 076053-A	25	25	25	150	3.00	9	53	76	0.68	GI143	GL07
	GFIL 2525 M 03R 100070-A	25	25	25	150	3.00	9	70	100	0.79	GI136	GL08
	GFIL 2525 M 03R 130090-A	25	25	25	150	3.00	9	90	130	0.73	GI136	GL08
	GFIL 2525 M 03R 170110-A	25	25	25	150	3.00	9	110	170	0.76	GI136	GL08
	GFIL 2525 M 04R 030017-A	25	25	25	150	3.00	9	17	30	0.71	GI170	GL07
	GFIL 2525 M 04R 034021-A	25	25	25	150	4.00	9	21	34	0.69	GI170	GL07
	GFIL 2525 M 04R 040026-A	25	25	25	150	4.00	11	26	40	0.00	GI170	GL07
	GFIL 2525 M 04R 050032-A	25	25	25	150	4.00	11	32	50	0.68	GI170	GL07
	GFIL 2525 M 04R 060042-A	25	25	25	150	4.00	11	42	60	0.66	GI170	GL07
	GFIL 2525 M 04R 075052-A	25	25	25	150	4.00	11	52	75	0.67	GI170	GL07
	GFIL 2525 M 04R 100070-A	25	25	25	150	4.00	12	70	100	0.75	GI137	GL08
	GFIL 2525 M 04R 130090-A	25	25	25	150	4.00	12	90	130	0.75	GI137	GL08
	GFIL 2525 M 04R 170110-A	25	25	25	150	4.00	12	110	170	0.75	GI137	GL08
	GFIL 2525 M 04R 230140-A	25	25	25	150	4.00	12	140	230	0.78	GI137	GL08

GI136	LCM. 0316..
GI137	LCM. 0416..
GI143	LCM. 0313..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

GFIR-L AXIAL

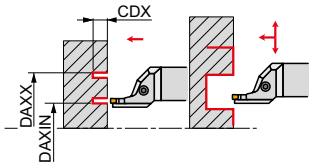
P M K N S H

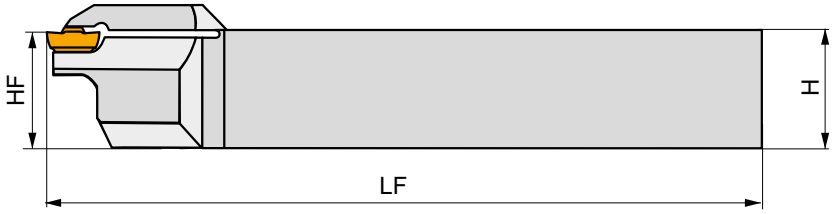
PRAMET

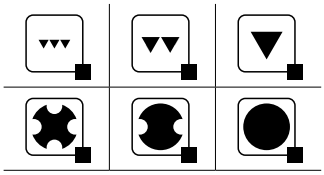
G

Herramienta de Ranurado Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 03 o 04

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0313, 0316, 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 12 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GFIR 2525 M 03L 030017-A	25	25	25	150	3.00	9	17	30	0.65	GI143	GL07
	GFIR 2525 M 03L 039024-A	25	25	25	150	3.00	9	24	39	0.68	GI143	GL07
	GFIR 2525 M 03L 050033-A	25	25	25	150	3.00	9	33	50	0.65	GI143	GL07
	GFIR 2525 M 03L 060043-A	25	25	25	150	3.00	9	43	60	0.68	GI143	GL07
	GFIR 2525 M 03L 076053-A	25	25	25	150	3.00	9	53	76	0.69	GI143	GL07
	GFIR 2525 M 03L 100070-A	25	25	25	150	3.00	9	70	100	0.75	GI136	GL08
	GFIR 2525 M 03L 130090-A	25	25	25	150	3.00	9	90	130	0.76	GI136	GL08
	GFIR 2525 M 03L 170110-A	25	25	25	150	3.00	9	110	170	0.68	GI136	GL08
	GFIR 2525 M 04L 030017-A	25	25	25	150	3.00	9	17	30	0.68	GI170	GL07
	GFIR 2525 M 04L 034021-A	25	25	25	150	4.00	9	21	34	0.68	GI170	GL07
	GFIR 2525 M 04L 040026-A	25	25	25	150	4.00	11	26	40	0.68	GI170	GL07
	GFIR 2525 M 04L 050032-A	25	25	25	150	4.00	11	32	50	0.66	GI170	GL07
	GFIR 2525 M 04L 060042-A	25	25	25	150	4.00	11	42	60	0.69	GI170	GL07
	GFIR 2525 M 04L 075052-A	25	25	25	150	4.00	11	52	75	0.67	GI170	GL07
	GFIR 2525 M 04L 100070-A	25	25	25	150	4.00	12	70	100	0.72	GI137	GL08
	GFIR 2525 M 04L 130090-A	25	25	25	150	4.00	12	90	130	0.75	GI137	GL08
	GFIR 2525 M 04L 170110-A	25	25	25	150	4.00	12	110	170	0.72	GI137	GL08
	GFIR 2525 M 04L 230140-A	25	25	25	150	4.00	12	140	230	0.79	GI137	GL08

GI136	LCM. 0316..
GI137	LCM. 0416..
GI143	LCM. 0313..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

GFIR-R AXIAL

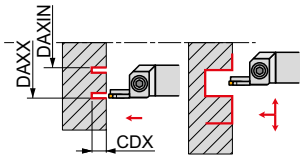
P M K N S H

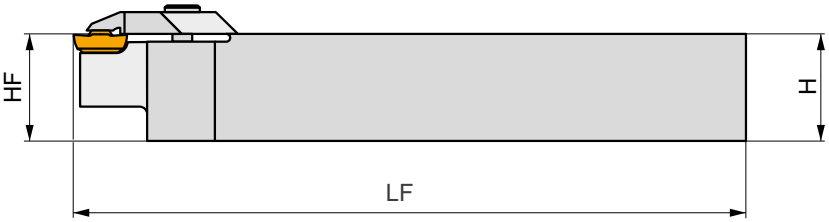
PRAMET

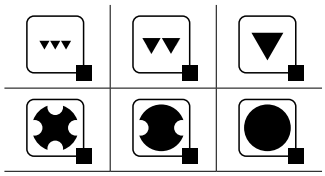
G

Herramienta de Ranurado Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 03

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0313 o 0316 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø170 mm con una profundidad máxima de corte de 9 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GFIR 2525 M 0313R 030017	25	25	25	150	3.00	9	17	30	0.65	GI143	GL02
	GFIR 2525 M 0313R 039024	25	25	25	150	3.00	9	24	39	0.66	GI143	GL07
	GFIR 2525 M 0313R 050033	25	25	25	150	3.00	9	33	50	0.68	GI143	GL07
	GFIR 2525 M 0313R 060043	25	25	25	150	3.00	9	43	60	0.68	GI143	GL07
	GFIR 2525 M 0313R 076053	25	25	25	150	3.00	9	53	76	0.68	GI143	GL07
	GFIR 2525 M 0316R 100070	25	25	25	150	3.00	9	70	100	0.69	GI136	GL07
	GFIR 2525 M 0316R 130090	25	25	25	150	3.00	9	90	130	0.70	GI136	GL07
	GFIR 2525 M 0316R 170110	25	25	25	150	3.00	9	110	170	0.70	GI136	GL07

GI136	LCM. 0316..
GI143	LCM. 0313..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GFML-L AXIAL

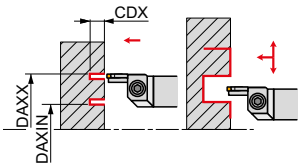
P M K N S H

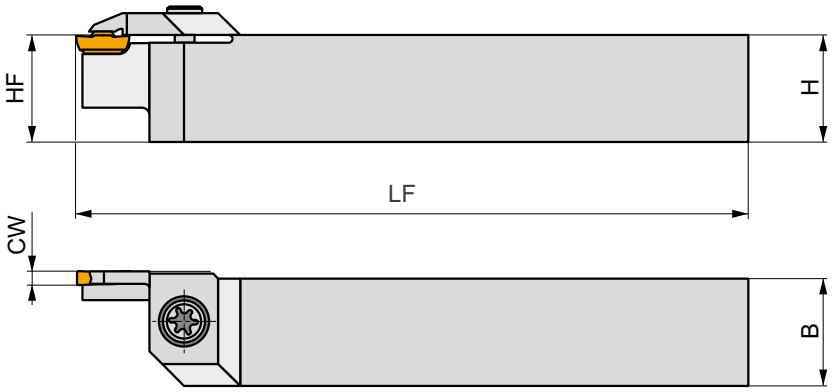
PRAMET

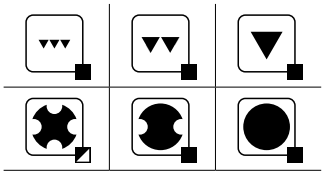
G

Herramienta de Ranurado Axial Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial profundo, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	**GFML 2525 M 0413L 030017**	25	25	25	150	4.00	20	17	30	0.62	GI170	GL02
	GFML 2525 M 0413L 034021	25	25	25	150	4.00	20	21	34	0.63	GI170	GL07
	GFML 2525 M 0413L 040026	25	25	25	150	4.00	20	26	40	0.65	GI170	GL07
	GFML 2525 M 0413L 050032	25	25	25	150	4.00	20	32	50	0.64	GI170	GL07
	GFML 2525 M 0413L 060042	25	25	25	150	4.00	20	42	60	0.65	GI170	GL07
	GFML 2525 M 0413L 075052	25	25	25	150	4.00	20	52	75	0.66	GI170	GL07
	GFML 2525 M 0416L 100070	25	25	25	150	4.00	20	70	100	0.66	GI137	GL07
	GFML 2525 M 0416L 130090	25	25	25	150	4.00	20	90	130	0.67	GI137	GL07
	GFML 2525 M 0416L 170110	25	25	25	150	4.00	20	110	170	0.67	GI137	GL07
	GFML 2525 M 0416L 230140	25	25	25	150	4.00	20	140	230	0.67	GI137	GL07

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GFML-R AXIAL

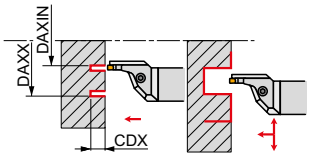
P M K N S H

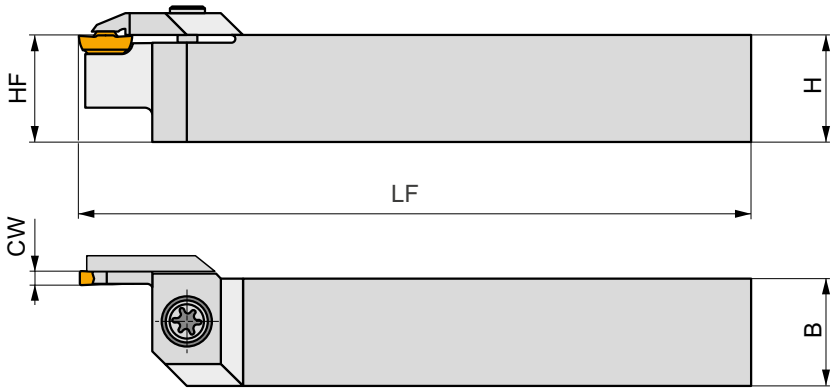
PRAMET

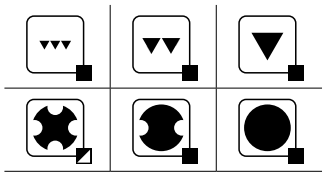
G

Herramienta de Ranurado Axial Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a izquierda para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial profundo, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	GFML 2525 M 0413R 030017	25	25	25	150	4.00	20	17	30	0.68	GI170	GL07
	GFML 2525 M 0413R 034021	25	25	25	150	4.00	20	21	34	0.69	GI170	GL07
	GFML 2525 M 0413R 040026	25	25	25	150	4.00	20	26	40	0.69	GI170	GL07
	GFML 2525 M 0413R 050032	25	25	25	150	4.00	20	32	50	0.68	GI170	GL07
	GFML 2525 M 0413R 060042	25	25	25	150	4.00	20	42	60	0.69	GI170	GL07
	GFML 2525 M 0413R 075052	25	25	25	150	4.00	20	52	75	0.69	GI170	GL07
	GFML 2525 M 0416R 100070	25	25	25	150	4.00	20	70	100	0.80	GI137	GL08
	GFML 2525 M 0416R 130090	25	25	25	150	4.00	20	90	130	0.78	GI137	GL08
	GFML 2525 M 0416R 170110	25	25	25	150	4.00	20	110	170	0.78	GI137	GL08
	GFML 2525 M 0416R 230140	25	25	25	150	4.00	20	140	230	0.78	GI137	GL08

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

GFMR-L AXIAL

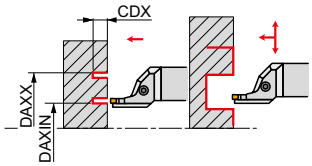
P M K N S H

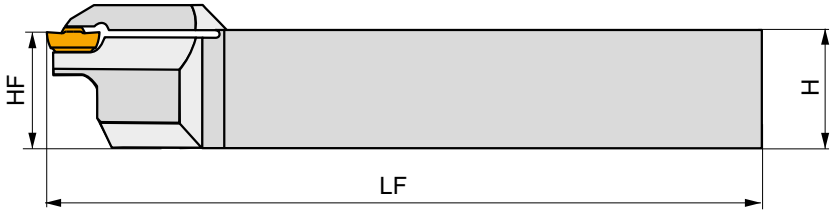
PRAMET

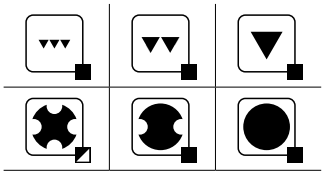
G

Herramienta de Ranurado Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial profundo, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	**GFMR 2525 M 0413L 030017**	25	25	25	150	4.00	20	17	30	0.70	GI170	GL07
	GFMR 2525 M 0413L 034021	25	25	25	150	4.00	20	21	34	0.66	GI170	GL07
	GFMR 2525 M 0413L 040026	25	25	25	150	4.00	20	26	40	0.66	GI170	GL07
	GFMR 2525 M 0413L 050032	25	25	25	150	4.00	20	32	50	0.68	GI170	GL07
	GFMR 2525 M 0413L 060042	25	25	25	150	4.00	20	42	60	0.66	GI170	GL07
	GFMR 2525 M 0413L 075052	25	25	25	150	4.00	20	52	75	0.69	GI170	GL07
	GFMR 2525 M 0416L 100070	25	25	25	150	4.00	20	70	100	0.88	GI137	GL08
	GFMR 2525 M 0416L 130090	25	25	25	150	4.00	20	90	130	0.78	GI137	GL08
	GFMR 2525 M 0416L 170110	25	25	25	150	4.00	20	110	170	0.81	GI137	GL08
	GFMR 2525 M 0416L 230140	25	25	25	150	4.00	20	140	230	0.78	GI137	GL08

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm				
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P	–
GL08	US 6020-T25P	6.0	M 6	20.2	–	SDR T25P

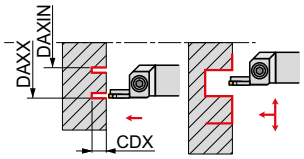
GFMR-R AXIAL

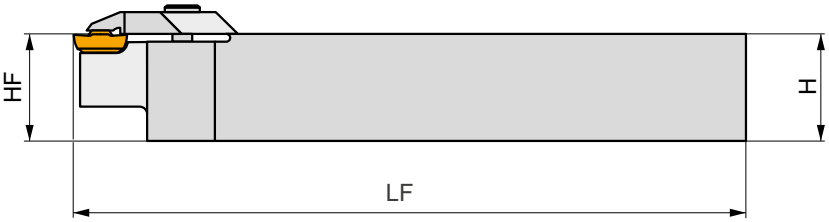
P M K N S H

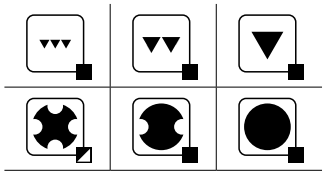
PRAMET G

Herramienta de Ranurado Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 04

Portaherramientas de exterior a derecha, para ranurado frontal con plaquitas LCM. 0413 o 0416 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø230 mm con una profundidad máxima de corte de 20 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GFMR 2525 M 0413R 030017	25	25	25	150	4.00	20	17	30	0.62	GI170	GL02
	GFMR 2525 M 0413R 034021	25	25	25	150	4.00	20	21	34	0.63	GI170	GL07
	GFMR 2525 M 0413R 040026	25	25	25	150	4.00	20	26	40	0.64	GI170	GL07
	GFMR 2525 M 0413R 050032	25	25	25	150	4.00	20	32	50	0.63	GI170	GL07
	GFMR 2525 M 0413R 060042	25	25	25	150	4.00	20	42	60	0.64	GI170	GL07
	GFMR 2525 M 0413R 075052	25	25	25	150	4.00	20	52	75	0.67	GI170	GL07
	GFMR 2525 M 0416R 100070	25	25	25	150	4.00	20	70	100	0.67	GI137	GL07
	GFMR 2525 M 0416R 130090	25	25	25	150	4.00	20	90	130	0.66	GI137	GL07
	GFMR 2525 M 0416R 170110	25	25	25	150	4.00	20	110	170	0.67	GI137	GL07
	GFMR 2525 M 0416R 230140	25	25	25	150	4.00	20	140	230	0.68	GI137	GL07

GI137	LCM. 0416..
GI170	LCM. 0413..

		Nm			
GL02	US 5015-T20P	5.0	M 5	15	FLAG T20P
GL07	US 5018-T20P	5.0	M 5	18.2	FLAG T20P

GGI(RL)-90 AXIAL

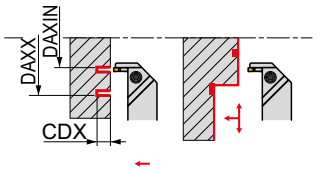
P M K N S H

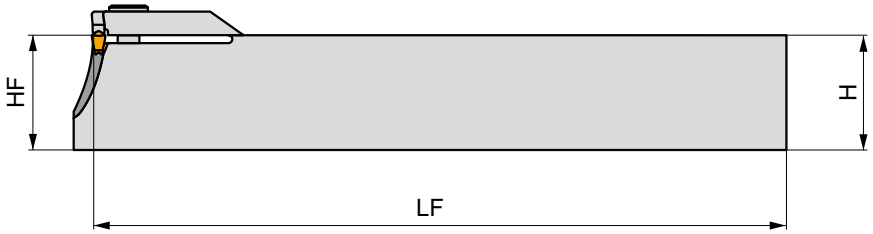
PRAMET

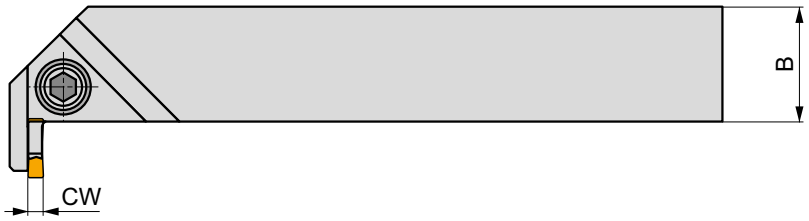
G

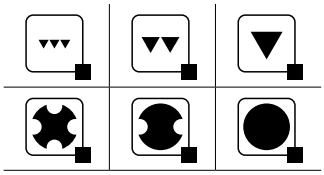
Herramienta de Ranurado Axial Exterior con Fijación Superior y Ranura en V para Plaquitas LCM. 03

Portaherramientas de exterior a 90° a derecha o izquierda, para ranurado frontal con plaquitas LCM. 0313 o 0316 de un solo filo o de doble filo. Adecuado para aplicaciones de ranurado axial, perfilado axial o ensanchamiento de ranuras desde Ø17 hasta Ø170 mm con una profundidad máxima de corte de 11 mm. Disponible con mango de 25x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
R	GGIR 2525 M 03R 030017	25	25	25	150	3.00	9.5	17	30	0.75	GI143	GL01
	GGIR 2525 M 03R 039024	25	25	25	150	3.00	9.5	24	39	0.78	GI143	GL01
	GGIR 2525 M 03R 050033	25	25	25	150	3.00	11	33	50	0.75	GI143	GL01
	GGIR 2525 M 03R 060043	25	25	25	150	3.00	11	43	60	0.78	GI143	GL01
	GGIR 2525 M 03R 076053	25	25	25	150	3.00	11	53	76	0.75	GI143	GL01
	GGIR 2525 M 03R 100070	25	25	25	150	3.00	9	70	100	0.78	GI136	GL04
	GGIR 2525 M 03R 130090	25	25	25	150	3.00	9	90	130	0.73	GI136	GL04
	GGIR 2525 M 03R 170110	25	25	25	150	3.00	9	110	170	0.76	GI136	GL04
L	GGIL 2525 M 03L 030017	25	25	25	150	3.00	9.5	17	30	0.75	GI143	GL01
	GGIL 2525 M 03L 039024	25	25	25	150	3.00	9.5	24	39	0.25	GI143	GL01
	GGIL 2525 M 03L 050033	25	25	25	150	3.00	11	33	50	0.75	GI143	GL01
	GGIL 2525 M 03L 060043	25	25	25	150	3.00	11	43	60	0.75	GI143	GL01
	GGIL 2525 M 03L 076053	25	25	25	150	3.00	11	53	76	0.75	GI143	GL01
	GGIL 2525 M 03L 100070	25	25	25	150	3.00	9	70	100	0.77	GI136	GL04
	GGIL 2525 M 03L 130090	25	25	25	150	3.00	9	90	130	0.77	GI136	GL04
	GGIL 2525 M 03L 170110	25	25	25	150	3.00	9	110	170	0.76	GI136	GL04

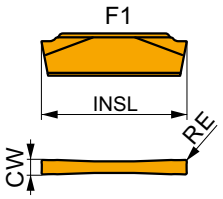
GI136	LCM. 0316..
GI143	LCM. 0313..

		Nm			
GL01	HS 0520C	5.0	M 5	20	HXK 4
GL04	HS 0620C	6.0	M 6	20	HXK 5

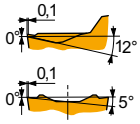
LCMF 20 - F1

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0220	2.00	-0.03	0.03	19.5



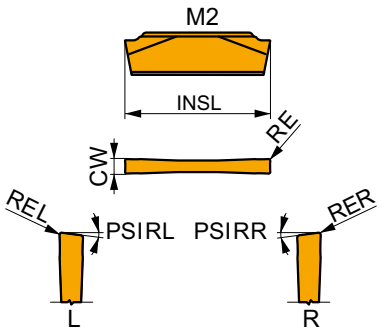
Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(°)	(°)
		(mm)														
																
Geometría F1 para tronzado y ranurado, acabado y acabado fino con corte contínuo y ligeramente interrumpido.																
LCMF 022002-F1	**T8330**	0.2	■ 205	0.09	◪ 120	0.08	◪ 190	0.09	–	–	–	–	–	–	–	–

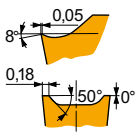
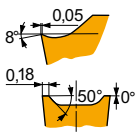
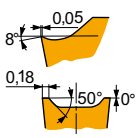
LCMF 20 - M2

PRAMET

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0220	2.00	-0.03	0.03	19.5

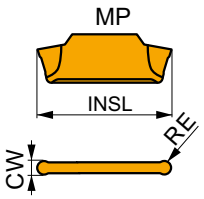


Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

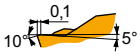
Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(°)	(°)
		(mm)														
																
Geometría M2 para tronzado y ranurado, acabado y acabado fino con corte contínuo y ligeramente interrumpido.																
LCMF 022002-M2	**T8330**	0.2	■ 180	0.12	◪ 105	0.11	◪ 170	0.12	–	–	–	–	–	–	–	–
																
Geometría R-M2 con diseño a derecha, primera elección para tronzado con corte contínuo a ligeramente interrumpido.																
LCMF 022002R6-M2	**T8330**	0.2	■ 130	0.12	◪ 75	0.11	◪ 120	0.12	–	–	–	–	–	–	6	–
																
Geometría L-M2 con diseño a izquierda, para tronzado con corte contínuo y ligeramente interrumpido.																
LCMF 022002L6-M2	**T8330**	0.2	■ 130	0.12	◪ 75	0.11	◪ 120	0.12	–	–	–	–	–	–	–	6

LCMF 20 - MP

	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0220	2.00	-0.03	0.03	19.5



Valores de inicio adecuados para la velocidad de corte (vc), avance (f) y profundidad de corte (ap). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
																				
LCMF 0220MO-MP	**T8330**	1.0	■ 200	0.30	0.5	◪ 120	0.27	0.5	■ 190	0.30	0.5	–	–	–	–	–	–	–	–	–

Geometría MP para torneado longitudinal y perfilado en copia, acabado y acabado fino con corte contínuo a interrumpido.

GFK(RL) EXT

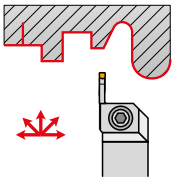
P M K N S H

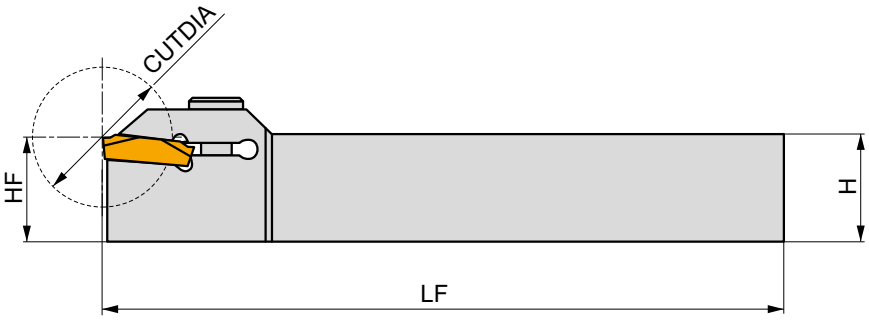
PRAMET

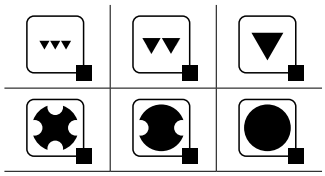
G

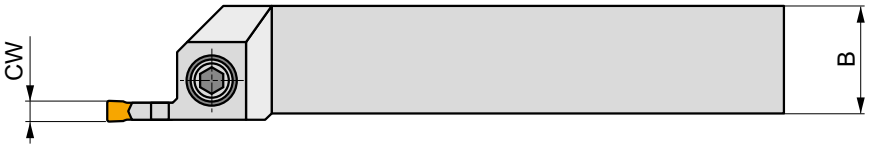
Herramienta de Tronzado y Ranurado Exterior con Fijación Superior y Ranura en V, Plaquitas LCMF 0220

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado con plaquitas LCMF 0220. Para aplicaciones de tronzado, ranurado y perfilado hasta una profundidad máxima de 16 mm. Disponible con mangos de 16x16 hasta 25x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CUTDIA (mm)	kg		
R	**GFKR 1616 H 02**	16	16	16	100	2.00	32	0.20	GI168	GL03
	GFKR 2020 K 02	20	20	20	125	2.00	32	0.38	GI168	GL04
	GFKR 2525 M 02	25	25	25	150	2.00	32	0.68	GI168	GL05
L	**GFKL 1616 H 02**	16	16	16	100	2.00	32	0.20	GI168	GL03
	GFKL 2020 K 02	20	20	20	125	2.00	32	0.38	GI168	GL04
	GFKL 2525 M 02	25	25	25	150	2.00	32	0.68	GI168	GL05

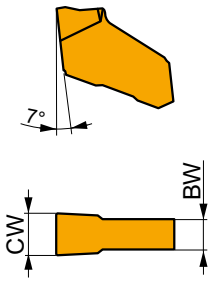
GI168	LCMF 0220..

		Nm			
GL03	HS 0616C	6.0	M 6	16	HXK 5
GL04	HS 0620C	6.0	M 6	20	HXK 5
GL05	HS 0625C	6.0	M 6	25	HXK 5

LFMX - F1

PRAMET

	CW	CWTOLL	CWTOLU	BW
	(mm)	(mm)	(mm)	(mm)
1.5	1.50	-0.03	0.03	1.30
1.6	1.60	-0.03	0.03	1.30
2.0	2.00	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60



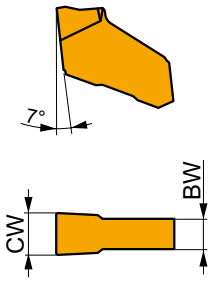
Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc	f	vc	f	vc	f	vc	f	vc	f	vc	f		
		(mm)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(°)	(°)
			E													
			Geometría EN-F1 para tronzado y ranurado con corte contínuo.													
LFMX 1.5-.16ENF1	**T8330**	0.2	130	0.08	75	0.07	120	0.08	–	–	–	–	–	–	–	–
LFMX 1.6-.16ENF1	**T8330**	0.2	130	0.08	75	0.07	120	0.08	–	–	–	–	–	–	–	–
LFMX 2.0-.16ENF1	**T8330**	0.2	130	0.08	75	0.07	120	0.08	–	–	–	–	–	–	–	–
LFMX 3.1-.20ENF1	**T8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–
LFMX 4.1-.20ENF1	**T8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–

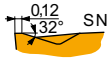
LFMX - F2

PRAMET

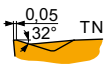
	CW	CWTOLL	CWTOLU	BW
	(mm)	(mm)	(mm)	(mm)
1.6	1.60	-0.03	0.03	1.30
2.0	2.00	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60
5.1	5.10	-0.04	0.04	4.60
6.35	6.35	-0.04	0.04	5.80



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		PSIRR	PSIRL
			vc	f	vc	f	vc	f	vc	f	vc	f	vc	f		
		(mm)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(m/min)	(mm/rev)	(°)	(°)
			U	S												
			Geometría SN-F2 para tronzado con corte contínuo.													
LFMX 1.6-.16SNF2	**T8330**	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–
LFMX 2.0-.16SNF2	**6640**	0.2	150	0.10	90	0.09	140	0.10	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–
LFMX 3.1-.20SNF2	**6640**	0.2	150	0.10	90	0.09	140	0.10	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–
LFMX 4.1-.20SNF2	**T8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	–	–
LFMX 5.1-.20SNF2	**T8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	–	–
LFMX 6.35-.20SNF2	**T8330**	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	–	–

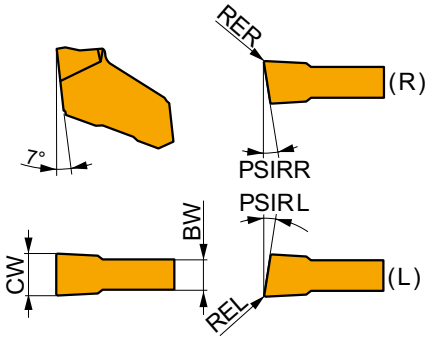
Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	PSIRR (°)	PSIRL (°)
																
			Geometría TN-F2 para tronzado y ranurado con corte contínuo.													
LFMX 3.1-.20TNF2	**6640**	0.2	150	0.10	90	0.09	140	0.10	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	75	0.09	120	0.10	–	–	–	–	–	–	–	–
LFMX 4.1-.20TNF2	**T8330**	0.2	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	–	–

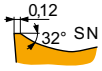
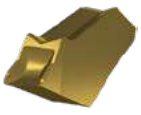
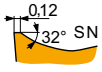
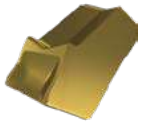
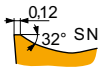
LFMX - M2

PRAMET

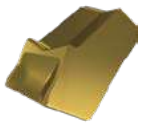
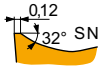
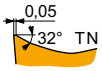
	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	BW (mm)
2.0	2.00	-0.03	0.03	1.60
2.2	2.20	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60
5.1	5.10	-0.04	0.04	4.60
6.35	6.35	-0.04	0.04	5.80



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	PSIRR (°)	PSIRL (°)
																
			Geometría SN-M2 para tronzado y ranurado con corte contínuo a ligeramente interrumpido.													
LFMX 2.0-.16SNM2	**6640**	0.2	150	0.11	90	0.10	140	0.11	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LFMX 2.2-.16SNM2	**6640**	0.2	150	0.11	90	0.10	140	0.11	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	–	–
LFMX 3.1-.20SNM2	**6640**	0.2	150	0.15	90	0.14	140	0.15	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	–	–
LFMX 4.1-.20SNM2	**6640**	0.2	150	0.15	90	0.14	140	0.15	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	–	–
LFMX 5.1-.20SNM2	**6640**	0.2	150	0.20	90	0.18	140	0.20	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.20	75	0.18	120	0.20	–	–	–	–	–	–	–	–
LFMX 6.35-.20SNM2	**6640**	0.2	150	0.20	90	0.18	140	0.20	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.20	75	0.18	120	0.20	–	–	–	–	–	–	–	–
																
			Geometría SR-M2 con diseño a derecha, para tronzado con corte contínuo a ligeramente interrumpido.													
LFMX 2.0-.16SR12M2	**T8330**	0.2	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	12	–
LFMX 2.0-.16SR6M2	**T8330**	0.2	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	6	–
LFMX 3.1-.20SR8M2	**T8330**	0.2	130	0.11	75	0.10	120	0.11	–	–	–	–	–	–	8	–
LFMX 4.1-.20SR8M2	**T8330**	0.2	130	0.15	75	0.14	120	0.15	–	–	–	–	–	–	8	–
																
			Geometría SL-M2 con diseño a izquierda para tronzado con corte contínuo y ligeramente interrumpido.													
LFMX 2.0-.16SL12M2	**T8330**	0.2	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	–	12
LFMX 2.0-.16SL6M2	**T8330**	0.2	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	–	6

Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P			M			K			N			S			H			PSIRR	PSIRL
				vc (m/min)	f (mm/rev)		vc (m/min)	f (mm/rev)		vc (m/min)	f (mm/rev)		vc (m/min)	f (mm/rev)		vc (m/min)	f (mm/rev)		vc (m/min)	f (mm/rev)	(°)	(°)
																						
Geometría SL-M2 con diseño a izquierda para tronzado con corte contínuo y ligeramente interrumpido.																						
LFMX 3.1-.20SL8M2	**T8330**	0.2	■	130	0.11	◪	75	0.10	◪	120	0.11		–	–		–	–		–	–	–	8
LFMX 4.1-.20SL8M2	**T8330**	0.2	■	130	0.15	◪	75	0.14	◪	120	0.15		–	–		–	–		–	–	–	8
																						
Geometría TN-M2 para tronzado y ranurado con corte contínuo y ligeramente interrumpido.																						
LFMX 3.1-.20TNM2	**6640**	0.2	■	150	0.15	◪	90	0.14	◪	140	0.15		–	–		–	–		–	–	–	–
	T8330	0.2	■	130	0.15	◪	75	0.14	◪	120	0.15		–	–		–	–		–	–	–	–
LFMX 4.1-.20TNM2	**6640**	0.2	■	150	0.15	◪	90	0.14	◪	140	0.15		–	–		–	–		–	–	–	–
	T8330	0.2	■	130	0.15	◪	75	0.14	◪	120	0.15		–	–		–	–		–	–	–	–

XLCFN B

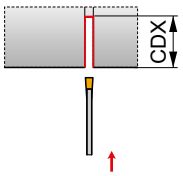
P M K N S H

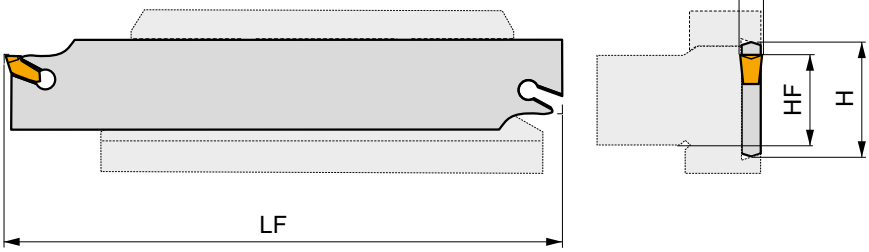
PRAMET

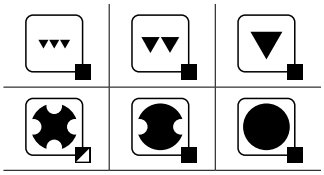
X

Lama de Tronzado con Dos Posiciones para Plaquitas LFMX

Lama para aplicaciones de tronzado hasta 80 mm de profundidad máxima o barra de Ø160 mm. Adecuado para plaquitas LFMX de una sola cara. Disponible en alturas de 26, 32 o 45 mm. Se puede colocar en los soportes básicos Pramet DU. Lama tratada para una mayor vida útil de la herramienta.







	Producto	HF (mm)	H (mm)	LF (mm)	CW (mm)	CDX (mm)	kg		
N	**XLCFN 2601 J 1.60**	21.4	26	110	1.50	15	0.03	GI132	KV
	XLCFN 2601 J 2.00	21.4	26	110	2.00	25	0.04	GI061	KV
	XLCFN 2602 J 3.00	21.4	26	110	3.10	37.5	0.05	GI001	KV
	XLCFN 2603 J 4.00	21.4	26	110	4.10	40	0.06	GI002	KV
	XLCFN 3201 M 1.60	25	32	150	1.50	15	0.06	GI132	KV
	XLCFN 3201 M 2.00	25	32	150	2.00	25	0.11	GI061	KV
	XLCFN 3202 M 3.00	25	32	150	3.10	50	0.08	GI001	KV
	XLCFN 3203 M 4.00	25	32	150	4.10	50	0.11	GI002	KV
	XLCFN 3204 M 5.00	25	32	150	5.10	60	0.14	GI004	KV
	XLCFN 3205 M 6.35	25	32	150	6.35	60	0.17	GI005	KV
	XLCFN 4502 S 3.00	32	45	250	3.10	80	0.12	GI001	KV
	XLCFN 4503 S 4.00	32	45	250	4.10	80	0.19	GI002	KV
	XLCFN 4504 S 5.00	32	45	250	5.10	80	0.28	GI004	KV
	XLCFN 4505 S 6.35	32	45	250	6.35	80	0.40	GI005	KV

GI001	LFMX 3.1-.	–
GI002	LFMX 4.1-.	–
GI004	LFMX 5.1-.	–
GI005	LFMX 6.35-.	–
GI061	LFMX 2.0-.	LFMX 2.2-.
GI132	LFMX 1.5-.	LFMX 1.6-.

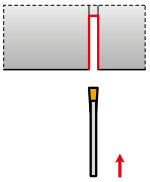
KV	KV 5x70

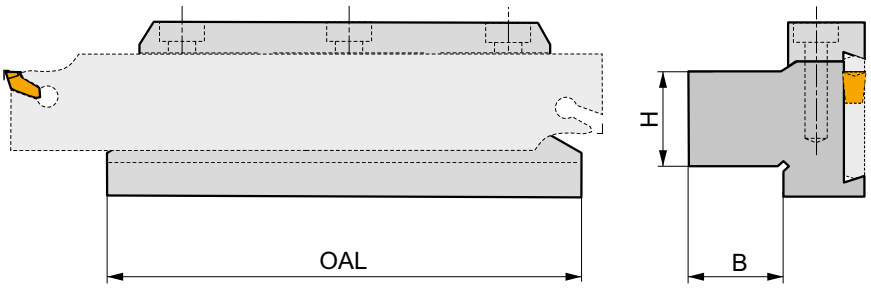
DU, D

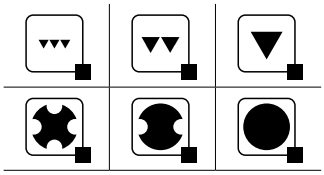
PRAMET

Bloque Portalamas para Lamas de Tronzado

Portaherramientas para lamas de tronzado GL o XLC. Disponible con mangos de 20x20 hasta 40x40. Cuerpo tratado para una vida útil más larga.







Producto	H (mm)	B (mm)	OAL (mm)	kg		
26-DU 2020	20	20	90	0.70	GI007	ND2
26-D 2020	20	20	100	0.82	GI007	ND2
32-DU 2523	25	23	110	1.02	GI008	ND2
32-DU 2532	25	32	110	1.10	GI008	ND2
32-DU 3229	32	29	110	1.25	GI008	ND2
32-D 2530	25	30	115	1.30	GI008	ND2
45-DU 3229	32	29	110	1.50	GI009	ND7
45-DU 4036	40	36	110	2.05	GI009	ND7
47-D 4040	40	40	150	3.88	GI091	ND3

GI007	XLC.N 26..	GL.-S26.B
GI008	XLC.N 32..	GL.-S32.B
GI009	XLC.N 45..	–
GI091	XLC.N 47..	–

		Nm			
ND2	HS 0625	6.0	M 6	25	HXK 5
ND3	HS 1030	8.0	M 10	30	HXK 8
ND7	HS 0630	6.0	M 6	30	HXK 5

XLCF(NRL) BS

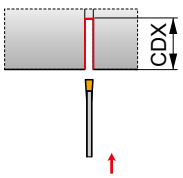
P M K N S H

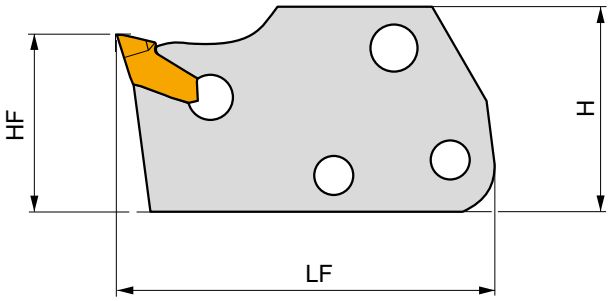
PRAMET

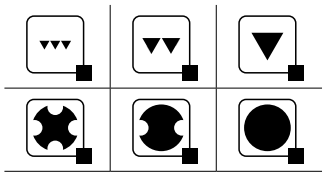
X

Lama de Ranurado Radial para Portaherramientas Modular MS-EN, para Plaquitas LFMX

Lama modular para ranurado con plaquitas LFMX de un solo filo. Adecuada para aplicaciones de ranurado o tronzado con una profundidad máxima de 25 mm. Lamas tratadas para una vida útil más larga.







	Producto	HF (mm)	H (mm)	LF (mm)	CW (mm)	CDX (mm)	kg		
R	XLCFR 160115-1.60	12	25	35	1.50	15	0.01	GI132	KV
	XLCFR 160115-2.00	12	25	35	2.00	15	0.01	GI061	KV
	XLCFR 250115-1.60	24	29	40	1.50	15	0.01	GI132	KV
	XLCFR 250115-2.00	24	29	40	2.00	15	0.05	GI061	KV
L	XLCFL 160115-1.60	12	25	35	1.50	15	0.01	GI132	KV
	XLCFL 160115-2.00	12	25	35	2.00	15	0.04	GI061	KV
	XLCFL 250115-1.60	24	29	40	1.50	15	0.01	GI132	KV
	XLCFL 250115-2.00	24	29	40	2.00	15	0.05	GI061	KV
N	XLCFN 160215-3.00	12	25	35	3.10	15	0.01	GI001	KV
	XLCFN 160220-3.00	12	25	40	3.10	20	0.02	GI001	KV
	XLCFN 250215-3.00	24	29	40	3.10	15	0.02	GI001	KV
	XLCFN 250225-3.00	24	29	50	3.10	25	0.02	GI001	KV
	XLCFN 250315-4.00	24	29	40	4.10	15	0.02	GI002	KV
	XLCFN 250325-4.00	24	29	50	4.10	25	0.03	GI002	KV
	XLCFN 250425-5.00	24	29	50	5.10	25	0.04	GI004	KV
	XLCFN 250525-6.35	24	29	50	6.35	25	0.04	GI005	KV

GI001	LFMX 3.1-.	–
GI002	LFMX 4.1-.	–
GI004	LFMX 5.1-.	–
GI005	LFMX 6.35-.	–
GI061	LFMX 2.0-.	LFMX 2.2-.
GI132	LFMX 1.5-.	LFMX 1.6-.

KV	KV 5x70

XLXFL BS AXIAL

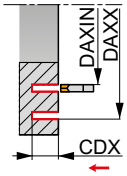
P M K N S H

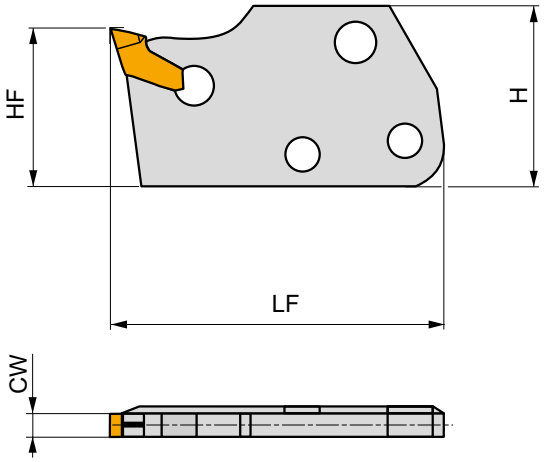
PRAMET

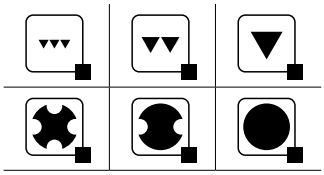
X

Lama de Ranurado Frontal para Portaherramientas Modular MS-EN, para Plaquitas LFMX

Lama modular para ranurado con plaquitas LFMX 3.1 de un solo filo. Adecuada para aplicaciones de ranurado frontal con una profundidad máxima de 20 mm. Se puede montar en portaherramientas MS-EN. Lamas tratadas para una vida útil más larga.





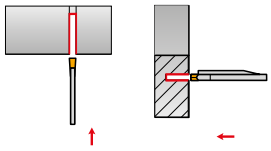


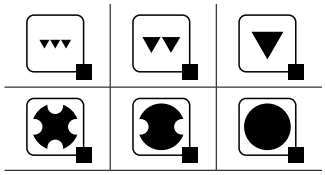
	Producto	H (mm)	HF (mm)	LF (mm)	CW (mm)	CDX (mm)	DAXIN (mm)	DAXX (mm)	kg		
L	**XLXFL 250220-3.00-60**	29	24	46	3.10	20	60	85	0.07	GI001	KV
	XLXFL 250220-3.00-80	29	24	46	3.10	20	80	105	0.05	GI001	KV
	XLXFL 250220-3.00-100	29	24	46	3.10	20	100	155	0.03	GI001	KV
	XLXFL 250220-3.00-150	29	24	46	3.10	20	150	280	0.03	GI001	KV

GI001	LFMX 3.1-.

KV	KV 5x70

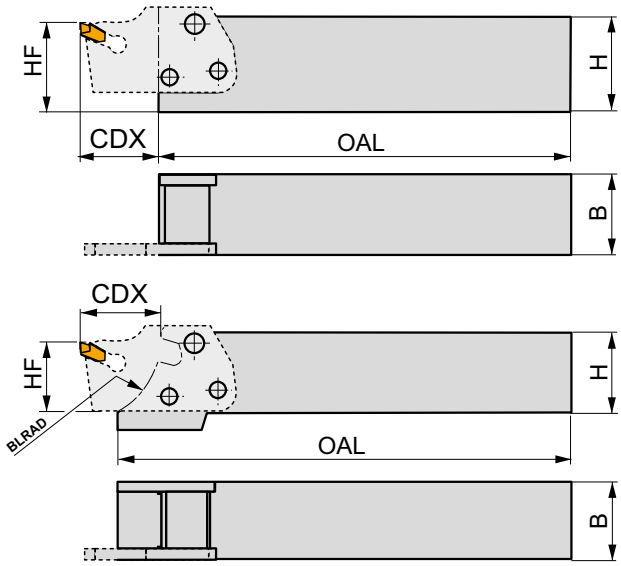
PRAMET





Portaherramientas Modular para Lamas de Ranurado XLCCN, XLCF(NRL) o XLXFL

Portaherramientas modular para lamas de ranurado XLC 25 BS, XLCF(NRL) BS o de ranurado frontal XLXFL BS. Disponible con mangos de 12x12 hasta 32x25. Cuerpo tratado para una vida útil más larga.



Producto	HF (mm)	H (mm)	B (mm)	OAL (mm)	CDX (mm)	BLRAD (mm)	kg		
MS-EN-1212 F	12	12	12	75	15	–	0.13	GI006	ND4
MS-EN-1616 H	16	16	16	90	15	–	0.21	GI006	ND4
MS-EN-2020 K	20	20	20	115	15	–	0.23	GI003	ND5
MS-EN-2020 KS	20	20	20	129	15	25	0.42	GI060	ND5
MS-EN-2525 M	25	25	25	140	15	–	0.65	GI003	ND5
MS-EN-2525 MS	25	25	25	153	15	25	0.74	GI060	ND5
MS-EN-3225 P	32	32	25	160	15	–	0.95	GI003	ND5
MS-EN-3225 PS	32	32	25	174	15	25	1.00	GI060	ND5

GI003	XLC.. 25..15...	XLXFL 25…	XLC.. 25..25…
GI006	XLCF. 16..15…	XLCF. 16..20…	–
GI060	XLC.. 25..15…	XLC.. 25..25…	–

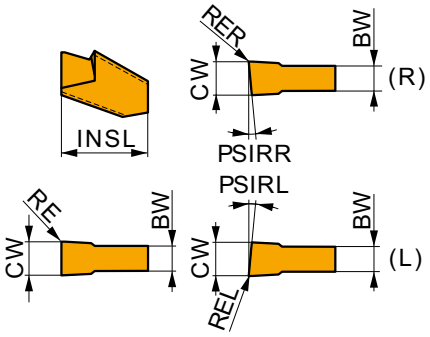
		Nm				Nm			
ND4	US 4011-T15P	3.5	M 4	10.6	–	–	–	–	FLAG T15P
ND5	US 45013-T20P	5.0	M 5	13	US 46017-T20P	5.0	M6	17	FLAG T15P

ND4 =3 x US 4011-T15P; ND5=2 x US 45013-T20P

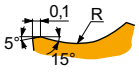
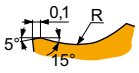
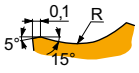
LFUX

PRAMET

	CW (mm)	BW (mm)	INSL (mm)
0308	3.00	2.51	11.5
0408	4.00	3.44	11.5
0508	5.00	4.30	11.5
0608	6.00	5.30	11.5



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	PSIRR (°)	PSIRL (°)
																
Geometría TN para tronzado y ranurado con corte contínuo y ligeramente interrumpido.																
LFUX 030802TN	**6640**	0.2	150	0.10	–	–	140	0.10	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.10	–	–	120	0.10	–	–	–	–	–	–	–	–
LFUX 040802TN	**6640**	0.2	150	0.12	–	–	140	0.12	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.12	–	–	120	0.12	–	–	–	–	–	–	–	–
LFUX 050802TN	**6640**	0.2	150	0.15	–	–	140	0.15	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.15	–	–	120	0.15	–	–	–	–	–	–	–	–
LFUX 060802TN	**6640**	0.2	150	0.20	–	–	140	0.20	–	–	–	–	–	–	–	–
	T8330	0.2	130	0.20	–	–	120	0.20	–	–	–	–	–	–	–	–
																
Geometría TR, a derecha, para tronzado con corte contínuo y ligeramente interrumpido.																
LFUX 030800TR	**6640**	0.2	150	0.10	–	–	140	0.10	–	–	–	–	–	–	5	–
	T8330	0.2	130	0.10	–	–	120	0.10	–	–	–	–	–	–	5	–
LFUX 040800TR	**6640**	0.2	150	0.12	–	–	140	0.12	–	–	–	–	–	–	5	–
	T8330	0.2	130	0.12	–	–	120	0.12	–	–	–	–	–	–	5	–
																
Geometría TL a izquierda, para tronzado con corte contínuo a ligeramente interrumpido.																
LFUX 030800TL	**6640**	0.2	150	0.10	–	–	140	0.10	–	–	–	–	–	–	–	5
	T8330	0.2	130	0.10	–	–	120	0.10	–	–	–	–	–	–	–	5

XLCF(RL)

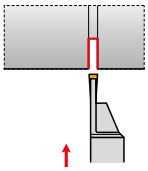
P M K N S H

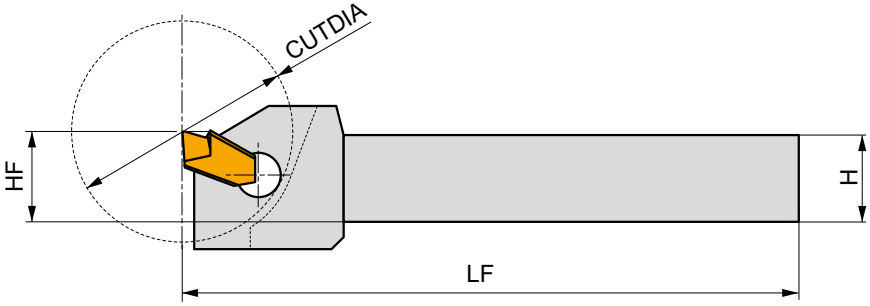
PRAMET

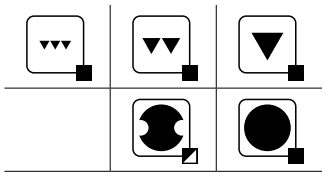
X

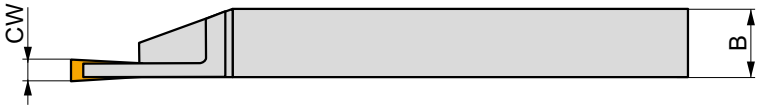
Herramienta de Tronzado y Ranurado Exterior para Plaquitas LFUX

Portaherramientas de ranurado radial exterior a derecha o izquierda, para ranurado con plaquitas de un solo filo LFUX 0308, 0408, 0508 o 0608. Adecuado para aplicaciones de tronzado hasta un diámetro máximo de Ø65 mm . Disponible con mangos de 16x12 hasta 32x25 mm. Cuerpo tratado para una vida útil más larga.









	Producto	HF (mm)	H (mm)	B (mm)	LF (mm)	CW (mm)	CUTDIA (mm)	kg		
R	XLCFR 1612 H 03	16	16	12	100	3.00	40	0.14	GI018	KV
	XLCFR 2016 K 03	20	20	16	130	3.00	50	0.30	GI018	KV
	XLCFR 2520 K 03	25	25	20	130	3.00	50	0.44	GI018	KV
	XLCFR 2016 K 04	20	20	16	130	4.00	50	0.30	GI019	KV
	XLCFR 2520 K 04	25	25	20	130	4.00	50	0.43	GI019	KV
	XLCFR 2520 K 05	25	25	20	130	5.00	50	0.45	GI020	KV
	XLCFR 3225 P 05	32	32	25	170	5.00	65	0.90	GI020	KV
	XLCFR 3225 P 06	32	32	25	170	6.00	65	0.91	GI021	KV
L	XLCFL 1612 H 03	16	16	12	100	3.00	40	0.15	GI018	KV
	XLCFL 2016 K 03	20	20	16	130	3.00	50	0.30	GI018	KV
	XLCFL 2520 K 03	25	25	20	130	3.00	50	0.47	GI018	KV
	XLCFL 2016 K 04	20	20	16	130	4.00	50	0.30	GI019	KV
	XLCFL 2520 K 04	25	25	20	130	4.00	50	0.46	GI019	KV
	XLCFL 2520 K 05	25	25	20	130	5.00	50	0.50	GI020	KV
	XLCFL 3225 P 05	32	32	25	170	5.00	65	0.95	GI020	KV
	XLCFL 3225 P 06	32	32	25	170	6.00	65	0.70	GI021	KV

GI018	LFUX 0308..
GI019	LFUX 0408..
GI020	LFUX 0508..
GI021	LFUX 0608..

KV	KV 5x70

XLCFN B LFUX

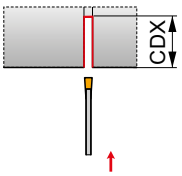
P M K N S H

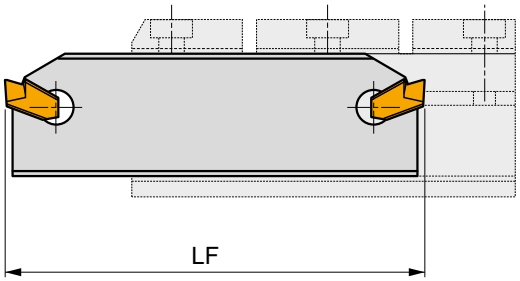
PRAMET

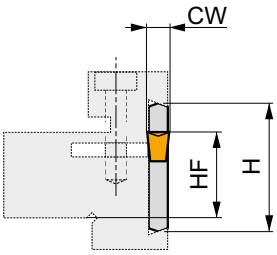
X

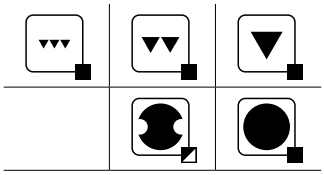
Lama de Tronzado con Dos Posiciones para Plaquitas LFUX

Lama para aplicaciones de tronzado hasta 100 mm de profundidad máxima o barra de Ø200 mm. Adecuado para plaquitas LFUX de una sola cara. Disponible en alturas de 26, 32 o 47 mm. Se puede colocar en los soportes básicos Pramet DU y D. Lama tratada para una mayor vida útil de la herramienta.









	Producto	HF (mm)	H (mm)	LF (mm)	CW (mm)	CDX (mm)	kg		
N	**XLCFN 2603 J 03**	21.4	26	110	3.10	37.5	0.06	GI018	KV
	XLCFN 3202 M 03	25	32	150	3.10	50	0.09	GI018	KV
	XLCFN 3203 M 04	25	32	150	4.10	50	0.11	GI019	KV
	XLCFN 3204 M 05	25	32	150	5.10	60	0.14	GI020	KV
	XLCFN 4704 S 05	38	47	270	5.10	100	0.47	GI020	KV
	XLCFN 4705 S 06	38	47	270	6.10	100	0.50	GI021	KV

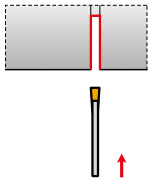
GI018	LFUX 0308..
GI019	LFUX 0408..
GI020	LFUX 0508..
GI021	LFUX 0608..

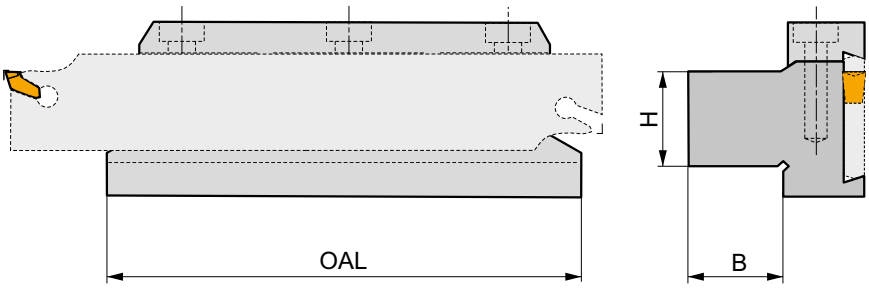
KV	KV 5x70

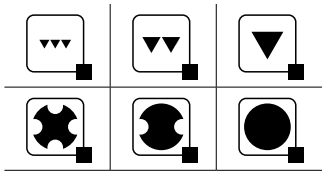
DU, D

Bloque Portalamas para Lamas de Tronzado

Portaherramientas para lamas de tronzado GL o XLC. Disponible con mangos de 20x20 hasta 40x40. Cuerpo tratado para una vida útil más larga.







Producto	H (mm)	B (mm)	OAL (mm)	kg		
26-DU 2020	20	20	90	0.70	GI007	ND2
26-D 2020	20	20	100	0.82	GI007	ND2
32-DU 2523	25	23	110	1.02	GI008	ND2
32-DU 2532	25	32	110	1.10	GI008	ND2
32-DU 3229	32	29	110	1.25	GI008	ND2
32-D 2530	25	30	115	1.30	GI008	ND2
45-DU 3229	32	29	110	1.50	GI009	ND7
45-DU 4036	40	36	110	2.05	GI009	ND7
47-D 4040	40	40	150	3.88	GI091	ND3

GI007	XLC.N 26..	GL.-S26.B
GI008	XLC.N 32..	GL.-S32.B
GI009	XLC.N 45..	–
GI091	XLC.N 47..	–

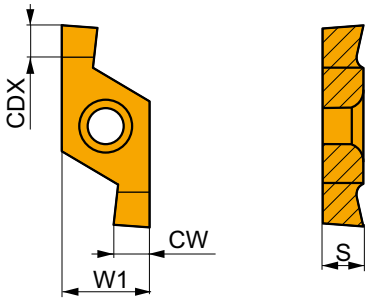
		Nm			
ND2	HS 0625	6.0	M 6	25	HXK 5
ND3	HS 1030	8.0	M 10	30	HXK 8
ND7	HS 0630	6.0	M 6	30	HXK 5

NEW

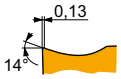
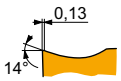
X 61

PRAMET

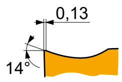
	W1	CWTOLL	CWTOLU	S
	(mm)	(mm)	(mm)	(mm)
0602	6.350	-0.03	0.03	2.33



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
																
			X 61-R exterior e interior, a derecha, para mecanizado de ranuras para anillos circlip con corte continuo.													
X61 0602-080 R	**6640**	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.85	0.8
	G8330	–	145	0.06	85	0.05	135	0.06	–	–	–	–	–	–	0.85	0.8
X61 0602-090 R	**6640**	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.95	0.8
	G8330	–	145	0.06	85	0.05	135	0.06	–	–	–	–	–	–	0.95	0.8
X61 0602-100 R	**6640**	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	1.05	0.8
	G8330	–	145	0.06	85	0.05	135	0.06	–	–	–	–	–	–	1.05	0.8
X61 0602-110 R	**6640**	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.15	1.2
	G8330	–	140	0.06	80	0.05	130	0.06	–	–	–	–	–	–	1.15	1.2
X61 0602-130 R	**6640**	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.35	1.4
	G8330	–	140	0.06	80	0.05	130	0.06	–	–	–	–	–	–	1.35	1.4
X61 0602-150 R	**6640**	–	180	0.06	105	0.05	170	0.06	–	–	–	–	–	–	1.55	1.6
	G8330	–	135	0.06	80	0.05	125	0.06	–	–	–	–	–	–	1.55	1.6
X61 0602-160 R	**6640**	–	180	0.06	105	0.05	170	0.06	–	–	–	–	–	–	1.65	1.7
	G8330	–	135	0.06	80	0.05	125	0.06	–	–	–	–	–	–	1.65	1.7
X61 0602-185 R	**6640**	–	150	0.09	90	0.08	140	0.09	–	–	–	–	–	–	1.90	2
	G8330	–	120	0.09	70	0.08	110	0.09	–	–	–	–	–	–	1.90	2
X61 0602-200 R	**G8330**	–	115	0.09	65	0.08	105	0.09	–	–	–	–	–	–	2.05	2.2
X61 0602-215 R	**6640**	–	145	0.09	85	0.08	135	0.09	–	–	–	–	–	–	2.20	2.4
	G8330	–	115	0.09	65	0.08	105	0.09	–	–	–	–	–	–	2.20	2.4
X61 0602-250 R	**G8330**	–	115	0.09	65	0.08	105	0.09	–	–	–	–	–	–	2.55	2.6
X61 0602-265 R	**6640**	–	125	0.12	75	0.11	115	0.12	–	–	–	–	–	–	2.70	2.7
	G8330	–	105	0.12	60	0.11	95	0.12	–	–	–	–	–	–	2.70	2.7
X61 0602-300 R	**6640**	–	125	0.12	75	0.11	115	0.12	–	–	–	–	–	–	3.05	3
	G8330	–	105	0.12	60	0.11	95	0.12	–	–	–	–	–	–	3.05	3
X61 0602-315 R	**6640**	–	125	0.12	75	0.11	115	0.12	–	–	–	–	–	–	3.20	3
	G8330	–	105	0.12	60	0.11	95	0.12	–	–	–	–	–	–	3.20	3
																
			X 61-L exterior e interior, a izquierda, para mecanizado de ranuras para anillos circlip con corte continuo.													
X61 0602-080 L	**6640**	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.85	0.8
	G8330	–	145	0.06	85	0.05	135	0.06	–	–	–	–	–	–	0.85	0.8
X61 0602-090 L	**6640**	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.95	0.8
	G8330	–	145	0.06	85	0.05	135	0.06	–	–	–	–	–	–	0.95	0.8
X61 0602-100 L	**6640**	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	1.05	0.8
	G8330	–	145	0.06	85	0.05	135	0.06	–	–	–	–	–	–	1.05	0.8
X61 0602-110 L	**6640**	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.15	1.2
	G8330	–	140	0.06	80	0.05	130	0.06	–	–	–	–	–	–	1.15	1.2
X61 0602-130 L	**6640**	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.35	1.4
	G8330	–	140	0.06	80	0.05	130	0.06	–	–	–	–	–	–	1.35	1.4

Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.



X 61-L exterior e interior, a izquierda, para mecanizado de ranuras para anillos circlip y juntas tóricas con corte contínuo.

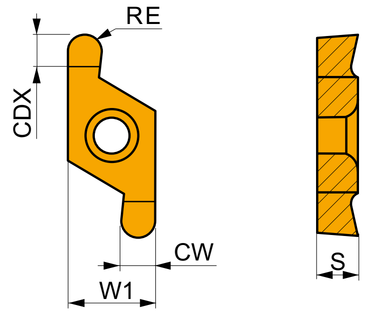
Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
X61 0602-150 L	6640	–	■ 180	0.06	◩ 105	0.05	◩ 170	0.06	–	–	–	–	–	–	1.55	1.6
	G8330	–	■ 135	0.06	◩ 80	0.05	◩ 125	0.06	–	–	–	–	–	–	1.55	1.6
X61 0602-160 L	6640	–	■ 180	0.06	◩ 105	0.05	◩ 170	0.06	–	–	–	–	–	–	1.65	1.7
	G8330	–	■ 135	0.06	◩ 80	0.05	◩ 125	0.06	–	–	–	–	–	–	1.65	1.7
X61 0602-185 L	6640	–	■ 150	0.09	◩ 90	0.08	◩ 140	0.09	–	–	–	–	–	–	1.90	2
	G8330	–	■ 120	0.09	◩ 70	0.08	◩ 110	0.09	–	–	–	–	–	–	1.90	2
X61 0602-200 L	G8330	–	■ 115	0.09	◩ 65	0.08	◩ 105	0.09	–	–	–	–	–	–	2.05	2.2
X61 0602-215 L	6640	–	■ 145	0.09	◩ 85	0.08	◩ 135	0.09	–	–	–	–	–	–	2.20	2.4
	G8330	–	■ 115	0.09	◩ 65	0.08	◩ 105	0.09	–	–	–	–	–	–	2.20	2.4
X61 0602-250 L	G8330	–	■ 115	0.09	◩ 65	0.08	◩ 105	0.09	–	–	–	–	–	–	2.55	2.6
X61 0602-265 L	6640	–	■ 125	0.12	◩ 75	0.11	◩ 115	0.12	–	–	–	–	–	–	2.70	2.7
	G8330	–	■ 105	0.12	◩ 60	0.11	◩ 95	0.12	–	–	–	–	–	–	2.70	2.7
X61 0602-300 L	6640	–	■ 125	0.12	◩ 75	0.11	◩ 115	0.12	–	–	–	–	–	–	3.05	3
	G8330	–	■ 105	0.12	◩ 60	0.11	◩ 95	0.12	–	–	–	–	–	–	3.05	3
X61 0602-315 L	6640	–	■ 125	0.12	◩ 75	0.11	◩ 115	0.12	–	–	–	–	–	–	3.20	3
	G8330	–	■ 105	0.12	◩ 60	0.11	◩ 95	0.12	–	–	–	–	–	–	3.20	3

NEW

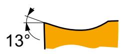
X 61 R

PRAMET

	W1 (mm)	CWTOLL (mm)	CWTOLU (mm)	S (mm)
0602	6.350	-0.03	0.03	2.33

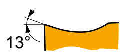


Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.



X 61 R-R exterior e interior, a derecha, para mecanizado de ranuras para juntas toricas con corte continuo.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
X61 0602-R100 R	6640	1.0	■ 170	0.06	◩ 100	0.05	◩ 160	0.06	–	–	–	–	–	–	2.09	3
	G8330	1.0	■ 130	0.06	◩ 75	0.05	◩ 120	0.06	–	–	–	–	–	–	2.09	3
X61 0602-R150 R	6640	1.5	■ 170	0.06	◩ 100	0.05	◩ 160	0.06	–	–	–	–	–	–	3.09	3
	G8330	1.5	■ 130	0.06	◩ 75	0.05	◩ 120	0.06	–	–	–	–	–	–	3.09	3



X 61 R-L exterior e interior, a izquierda, para mecanizado de ranuras para juntas toricas con corte continuo.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
X61 0602-R100 L	6640	1.0	■ 170	0.06	◩ 100	0.05	◩ 160	0.06	–	–	–	–	–	–	2.09	3
	G8330	1.0	■ 130	0.06	◩ 75	0.05	◩ 120	0.06	–	–	–	–	–	–	2.09	3
X61 0602-R150 L	6640	1.5	■ 170	0.06	◩ 100	0.05	◩ 160	0.06	–	–	–	–	–	–	3.09	3
	G8330	1.5	■ 130	0.06	◩ 75	0.05	◩ 120	0.06	–	–	–	–	–	–	3.09	3

NEW

P61(RL) EXT

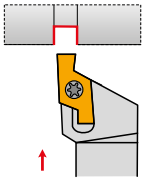
P M K N S

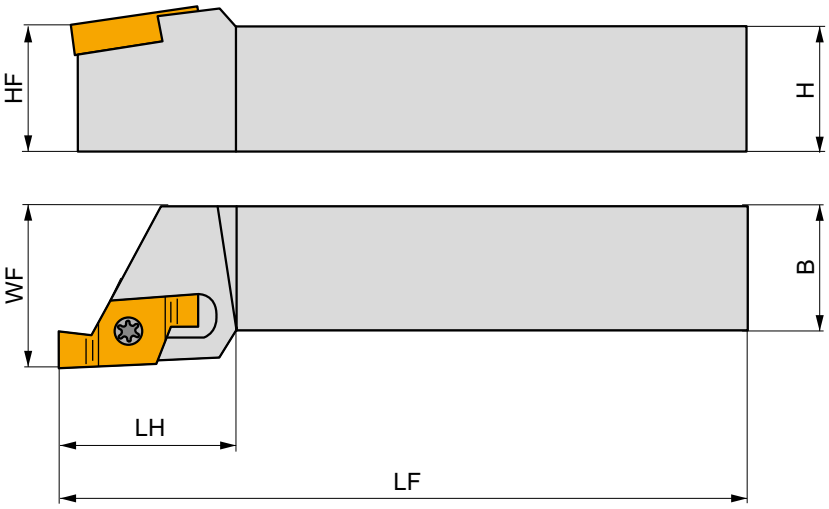
PRAMET

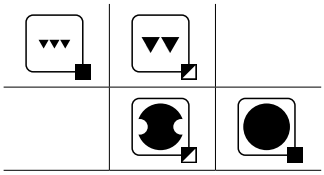
S

Herramienta de Ranurado Exterior para Plaquitas X61 para Anillos Circlip y Juntas Tóricas

Portaherramientas de ranurado radial exterior a derecha o izquierda, para mecanizado con plaquitas de doble filo X61 de ranuras para anillos circlip o juntas tóricas. Ofrece una acción de corte muy suave para alcanzar tolerancias estrechas. Disponible con mangos de 16x16 hasta 25x25 mm. Cuerpo tratado para una vida útil más larga.







	Producto	HF (mm)	H (mm)	B (mm)	WF (mm)	LF (mm)	LH (mm)	kg		
R	P61.SFR-1616H-06	16	16	16	20	100	21	0.23	GI332	SV11
	P61.SFR-2020K-06	20	20	20	25	125	25	0.40	GI332	SV11
	P61.SFR-2525M-06	25	25	25	32	150	32	0.73	GI332	SV11
L	P61.SFL-1616H-06	16	16	16	20	100	21	0.23	GI332	SV11
	P61.SFL-2020K-06	20	20	20	25	125	25	0.42	GI332	SV11
	P61.SFL-2525M-06	25	25	25	32	150	32	0.73	GI332	SV11

GI332	X61 0602..

		Nm			
SV11	US 2003-T07P	0.8	M 2.5	6.5	FLAG T07P

NEW

P61(RL) INT

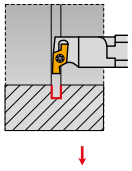
P M K N S

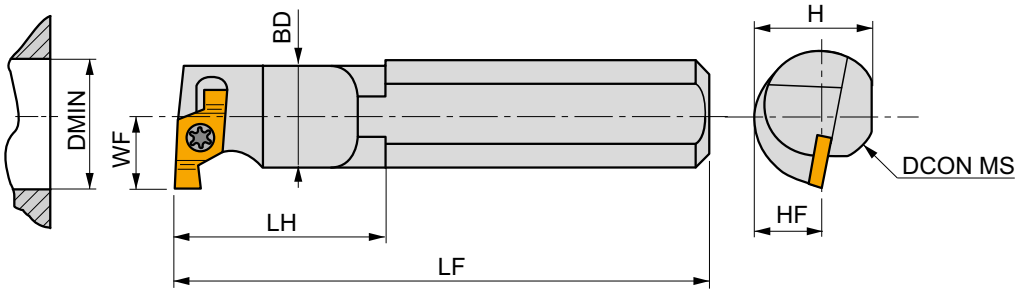
PRAMET

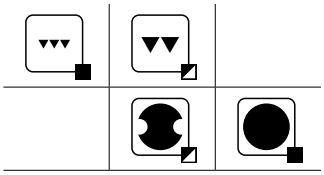
S

Portaherramientas de Ranurado Interior para Plaquitas X61 para Ranuras Circlip.

Portaherramientas de interior a derecha o izquierda para ranurado con plaquitas X61 de doble filo. Agujero mínimo de Ø16 mm. Adecuado para mecanizado interior de ranuras para anillos circlip y juntas tóricas. Disponible con mangos de Ø12 hasta Ø32 mm. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	H (mm)	LF (mm)	LH (mm)	KAPR (°)		kg		
R	**P61.SGR-0012M-06**	12	16	11.5	9	11	150	22	0	–	0.17	GI332	SV11
	P61.SGR-A-0016M-06	16	20	15	11	15	150	29	0	✓	0.21	GI332	SV11
	P61.SGR-A-0020P-06	20	25	19	13	18	170	29	0	✓	0.38	GI332	SV11
	P61.SGR-A-0025R-06	25	32	24	17	23	200	31	0	✓	0.70	GI332	SV11
	P61.SGR-A-0032T-06	32	40	31	22	30	300	49	0	✓	1.72	GI332	SV11
L	**P61.SGL-0012M-06**	12	16	11.5	9	11	150	22	0	–	0.17	GI332	SV11
	P61.SGL-A-0016M-06	16	20	15	11	15	150	29	0	✓	0.24	GI332	SV11
	P61.SGL-A-0020P-06	20	25	19	13	18	170	29	0	✓	0.40	GI332	SV11
	P61.SGL-A-0025R-06	25	32	24	17	23	200	31	0	✓	0.72	GI332	SV11
	P61.SGL-A-0032T-06	32	40	31	22	30	300	49	0	✓	1.72	GI332	SV11

GI332	X61 0602..

		Nm			
SV11	US 2003-T07P	0.8	M 2.5	6.5	FLAG T07P

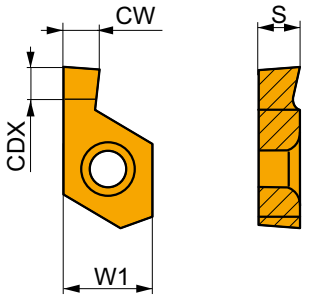
La plaquita izquierda monta en una barra a derecha

NEW

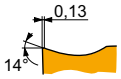
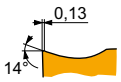
X 61-1

PRAMET

	W1	CWTOLL	CWTOLU	S
	(mm)	(mm)	(mm)	(mm)
0602	6.350	-0.03	0.03	2.33



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
																
X61 0602-080 R1	6640	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.85	0.8
X61 0602-090 R1	6640	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.95	0.8
X61 0602-110 R1	6640	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.15	1.2
X61 0602-130 R1	6640	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.35	1.4
X61 0602-160 R1	6640	–	180	0.06	105	0.05	170	0.06	–	–	–	–	–	–	1.65	1.7
X61 0602-185 R1	6640	–	150	0.09	90	0.08	140	0.09	–	–	–	–	–	–	1.90	2
X61 0602-215 R1	6640	–	145	0.09	85	0.08	135	0.09	–	–	–	–	–	–	2.20	2.2
																
X61 0602-080 L1	6640	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.85	0.8
X61 0602-090 L1	6640	–	195	0.06	115	0.05	185	0.06	–	–	–	–	–	–	0.95	0.8
X61 0602-110 L1	6640	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.15	1.2
X61 0602-130 L1	6640	–	185	0.06	110	0.05	175	0.06	–	–	–	–	–	–	1.35	1.4
X61 0602-160 L1	6640	–	180	0.06	105	0.05	170	0.06	–	–	–	–	–	–	1.65	1.7
X61 0602-185 L1	6640	–	150	0.09	90	0.08	140	0.09	–	–	–	–	–	–	1.90	2
X61 0602-215 L1	6640	–	145	0.09	85	0.08	135	0.09	–	–	–	–	–	–	2.20	2.2

X 61-1-R interior, a derecha, con un solo filo para mecanizado de ranuras para anillos circlip con corte continuo.

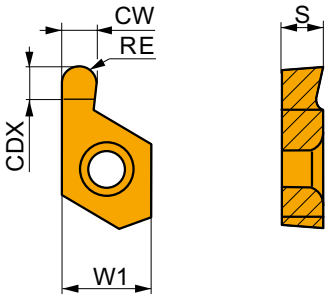
X 61-1-L interior, a izquierda, con un solo filo para mecanizado de ranuras para anillos circlip con corte continuo.

NEW

X 61 R-1

PRAMET

	W1 (mm)	CWTOLL (mm)	CWTOLU (mm)	S (mm)
0602	6.350	-0.03	0.03	2.33



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
			U E													
			X 61 R-1-R interior, a derecha, con un solo filo para mecanizado de ranuras para juntas toricas con corte continuo.													
X61 0602-R050 R1	**6640**	0.5	■ 185	0.06	◪ 110	0.05	◪ 175	0.06	–	–	–	–	–	–	1.09	1.3
X61 0602-R100 R1	**6640**	1.0	■ 170	0.06	◪ 100	0.05	◪ 160	0.06	–	–	–	–	–	–	2.09	2.8
			U E													
			X 61 R-1-L interior, a izquierda, con un solo filo para mecanizado de ranuras para juntas toricas con corte continuo.													
X61 0602-R050 L1	**6640**	0.5	■ 185	0.06	◪ 110	0.05	◪ 175	0.06	–	–	–	–	–	–	1.09	1.3
X61 0602-R100 L1	**6640**	1.0	■ 170	0.06	◪ 100	0.05	◪ 160	0.06	–	–	–	–	–	–	2.09	2.8

NEW

P61S(RL)-1 INT

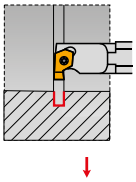
P M K N S

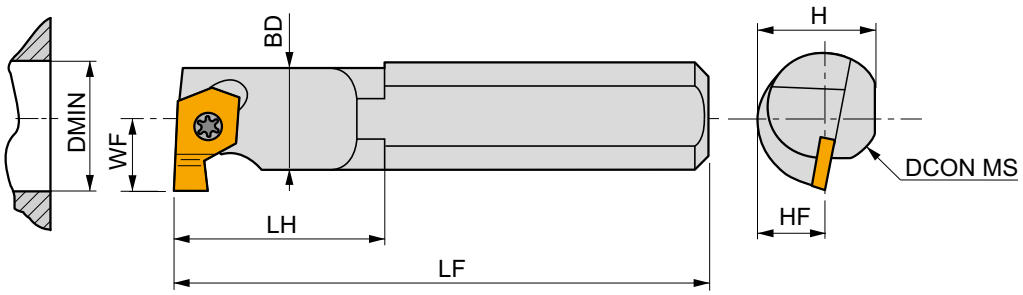
PRAMET

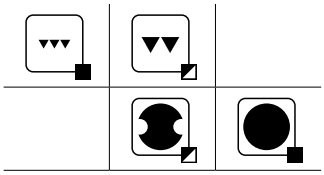
S

Portaherramientas de Ranurado Interior para Plaquitas X61-1 para Ranuras Circlip.

Portaherramientas de interior a derecha o izquierda para ranurado con plaquitas X61-1 de un solo filo. Agujero mínimo de Ø12.5 mm. Adecuado para mecanizado interior de ranuras para anillos circlip y juntas tóricas. Disponible con mangos de Ø10 y Ø12 mm. Cuerpo tratado para una vida útil más larga.







	Producto	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	H (mm)	LF (mm)	LH (mm)	KAPR (°)	kg		
R	P61.SGR-0010M-06/1	10	12.5	10	7.5	9	150	19	0	0.24	GI333	SV11
	P61.SGR-0012M-06/1	12	12.5	10	7.5	11	150	19	0	0.17	GI333	SV11
L	P61.SGL-0010M-06/1	10	12.5	10	7.5	9	150	19	0	0.13	GI333	SV11
	P61.SGL-0012M-06/1	12	12.5	10	7.5	11	150	19	0	0.17	GI333	SV11

GI333	X61 0602..-1

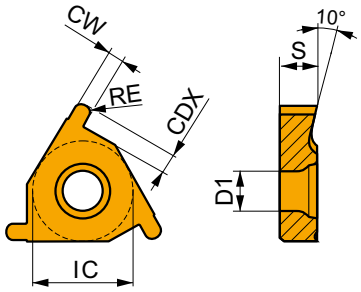
SV11	US 2003-T07P	0.8	M 2.5	6.5	FLAG T07P

La plaquita izquierda monta en una barra a derecha

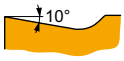
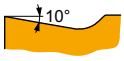
TN R EXT

PRAMET

	IC (mm)	D1 (mm)	S (mm)	CWTOLL (mm)	CWTOLU (mm)
16	9.525	3.90	3.58	0.00	0.05
22	12.700	4.90	4.70	0.00	0.05



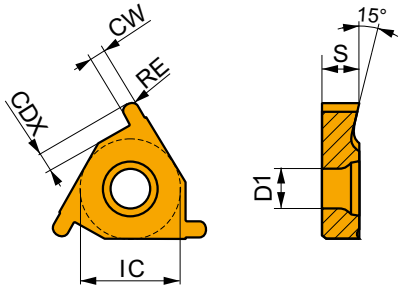
Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
			U E													
TN ER-R exterior, con diseno a derecha, para mecanizado de ranuras para juntas toricas con corte continuo.																
TN 16ER-R050	**T8330**	0.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.00	1.3
TN 16ER-R100	**T8330**	1.0	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	2.00	1.85
TN 22ER-R150	**T8330**	1.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	3.00	2.2
			U E													
TN EL-R exterior, con diseno a izquierda, para mecanizado de ranuras para juntas toricas con corte continuo.																
TN 16EL-R050	**T8330**	0.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.00	1.3
TN 16EL-R100	**T8330**	1.0	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	2.00	1.85
TN 22EL-R150	**T8330**	1.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	3.00	2.2

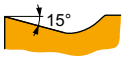
TN R INT

PRAMET

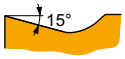
	IC (mm)	D1 (mm)	S (mm)	CWTOLL (mm)	CWTOLU (mm)
11	6.350	2.80	3.10	0.00	0.05
16	9.525	3.90	3.58	0.00	0.05
22	12.700	4.90	4.70	0.00	0.05



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CDX (mm)
			U E													
TN NR-R interior, con geometria a derecha, para mecanizado de ranuras para juntas toricas con corte continuo.																
TN 11NR-R050	**T8330**	0.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.00	1.3
TN 16NR-R100	**T8330**	1.0	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	2.00	1.85
TN 22NR-R150	**T8330**	1.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	3.00	2.2

Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		CW	CDX
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(mm)	(mm)
																

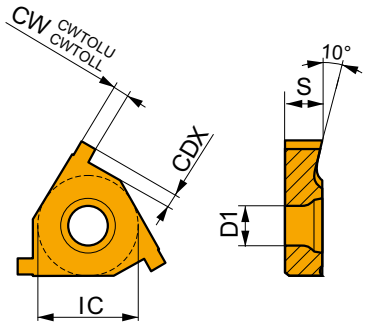
TN NL-R interior, con geometria a izquierda, para mecanizado de ranuras para juntas toricas con corte continuo.

TN 11NL-R050	**T8330**	0.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.00		1.3	
TN 16NL-R100	**T8330**	1.0	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	2.00		1.85	
TN 22NL-R150	**T8330**	1.5	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	3.00		2.2	

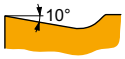
TN ZZ EXT

PRAMET

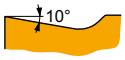
	IC (mm)	D1 (mm)	S (mm)
16	9.525	3.90	3.40
22	12.700	4.90	4.70



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		CW	CWTOLL	CWTOLU	CDX
			vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	vc (m/min)	f (mm/rev)	(mm)	(mm)	(mm)	(mm)
																		

TN ER-ZZ exterior, con diseno a derecha, para mecanizado de ranuras para anillos circlip con corte continuo.

TN 16ER090ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	0.90	0.05	0.10	0.9
TN 16ER110ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	1.10	0.05	0.10	1.3
TN 16ER130ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	1.30	0.05	0.10	1.6
TN 16ER160ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	1.60	0.05	0.10	1.85
TN 16ER185ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	1.85	0.05	0.10	1.85
TN 16ER215ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	2.15	0.05	0.10	1.85
TN 16ER265ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	2.65	0.05	0.10	2.05
TN 22ER265ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	2.65	0.08	0.13	2.2
TN 22ER315ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	3.15	0.08	0.13	2.2
TN 22ER415ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	4.15	0.08	0.13	2.4
																		

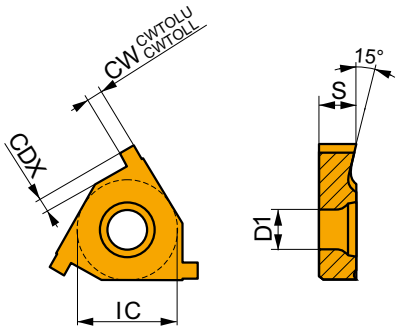
TN EL-ZZ exterior, con diseno a izquierda, para mecanizado de ranuras para anillos circlip con corte continuo.

TN 16EL090ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	0.90	0.05	0.10	0.9
TN 16EL110ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.10	0.05	0.10	1.3
TN 16EL130ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.30	0.05	0.10	1.6
TN 16EL160ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.60	0.05	0.10	1.85
TN 16EL185ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.85	0.05	0.10	1.85
TN 16EL215ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	2.15	0.05	0.10	1.85
TN 16EL265ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	2.65	0.05	0.10	2.05
TN 22EL265ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	2.65	0.08	0.13	2.2
TN 22EL315ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	3.15	0.08	0.13	2.2
TN 22EL415ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	4.15	0.08	0.13	2.4

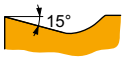
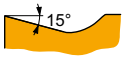
TN ZZ INT

PRAMET

	IC (mm)	D1 (mm)	S (mm)
11	6.350	2.80	3.00
16	9.525	3.90	3.40
22	12.700	4.90	4.70



Valores de inicio adecuados para la velocidad de corte (vc) y avance (f). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	P f (mm/rev)	M vc (m/min)	M f (mm/rev)	K vc (m/min)	K f (mm/rev)	N vc (m/min)	N f (mm/rev)	S vc (m/min)	S f (mm/rev)	H vc (m/min)	H f (mm/rev)	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	CDX (mm)
																		
TN NR-ZZ interior, con geometria a derecha, para mecanizado de ranuras para anillos circlip con corte continuo.																		
TN 11NR090ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	0.90	0.05	0.10	0.9
TN 11NR110ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.10	0.05	0.10	1.3
TN 16NR090ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	0.90	0.05	0.10	0.9
TN 16NR110ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.10	0.05	0.10	1.3
TN 16NR130ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.30	0.05	0.10	1.6
TN 16NR160ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.60	0.05	0.10	1.85
TN 16NR185ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.85	0.05	0.10	1.85
TN 16NR215ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	2.15	0.05	0.10	1.85
TN 16NR265ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	2.65	0.05	0.10	2.05
TN 22NR265ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	2.65	0.08	0.13	2.2
TN 22NR315ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	3.15	0.08	0.13	2.2
TN 22NR415ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	4.15	0.08	0.13	2.4
																		
TN NL-ZZ interior, con geometria a izquierda, para mecanizado de ranuras para anillos circlip con corte continuo.																		
TN 11NL090ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	0.90	0.05	0.10	0.9
TN 11NL110ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.10	0.05	0.10	1.3
TN 16NL090ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	0.90	0.05	0.10	0.9
TN 16NL110ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.10	0.05	0.10	1.3
TN 16NL130ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.30	0.05	0.10	1.6
TN 16NL160ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.60	0.05	0.10	1.85
TN 16NL185ZZ	**T8330**	–	130	0.06	75	0.05	120	0.06	–	–	–	–	–	–	1.85	0.05	0.10	1.85
TN 16NL215ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	2.15	0.05	0.10	1.85
TN 16NL265ZZ	**T8330**	–	130	0.09	75	0.08	120	0.09	–	–	–	–	–	–	2.65	0.05	0.10	2.05
TN 22NL265ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	2.65	0.08	0.13	2.2
TN 22NL315ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	3.15	0.08	0.13	2.2
TN 22NL415ZZ	**T8330**	–	130	0.12	75	0.11	120	0.12	–	–	–	–	–	–	4.15	0.08	0.13	2.4

SE(RL)

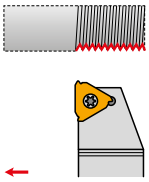
P M K N S H

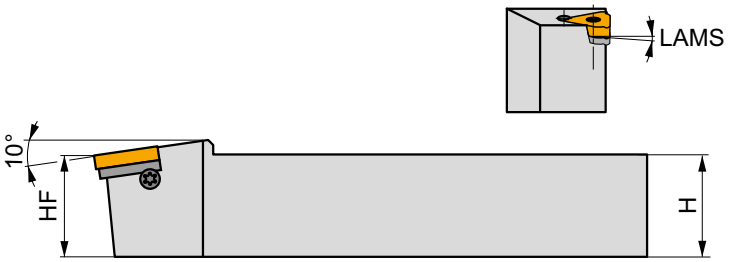
PRAMET

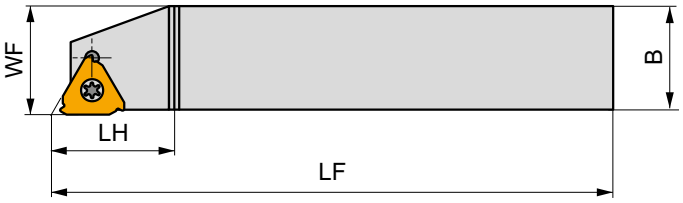
S

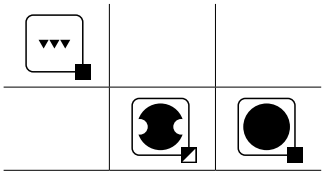
Portaherramientas de Roscado Exterior con Fijación por Tornillo para Plaquitas TN 16 o 22

Portaherramientas de roscado exterior a derecha o izquierda con fijación por tornillo para plaquitas TN16 o 22 ER/EL. Adecuado para roscas métricas y en pulgadas. Adecuado también para ranurado poco profundo. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	HF (mm)	B (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)		
R	**SER 2020 K 16**	20	20	20	20	125	22.5	–	GI068	Z12
	SER 2525 M 16	25	25	25	25	150	24	–	GI068	Z12
	SER 3225 P 16	32	32	25	25	170	24.5	–	GI068	Z12
	SER 2525 M 22-A	25	25	25	25	150	25.5	–	GI071	Z13
	SER 3225 P 22-A	32	32	25	25	170	25.5	–	GI071	Z13
L	**SEL 2020 K 16**	20	20	20	20	125	22.5	–	GI068	Z12
	SEL 2525 M 16	25	25	25	25	150	24	–	GI068	Z12
	SEL 3225 P 16	32	32	25	25	170	24.5	–	GI068	Z12
	SEL 2525 M 22-A	25	25	25	25	150	25.5	–	GI071	Z13
	SEL 3225 P 22-A	32	32	25	25	170	25.5	–	GI071	Z13

GI068	TN 16ER..	TN 16EL..
GI071	TN 22ER..	TN 22EL..

		Nm							
Z12	US 3512A-T15P	3.0	M 3.5	12.7	–	HS 0304	FLAG T15P	HXK 2.5	481
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	–	FLAG T20	–	481

SI(RL)

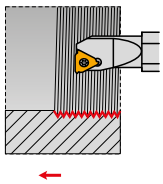
P M K N S H

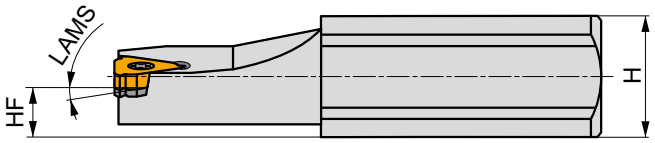
PRAMET

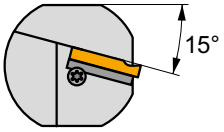
S

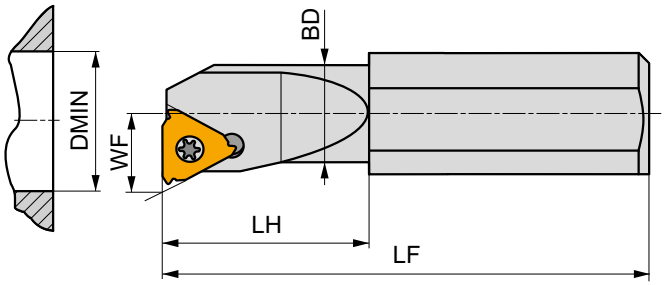
Portaherramientas de Roscado Interior con Fijación por Tornillo para Plaquitas TN 11, 16 o 22

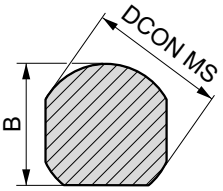
Portaherramientas de roscado interior a derecha o izquierda con fijación por tornillo para plaquitas TN11, 16 o 22 ER/EL. Adecuado para roscas métricas y en pulgadas. Agujero mínimo de Ø13 mm. Adecuado también para ranurado interior poco profundo. Disponible con mangos de Ø16 hasta Ø40. Cuerpo tratado para una vida útil más larga.

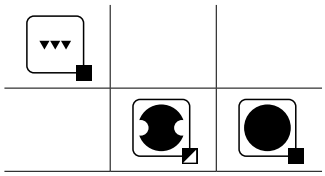












	Producto	B (mm)	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)			
R	**SIR 0010 K 11-0**	14.5	16	13	10	7.45	14	7	125	25	0	–	GI085	Z11
	SIR 0010 K 11-1	14.5	16	13	10	7.45	14	7	125	25	1	–	GI085	Z11
	SIR 0013 M 11-0	14.5	16	16	13	9	14	7	150	32	0	–	GI085	Z11
	SIR 0013 M 11-1	14.5	16	16	13	9	14	7	150	32	1	–	GI085	Z11
	SIR 1416 N 16-0	14	16	22	17	11.4	14.5	7.5	160	–	0	–	GI022	Z9
	SIR 1416 N 16-1	14	16	22	17	11.4	14.5	7.5	160	–	1	–	GI022	Z9
	SIR 1416 N 16-2	14	16	16.5	15.5	10.6	14.5	7.5	160	40	2	✓	GI022	Z10
	SIR 1820 P 16	18.5	20	27	21	13.85	18	9	170	–	–	–	GI022	Z12
	SIR 2325 Q 16	23.5	25	29	26	16.55	23	11.5	180	–	–	–	GI022	Z12
	SIR 2532 S 16	30	32	36	32	19.75	25	12.5	250	–	–	–	GI022	Z12
	SIR 2532 S 22-2	30	32	25	25	16.65	25	12.5	250	80	2	✓	GI076	Z14
	SIR 2532 S 22-A	30	32	36	32	21.65	25	12.5	250	–	–	–	GI076	Z13
	SIR 3240 T 22-A	38	40	48	40	25.85	32	16	300	–	–	–	GI076	Z13
L	**SIL 0010 K 11-0**	14.5	16	13	10	7.45	14	7	125	25	0	–	GI085	Z11
	SIL 0010 K 11-1	14.5	16	13	10	7.55	14	7	125	25	1	–	GI085	Z11
	SIL 0013 M 11-0	14.5	16	16	13	9	14	7	150	32	0	–	GI085	Z11
	SIL 0013 M 11-1	14.5	16	16	13	9	14	7	150	32	1	–	GI085	Z11
	SIL 1416 N 16-0	14	16	22	17	11.4	14.5	7.5	160	–	0	–	GI022	Z9
	SIL 1416 N 16-1	14	16	22	17	11.4	14.5	7.5	160	–	1	–	GI022	Z9
	SIL 1416 N 16-2	14	16	16.5	15.5	10.6	14.5	7.5	160	40	2	✓	GI022	Z10
	SIL 1820 P 16	18.5	20	27	21	13.85	18	9	170	–	–	–	GI022	Z12
	SIL 2325 Q 16	23.5	25	29	26	16.55	23	11.5	180	–	–	–	GI022	Z12
	SIL 2532 S 16	30	32	36	32	19.75	25	12.5	250	–	–	–	GI022	Z12
	SIL 2532 S 22-2	30	32	25	25	16.65	25	12.5	250	80	2	✓	GI076	Z14
	SIL 2532 S 22-A	30	32	36	32	21.65	25	12.5	250	–	–	–	GI076	Z13
	SIL 3240 T 22-A	38	40	48	40	25.85	32	16	300	–	–	–	GI076	Z13

GI022	TN 16NR..	TN 16NL..
GI076	TN 22NR..	TN 22NL..
GI085	TN 11NR..	TN 11NL..

Z10	US 3510A-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	–
Z11	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–	–
Z12	US 3512A-T15P	3.0	M 3.5	12.7	–	HS 0304	FLAG T15P	HXK 2.5	481
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	–	FLAG T20	–	481
Z14	US 4514A-T20	5.0	M 4.5	14	–	–	FLAG T20	–	–
Z9	US 3510A-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	P-16

Selección de la base

Ángulo de hélice λ	Positivo					Negativo		Para placas de ranurado TN16.. ... ZZ, TN22.. ... ZZ
	4.5°	3.5°	2.5°	1.5°	0.5°	-0.5°	-1.5°	
Portaherramientas	**Especificación de la base**							
SER .... .16; SIL .... .16	PE16+4.5	PE16+3.5	PE16+2.5	**PE16+1.5**	PE16+0.5	PE16-0.5	PE16-1.5	PE16ZZ
SEL .... .16; SIR .... .16	PI16+4.5	PI16+3.5	PI16+2.5	**PI16+1.5**	PI16+0.5	PI16-0.5	PI16-1.5	PI16ZZ
SER .... .22; SIL .... .22	PE22+4.5	PE22+3.5	PE22+2.5	**PE22+1.5**	PE22+0.5	PE22-0.5	PE22-1.5	PE22ZZ
SEL .... .22; SIR .... .22	PI22+4.5	PI22+3.5	PI22+2.5	**PI22+1.5**	PI22+0.5	PI22-0.5	PI22-1.5	PI22ZZ
SER-S .... .22; SIL-S .... .22	PE22S+4.5	PE22S+3.5	PE22S+2.5	**PE22S+1.5**	PE22S+0.5	PE22S-0.5	PE22S-1.5	-
SEL-S .... .22; SIR-S .... .22	PI22S+4.5	PI22S+3.5	PI22S+2.5	**PI22S+1.5**	PI22S+0.5	PI22S-0.5	PI22S-1.5	-

Nota: Normalmente los portaherramientas se suministran con un ángulo de hélice λ = 1,5°. Se puede seleccionar un ángulo de hélice diferente cambiando la base.
Las bases para portaherramientas SER-S ...., SIR-S .... están marcadas con una „***S***“

TORNEADO DE ROSCAS

TORNEADO: ÍNDICE GENERAL

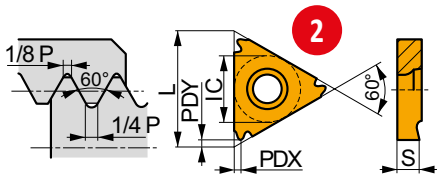
📖 6		WMG E ISO 13399
📖 10	TORNEADO ISO	INSTRUCCIONES
📖 18		NAVEGADORES
📖 57		PLAQUITAS DE CORTE POSITIVAS
📖 219		PLAQUITAS DE CORTE NEGATIVAS
📖 386		TRONZADO Y RANURADO
📖 482		**TORNEADO DE ROSCAS**
📖 528		BROCHADO
📖 536		INFORMACIÓN TÉCNICA GENERAL

1 TN M INT

PRAMET

	IC [mm]	L [mm]	S [mm]
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71

3



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Product		RE [mm]	P vc [m/min]	M vc [m/min]	K vc [m/min]	N vc [m/min]	S vc [m/min]	H vc [m/min]	TP [mm]	TPI	PDX [mm]	PDY [mm]
4	5 15°		1 U E 6									
10 TN M NR interior, con diseño a drecha, para mecanizado de roscas Métricas ISO con corte contínuo.												
TN 11NR050M	T8010	–	175	105	165	–	40	–	0.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.50	–	0.8	0.8
TN 1[7]5M	[8]	[9]	175	105	165	[11]	40	–	0.75	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.75	–	0.8	0.8
TN 11NR100M	T8010	–	175	105	165	–	40	–	1.00	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 11NR125M	T8010	–	175	105	165	–	40	–	1.25	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.25	–	0.8	0.8
TN 11NR150M	T8010	–	175	105	165	–	40	–	1.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.50	–	0.8	0.8
TN 11NR200M	T8010	–	175	105	165	–	40	–	2.00	–	0.9	0.8
	T8030	–	160	95	150	480	40	–	2.00	–	0.9	0.8
TN 16NR050M	T8010	–	175	105	165	–	40	–	0.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.50	–	0.8	0.8
TN 16NR075M	T8010	–	175	105	165	–	40	–	0.75	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.75	–	0.8	0.8
TN 16NR100M	T8010	–	175	105	165	–	40	–	1.00	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 16NR125M	T8010	–	175	105	165	–	40	–	1.25	–	0.8	0.8

TN 16NR075M:T8010 Utilice el código de especificación completo de la plaquita de corte para realizar el pedido.

- Calidad
- Incluye dos puntos
- Código ISO para la plaquita de corte

Página estándar donde se muestran paquitas; los detalles de la página específica serán diferentes.

PLAQUITAS PARA TORNEADO DE ROSCAS: PÁGINA RESUMEN

Pos.	Descripción
1	Denominación de la plaquita de corte
2	Representación esquemática de la plaquita de corte
3	Tabla de tamaños de plaquita de corte (mm)
4	Imagen representativa de una plaquita de corte
5	Perfil del filo de corte principal
6	Símbolos: características especiales y tipo de filo de corte

Pos.	Descripción
7	Código ISO para la plaquita de corte
8	Calidad
9	Radios de plaquita de corte (mm)
10	Descripción de la geometría
11	Área de aplicación de la plaquita de corte

1 **SI(RL)**

P M K N S H 2

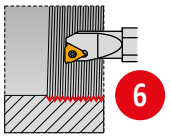
PRAMET 3 S

4

Portaherramientas de Roscado Interior con Fijación por Tornillo para Plaquitas TN 11, 16 o 22

Portaherramientas de roscado interior a derecha o izquierda con fijación por tornillo para plaquitas TN11, 16 o 22 NR/NL. Adecuado para roscas métricas y en pulgadas. Agujero mínimo de Ø13 mm. Adecuado también para ranurado interior poco profundo. Disponible con mangos de Ø16 hasta Ø40. Cuerpo tratado para una vida útil más larga.

5



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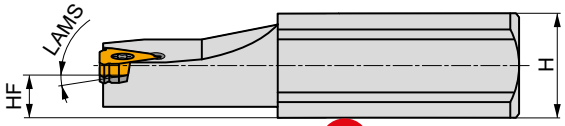

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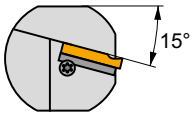
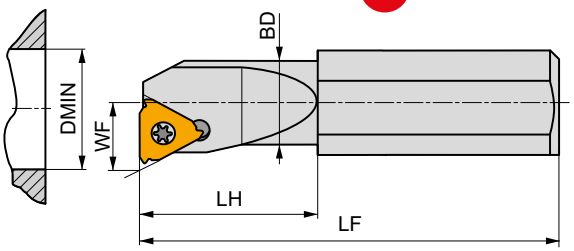
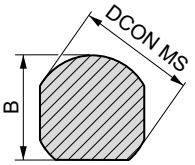
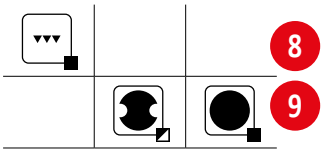








8 9

10

	Product	B [mm]	DCON MS [mm]	DMIN [mm]	BD [mm]	WF [mm]	H [mm]	HF [mm]	LF [mm]	LH [mm]	LAMS [°]	14	15	16
11	**SIR 0010 K 11-0**	14.5	16	13	10	7.45	14	7	125	25	0	–	GI085	Z11
	SIR 0010 K 11-1	14.5	16	13	10	7.45	14	7	125	25	1	–	GI085	Z11
	SIR 0013 M 11-0	14.5	16	16	13	9	14	7	150	32	0			
	SIR 0013 12	14.5	16	16	13	9	14	7	150	32	1			
	SIR 1416 N 16-0	14	16	22	17	11.4	14.5	7.5	160	–	0	–	GI022	Z9
R	**SIR 1416 N 16-1**	14	16	22	17	11.4	14.5	7.5	160	–	1	–	GI022	Z9
	SIR 1416 N 16-2	14	16	16.5	15.5	10.6	14.5	7.5	160	40	2	✓	GI022	Z10
	SIR 1820 P 16	18.5	20	27	21	13.85	18	9	170	–	–	–	GI022	Z12
	SIR 2325 Q 16	23.5	25	29	26	16.55	23	11.5	180	–	–	–	GI022	Z12
	SIR 2532 S 16	30	32	36	32	19.75	25	12.5	250	–	–	–	GI022	Z12
	SIR 2532 S 22-2	30	32	25	25	16.65	25	12.5	250	80	2	✓	GI076	Z14
	SIR 2532 S 22-A	30	32	36	32	21.65	25	12.5	250	–	–	–	GI076	Z13
	SIR 3240 T 22-A	38	40	48	40	25.85	32	16	300	–	–	–	GI076	Z13

	17	
GI022	TN 16NR..	TN 16NL..
GI076	TN 22NR..	TN 22NL..
GI085	TN 11NR..	TN 11NL..

		Nm			18				
Z10	US 3510A-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	–
Z11	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–	–
Z12	US 3512A-T15P	3.0	M 3.5	12.7	–	HS 0304	FLAG T15P	HXK 2.5	Page xx
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	–	FLAG T20	–	Page xx
Z14	US 4514A-T20	5.0	M 4.5	14	–	–	FLAG T20	–	–
Z9	US 3510A-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	P-16

Página estándar donde se muestran soportes de torneado; los detalles de la página específica serán diferentes.

SOPORTES PARA TORNEADO DE ROSCAS: PÁGINA RESUMEN

Pos.	Descripción
1	Denominación del soporte para torneado de roscas
2	Recomendaciones de grupo de material
3	Sistema de fijación de la plaquita de corte
4	Imagen [1]
5	Descripción de la herramienta
6	Perfil de la pieza
7	Representación esquemática de la herramienta
8	Calidad de superficie posible
9	Tipo de corte/condiciones de trabajo

Pos.	Descripción
10	Aplicaciones del producto
11	Diseño de la herramienta
12	Código ISO del soporte
13	Dimensiones [mm] y ángulos [2] [°] del soporte
14	Alimentación de refrigerante interna
15	Grupo de plaquitas de corte compatibles [3]
16	Grupo de piezas de repuesto [3], [4]
17	Plaquitas de corte compatibles
18	Piezas de repuesto

[1] Los portaherramientas mostrados son de diseño a derecha (R)

[2] GAMO = ángulo ortogonal (ver sección técnica)
LAMS = ángulo de desprendimiento del filo de corte (ver sección técnica)

[3] El código del grupo de plaquitas compatibles, repuestos y accesorios especiales se utiliza sólo para el uso de este catálogo. No puede ser utilizado para pedidos.

[4] Los iconos de los repuestos y accesorios especiales estan diseñados esquemáticamente para su fácil comprensión. No estan incluidos en la lista de iconos. En algunos casos, la información de los tornillos se completa con el par de apriete en Nm, longitud y tamaño de rosca.

TORNEADO DE ROSCAS: RESUMEN DE SÍMBOLOS

SÍMBOLOS GENERALES

■	Uso principal
◪	Uso posible

▼▼▼	Acabado: calidad superficial muy buena
▼▼	Mecanizado medio: calidad superficial buena
▼	Desbaste: rugosidad superficial ilimitada

●	Adecuado para condiciones de trabajo estables
	Adecuado para condiciones de trabajo inestables
	Adecuado para condiciones de trabajo muy inestables

CARACTERÍSTICAS

	Torneado de roscas exterior

	Torneado de roscas interior

RECUBRIMIENTO

	Primera elección
	Para materiales difíciles de mecanizar (viruta larga)

	Opción universal
	Filo redondeado

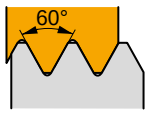
	Filo vivo

OTROS

	Par de apriete del tornillo [Nm]

	Refrigeración interna

M
Perfil completo

TN M EXT NEW


495

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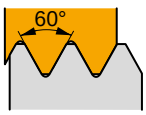
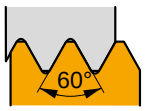


497

M
Perfil parcial

TN 60° PP EXT


499

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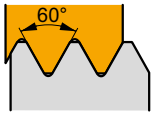

500

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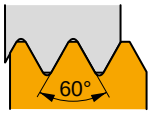

501

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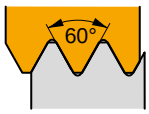
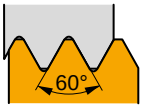


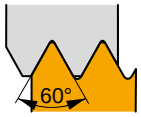
501

MJ
Perfil completo

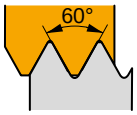
TN MJ EXT NEW


499

UN
Perfil completo

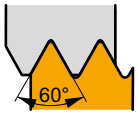
TN UN EXT


502

TN UN INT


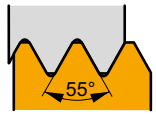
503

UNJ
Perfil completo

TN UNJ EXT NEW


504

W
Perfil completo

TN W EXT


505

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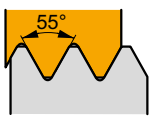
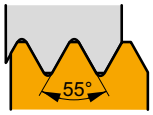


506

W
Perfil parcial

TN 55° PP EXT


508

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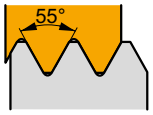
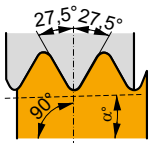
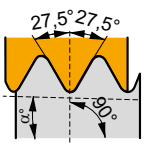


509

BSPT
Perfil completo

TN BSPT EXT


510

TN BSPT INT


510

NPT
Perfil completo

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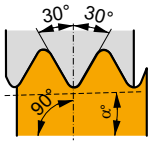

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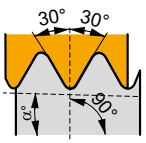
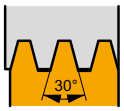


512

TR
Perfil completo

TN TR EXT


512

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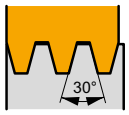

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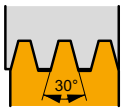

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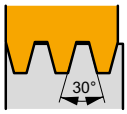
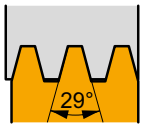


514

ACME
Perfil completo

TN ACME EXT


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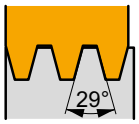
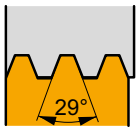


516

STACME
Perfil completo

TN STACME EXT NEW


517

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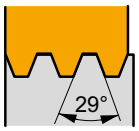
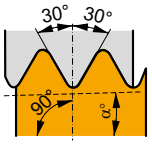
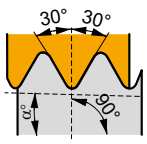


518

API RD
Perfil completo

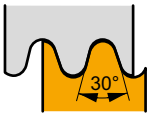
TN API RD EXT


519

TN API RD INT


519

RD
Perfil completo

TN RD EXT


520

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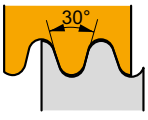


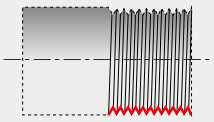
520

Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
T8010	P05 - P15 M05 - M15 K10 - K20 S10 - S15	■ ■ ■ ◪				PVD		submicron H	+ + +	Esta calidad es apta para un torneado de roscas continuo de alta precisión de aceros, acero inoxidable, fundición y superaleaciones. Ofrece una resistencia al desgaste excepcional, al mismo tiempo que garantiza la fiabilidad de funcionamiento.
T8030	P25 - P40 M20 - M35 K20 - K40 N15 - N30 S15 - S25 H15 - H25	■ ■ ■ ◪ ◪ ◪				PVD		submicron H	+ + +	Sin duda, se trata de la calidad más versátil; es idónea para el mecanizado de todo tipo de materiales y se puede utilizar en casi todas las operaciones de torneado. Sus principales beneficios son una alta fiabilidad de funcionamiento y excelentes propiedades de fricción; por tanto, se recomienda para aplicaciones con velocidades de corte de medias a bajas.
HF7	M10 - M20 K10 - K25 N10 - N25	◪ ■ ■				×		submicron H	+ +	Calidad sin recubrimiento, diseñada fundamentalmente para el mecanizado de metales no férreos; pero también se puede utilizar para otros materiales (excepto acero). Este material puede utilizarse en torneado, fresado e incluso mandrinado.

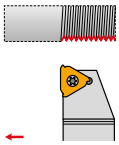
Sustrato	
submicron H	Sustrato con base de WC-Co de grano fino (<1 µm)

Recubrimiento	
PVD	Método de recubrimiento físico

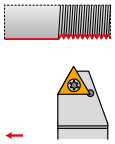
TORNEADO DE ROSCAS ISO EXTERIOR



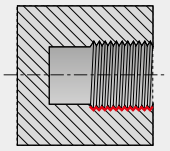
SE(RL)

	TN..
	16 22
■ 20×20 32×25	
522	459 – 521

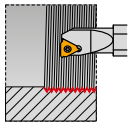
SE(RL)-S

	TN..
	22
■ 25×25 32×25	
523	459 – 521

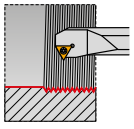
TORNEADO DE ROSCAS ISO INTERIOR



SI(RL)

	TN..
	11 16 22
ØDmin 13 48	
524	459 – 521

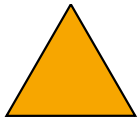
SI(RL)-S

	TN..
	22
ØDmin 39 48	
526	459 – 521

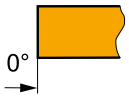
PLAQUITA DE CORTE INTERCAMBIABLES PARA ROSCADO ISO: CÓDIGO DE DENOMINACIÓN

	1	2	3	4	5	6	7		8
ISO	T	N	16	E	R	175	M	–	P1
ANSI	T	N	16	E	R	120	W	–	P1

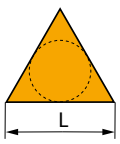
1 Forma de plaquita

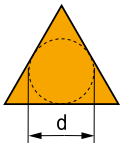
T	

2 Ángulo de incidencia

N	

3 Longitud del filo de corte (tamaño de plaquita)





L		d = IC	
(mm)	(")	(mm)	(")
11	.433"	6,350	1/4"
16	.650"	9,525	3/8"
22	.866"	12,7	1/2"

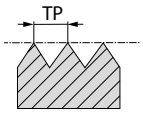
4 Exterior - Interior

E	Exterior
N	Interior

5 Dirección del corte

R	Derecha
L	Izquierda
N	Neutral

6 Paso de rosca



s × 100

Paso de rosca mm × 100

6 Nº de hilos

Nº de hilos por pulgada × 10

7 Perfil de rosca

M	Métrica 60°	TR	Trapezoidal 30° ISO 2901/3-1977
MJ	SEA MA1370	UN	Unificada Americana 60° ISO 5864-1978
W	Whitworth 55° ISO 228-1982	UNJ	SEA AS8879
RD	Redonda 30°	ACME	ACME 29° ANSI B1.5-1988
BSPT	ISO 228/1 35 21 1959 ISO 7/1	STACME	ASME/ANSI B1.8-1988
NPT	ANSI B1.1-1983	API RD	API

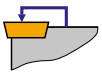
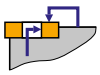
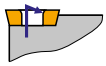
8 Denominación del rompevirutas

P1	Prensada
AL	Materiales no férreos

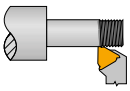
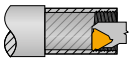
DENOMINACIÓN DEL CÓDIGO ISO: SOPORTES PARA ROSCADO

	1	2	3		4	5	6	7		8
ISO	**S**	**E**	**R**	–	**S**	**2525**	**M**	**16**	–	
ANSI	1	2	3		4	5	6	7		8
	S	E	R	–	S	16	D	16	–	

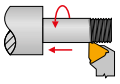
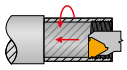
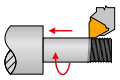
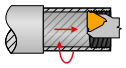
1 Tipo de fijación

C	
P	
M	
S	

2 Tipo de mecanizado

E	Exterior	
I	Interior	

3 Dirección del corte

R	Right	Exterior	
		Interior	
L	Left	Exterior	
		Interior	

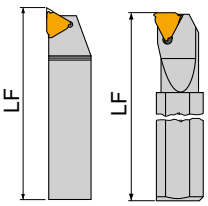
4 Tipo de construcción

–	Normal
S	Especial

5 Dimensiones del portaherramientas (mm)

Mecanizado exterior	**2525**	25 × 25 mm
Mecanizado interior	**1416**	Mango – 14 mm Montaje Ø – 16 mm

6 Longitud total (mm)

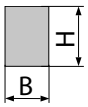


	LF (mm)
K	125
L	140
M	150
N	160
P	170
Q	180
R	200
S	250
T	300

7 Longitud del filo de corte (tamaño de plaquita)

d = IC		T
(mm)	(")	
6.350	1/4"	11
9.525	3/8"	16
12.700	1/2"	22

5 Dimensiones de la herramienta (")

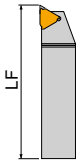


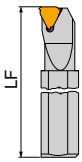
	B (")	H (")
10	5/8"	5/8"
12	3/4"	3/4"
16	1"	1"
85	1"	1 1/4"
86	1"	1 1/2"
20	1 1/4"	1 1/4"

	DCON (")
08	.500"
10	.625"
12	.750"
16	1.000"
20	1.250"
24	1.500"

Para mangos cuadrados, el dígito indica el ancho o la altura en dieciseisavos de pulgada. Para mangos rectangulares, el primer dígito indica el ancho en octavos de pulgada y el segundo dígito indica la altura en cuartos de pulgada.

6 Longitud total (")





	LF (")
C	5.000"
D	6.000"
E	7.000"
F	8.000"
K	5.000"
M	6.000"
P	6.250"
Q	7.250"
R	8.000"
S	10.000"
T	12.000"
U	14.000"

8 Ángulo de hélice λ

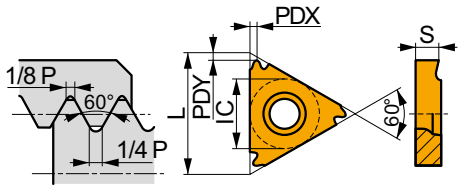
0	Ángulo de hélice λ = 0°
1	Ángulo de hélice λ = 1°
2	Ángulo de hélice λ = 2°

NEW

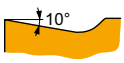
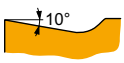
TN M EXT

PRAMET

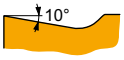
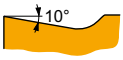
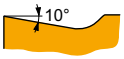
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			TN M ER exterior, con diseño a derecha, para mecanizado de roscas Métricas ISO con corte contínuo.									
TN 16ER050M	**T8010**	–	175	105	165	–	40	–	0.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.50	–	0.8	0.8
TN 16ER075M	**T8010**	–	175	105	165	–	40	–	0.75	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.75	–	0.8	0.8
TN 16ER080M	**T8010**	–	175	105	165	–	40	–	0.80	–	0.6	0.8
	T8030	–	160	95	150	480	40	–	0.80	–	0.6	0.8
TN 16ER100M	**T8010**	–	175	105	165	–	40	–	1.00	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 16ER125M	**T8010**	–	175	105	165	–	40	–	1.25	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.25	–	0.8	0.8
TN 16ER150M	**T8010**	–	175	105	165	–	40	–	1.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.50	–	0.8	0.8
TN 16ER175M	**T8010**	–	175	105	165	–	40	–	1.75	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	1.75	–	1.5	1.2
TN 16ER200M	**T8010**	–	175	105	165	–	40	–	2.00	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	2.00	–	1.5	1.2
TN 16ER250M	**T8010**	–	175	105	165	–	40	–	2.50	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	2.50	–	1.5	1.2
TN 16ER300M	**T8010**	–	175	105	165	–	40	–	3.00	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	3.00	–	1.5	1.2
TN 16ER350M	**T8030**[1)]	–	160	95	150	480	40	–	3.50	–	1.7	1.2
TN 22ER350M	**T8010**	–	175	105	165	–	40	–	3.50	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	3.50	–	2.5	1.8
TN 22ER400M	**T8010**	–	175	105	165	–	40	–	4.00	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	4.00	–	2.5	1.8
TN 22ER450M	**T8010**	–	175	105	165	–	40	–	4.50	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	4.50	–	2.5	1.8
TN 22ER500M	**T8010**	–	175	105	165	–	40	–	5.00	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	5.00	–	2.5	1.8
												
			TN M EL exterior, con diseño a izquierda, para mecanizado de roscas Métricas ISO con corte contínuo.									
TN 16EL050M	**T8030**	–	160	95	150	480	40	–	0.50	–	0.8	0.8
TN 16EL075M	**T8030**	–	160	95	150	480	40	–	0.75	–	0.8	0.8
TN 16EL080M	**T8030**	–	160	95	150	480	40	–	0.80	–	0.6	0.8
TN 16EL100M	**T8010**	–	175	105	165	–	40	–	1.00	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 16EL125M	**T8010**	–	175	105	165	–	40	–	1.25	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.25	–	0.8	0.8

Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		TP	TPI	PDX	PDY
			vc		vc		vc		vc		vc		vc					
		(mm)	(m/min)		(m/min)		(m/min)		(m/min)		(m/min)		(m/min)		(mm)		(mm)	(mm)
																		
TN M EL exterior, con diseño a izquierda, para mecanizado de roscas Métricas ISO con corte contínuo.																		
TN 16EL150M	**T8010**	–	175		105		165		–		40		–		1.50	–	0.8	0.8
	T8030	–	160		95		150		480		40		–		1.50	–	0.8	0.8
TN 16EL175M	**T8010**	–	175		105		165		–		40		–		1.75	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		1.75	–	1.5	1.2
TN 16EL200M	**T8010**	–	175		105		165		–		40		–		2.00	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		2.00	–	1.5	1.2
TN 16EL250M	**T8010**	–	175		105		165		–		40		–		2.50	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		2.50	–	1.5	1.2
TN 16EL300M	**T8010**	–	175		105		165		–		40		–		3.00	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		3.00	–	1.5	1.2
TN 16EL350M	**T8030**[1)]	–	160		95		150		480		40		–		3.50	–	1.7	1.2
TN 22EL350M	**T8030**	–	160		95		150		480		40		–		3.50	–	2.5	1.8
TN 22EL400M	**T8030**	–	160		95		150		480		40		–		4.00	–	2.5	1.8
TN 22EL450M	**T8030**	–	160		95		150		480		40		–		4.50	–	2.5	1.8
TN 22EL500M	**T8030**	–	160		95		150		480		40		–		5.00	–	2.5	1.8
																		
TN M-P1 ER exterior prensada, con diseño a derecha, para mecanizado de roscas Métricas ISO con corte contínuo.																		
TN 16ER100M-P1	**T8030**	–	160		95		150		480		40		–		1.00	–	0.8	0.8
TN 16ER125M-P1	**T8030**	–	160		95		150		480		40		–		1.25	–	0.8	0.8
TN 16ER150M-P1	**T8030**	–	160		95		150		480		40		–		1.50	–	0.8	0.8
TN 16ER175M-P1	**T8030**	–	160		95		150		480		40		–		1.75	–	1.5	1.2
TN 16ER200M-P1	**T8030**	–	160		95		150		480		40		–		2.00	–	1.5	1.2
TN 16ER250M-P1	**T8030**	–	160		95		150		480		40		–		2.50	–	1.5	1.2
TN 16ER300M-P1	**T8030**	–	160		95		150		480		40		–		3.00	–	1.5	1.2
																		
TN M-AL ER exterior, con diseño a derecha, para mecanizado de roscas Métricas ISOcon corte contínuo.																		
TN 16ER050M-AL	**HF7**	–	–		95		–		480		–		–		0.50	–	0.8	0.8
TN 16ER075M-AL	**HF7**	–	–		95		–		480		–		–		0.75	–	0.8	0.8
TN 16ER080M-AL	**HF7**	–	–		95		–		480		–		–		0.80	–	0.6	0.8
TN 16ER100M-AL	**HF7**	–	–		95		–		480		–		–		1.00	–	0.8	0.8
TN 16ER125M-AL	**HF7**	–	–		95		–		480		–		–		1.25	–	0.8	0.8
TN 16ER150M-AL	**HF7**	–	–		95		–		480		–		–		1.50	–	0.8	0.8
TN 16ER175M-AL	**HF7**	–	–		95		–		480		–		–		1.75	–	1.5	1.2
TN 16ER200M-AL	**HF7**	–	–		95		–		480		–		–		2.00	–	1.5	1.2
TN 16ER250M-AL	**HF7**	–	–		95		–		480		–		–		2.50	–	1.5	1.2
TN 16ER300M-AL	**HF7**	–	–		95		–		480		–		–		3.00	–	1.5	1.2

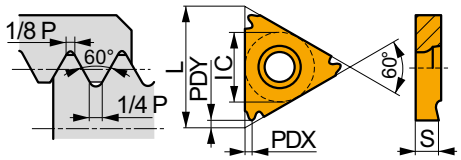
[1)] Hay que modificar los portaherramientas.

NEW

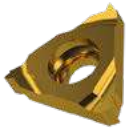
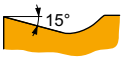
TN M INT

PRAMET

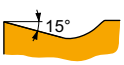
	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN M NR interior, con diseño a drecha, para mecanizado de roscas Métricas ISO con corte contínuo.												
TN 11NR050M	**T8010**	–	175	105	165	–	40	–	0.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.50	–	0.8	0.8
TN 11NR075M	**T8010**	–	175	105	165	–	40	–	0.75	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.75	–	0.8	0.8
TN 11NR100M	**T8010**	–	175	105	165	–	40	–	1.00	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 11NR125M	**T8010**	–	175	105	165	–	40	–	1.25	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.25	–	0.8	0.8
TN 11NR150M	**T8010**	–	175	105	165	–	40	–	1.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.50	–	0.8	0.8
TN 11NR200M	**T8010**	–	175	105	165	–	40	–	2.00	–	0.9	0.8
	T8030	–	160	95	150	480	40	–	2.00	–	0.9	0.8
TN 16NR050M	**T8010**	–	175	105	165	–	40	–	0.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.50	–	0.8	0.8
TN 16NR075M	**T8010**	–	175	105	165	–	40	–	0.75	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	0.75	–	0.8	0.8
TN 16NR100M	**T8010**	–	175	105	165	–	40	–	1.00	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 16NR125M	**T8010**	–	175	105	165	–	40	–	1.25	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.25	–	0.8	0.8
TN 16NR150M	**T8010**	–	175	105	165	–	40	–	1.50	–	0.8	0.8
	T8030	–	160	95	150	480	40	–	1.50	–	0.8	0.8
TN 16NR175M	**T8010**	–	175	105	165	–	40	–	1.75	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	1.75	–	1.5	1.2
TN 16NR200M	**T8010**	–	175	105	165	–	40	–	2.00	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	2.00	–	1.5	1.2
TN 16NR250M	**T8010**	–	175	105	165	–	40	–	2.50	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	2.50	–	1.5	1.2
TN 16NR300M	**T8010**	–	175	105	165	–	40	–	3.00	–	1.5	1.2
	T8030	–	160	95	150	480	40	–	3.00	–	1.5	1.2
TN 16NR350M	**T8030**[1)]	–	160	95	150	480	40	–	3.50	–	1.6	1.2
TN 22NR350M	**T8010**	–	175	105	165	–	40	–	3.50	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	3.50	–	2.5	1.8
TN 22NR400M	**T8010**	–	175	105	165	–	40	–	4.00	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	4.00	–	2.5	1.8
TN 22NR450M	**T8010**	–	175	105	165	–	40	–	4.50	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	4.50	–	2.5	1.8
TN 22NR500M	**T8010**	–	175	105	165	–	40	–	5.00	–	2.5	1.8
	T8030	–	160	95	150	480	40	–	5.00	–	2.5	1.8

Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		TP	TPI	PDX	PDY
			vc		vc		vc		vc		vc		vc					
		(mm)	(m/min)		(m/min)		(m/min)		(m/min)		(m/min)		(m/min)		(mm)		(mm)	(mm)
TN M NL interior, con diseño a izquierda, para mecanizado de roscas Métricas ISO con corte contínuo.																		
TN 11NL050M	**T8030**	–	160		95		150		480		40		–		0.50	–	0.8	0.8
TN 11NL075M	**T8030**	–	160		95		150		480		40		–		0.75	–	0.8	0.8
TN 11NL100M	**T8030**	–	160		95		150		480		40		–		1.00	–	0.8	0.8
TN 11NL125M	**T8030**	–	160		95		150		480		40		–		1.25	–	0.8	0.8
TN 11NL150M	**T8010**	–	175		105		165		–		40		–		1.50	–	0.8	0.8
	T8030	–	160		95		150		480		40		–		1.50	–	0.8	0.8
TN 11NL200M	**T8010**	–	175		105		165		–		40		–		2.00	–	0.9	0.8
	T8030	–	160		95		150		480		40		–		2.00	–	0.9	0.8
TN 16NL050M	**T8030**	–	160		95		150		480		40		–		0.50	–	0.8	0.8
TN 16NL075M	**T8030**	–	160		95		150		480		40		–		0.75	–	0.8	0.8
TN 16NL100M	**T8010**	–	175		105		165		–		40		–		1.00	–	0.8	0.8
	T8030	–	160		95		150		480		40		–		1.00	–	0.8	0.8
TN 16NL125M	**T8010**	–	175		105		165		–		40		–		1.25	–	0.8	0.8
	T8030	–	160		95		150		480		40		–		1.25	–	0.8	0.8
TN 16NL150M	**T8010**	–	175		105		165		–		40		–		1.50	–	0.8	0.8
	T8030	–	160		95		150		480		40		–		1.50	–	0.8	0.8
TN 16NL175M	**T8010**	–	175		105		165		–		40		–		1.75	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		1.75	–	1.5	1.2
TN 16NL200M	**T8010**	–	175		105		165		–		40		–		2.00	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		2.00	–	1.5	1.2
TN 16NL250M	**T8010**	–	175		105		165		–		40		–		2.50	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		2.50	–	1.5	1.2
TN 16NL300M	**T8010**	–	175		105		165		–		40		–		3.00	–	1.5	1.2
	T8030	–	160		95		150		480		40		–		3.00	–	1.5	1.2
TN 16NL350M	**T8030**[1)]	–	160		95		150		480		40		–		3.50	–	1.6	1.2
TN 22NL350M	**T8030**	–	160		95		150		480		40		–		3.50	–	2.5	1.8
TN 22NL400M	**T8030**	–	160		95		150		480		40		–		4.00	–	2.5	1.8
TN 22NL500M	**T8030**	–	160		95		150		480		40		–		5.00	–	2.5	1.8
TN M-P1 NR interior prensada, con diseño a derecha, para mecanizado de roscas Métricas ISO con corte contínuo.																		
TN 11NR100M-P1	**T8030**	–	160		95		150		480		40		–		1.00	–	0.8	0.8
TN 11NR150M-P1	**T8030**	–	160		95		150		480		40		–		1.50	–	0.8	0.8
TN 16NR100M-P1	**T8030**	–	160		95		150		480		40		–		1.00	–	0.8	0.8
TN 16NR150M-P1	**T8030**	–	160		95		150		480		40		–		1.50	–	0.8	0.8
TN 16NR200M-P1	**T8030**	–	160		95		150		480		40		–		2.00	–	1.5	1.2
TN 16NR250M-P1	**T8030**	–	160		95		150		480		40		–		2.50	–	1.5	1.2
TN 16NR300M-P1	**T8030**	–	160		95		150		480		40		–		3.00	–	1.5	1.2
																		
TN M-AL NR interior, con diseño a derecha, para mecanizado de roscas Métricas ISO con corte contínuo.																		
TN 16NR050M-AL	**HF7**	–	–		95		–		480		–		–		0.50	–	0.8	0.8
TN 16NR075M-AL	**HF7**	–	–		95		–		480		–		–		0.75	–	0.8	0.8
TN 16NR100M-AL	**HF7**	–	–		95		–		480		–		–		1.00	–	0.8	0.8
TN 16NR125M-AL	**HF7**	–	–		95		–		480		–		–		1.25	–	0.8	0.8
TN 16NR150M-AL	**HF7**	–	–		95		–		480		–		–		1.50	–	0.8	0.8
TN 16NR175M-AL	**HF7**	–	–		95		–		480		–		–		1.75	–	1.5	1.2
TN 16NR200M-AL	**HF7**	–	–		95		–		480		–		–		2.00	–	1.5	1.2
TN 16NR250M-AL	**HF7**	–	–		95		–		480		–		–		2.50	–	1.5	1.2
TN 16NR300M-AL	**HF7**	–	–		95		–		480		–		–		3.00	–	1.5	1.2

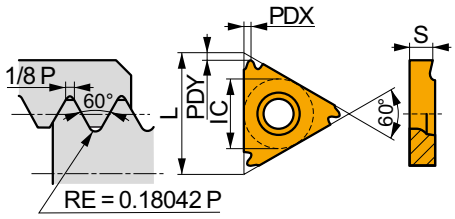
[1)] Hay que modificar los portaherramientas.

NEW

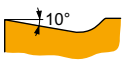
TN MJ EXT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



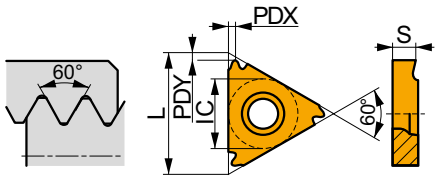
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			TN MJ ER exterior, con diseño a derecha, para mecanizado de roscas Métricas "forma J" con corte contínuo.									
TN 16ER100MJ	**T8030**	–	160	95	150	480	40	–	1.00	–	0.8	0.8
TN 16ER150MJ	**T8030**	–	160	95	150	480	40	–	1.50	–	0.8	0.8

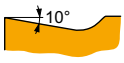
TN 60° PP EXT

PRAMET

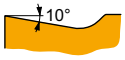
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
														
			TN M60 PP ER exterior, con diseño a derecha, para mecanizado de roscas Métricas y Unificadas con corte contínuo.											
TN 16ERA60	**T8010**	–	175	105	165	–	40	–	0.50	1.50	16	48	0.8	0.6
	T8030	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16ERAG60	**T8010**	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
	T8030	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERG60	**T8010**	–	175	105	165	–	40	–	1.75	3.00	8	14	1.5	1.1
	T8030	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22ERN60	**T8010**	–	175	105	165	–	40	–	3.50	5.00	5	7	2.5	1.8
	T8030	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8

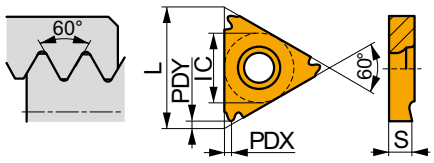
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
														
			TN M60 PP EL exterior, con diseño a izquierda, para mecanizado de roscas Métricas y Unificadas con corte contínuo.											
TN 16ELA60	**T8030**	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16ELAG60	**T8010**	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
	T8030	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ELG60	**T8030**	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22ELN60	**T8030**	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8

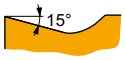
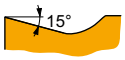
TN 60° PP INT

PRAMET

	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



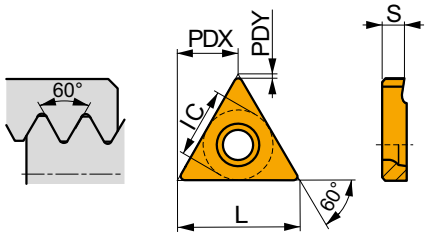
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
														
			TN M60 PP NR interior, con diseño a derecha, para mecanizado de roscas Métricas y Unificadas con corte contínuo.											
TN 11NRA60	**T8010**	–	175	105	165	–	40	–	0.50	1.50	16	48	0.8	0.7
	T8030	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NRA60	**T8010**	–	175	105	165	–	40	–	0.50	1.50	16	48	0.8	0.7
	T8030	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NRAG60	**T8010**	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
	T8030	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRG60	**T8010**	–	175	105	165	–	40	–	1.75	3.00	8	14	1.5	1.1
	T8030	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22NRN60	**T8010**	–	175	105	165	–	40	–	3.50	5.00	5	7	2.5	1.8
	T8030	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8
														
			TN M60 PP NL interior, con diseño a izquierda, para mecanizado de roscas Métricas y Unificadas con corte contínuo.											
TN 11NLA60	**T8030**	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NLA60	**T8030**	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NLAG60	**T8010**	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
	T8030	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NLG60	**T8030**	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22NLN60	**T8030**	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8

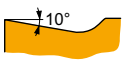
TN 60°-S PP EXT

PRAMET

	IC	L	S
	(mm)	(mm)	(mm)
22	12.700	22.00	4.60



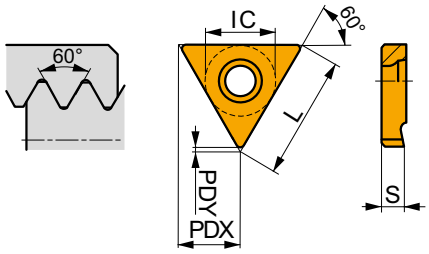
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P	M	K	N	S	H	TPN	TPX	TPIN	TPIX	PDX	PDY
			vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	(mm)	(mm)			(mm)	(mm)
														
			1 U E											
			TN M60-S PP EN exterior, con diseño a derecha e izquierda, para mecanizado de roscas Métricas y Unificadas con corte contínuo.											
TN 22EN350-500M	**T8030**	–	160	95	150	480	40	–	3.50	5.00	5	7	11.0	0.5
TN 22EN550-800M	**T8030**	–	160	95	150	480	40	–	5.50	8.00	3	4.5	11.0	0.8

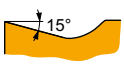
TN 60°-S PP INT

PRAMET

	IC	L	S
	(mm)	(mm)	(mm)
22	12.700	22.00	4.60

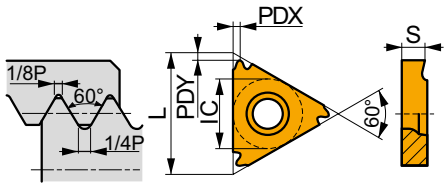


Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

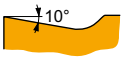
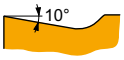
Producto		RE	P	M	K	N	S	H	TPN	TPX	TPIN	TPIX	PDX	PDY
			vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	(mm)	(mm)			(mm)	(mm)
														
			1 U E											
			TN M60-S PP NN interior, con diseño a derecha e izquierda, para mecanizado de roscas Métricas y Unificadas con corte contínuo.											
TN 22NN350-500M	**T8030**	–	160	95	150	480	40	–	3.50	5.00	5	7	11.0	0.2
TN 22NN550-800M	**T8030**	–	160	95	150	480	40	–	5.50	8.00	3	4.5	11.0	0.5

TN UN EXT

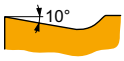
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)		M vc (m/min)		K vc (m/min)		N vc (m/min)		S vc (m/min)		H vc (m/min)		TP (mm)	TPI	PDX (mm)	PDY (mm)
																		
TN UN ER exterior, con geometría a derecha, para mecanizado de roscas Unificadas con corte contínuo.																		
TN 16ER320UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	32.0	0.8	0.8
TN 16ER280UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	28.0	0.8	0.8
TN 16ER240UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	24.0	0.8	0.8
TN 16ER200UN	**T8010**	–	■	175	◪	105	■	165		–	◪	40		–	–	20.0	0.8	0.8
	T8030	–	■	160	■	95	■	150	◪	480	◪	40		–	–	20.0	0.8	0.8
TN 16ER180UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	18.0	0.8	0.8
TN 16ER160UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	16.0	0.8	0.8
TN 16ER140UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	14.0	1.5	1.2
TN 16ER130UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	13.0	1.5	1.2
TN 16ER120UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	12.0	1.5	1.2
TN 16ER115UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	11.5	1.5	1.2
TN 16ER110UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	11.0	1.5	1.2
TN 16ER100UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	10.0	1.5	1.2
TN 16ER090UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	9.0	1.5	1.2
TN 16ER080UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	8.0	1.5	1.2
TN 22ER070UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	7.0	2.5	1.8
TN 22ER060UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	6.0	2.5	1.8
TN 22ER050UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	5.0	2.5	1.8
																		
TN UN EL exterior, con geometría a izquierda, para mecanizado de roscas Unificadas con corte contínuo.																		
TN 16EL320UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	32.0	0.8	0.8
TN 16EL280UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	28.0	0.8	0.8
TN 16EL240UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	24.0	0.8	0.8
TN 16EL200UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	20.0	0.8	0.8
TN 16EL180UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	18.0	0.8	0.8
TN 16EL160UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	16.0	0.8	0.8
TN 16EL140UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	14.0	1.5	1.2
TN 16EL120UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	12.0	1.5	1.2
TN 16EL110UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	11.0	1.5	1.2
TN 16EL100UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	10.0	1.5	1.2
TN 16EL090UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	9.0	1.5	1.2
TN 16EL080UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	8.0	1.5	1.2
TN 22EL070UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	7.0	2.5	1.8
TN 22EL060UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	6.0	2.5	1.8
TN 22EL050UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	5.0	2.5	1.8

Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												

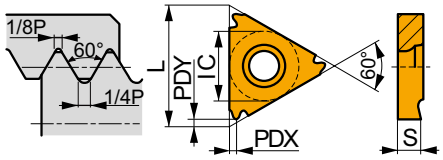
TN UN-P1 ER exterior prensada, con geometría a derecha, para mecanizado de roscas Unificadas con corte contínuo.

TN 16ER200UN-P1	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	20.0	0.8	0.8
TN 16ER180UN-P1	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	18.0	0.8	0.8
TN 16ER160UN-P1	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	16.0	0.8	0.8
TN 16ER140UN-P1	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	14.0	1.5	1.2
TN 16ER120UN-P1	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	12.0	1.5	1.2
TN 16ER080UN-P1	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	8.0	1.5	1.2

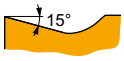
TN UN INT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71

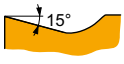


Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												

TN UN NR interior, con geometría a derecha, para mecanizado de roscas Unificadas con corte contínuo.

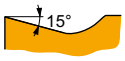
TN 16NR320UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	32.0	0.8	0.8
TN 16NR280UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	28.0	0.8	0.8
TN 16NR240UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	24.0	0.8	0.8
TN 16NR200UN	**T8010**	–	■	175	◪	105	■	165		–	◪	40	–	–	20.0	0.8	0.8
	T8030	–	■	160	■	95	■	150	◪	480	◪	40	–	–	20.0	0.8	0.8
TN 16NR180UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	18.0	0.8	0.8
TN 16NR160UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	16.0	0.8	0.8
TN 16NR140UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	14.0	1.5	1.2
TN 16NR130UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	13.0	1.5	1.2
TN 16NR120UN	**T8010**	–	■	175	◪	105	■	165		–	◪	40	–	–	12.0	1.5	1.2
	T8030	–	■	160	■	95	■	150	◪	480	◪	40	–	–	12.0	1.5	1.2
TN 16NR115UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	11.5	1.5	1.2
TN 16NR110UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	11.0	1.5	1.2
TN 16NR100UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	10.0	1.5	1.2
TN 16NR080UN	**T8010**	–	■	175	◪	105	■	165		–	◪	40	–	–	8.0	1.5	1.2
	T8030	–	■	160	■	95	■	150	◪	480	◪	40	–	–	8.0	1.5	1.2
TN 22NR070UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	7.0	2.5	1.8
TN 22NR060UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	6.0	2.5	1.8
TN 22NR050UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	5.0	2.5	1.8

TN UN NL interior, con geometría a izquierda, para mecanizado de roscas Unificadas con corte contínuo.

TN 16NL320UN	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40	–	–	32.0	0.8	0.8

Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

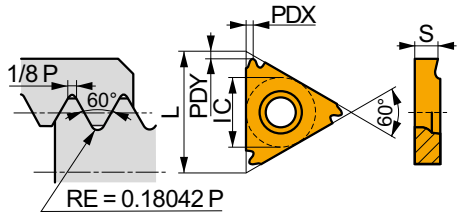
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN UN NL interior, con geometría a izquierda, para mecanizado de roscas Unificadas con corte contínuo.												
TN 16NL280UN	T8030	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16NL240UN	T8030	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16NL200UN	T8030	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16NL180UN	T8030	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16NL160UN	T8030	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16NL140UN	T8030	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NL120UN	T8030	–	160	95	150	480	40	–	–	12.0	1.5	1.2
TN 16NL110UN	T8030	–	160	95	150	480	40	–	–	11.0	1.5	1.2
TN 16NL100UN	T8030	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16NL080UN	T8030	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 22NL070UN	T8030	–	160	95	150	480	40	–	–	7.0	2.5	1.8
TN 22NL060UN	T8030	–	160	95	150	480	40	–	–	6.0	2.5	1.8
TN UN-P1 NR interior prensada, con geometría a derecha, para mecanizado de roscas Unificadas con corte contínuo.												
TN 16NR200UN-P1	T8030	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16NR180UN-P1	T8030	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16NR160UN-P1	T8030	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16NR140UN-P1	T8030	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NR120UN-P1	T8030	–	160	95	150	480	40	–	–	12.0	1.5	1.2
TN 16NR080UN-P1	T8030	–	160	95	150	480	40	–	–	8.0	1.5	1.2

NEW

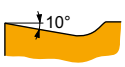
TN UNJ EXT

PRAMET

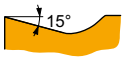
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN UNJ ER exterior, con geometría a derecha, para mecanizado de roscas Unificadas "Forma J" con corte contínuo.												
TN 16ER320UNJ	T8030	–	160	95	150	480	40	–	–	32.0	0.8	0.8
TN 16ER280UNJ	T8030	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16ER240UNJ	T8030	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16ER200UNJ	T8030	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16ER180UNJ	T8030	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16ER160UNJ	T8030	–	160	95	150	480	40	–	–	16.0	1.5	1.2
TN 16ER120UNJ	T8030	–	160	95	150	480	40	–	–	12.0	1.5	1.2

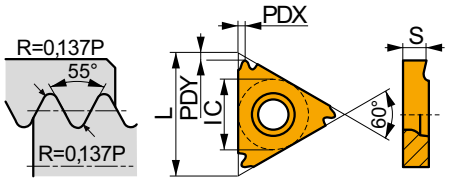
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			TN UNJ EL exterior, con geometría a izquierda, para mecanizado de roscas Unificadas "Forma J" con corte contínuo.									
TN 16EL320UNJ	**T8030**	–	160	95	150	480	40	–	–	32.0	0.8	0.8
TN 16EL280UNJ	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16EL240UNJ	**T8030**	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16EL200UNJ	**T8030**	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16EL180UNJ	**T8030**	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16EL160UNJ	**T8030**	–	160	95	150	480	40	–	–	16.0	1.5	1.2
TN 16EL120UNJ	**T8030**	–	160	95	150	480	40	–	–	12.0	1.5	1.2

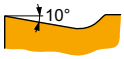
TN W EXT

PRAMET

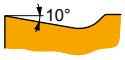
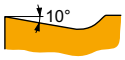
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			TN W ER exterior, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.									
TN 16ER280W	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16ER260W	**T8030**	–	160	95	150	480	40	–	–	26.0	0.8	0.8
TN 16ER240W	**T8030**	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16ER200W	**T8030**	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16ER190W	**T8010**	–	175	105	165	–	40	–	–	19.0	0.8	0.8
	T8030	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 16ER180W	**T8030**	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16ER160W	**T8030**	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16ER140W	**T8010**	–	175	105	165	–	40	–	–	14.0	1.5	1.2
	T8030	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16ER120W	**T8030**	–	160	95	150	480	40	–	–	12.0	1.5	1.2
TN 16ER110W	**T8010**	–	175	105	165	–	40	–	–	11.0	1.5	1.2
	T8030	–	160	95	150	480	40	–	–	11.0	1.5	1.2
TN 16ER100W	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16ER090W	**T8030**	–	160	95	150	480	40	–	–	9.0	1.5	1.2
TN 16ER080W	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 22ER070W	**T8030**	–	160	95	150	480	40	–	–	7.0	2.5	1.8
TN 22ER060W	**T8030**	–	160	95	150	480	40	–	–	6.0	2.5	1.8
TN 22ER050W	**T8030**	–	160	95	150	480	40	–	–	5.0	2.5	1.7

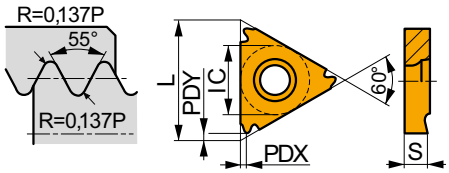
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN W EL exterior, con geometría a izquierda, para mecanizado de roscas Whitworth con corte contínuo.												
TN 16EL280W	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16EL260W	**T8030**	–	160	95	150	480	40	–	–	26.0	0.8	0.8
TN 16EL240W	**T8030**	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16EL200W	**T8030**	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16EL190W	**T8030**	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 16EL160W	**T8030**	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16EL140W	**T8030**	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16EL120W	**T8030**	–	160	95	150	480	40	–	–	12.0	1.5	1.2
TN 16EL110W	**T8030**	–	160	95	150	480	40	–	–	11.0	1.5	1.2
TN 16EL100W	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16EL090W	**T8030**	–	160	95	150	480	40	–	–	9.0	1.5	1.2
TN 16EL080W	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 22EL070W	**T8030**	–	160	95	150	480	40	–	–	7.0	2.5	1.8
TN 22EL060W	**T8030**	–	160	95	150	480	40	–	–	6.0	2.5	1.8
TN 22EL050W	**T8030**	–	160	95	150	480	40	–	–	5.0	2.5	1.7
												
TN W-P1 ER exterior prensada, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.												
TN 16ER190W-P1	**T8030**	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 16ER140W-P1	**T8030**	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16ER110W-P1	**T8030**	–	160	95	150	480	40	–	–	11.0	1.5	1.2

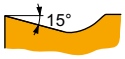
TN W INT

PRAMET

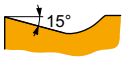
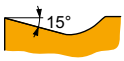
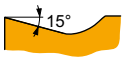
	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

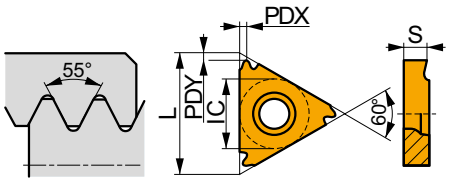
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN W NR interior, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.												
TN 11NR190W	**T8010**	–	175	105	165	–	40	–	–	19.0	0.8	0.8
	T8030	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 11NR140W	**T8010**	–	175	105	165	–	40	–	–	14.0	0.9	0.7
	T8030	–	160	95	150	480	40	–	–	14.0	0.9	0.7
TN 16NR280W	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16NR260W	**T8030**	–	160	95	150	480	40	–	–	26.0	0.8	0.8
TN 16NR240W	**T8030**	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16NR200W	**T8030**	–	160	95	150	480	40	–	–	20.0	0.8	0.8

Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

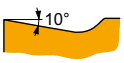
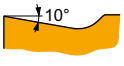
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN W NR interior, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.												
TN 16NR190W	**T8010**	–	175	105	165	–	40	–	–	19.0	0.8	0.8
	T8030	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 16NR160W	**T8030**	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16NR140W	**T8010**	–	175	105	165	–	40	–	–	14.0	1.5	1.2
	T8030	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NR120W	**T8030**	–	160	95	150	480	40	–	–	12.0	1.5	1.2
TN 16NR110W	**T8010**	–	175	105	165	–	40	–	–	11.0	1.5	1.2
	T8030	–	160	95	150	480	40	–	–	11.0	1.5	1.2
TN 16NR100W	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16NR090W	**T8030**	–	160	95	150	480	40	–	–	9.0	1.5	1.2
TN 16NR080W	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 22NR070W	**T8030**	–	160	95	150	480	40	–	–	7.0	2.5	1.8
TN 22NR060W	**T8030**	–	160	95	150	480	40	–	–	6.0	2.5	1.8
TN 22NR050W	**T8030**	–	160	95	150	480	40	–	–	5.0	2.5	1.7
												
TN W NL interior, con geometría a izquierda, para mecanizado de roscas Whitworth con corte contínuo.												
TN 11NL190W	**T8030**	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 11NL140W	**T8030**	–	160	95	150	480	40	–	–	14.0	0.9	0.7
TN 16NL280W	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16NL260W	**T8030**	–	160	95	150	480	40	–	–	26.0	0.8	0.8
TN 16NL240W	**T8030**	–	160	95	150	480	40	–	–	24.0	0.8	0.8
TN 16NL200W	**T8030**	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16NL190W	**T8030**	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 16NL160W	**T8030**	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16NL140W	**T8030**	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NL120W	**T8030**	–	160	95	150	480	40	–	–	12.0	1.5	1.2
TN 16NL110W	**T8030**	–	160	95	150	480	40	–	–	11.0	1.5	1.2
TN 16NL100W	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16NL090W	**T8030**	–	160	95	150	480	40	–	–	9.0	1.5	1.2
TN 16NL080W	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 22NL070W	**T8030**	–	160	95	150	480	40	–	–	7.0	2.5	1.8
TN 22NL060W	**T8030**	–	160	95	150	480	40	–	–	6.0	2.5	1.8
TN 22NL050W	**T8030**	–	160	95	150	480	40	–	–	5.0	2.5	1.7
												
TN W-P1 NR interior prensada, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.												
TN 11NR190W-P1	**T8030**	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 11NR140W-P1	**T8030**	–	160	95	150	480	40	–	–	14.0	0.9	0.7
TN 16NR140W-P1	**T8030**	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NR110W-P1	**T8030**	–	160	95	150	480	40	–	–	11.0	1.5	1.2

TN 55° PP EXT

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71

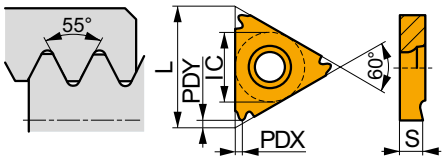


Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

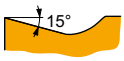
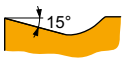
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
														
			TN W55 PP ER exterior, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.											
TN 16ERA55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	1.50	16	48	0.8	0.6
TN 16ERAG55	**T8010**	–	■ 175	◪ 105	■ 165	–	◪ 40	–	0.50	3.00	8	48	1.5	1.1
	T8030	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERG55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	1.75	3.00	8	14	1.5	1.1
TN 22ERN55	**T8010**	–	■ 175	◪ 105	■ 165	–	◪ 40	–	3.50	5.00	5	7	2.5	1.8
	T8030	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	3.50	5.00	5	7	2.5	1.8
														
			TN W55 PP EL exterior, con geometría a izquierda, para mecanizado de roscas Whitworth con corte contínuo.											
TN 16ELA55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	1.50	16	48	0.8	0.6
TN 16ELAG55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	3.00	8	48	1.5	1.1
TN 16ELG55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	1.75	3.00	8	14	1.5	1.1
TN 22ELN55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	3.50	5.00	5	7	2.5	1.8

TN 55° PP INT

	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



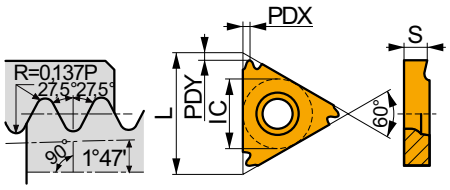
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
														
			TN W55 PP NR interior, con geometría a derecha, para mecanizado de roscas Whitworth con corte contínuo.											
TN 11NRA55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	1.50	16	48	0.8	0.6
TN 16NRA55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	1.50	16	48	0.8	0.6
TN 16NRAG55	**T8010**	–	■ 175	◪ 105	■ 165	–	◪ 40	–	0.50	3.00	8	48	1.5	1.1
	T8030	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRG55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	1.75	3.00	8	14	1.5	1.1
TN 22NRN55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	3.50	5.00	5	7	2.5	1.8
														
			TN W55 PP NL interior, con geometría a izquierda, para mecanizado de roscas Whitworth con corte contínuo.											
TN 11NLA55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	1.50	16	48	0.8	0.6
TN 16NLA55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	1.50	16	48	0.8	0.6
TN 16NLAG55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	0.50	3.00	8	48	1.5	1.1
TN 16NLG55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	1.75	3.00	8	14	1.5	1.1
TN 22NLN55	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	3.50	5.00	5	7	2.5	1.8

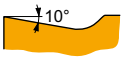
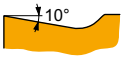
TN BSPT EXT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



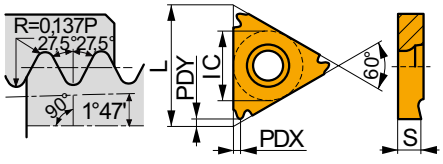
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			1 U E									
			TN BSPT ER exterior, con diseño a derecha, para mecanizado de roscas BSPT con corte contínuo.									
TN 16ER280BSPT	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16ER190BSPT	**T8030**	–	160	95	150	480	40	–	–	19.0	1.5	1.2
TN 16ER140BSPT	**T8030**	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16ER110BSPT	**T8030**	–	160	95	150	480	40	–	–	11.0	1.5	1.2
												
			1 U E									
			TN BSPT EL exterior, con diseño a izquierda, para mecanizado de roscas BSPT con corte contínuo.									
TN 16EL280BSPT	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16EL190BSPT	**T8030**	–	160	95	150	480	40	–	–	19.0	1.5	1.2
TN 16EL140BSPT	**T8030**	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16EL110BSPT	**T8030**	–	160	95	150	480	40	–	–	11.0	1.5	1.2

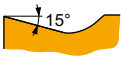
TN BSPT INT

PRAMET

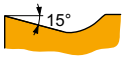
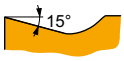
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			1 U E									
			TN BSPT NR interior, con diseño a derecha, para mecanizado de roscas BSPT con corte contínuo.									
TN 16NR280BSPT	**T8030**	–	160	95	150	480	40	–	–	28.0	0.8	0.8
TN 16NR190BSPT	**T8030**	–	160	95	150	480	40	–	–	19.0	1.5	1.2

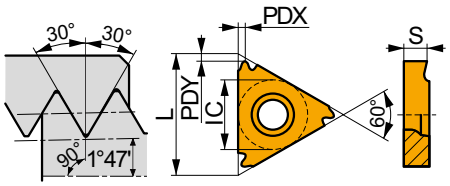
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)		M vc (m/min)		K vc (m/min)		N vc (m/min)		S vc (m/min)		H vc (m/min)		TP (mm)	TPI	PDX (mm)	PDY (mm)
			TN BSPT NR interior, con diseño a derecha, para mecanizado de roscas BSPT con corte contínuo.															
TN 16NR140BSPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	14.0	1.5	1.2
TN 16NR110BSPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	11.0	1.5	1.2
			TN BSPT NL interior, con diseño a izquierda, para mecanizado de roscas BSPT con corte contínuo.															
TN 16NL280BSPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	28.0	0.8	0.8
TN 16NL190BSPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	19.0	1.5	1.2
TN 16NL140BSPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	14.0	1.5	1.2
TN 16NL110BSPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	11.0	1.5	1.2

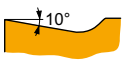
TN NPT EXT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



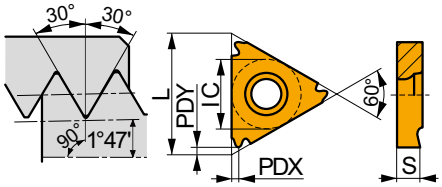
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)		M vc (m/min)		K vc (m/min)		N vc (m/min)		S vc (m/min)		H vc (m/min)		TP (mm)	TPI	PDX (mm)	PDY (mm)
			TN NPT ER exterior, con geometría a derecha, para mecanizado de roscas NPT con corte contínuo.															
TN 16ER270NPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	27.0	0.8	0.7
TN 16ER180NPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	18.0	0.8	0.7
TN 16ER140NPT	**T8010**	–	■	175	◪	105	■	165		–	◪	40		–	–	14.0	1.5	1.1
	T8030	–	■	160	■	95	■	150	◪	480	◪	40		–	–	14.0	1.5	1.1
TN 16ER115NPT	**T8010**	–	■	175	◪	105	■	165		–	◪	40		–	–	11.5	1.5	1.1
	T8030	–	■	160	■	95	■	150	◪	480	◪	40		–	–	11.5	1.5	1.1
TN 16ER080NPT	**T8030**	–	■	160	■	95	■	150	◪	480	◪	40		–	–	8.0	1.6	1.1

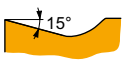
TN NPT INT

PRAMET

	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47



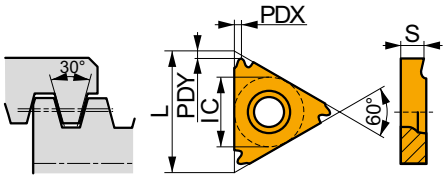
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN NPT NR interior, con geometría a derecha, para mecanizado de roscas NPT con corte contínuo.												
TN 11NR180NPT	**T8030**	–	160	95	150	480	40	–	–	18.0	0.8	0.7
TN 11NR140NPT	**T8030**	–	160	95	150	480	40	–	–	14.0	1.0	0.7
TN 16NR140NPT	**T8010**	–	175	105	165	–	40	–	–	14.0	1.5	1.1
	T8030	–	160	95	150	480	40	–	–	14.0	1.5	1.1
TN 16NR115NPT	**T8010**	–	175	105	165	–	40	–	–	11.5	1.5	1.1
	T8030	–	160	95	150	480	40	–	–	11.5	1.5	1.1
TN 16NR080NPT	**T8030**	–	160	95	150	480	40	–	–	8.0	1.6	1.1

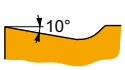
TN TR EXT

PRAMET

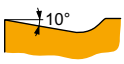
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN TR ER exterior, con geometría a derecha, para mecanizado de roscas Trapezoidales con corte contínuo.												
TN 16ER150TR	**T8030**	–	160	95	150	480	40	–	1.50	–	0.8	0.9
TN 16ER200TR	**T8030**	–	160	95	150	480	40	–	2.00	–	1.5	1.3
TN 16ER300TR	**T8030**	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22ER400TR	**T8030**	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22ER500TR	**T8030**	–	160	95	150	480	40	–	5.00	–	2.2	1.8

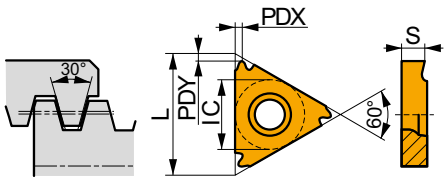
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN TR EL exterior, con geometría a izquierda, para mecanizado de roscas Trapezoidales con corte contínuo.												
TN 16EL150TR	**T8030**	–	160	95	150	480	40	–	1.50	–	0.8	0.9
TN 16EL200TR	**T8030**	–	160	95	150	480	40	–	2.00	–	1.5	1.3
TN 16EL300TR	**T8030**	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22EL400TR	**T8030**	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22EL500TR	**T8030**	–	160	95	150	480	40	–	5.00	–	2.2	1.8

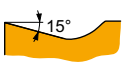
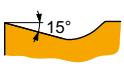
TN TR INT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



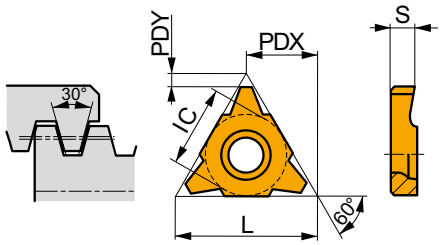
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN TR NR interior, con geometría a derecha, para mecanizado de roscas Trapezoidales con corte contínuo.												
TN 16NR150TR	**T8030**	–	160	95	150	480	40	–	1.50	–	0.8	0.9
TN 16NR200TR	**T8030**	–	160	95	150	480	40	–	2.00	–	1.5	1.3
TN 16NR300TR	**T8030**	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22NR400TR	**T8030**	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22NR500TR	**T8030**	–	160	95	150	480	40	–	5.00	–	2.2	1.8
												
TN TR NL interior, con geometría a izquierda, para mecanizado de roscas Trapezoidales con corte contínuo.												
TN 16NL150TR	**T8030**	–	160	95	150	480	40	–	1.50	–	0.8	0.9
TN 16NL200TR	**T8030**	–	160	95	150	480	40	–	2.00	–	1.5	1.3
TN 16NL300TR	**T8030**	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22NL400TR	**T8030**	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22NL500TR	**T8030**	–	160	95	150	480	40	–	5.00	–	2.2	1.8

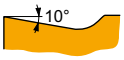
TN TR-S EXT

PRAMET

	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.60



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

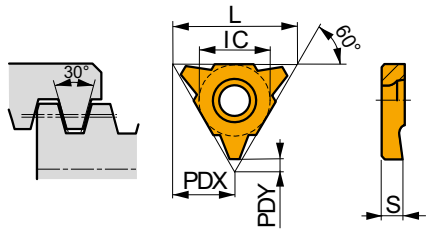
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN 22EN600TR	T8030	–	160	95	150	480	40	–	6.00	–	11.0	1.9
TN 22EN700TR	T8030	–	160	95	150	480	40	–	7.00	–	11.0	1.9

TN TR-S PP EN exterior, con geometría a derecha e izquierda, para mecanizado de roscas Trapezoidales con corte contínuo.

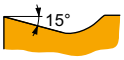
TN TR-S INT

PRAMET

	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.60



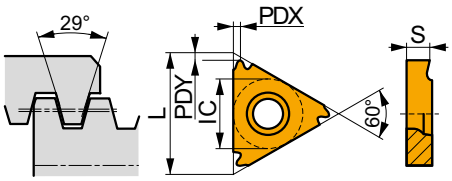
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN 22NN600TR	T8030	–	160	95	150	480	40	–	6.00	–	11.0	1.9
TN 22NN700TR	T8030	–	160	95	150	480	40	–	7.00	–	11.0	1.9

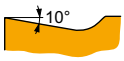
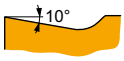
TN M60-S PP NN interior, con diseño a derecha e izquierda, para mecanizado de roscas Métricas y Unificadas con corte contínuo.

TN ACME EXT

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71

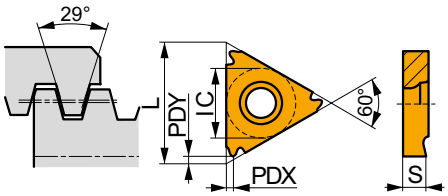


Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

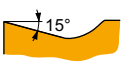
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN ACME ER exterior, con diseño a derecha, para mecanizado de roscas ACME con corte contínuo.												
TN 16ER120ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	1.5	1.3
TN 16ER100ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16ER080ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 22ER060ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	2.5	2.0
TN 22ER050ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	5.0	2.3	2.0
												
TN ACME EL exterior, con diseño a izquierda, para mecanizado de roscas ACME con corte contínuo.												
TN 16EL120ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	1.5	1.3
TN 16EL100ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16EL080ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 22EL060ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	2.5	2.0
TN 22EL050ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	5.0	2.3	2.0

TN ACME INT

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
TN ACME NR interior, con diseño a derecha, para mecanizado de roscas ACME con corte contínuo.												
TN 16NR120ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	1.5	1.3
TN 16NR100ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16NR080ACME	**T8030**[1)]	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 22NR060ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	2.5	2.0
TN 22NR050ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	5.0	2.3	2.0
TN ACME NL interior, con diseño a izquierda, para mecanizado de roscas ACME con corte contínuo.												
TN 16NL120ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	1.5	1.3
TN 16NL100ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16NL080ACME	**T8030**[1)]	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 22NL060ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	2.5	2.0
TN 22NL050ACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	5.0	2.3	2.0

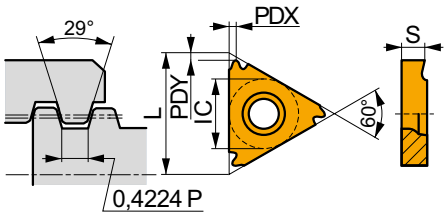
[1)] Hay que modificar los portaherramientas.

NEW

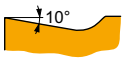
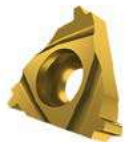
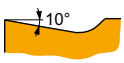
TN STACME EXT

PRAMET

	IC	L	S
	(mm)	(mm)	(mm)
16	9.525	16.50	3.47



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

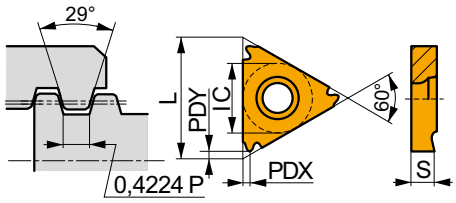
Producto		RE	P	M	K	N	S	H	TP	TPI	PDX	PDY
			vc	vc	vc	vc	vc	vc				
		(mm)	(m/min)	(m/min)	(m/min)	(m/min)	(m/min)	(m/min)	(mm)		(mm)	(mm)
												
			TN STACME ER exterior, con geometría a derecha, para mecanizado de roscas Stub ACME con corte contínuo.									
TN 16ER160STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	16.0	0.8	0.8
TN 16ER120STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	0.8	0.8
TN 16ER100STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16ER080STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 16ER060STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	1.4	1.3
												
			TN STACME EL exterior, con geometría a izquierda, para mecanizado de roscas Stub ACME con corte contínuo.									
TN 16EL160STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	16.0	0.8	0.8
TN 16EL120STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	0.8	0.8
TN 16EL100STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16EL080STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 16EL060STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	1.4	1.3

NEW

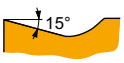
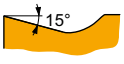
TN STACME INT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

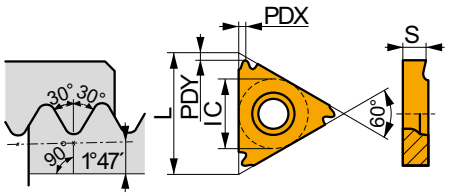
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			TN STACME NR interior, con geometría a derecha, para mecanizado de roscas Stub ACME con corte contínuo.									
TN 16NR160STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	16.0	0.8	0.8
TN 16NR120STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	0.8	0.8
TN 16NR100STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16NR080STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 16NR060STACME	**T8030**[1)]	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	1.3	1.3
												
			TN STACME NL interior, con geometría a izquierda, para mecanizado de roscas Stub ACME con corte contínuo.									
TN 16NL160STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	16.0	0.8	0.8
TN 16NL120STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	12.0	0.8	0.8
TN 16NL100STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	10.0	1.5	1.3
TN 16NL080STACME	**T8030**	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	8.0	1.5	1.3
TN 16NL060STACME	**T8030**[1)]	–	■ 160	■ 95	■ 150	◪ 480	◪ 40	–	–	6.0	1.3	1.3

[1)] Hay que modificar los portaherramientas.

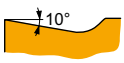
TN API RD EXT

PRAMET

	IC	L	S
	(mm)	(mm)	(mm)
16	9.525	16.50	3.47



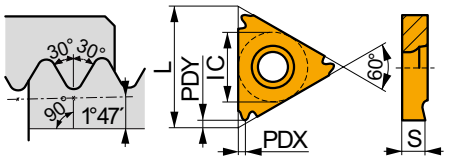
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P	M	K	N	S	H	TP	TPI	PDX	PDY
			vc	vc	vc	vc	vc	vc				
		(mm)	(m/min)	(m/min)	(m/min)	(m/min)	(m/min)	(m/min)	(mm)		(mm)	(mm)
												
			TN API ER exterior, con diseño a derecha, para mecanizado de roscas API con corte contínuo.									
TN 16ER100API-RD01	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16ER080API-RD01	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2

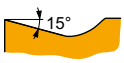
TN API RD INT

PRAMET

	IC	L	S
	(mm)	(mm)	(mm)
16	9.525	16.50	3.47



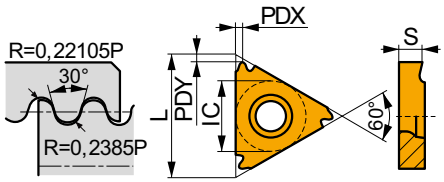
Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P	M	K	N	S	H	TP	TPI	PDX	PDY
			vc	vc	vc	vc	vc	vc				
		(mm)	(m/min)	(m/min)	(m/min)	(m/min)	(m/min)	(m/min)	(mm)		(mm)	(mm)
												
			TN API NR interior, con diseño a derecha, para mecanizado de roscas API con corte contínuo.									
TN 16NR100API-RD01	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16NR080API-RD01	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2

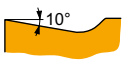
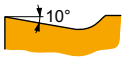
TN RD EXT

PRAMET

	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

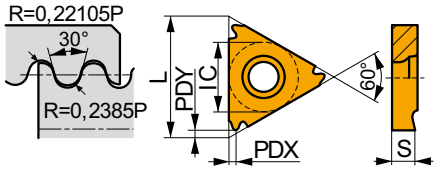
Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			1 U E									
			TN RD ER exterior, con geometría a derecha, para mecanizado de roscas Métricas Redondas con corte contínuo.									
TN 16ER100RD	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16ER080RD	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 16ER060RD	**T8030**[1)]	–	160	95	150	480	40	–	–	6.0	1.5	1.2
TN 22ER060RD	**T8030**	–	160	95	150	480	40	–	–	6.0	2.5	1.8
												
			1 U E									
			TN RD EL exterior, con geometría a izquierda, para mecanizado de roscas Métricas Redondas con corte contínuo.									
TN 16EL100RD	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16EL080RD	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 16EL060RD	**T8030**[1)]	–	160	95	150	480	40	–	–	6.0	1.5	1.2
TN 22EL060RD	**T8030**	–	160	95	150	480	40	–	–	6.0	2.5	1.8

[1)] Hay que modificar los portaherramientas.

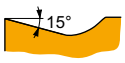
TN RD INT

PRAMET

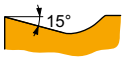
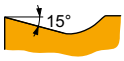
	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			1 U E									
			TN RD NR interior, con geometría a derecha, para mecanizado de roscas Métricas Redondas con corte contínuo.									
TN 16NR100RD	**T8030**	–	160	95	150	480	40	–	–	10.0	1.5	1.2
TN 16NR080RD	**T8030**	–	160	95	150	480	40	–	–	8.0	1.5	1.2

Valores de inico adecuados para la velocidad de corte (vc). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)
												
			TN RD NR interior, con geometría a derecha, para mecanizado de roscas Métricas Redondas con corte contínuo.									
TN 16NR060RD	**T8030**[1]	–	■ 160	■ 95	■ 150	◩ 480	◩ 40	–	–	6.0	1.5	1.2
TN 22NR060RD	**T8030**	–	■ 160	■ 95	■ 150	◩ 480	◩ 40	–	–	6.0	2.5	1.8
												
			TN RD NL interior, con geometría a izquierda, para mecanizado de roscas Métricas Redondas con corte contínuo.									
TN 16NL100RD	**T8030**	–	■ 160	■ 95	■ 150	◩ 480	◩ 40	–	–	10.0	1.5	1.2
TN 16NL080RD	**T8030**	–	■ 160	■ 95	■ 150	◩ 480	◩ 40	–	–	8.0	1.5	1.2
TN 16NL060RD	**T8030**[1]	–	■ 160	■ 95	■ 150	◩ 480	◩ 40	–	–	6.0	1.5	1.2
TN 22NL060RD	**T8030**	–	■ 160	■ 95	■ 150	◩ 480	◩ 40	–	–	6.0	2.5	1.8

[1] Hay que modificar los portaherramientas.

SE(RL)

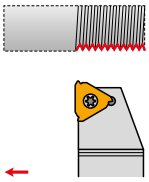
P M K N S H

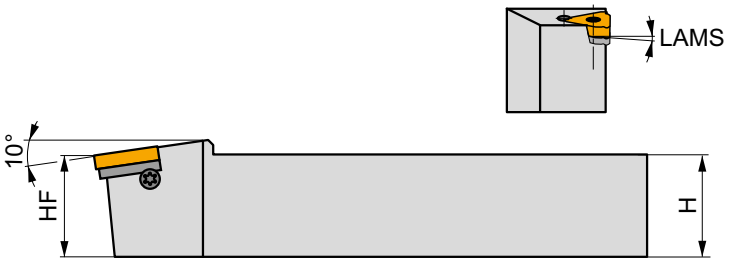
PRAMET

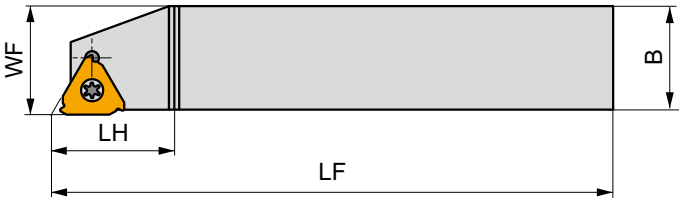
S

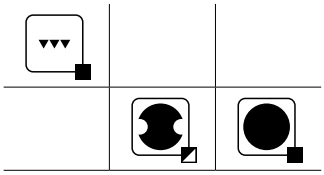
Portaherramientas de Roscado Exterior con Fijación por Tornillo para Plaquitas TN 16 o 22

Portaherramientas de roscado exterior a derecha o izquierda con fijación por tornillo para plaquitas TN16 o 22 ER/EL. Adecuado para roscas métricas y en pulgadas. Adecuado también para ranurado poco profundo. Cuerpo tratado para una vida útil más larga.









	Producto	H (mm)	HF (mm)	B (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)		
R	**SER 2020 K 16**	20	20	20	20	125	22.5	–	GI068	Z12
	SER 2525 M 16	25	25	25	25	150	24	–	GI068	Z12
	SER 3225 P 16	32	32	25	25	170	24.5	–	GI068	Z12
	SER 2525 M 22-A	25	25	25	25	150	25.5	–	GI071	Z13
	SER 3225 P 22-A	32	32	25	25	170	25.5	–	GI071	Z13
L	**SEL 2020 K 16**	20	20	20	20	125	22.5	–	GI068	Z12
	SEL 2525 M 16	25	25	25	25	150	24	–	GI068	Z12
	SEL 3225 P 16	32	32	25	25	170	24.5	–	GI068	Z12
	SEL 2525 M 22-A	25	25	25	25	150	25.5	–	GI071	Z13
	SEL 3225 P 22-A	32	32	25	25	170	25.5	–	GI071	Z13

GI068	TN 16ER..	TN 16EL..
GI071	TN 22ER..	TN 22EL..

		Nm							
Z12	US 3512A-T15P	3.0	M 3.5	12.7	–	HS 0304	FLAG T15P	HXK 2.5	604
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	–	FLAG T20	–	604

SE(RL)-S

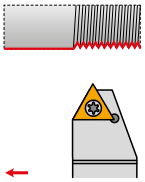
P M K N S H

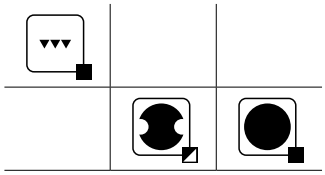
PRAMET

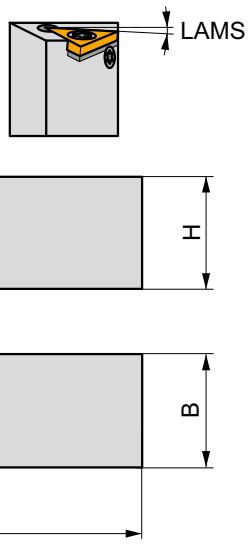
S

Portaherramientas de Roscado Exterior con Fijación por Tornillo para Plaquitas Neutras TN 22

Portaherramientas de roscado exterior para paso grande a derecha o izquierda, con fijación por tornillo, para plaquitas TN22 EN. Adecuado para roscas métricas y en pulgadas. Cuerpo tratado para una vida útil más larga.







	Producto	H (mm)	HF (mm)	B (mm)	WF (mm)	LF (mm)	LH (mm)	LAMS (°)		
R	**SER-S 2525 M 22-A**	25	25	25	14	150	30	–	GI086	Z15
	SER-S 3225 P 22-A	32	32	25	14	170	30	–	GI086	Z15
L	**SEL-S 2525 M 22-A**	25	25	25	14	150	30	–	GI086	Z15
	SEL-S 3225 P 22-A	32	32	25	14	170	30	–	GI086	Z15

GI086	TN 22EN..

Z15	US 4514A-T20	5.0 Nm	M 4.5	14	SP 0405	FLAG T20	604

SI(RL)

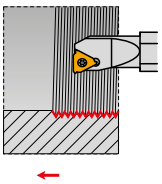
P M K N S H

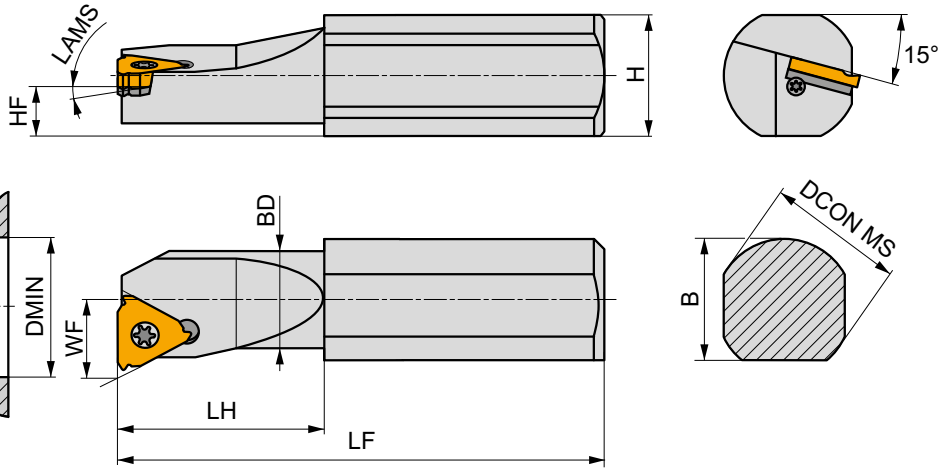
PRAMET

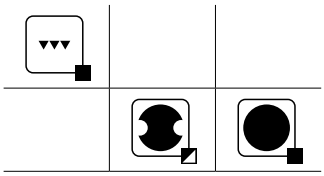
S

Portaherramientas de Roscado Interior con Fijación por Tornillo para Plaquitas TN 11, 16 o 22

Portaherramientas de roscado interior a derecha o izquierda con fijación por tornillo para plaquitas TN11, 16 o 22 NR/NL. Adecuado para roscas métricas y en pulgadas. Agujero mínimo de Ø13 mm. Adecuado también para ranurado interior poco profundo. Disponible con mangos de Ø16 hasta Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	B (mm)	DCON MS (mm)	DMIN (mm)	BD (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LH (mm)	LAMS (°)			
R	SIR 0010 K 11-0	14.5	16	13	10	7.45	14	7	125	25	0	–	GI085	Z11
	SIR 0010 K 11-1	14.5	16	13	10	7.45	14	7	125	25	1	–	GI085	Z11
	SIR 0013 M 11-0	14.5	16	16	13	9	14	7	150	32	0	–	GI085	Z11
	SIR 0013 M 11-1	14.5	16	16	13	9	14	7	150	32	1	–	GI085	Z11
	SIR 1416 N 16-0	14	16	22	17	11.4	14.5	7.5	160	–	0	–	GI022	Z9
	SIR 1416 N 16-1	14	16	22	17	11.4	14.5	7.5	160	–	1	–	GI022	Z9
	SIR 1416 N 16-2	14	16	16.5	15.5	10.6	14.5	7.5	160	40	2	✓	GI022	Z10
	SIR 1820 P 16	18.5	20	27	21	13.85	18	9	170	–	–	–	GI022	Z12
	SIR 2325 Q 16	23.5	25	29	26	16.55	23	11.5	180	–	–	–	GI022	Z12
	SIR 2532 S 16	30	32	36	32	19.75	25	12.5	250	–	–	–	GI022	Z12
	SIR 2532 S 22-2	30	32	25	25	16.65	25	12.5	250	80	2	✓	GI076	Z14
	SIR 2532 S 22-A	30	32	36	32	21.65	25	12.5	250	–	–	–	GI076	Z13
	SIR 3240 T 22-A	38	40	48	40	25.85	32	16	300	–	–	–	GI076	Z13
L	SIL 0010 K 11-0	14.5	16	13	10	7.45	14	7	125	25	0	–	GI085	Z11
	SIL 0010 K 11-1	14.5	16	13	10	7.55	14	7	125	25	1	–	GI085	Z11
	SIL 0013 M 11-0	14.5	16	16	13	9	14	7	150	32	0	–	GI085	Z11
	SIL 0013 M 11-1	14.5	16	16	13	9	14	7	150	32	1	–	GI085	Z11
	SIL 1416 N 16-0	14	16	22	17	11.4	14.5	7.5	160	–	0	–	GI022	Z9
	SIL 1416 N 16-1	14	16	22	17	11.4	14.5	7.5	160	–	1	–	GI022	Z9
	SIL 1416 N 16-2	14	16	16.5	15.5	10.6	14.5	7.5	160	40	2	✓	GI022	Z10
	SIL 1820 P 16	18.5	20	27	21	13.85	18	9	170	–	–	–	GI022	Z12
	SIL 2325 Q 16	23.5	25	29	26	16.55	23	11.5	180	–	–	–	GI022	Z12
	SIL 2532 S 16	30	32	36	32	19.75	25	12.5	250	–	–	–	GI022	Z12
	SIL 2532 S 22-2	30	32	25	25	16.65	25	12.5	250	80	2	✓	GI076	Z14
	SIL 2532 S 22-A	30	32	36	32	21.65	25	12.5	250	–	–	–	GI076	Z13
	SIL 3240 T 22-A	38	40	48	40	25.85	32	16	300	–	–	–	GI076	Z13

GI022	TN 16NR..	TN 16NL..
GI076	TN 22NR..	TN 22NL..
GI085	TN 11NR..	TN 11NL..

Z10	US 3510A-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	–
Z11	US 2506-T07P	0.9	M 2.5	6.3	–	–	FLAG T07P	–	–
Z12	US 3512A-T15P	3.0	M 3.5	12.7	–	HS 0304	FLAG T15P	HXK 2.5	📖 604
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	–	FLAG T20	–	📖 604
Z14	US 4514A-T20	5.0	M 4.5	14	–	–	FLAG T20	–	–
Z9	US 3510A-T15P	3.0	M 3.5	10.6	–	–	FLAG T15P	–	P-16

SI(RL)-S

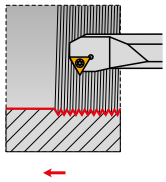
P M K N S H

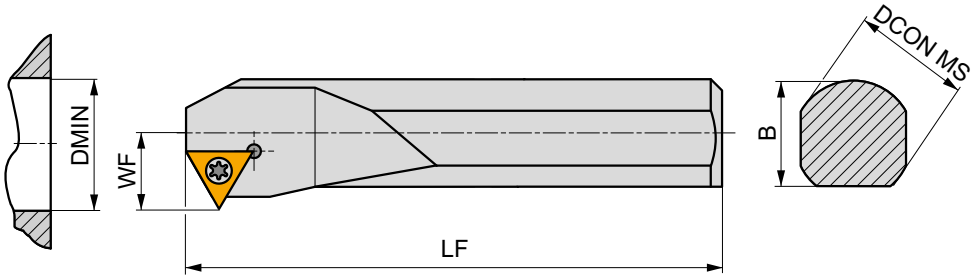
PRAMET

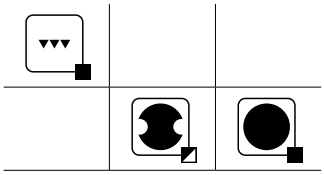
S

Portaherramientas de Roscado Interior con Fijación por Tornillo para Plaquitas Neutras TN 22

Portaherramientas de roscado interior para paso grande a derecha o izquierda, con fijación por tornillo, para plaquitas TN22 NN. Adecuado para roscas métricas y en pulgadas. Agujero mínimo de Ø39 mm. Disponible con mangos de Ø32 y Ø40. Cuerpo tratado para una vida útil más larga.







	Producto	B (mm)	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LAMS (°)		
R	SIR-S 2532 S 22-A	30	32	39	22.3	25	12.5	250	–	GI107	Z15
	SIR-S 3240 T 22-A	38	40	48	27	32	16	300	–	GI107	Z15
L	SIL-S 2532 S 22-A	30	32	39	22.3	25	12.5	250	–	GI107	Z15
	SIL-S 3240 T 22-A	38	40	48	27	32	16	300	–	GI107	Z15

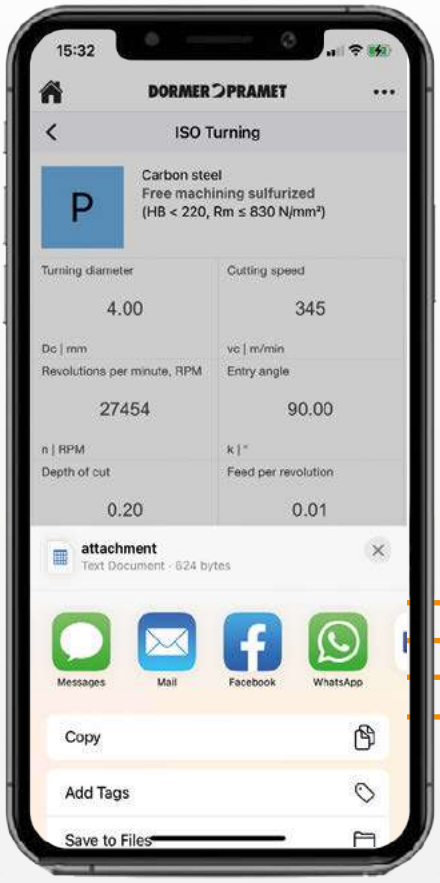
GI107	TN 22NN..

Z15	US 4514A-T20	5.0 Nm	M 4.5	14	SP 0405	FLAG T20	604

DORMER PRAMET

CUALQUIER MATERIAL

Nuestra aplicación de cálculo abarca el mecanizado de acero, acero inoxidable, fundición, superaleaciones y materiales no férreos.Descárguela hoy mismo en su tienda de aplicaciones. **Simplemente fiables.**



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BROCHADO

TORNEADO: ÍNDICE GENERAL

📖 6		WMG E ISO 13399
📖 10	TORNEADO ISO	INSTRUCCIONES
📖 18		NAVEGADORES
📖 57		PLAQUITAS DE CORTE POSITIVAS
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📖 386		TRONZADO Y RANURADO
📖 482		TORNEADO DE ROSCAS
📖 **528**		**BROCHADO**
📖 536		INFORMACIÓN TÉCNICA GENERAL

BROCHADO: RESUMEN DE SÍMBOLOS

SÍMBOLOS GENERALES

■	Uso principal
◪	Uso posible

▼▼▼	Acabado: calidad superficial muy buena
▼▼	Mecanizado medio: calidad superficial buena
▼	Desbaste: rugosidad superficial ilimitada

●	Adecuado para condiciones de trabajo estables
●	Adecuado para condiciones de trabajo inestables
●	Adecuado para condiciones de trabajo muy inestables

CARACTERÍSTICAS

	Moldeado interior
U	Opción universal
F	Filo vivo

OTROS

Nm	Par de apriete del tornillo [Nm]
	Alimentación de refrigerante interna

PLAQUITAS PARA BROCHADO: NAVEGADOR

HZ

📖 531

HZ-2

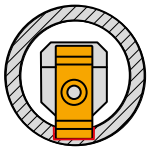
📖 532

SOPORTES PARA BROCHADO: NAVEGADOR

PHZ

	HZ
	03 04 05 06 08 10 12
Ø 9,5 Ø 24,7	
📖 533	📖 531

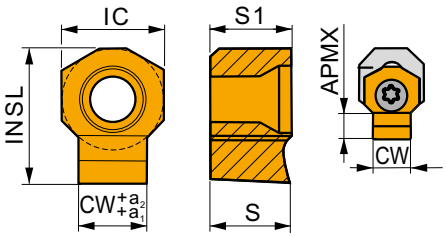
PHZ-2



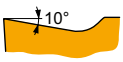
	HZ/2..
	14 16 18 20
Ø 44 Ø 58	
📖 534	📖 532

HZ

	IC	INSL	APMX	S	S1	CW
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
0604-30	6.000	7.5	1.60	4.66	4.76	3.00
0604-40	6.000	8.0	2.50	4.66	4.76	4.00
0604-50	6.000	8.0	3.00	4.66	4.76	5.00
1006-60	10.000	13.5	4.20	6.25	6.35	6.00
1006-80	10.000	13.5	5.20	6.25	6.35	8.00
1309-100	13.000	18.5	6.20	9.40	9.53	10.00
1309-120	13.000	18.5	7.20	9.40	9.53	12.00



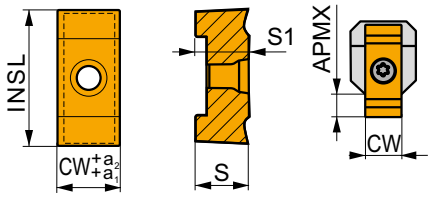
Valores de inico adecuados para la velocidad de corte (vc) y avance (fz). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		CW	CWTOLL	CWTOLU
			vc	fz	vc	fz	vc	fz	vc	fz	vc	fz	vc	fz			
		(mm)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(mm)	(mm)	(mm)
			U F														
			Geometría positiva para brochado (un filo de corte).														
HZ 1006-60 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	6.00	0.07	0.14
HZ 1006-60 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	6.00	0.03	0.08
HZ 1006-60 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	6.00	0.00	0.01
HZ 1006-60 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	6.00	-0.04	-0.01
HZ 1006-80 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	8.00	0.08	0.17
HZ 1006-80 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	8.00	0.04	0.10
HZ 1006-80 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	8.00	0.00	0.02
HZ 1006-80 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	8.00	-0.05	-0.02
HZ 1309-100 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	10.00	0.08	0.17
HZ 1309-100 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	10.00	0.04	0.10
HZ 1309-100 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	10.00	0.00	0.02
HZ 1309-100 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	10.00	-0.05	-0.02
HZ 1309-120 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	12.00	0.10	0.21
HZ 1309-120 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	12.00	0.05	0.12
HZ 1309-120 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	12.00	0.00	0.02
HZ 1309-120 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	12.00	-0.06	-0.02
HZ90 0604-30 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	3.00	0.06	0.12
HZ90 0604-30 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	3.00	0.02	0.06
HZ90 0604-30 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	3.00	0.00	0.01
HZ90 0604-30 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	3.00	-0.03	-0.01
HZ90 0604-40 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	4.00	0.07	0.14
HZ90 0604-40 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	4.00	0.03	0.08
HZ90 0604-40 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	4.00	0.00	0.01
HZ90 0604-40 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	4.00	-0.04	-0.01
HZ90 0604-50 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	5.00	0.07	0.14
HZ90 0604-50 D10	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	5.00	0.03	0.08
HZ90 0604-50 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	5.00	0.00	0.01
HZ90 0604-50 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	5.00	-0.04	-0.01

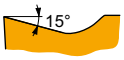
HZ-2

PRAMET

	INSL	APMX	S	S1	CW
	(mm)	(mm)	(mm)	(mm)	(mm)
14-14	36.0	8.00	13.90	14.00	14.00
16-16	36.0	9.00	13.90	14.00	16.00
18-18	45.0	12.00	15.90	16.00	18.00
20-20	45.0	13.00	15.90	16.00	20.00



Valores de inico adecuados para la velocidad de corte (vc) y avance (fz). Consulte nuestra APP Calculadora de mecanizado para obtener más cálculos.

Producto		RE	P		M		K		N		S		H		CW	CWTOLL	CWTOLU
			vc	fz	vc	fz	vc	fz	vc	fz	vc	fz	vc	fz			
		(mm)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(m/min)	(mm/tooth)	(mm)	(mm)	(mm)
			U F														
Geometría positiva para brochado (dos filos de corte).																	
HZ/2 14-14 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	14.00	0.10	0.21
HZ/2 14-14 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	14.00	0.00	0.02
HZ/2 14-14 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	14.00	-0.06	-0.02
HZ/2 16-16 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	16.00	0.10	0.21
HZ/2 16-16 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	16.00	0.00	0.02
HZ/2 16-16 P9	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	16.00	-0.06	-0.02
HZ/2 18-18 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	18.00	0.10	0.21
HZ/2 18-18 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	18.00	0.00	0.02
HZ/2 18-18 P9	**333TN**	–	50	0.10	30	0.10	45	0.10	–	–	–	–	–	–	18.00	-0.06	-0.02
HZ/2 20-20 C11	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	20.00	0.11	0.24
HZ/2 20-20 H7	**333TN**	–	50	0.10	30	0.09	45	0.10	–	–	–	–	–	–	20.00	0.00	0.02
HZ/2 20-20 P9	**333TN**	–	50	0.10	30	0.10	45	0.10	–	–	–	–	–	–	20.00	-0.07	-0.02

PHZ

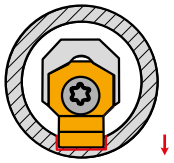
P M K N S H

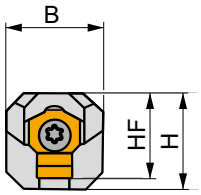
PRAMET

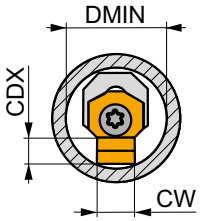
S

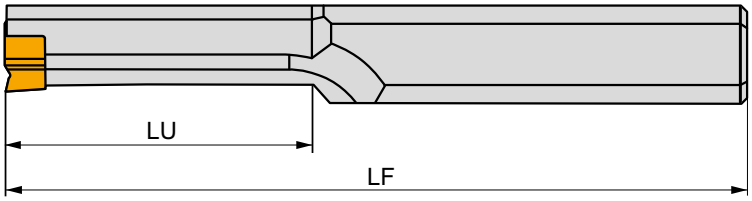
Herramienta de Brochado Interior para Pequeños Diámetros con Plaquitas HZ de Un Solo Filo

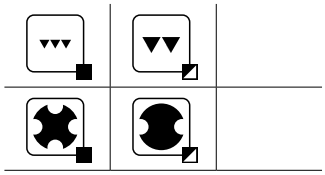
Portaherramientas de interior para brochado hasta un ancho de 12 mm. Agujero mínimo de Ø9,5 mm. Cuerpo tratado para mayor vida útil.











	Producto	H (mm)	HF (mm)	B (mm)	OAL (mm)	LU (mm)	CW (mm)	DMIN (mm)	CDX (mm)	kg		
N	**PHZ 90 1104-06**	11.3	9	8.5	160	35	3.00	9.5	1.6	0.17	GI239	SH21
	PHZ 90 1107-06	11.3	10	7	200	60	–	–	–	0.19	GI240	SH21
	PHZ 90 1111-06	11.3	12	–	200	60	–	–	–	0.19	GI240	SH21
	PHZ 1512-10	15.5	16.2	–	220	–	–	–	–	0.40	GI224	SH22
	PHZ 2014-13	20.6	21.5	–	250	–	–	–	–	0.65	GI225	SH23

GI224	HZ 1006-60	HZ 1006-80
GI225	HZ 1309-100	HZ 1309-120
GI239	HZ90 0604-30	–
GI240	HZ90 0604-40	HZ90 0604-50

SH21	DVF 3593	0.8	M 2.5	10	TX207PLUS
SH22	DVF 2260	3.6	M 4	15	TX215PLUS
SH23	5513 020-14	8.5	M 6	18	TX225PLUS

PHZ-2

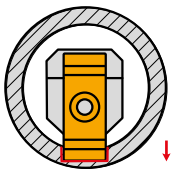
P M K N S H

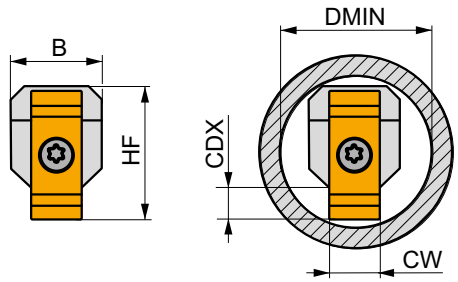
PRAMET

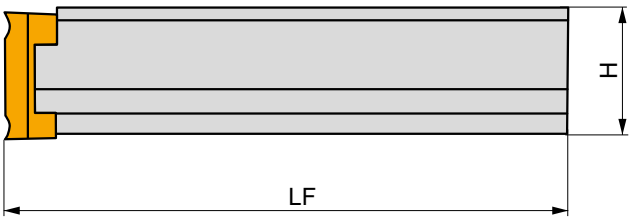
S

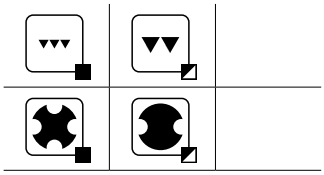
Herramienta de Brochado Interior para Diámetros Grandes con Plaquitas HZ de Doble Filo

Portaherramientas de interior para brochado hasta un ancho de 20 mm. Agujero mínimo de Ø44 mm. Cuerpo tratado para mayor vida útil.









	Producto	H (mm)	HF (mm)	B (mm)	OAL (mm)	CW (mm)	DMIN (mm)	CDX (mm)	kg		
N	**PHZ/2 3625-14**	36	37.5	25	300	–	44	–	1.86	GI235	SH23
	PHZ/2 4832-18	48	50	32	400	–	58	–	2.00	GI241	SH24

GI235	HZ/2 14-14	HZ/2 16-16
GI241	HZ/2 18-18	HZ/2 20-20

		Nm			
SH23	5513 020-14	8.5	M 6	18	TX225PLUS
SH24	5513 021-03	13.0	M 8	22	DMN 3124

DORMER PRAMET

AYUDA SIEMPRE A MANO

Nuestro equipo de soporte técnico está siempre a su disposición para ayudarle con cualquier pregunta o duda técnica que tenga sobre nuestras aplicaciones técnicas. Consulte los datos de contacto para dirigirse a su oficina de ventas local de Dormer Pramet. **Sencillamente fiable.**

INFORMACIÓN TÉCNICA GENERAL

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📖 57		PLAQUITAS DE CORTE POSITIVAS
📖 219		PLAQUITAS DE CORTE NEGATIVAS
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GRUPOS DE MATERIALES (WMG)

SOBRE LA CLASIFICACIÓN DE MATERIALES EN DORMER PRAMET

Los grupos de materiales («WMG») se utilizan para seleccionar de forma sencilla y fiable la herramienta de corte adecuada y los valores iniciales apropiados para las condiciones de mecanizado de aplicaciones específicas.
Dormer Pramet clasifica los materiales a mecanizar en seis grupos de diferentes colores:

- **Azul**: acero y acero fundido (grupo P);
- **Amarillo**: acero inoxidable (grupo M);
- **Rojo**: fundición (grupo K);
- **Verde**: materiales no férreos (grupo N);
- **Marrón** : aleaciones termoresistentes (grupo S);
- **Gris**: materiales endurecidos (grupo H).

Cada uno de estos grupos se divide, a su vez, en subgrupos según su estructura o composición. Por ejemplo, el grupo P de acero y acero fundido se desglosa en cuatro subgrupos:

- P1 – **Acero de fácil mecanizado**
- P2 – **Acero al carbono**
- P3 – **Acero aleado**
- P4 – **Acero para herramientas**

Finalmente, se realiza una última división en función de las propiedades del material, como la dureza y la resistencia a la tracción. Esta clasificación se lleva a cabo para ofrecer a nuestros clientes un asesoramiento completo sobre la herramienta y los valores iniciales de velocidad de corte y avance.
La tabla que se muestra en la página siguiente incluye una descripción de cada grupo de materiales a mecanizar, así como ejemplos de designaciones de uso común.

Grupo ISO		Subgrupo		WMG (Work Material Group/grupo de material de la pieza)		k_{vg}	Ejemplos de material (AISI, EN, DIN, ČSN, GB, SS, STN, BS, UNE, AFNOR, ASTM, GOST, UNS, UNI, etc.)
P	**Acero y acero fundido** (aceros con un contenido de aleación ≤10 % y una dureza <45 HRC)	P1	Acero de fácil mecanizado (aceros al carbono con maquinabilidad aumentada)	P1.1	Acero al carbono sulfurado de mecanizado libre con una dureza <240 HB	1.33	AISI **1108,** EN **15S22,** DIN **1.0723,** SS **1922,** ČSN **11120,** BS **210A15,** UNE **F.210F,** GB **Y15,** AFNOR **10F1,** GOST **A30,** UNI **CF10S20**
				P1.2	Acero al carbono sulfurizado y fosforizado de mecanizado libre con una dureza <180 HB	1.49	AISI **1211,** EN **11SMn30,** DIN **1.0715,** SS **1912,** ČSN **11109,** BS **230M7,** UNE **F.2111,** GB **Y15,** AFNOR **S250,** GOST **A40G,** UNI **CF9SMn28**
				P1.3	Acero al carbono sulfurizado/fosforizado y con plomo de mecanizado libre con una dureza <180 HB	1.53	AISI **12L13,** EN **11SMnPb30,** DIN **1.0718,** SS **1914,** ČSN **12110,** BS **210M16,** UNE **F.2114,** GB **Y15Pb,** AFNOR **S250Pb,** GOST **AS35G2,** UNI **CF10SPb20**
		P2	Acero al carbono (aceros compuestos principalmente por hierro y carbono)	P2.1	Acero de bajo contenido en carbono con <0,25 % C y una dureza <180 HB	1.14	AISI **1015,** EN **C15,** DIN **1.0401,** SS **1350,** ČSN **11301 ,** BS **080A15,** UNE **F.111,** GB **15,** AFNOR **C18RR,** GOST **St2ps,** UNI **Fe360**
				P2.2	Acero con contenido medio de carbono <0,55 %C y una dureza <240 HB	1.00	AISI **1030,** EN **C30,** DIN **1.0528,** SS **1550,** ČSN **12031,** BS **080M32,** UNE **F.1130,** GB **30,** AFNOR **AF50C30,** GOST **30G,** UNI **Fe590**
				P2.3	Acero de alto contenido en carbono con >0,55 % C y una dureza de <300 HB	0.89	AISI **1060,** EN **C60,** DIN **1.0601,** SS **1655,** ČSN **12061,** BS **080A62,** UNE **F513,** GB **60,** AFNOR **1C60,** GOST **60G,** UNI **C60**
		P3	Acero aleado (aceros al carbono con un contenido de aleación ≤10 %)	P3.1	Acero aleado con una dureza <180 HB	0.92	AISI **5015,** EN **16Mo3,** DIN **1.5415,** SS **2912,** ČSN **15020,** BS **1501-240,** UNE **F.2601,** GB **16Mo,** AFNOR **15D3,** GOST **15M,** UNI **16Mo3KW**
				P3.2	Acero aleado con una dureza de 180-260 HB	0.74	AISI **4140,** EN **42CrMo4,** DIN **1.7225,** SS **2244,** ČSN **15142,** BS **708M40,** UNE **F.8232,** GB **42CrMo,** AFNOR **42CD4,** GOST **40ChFA,** UNI **42CrMo4**
				P3.3	Acero aleado con una dureza de 260-360 HB	0.63	AISI **4140,** EN **42CrMo4,** DIN **1.7225,** SS **2244,** ČSN **15142,** BS **708M40,** UNE **F.8232,** GB **42CrMo,** AFNOR **42CD4,** GOST **40ChFA,** UNI **42CrMo4**
		P4	Acero para herramientas (acero de aleación especial para herramientas, matrices y moldes)	P4.1	Acero para herramientas con una dureza <26 HRC	0.55	AISI **D2,** EN **X155CrVMo12-1,** DIN **1.2370,** SS **2736,** ČSN **19573,** BS **BD2,** UNE **F.520A,** GB **Cr12Mo1V1,** AFNOR **Z160CDV12,** GOST **Ch12MF,** UNI **X155CrVMo121KU**
				P4.2	Acero para herramientas con una dureza de 26-39 HRC	0.47	AISI **D2,** EN **X155CrVMo12-1,** DIN **1.2370,** SS **2736,** ČSN **19573,** BS **BD2,** UNE **F.520A,** GB **Cr12Mo1V1,** AFNOR **Z160CDV12,** GOST **Ch12MF,** UNI **X155CrVMo121KU**
				P4.3	Acero para herramientas con una dureza de 39-45 HRC	0.38	AISI **D2,** EN **X155CrVMo12-1,** DIN **1.2370,** SS **2736,** ČSN **19573,** BS **BD2,** UNE **F.520A,** GB **Cr12Mo1V1,** AFNOR **Z160CDV12,** GOST **Ch12MF,** UNI **X155CrVMo121KU**

Grupo ISO		Subgrupo		WMG (Work Material Group/grupo de material de la pieza)		k_{vG}	Ejemplos de material (AISI, EN, DIN, ČSN, GB, SS, STN, BS, UNE, AFNOR, ASTM, GOST, UNS, UNI, etc.)
M	**Acero inoxidable** (aceros resistentes a la corrosión con un contenido de cromo ≥11 %)	**M1**	Acero inoxidable ferrítico (aleaciones rectas de cromo no endurecibles)	**M1.1**	Acero inoxidable ferrítico con una dureza <160 HB	**1.22**	AISI **S429,** EN **X7Cr14,** DIN **1.4001,** SS **2326,** BS **434S17,** UNE **F.3401,** AFNOR **Z8C12,** GOST **08Ch13,** UNI **X6CrTi12**
				M1.2	Acero inoxidable ferrítico con una dureza de 160-220 HB	**1.03**	AISI **446,** EN **X10CrAl24,** DIN **1.4762,** SS **2322,** ČSN **17113,** BS **430S17,** UNE **F.3154,** GB **10Cr17,** AFNOR **Z10CAS24,** GOST **12Ch17,** UNI **X16Cr26**
		M2	Acero inoxidable martensítico (aleaciones rectas de cromo no endurecibles)	**M2.1**	Acero inoxidable martensítico con una dureza <200 HB	**1.08**	AISI **430F,** EN **X14CrMoS17,** DIN **1.4104,** SS **2383,** ČSN **17140,** BS **410S21,** UNE **F.3117,** AFNOR **Z10CF17,** UNI **X10CrS17**
				M2.2	Acero inoxidable martensítico con una dureza de 200-280 HB	**0.89**	AISI **440C,** EN **X105CrMo17,** DIN **1.4125,** SS **2385,** ČSN **17023,** BS **425C11,** UNE **F.3402,** GB **102Cr17Mo,** AFNOR **Z100CD17,** GOST **95Ch18,** UNI **GX6CrNi 13 04**
				M2.3	Acero inoxidable martensítico con una dureza de 280-380 HB	**0.75**	AISI **420,** EN **X45Cr13,** DIN **1.4034,** ČSN **17029,** BS **425C11,** UNE **F.3405,** AFNOR **Z44C14,** GOST **20X17H12,** UNI **X30Cr13**
		M3	Acero inoxidable austenítico (aleaciones de cromo-níquel y cromo-níquel-manganeso)	**M3.1**	Acero inoxidable austenítico con una dureza <200 HB	**1.00**	AISI **304,** EN **X5CrNi18-12,** DIN **1.4303,** SS **2352,** ČSN **17249,** BS **305S17,** UNE **F.3513,** GB **10Cr18Ni12,** AFNOR **Z8CN18.12,** UNI **X7CrNi18 10**
				M3.2	Acero inoxidable austenítico con una dureza de 200-260 HB	**0.86**	AISI **309,** EN **X15CrNiSi20-12,** DIN **1.4828,** ČSN **17251,** BS **309S24,** UNE **F.3312,** GB **1Cr23Ni13,** AFNOR **Z15CNS20.12,** GOST **20Ch20N14S2,** UNI **16CrNi23 14**
				M3.3	Acero inoxidable austenítico con una dureza de 260-300 HB	**0.77**	AISI **5848,** EN **X45CrNiW18-9,** DIN **1.4873,** BS **331S40,** UNE **F.3211,** AFNOR **Z35CNWS14-4,** UNI **X45CrNiW 18 9**
		M4	Acero inoxidable superaustenitico, duplex o templado por precipitacion (aleaciones austeniticas con >20 % Ni, microestructura austenitica-ferritica o templado por precipitacion)	**M4.1**	Acero inoxidable austenítico/ferrítico o superaustenítico con una dureza <300 HB	**0.75**	AISI **329,** EN **X1-NiCrMoCU25-20-5,** DIN **1.4539,** SS **2562,** ČSN **17265,** BS **318S13,** UNE **F.3552,** GB **022Cr25NiMo2N,** AFNOR **Z1NCDU25.20**
				M4.2	Acero inoxidable austenitico, templado por precipitacion y una dureza de 300-380 HB	**0.64**	AISI **631 (17-7PH),** EN **X7CrNiAL17-7,** DIN **1.4568,** SS **2388,** ČSN **17465 ,** BS **301S13,** UNE **F.3217,** GB **07Cr17Ni7Al,** AFNOR **29CNA17-07,** GOST **09Ch17N7Ju1,** UNI **X53CrMnNiN21 9**

Grupo ISO		Subgrupo		WMG (Work Material Group/grupo de material de la pieza)		k_{vg}	Ejemplos de material (AISI, EN, DIN, ČSN, GB, SS, STN, BS, UNE, AFNOR, ASTM, GOST, UNS, UNI, etc.)
K	Fundicion (piezas de fundicion y aleaciones al carbono con un contenido de carbono >2 %)	K1	Fundición gris (GG) (fundiciones de hierro y carbono con microestructura de grafito laminar)	K1.1	Fundición gris ferritica o ferritica/perlitica con una dureza <180 HB	1.35	ASTM **A48 Grade 20 (F11401),** EN-**JL-100,** DIN **GG-10 (0.6010),** SS **0110,** STN **422410,** BS **Grade 150,** UNE **FG10,** GB **HAT 100,** AFNOR **Ft10D,** GOST **SC 10,** UNI **G10**
				K1.2	Fundición gris ferritica/perlitica o perlitica con una dureza de 180-240 HB	1.00	ASTM **A48 Grade 30 (F12101),** EN-**JL-1030,** DIN **GG-20 (0.6020),** SS **0120,** STN **422420,** BS **Grade 220,** UNE **FG20,** GB **HT200,** AFNOR **Ft20D,** GOST **СЧ20,** UNI **G20**
				K1.3	Fundición gris perlitica con una dureza de 240-280 HB	0.75	ASTM **A48 Grade 50 (F13501),** EN-**JL-1060,** DIN **GG-35 (0.6035),** SS **0135,** STN **422435,** BS **Grade 350,** UNE **FG35,** GB **HAT300,** AFNOR **Ft35D,** GOST **SC35,** UNI **G35**
		K2	Fundición maleable (GTS/GTW) (fundiciones de hierro y carbono tratadas térmicamente con una microestructura sin grafito)	K2.1	Fundición maleable ferritica con una dureza <160 HB	1.39	ASTM **A602 Grade M3210 (F20000),** EN-**JM-1130,** DIN **GTS-35 (0.8135),** SS **0815,** BS **B340/12,** UNE **Type A,** AFNOR **MN 35-10,** GOST **КЧ35-10**
				K2.2	Fundición maleable, ferritica o perlitica, con una dureza de 160-200 HB	1.13	ASTM **A602 Grade M4504 (F20001),** EN-**JM-1040,** DIN **GTS-50-05 (0.8045),** BS **P50-05,** AFNOR **MB 45-7**
				K2.3	Fundición maleable perlitica con una dureza de 200-240 HB	0.90	ASTM **A602 Grade M7002 (F20004),** EN-**JM-1140,** DIN **GTS-45 (0.8145),** SS **0854,** STN **422540,** BS **P 45-06,** UNE **Typ B,** AFNOR **MP 50-5,** GOST **КЧ45-7,** UNI **GMN 45**
		K3	Fundición ductil (GGG) (fundiciones de hierro y carbono con microestructura de grafito nodular)	K3.1	Fundición ductil (nodular/esferoidal) ferritica con una dureza <180 HB	1.23	ASTM **A536 Grade 60-40-18 (F32800),** EN-**JS-1030,** DIN **GGG-40 (0.7040),** SS **0717,** STN **422304,** BS **420/12,** UNE **FGE 42-12,** GB **QT 400,** AFNOR **FGS 400-12,** GOST **ВЧ40**
				K3.2	Fundición ductil (nodular/esferoidal), ferritica o perlitica, con una dureza de 180-220 HB	0.94	ASTM **A536 Grade 80-55-06 (F33800),** EN-**JS-1050,** DIN **GGG-50 (0.7050),** SS **0727,** STN **422305,** BS **500/7,** UNE **FGE 50-7,** GB **QT 500-7,** AFNOR **FGS 500-7,** GOST **ВЧ50**
				K3.3	Fundición ductil (nodular/esferoidal) perlitica con una dureza de 220-260 HB	0.76	ASTM **A536 Grade 100-70-03 (F34800),** EN-**JS-1060,** DIN **GGG-60 (0.7060),** SS **0732,** STN **422306,** BS **600/3,** UNE **FG70-2,** GB **QT 600-3,** AFNOR **FGS 600-3,** GOST **ВЧ60**
		K4	Fundición ductil austenítica o austemperada (Ni-Resist/ADI) (fundiciones de aleaciones de hierro y carbono con una microestructura austenítica o ausferrita)	K4.1	Fundición austenítica con una dureza <180 HB	1.14	ASTM **A436 Type 1 (L-NiCuCr 15 6 2, F41000),** EN-**JL-3011,** DIN **GGL-NiMn 13 7 (0.6652),** SS **0523,** BS **Grade F1,** AFNOR **FGL-Ni13Mn7,** GOST **S-NiMn 13 7**
				K4.2	Fundición austenítica con una dureza de 180-240 HB	0.86	ASTM **A439 Type D-2B (S-NiCr 20 3, F43001),** EN-**JS-3021,** DIN **GGG-NiMn 23 4,** SS **0776,** BS **Grade S2M,** AFNOR **FGS Ni23 Mn4,** GOST **ЧН19Х3Ш**
				K4.3	Fundición ductil austemperada con una dureza de 240-280 HB	0.63	ASTM **A897 Grade 110-70-11**
				K4.4	Fundición ductil austemperada con una dureza de 280-320 HB	0.54	ASTM **A897 Grade 125-80-10,** EN-**JS-1100,** DIN **GGG-90 (5.3400)**
				K4.5	Fundición ductil austemperada con una dureza de 320-360 HB	0.45	ASTM **A897 Grade 2 (150-110-07),** EN-**JS-1110,** DIN **GGG-100 (5.3403)**
		K5	Fundición de grafito compactado (CGI) (fundiciones de hierro y carbono con estructura de grafito vermicular)	K5.1	Fundición de grafito compactado vermicular con una dureza <180 HB	1.29	ASTM **A842 Grade 300,** EN-**GJV-300,** DIN **GGV 30,** GOST **ЧВГ30,**
				K5.2	Fundición de grafito compactado vermicular con una dureza de 180-220 HB	0.97	ASTM **A842 Grade 350,** EN-**GJV-350,** DIN **GGV 35 (5.2200),** GOST **ЧВГ30,**
				K5.3	Fundición de grafito compactado vermicular con una dureza de 220-260 HB	0.75	ASTM **A842 Grade 450,** EN-**GJV-450,** DIN **GGV 45,** GOST **ЧВГ45,**

Grupo ISO		Subgrupo		WMG (Work Material Group/grupo de material de la pieza)		k_{vG}	Ejemplos de material (AISI, EN, DIN, ČSN, GB, SS, STN, BS, UNE, AFNOR, ASTM, GOST, UNS, UNI, etc.)
N	Materiales no ferreos (metales, incluidas las aleaciones sin una cantidad apreciable de hierro y otros materiales no metálicos)	N1	Aluminio forjado	N1.1	Aluminio puro y aleaciones forjadas de aluminio con una dureza <60 HB	1.33	UNS **A91200,** EN **AL99.6,** DIN **3.0205,** SS **4010,** STN **424009,** BS **1C,** UNE **L-3001,** GB **L5,** AFNOR **A4,** GOST **АДС,** UNI **3567**
				N1.2	Aleaciones forjadas de aluminio con una dureza de 60-100 HB	1.00	UNS **A93004,** EN **AlMn0.5Mg0.5,** DIN **3.0505,** SS **4054,** STN **424432,** BS **N31,** UNE **L-3831,** GB **LF2,** AFNOR **A-M1,** GOST **АМц,** UNI **3568**
				N1.3	Aleaciones forjadas de aluminio con una dureza de 100-150 HB	0.67	UNS **A95083,** EN **AlMg4.5Mn0.7,** DIN **3.3547,** SS **4140,** STN **424415,** BS **N8,** UNE **L-3321,** GB **AlMg4.5Mn,** AFNOR **A-G4.5Mn,** GOST **Amg 4.5,** UNI **P-AlMg4.4**
		N2	Aluminio fundido	N2.1	Aleaciones de aluminio fundido con una dureza <75 HB	0.67	UNS **A02080,** EN **AlCu4S,** BS **LM11,** STN **424331,** UNE **Al Si1Cu,** GOST **AMg5K,** UNI **G-AlSi7Mg**
				N2.2	Aleaciones de aluminio fundido con una dureza de 75-90 HB	0.60	UNS **A02420,** EN **AlCu4Ni2Mg2,** SS **AlSi7MgFe,** BS **LM6,** STN **424519,** UNE **Al-7SiMg,** AFNOR **A-S7G,** GOST **AK7,** UNI **G-AlSi7Mg**
				N2.3	Aleaciones de aluminio fundido con una dureza de 90 < 140 HB	0.43	UNS **A03360,** EN **G-ALCu4NiMg2,** SS **ALSi10Mg,** STN **424336,** BS **LM 30,** AFNOR **A-S10G,** UNI **G-AlSi9Mg**
		N3	Cobre o aleaciones de cobre	N3.1	Aleaciones de cobre con excelentes propiedades de mecanizado	0.70	UNS **C14700,** EN **CuPb1P,** DIN **2.1498,** STN **423214,** BS **C111,** AFNOR **CuZn35Pb2,** GOST **L63-3,** UNI **CuS(P0.01)**
				N3.2	Aleaciones de cobre de viruta corta con propiedades de mecanizado de óptimas a moderadas	0.41	UNS **C81540,** EN **CuNi2SiCr,** DIN **2.0857,** STN **423220,** BS **NS113,** UNE **CuSn12,** AFNOR **CuZn40,** GOST **L60,** UNI **P-CuZn-40**
				N3.3	Cobre electrolítico y aleaciones de cobre de viruta larga con propiedades de mecanizado de moderadas a limitadas	0.21	UNS **C10100,** EN **CuAg0.1,** DIN **2.1203,** SS **5010,** UNE **CUSi3Mn1,** AFNOR **Cu-C2,** GOST **M1f,** UNI **Cu-OF**
		N4	Polímeros (materiales sintéticos o semisintéticos)	N4.1	Polímeros termoplásticos	0.70	ABS, Acryl, Duraplast, Elastomer, EP, Epoxid, FEP, Fluor, Gummi, Kautschuk, Latex, MF, MPF, PA, PAI, PC, PE, PEEK, PEI, PES, PET, PF, Phenolharze, PI, PMMA, Polyamide, Polyester, Polyolefine, Polysulfon, POM, PP, PPE, PPS, PS, PSU, PTFE, PU, PUR, PVDF, SAN, SI, Styrol, UF, Ureol
				N4.2	Polímeros termoestables	0.27	Aramid, Epoxy, Fluoropolymer, Mehacrylate, Melamine, Phenolic, Polyester, Polyimide, Polymethacrylimide, Polyurethane
				N4.3	Composites o polímeros reforzados	0.29	CFK, GFK, GMT, Honeycomb, Kevlar, LFT, Organo, SMC
		N5	Grafito	N5.1		1.0	CGM-1, CM-00, GM-10, GM-11, GR030, GR030PI, GR060, GR060PI, GR125, MC-01, MC-01RO, MC-03, MC-03M, IG11, IG-15, IG-32, IG-43, IG-45, IG-70, ISEM-1, ISEM-2, ISEM-3, R8340, R8500X, Technograph 15, Technograph 30, ISO-63, EDM C-3, EDM1, EDM3, ISO-90, ISO-93, ISO-95, R8510, R8650,

Grupo ISO		Subgrupo		WMG (Work Material Group/grupo de material de la pieza)		k_{vg}	Ejemplos de material (AISI, EN, DIN, ČSN, GB, SS, STN, BS, UNE, AFNOR, ASTM, GOST, UNS, UNI, etc.)
S	**Aleaciones termorresistentes** (superaleaciones con una alta resistencia a la temperatura y a la corrosión, superior a la del acero inoxidable)	**S1**	Titanio o aleaciones de titanio	**S1.1**	Titanio o aleaciones de titanio con una dureza <200 HB	1.94	UNS **R50250 (Grade 1),** EN **Ti 99.6,** DIN **3.7035,** BS **TA.2,** UNE **Ti-Po2,** AFNOR **T-40,** GOST **BT1-00,** AISI **R50250, 3.7025, T35, 2TA1, R50400, 3.7035, 2TA2,**
				S1.2	Aleaciones de titanio con una dureza de 200-280 HB	1.72	UNS **R56404 (Grade 29),** EN **Ti2Cu,** DIN **3.7124,** BS **TA.21,** UNE **Ti-P11,** AFNOR **T-U2 ,** AISI **TA6V, Ti-6Al-4V, Ti 10.2.3, Ti5553**
				S1.3	Aleaciones de titanio con una dureza de 280-360 HB	1.44	UNS **R54250 (Grade 38),** EN **TiAl6V4,** DIN **3.7165,** ČSN **TiAl6VELI,** BS **TA. 13,** UNE **Ti-P63,** AFNOR **T-A6V,** GOST **BT6,** AISI **TA6V, Ti-6Al-4V, Ti 10.2.3, Ti5553**
		S2	Aleaciones termorresistentes con base Fe	**S2.1**	Aleaciones termorresistentes con base Fe con una dureza <200 HB	1.33	UNS **N08801 (Incoloy 801),** EN **X8 NiCrAlTi31-21,** DIN **1.4959,** BS **NA 15,** AFNOR **Z8NC33-21,** AISI **A-286, Discaloy, Haynes 556, Iconel 909, Greek Ascolloy**
				S2.2	Aleaciones termorresistentes con base Fe con una dureza de 200-280 HB	1.17	UNS **N19907,** EN **X6NiCrTiMoVB25-15-2,** DIN **1.4980,** SS **2570,** BS **HR52,** AFNOR **Z6NCTDV25.15B,** GOST **36HXTЮ,** AISI **A-286, Discaloy, Haynes 556, Iconel 909, Greek Ascolloy**
		S3	Aleaciones termorresistentes con base Ni	**S3.1**	Aleaciones termorresistentes con base Ni con una dureza <280 HB	1.00	UNS **A09706 (Inconel 706),** EN **NiCr25FeAl,** DIN **2.4856,** BS **HR 6,** ČSN **Inconel 625,** UNE **F.3313,** GB **1Cr16Ni35,** AFNOR **NC22FeDNB,** GOST **XH38BT,** AISI **Inconel 718, 706 Waspalloy, Udimet 720, Inconel 625**
				S3.2	Aleaciones termorresistentes con base Ni con una dureza de 280-360 HB	0.83	UNS **N07001,** EN **NiCr20Co13Mo4Ti3Al,** DIN **2.4654,** BS **HR 2,** ČSN **Waspaloy,** AFNOR **NCKD 20ATV,** GOST **XH80TБЮ,** AISI **Inconel 718, 706 Waspalloy, Udimet 720, Inconel 625**
		S4	Aleaciones termorresistentesa con base Co	**S4.1**	Aleaciones termorresistentes con base Co con una dureza <240 HB	0.78	UNS **R30016 (Stellite 6b),** EN **CoCr20W15Ni,** DIN **2.4964,** AFNOR **KC 20 WN,** GOST **ЛК52,** AISI **Haynes 25, Stellite 21, 31**
				S4.2	Aleaciones termorresistentes con base Co con una dureza de 240-320 HB	0.67	UNS **R30016 (Stellite 6b),** EN **CoCr20W15Ni,** DIN **2.4964,** AFNOR **KC 20 WN,** GOST **ЛК52,** AISI **Haynes 25, Stellite 21, 31**

Grupo ISO		Subgrupo		WMG (Work Material Group/grupo de material de la pieza)		k_{vG}	Ejemplos de material (AISI, EN, DIN, ČSN, GB, SS, STN, BS, UNE, AFNOR, ASTM, GOST, UNS, UNI, etc.)
H	**Materiales endurecidos** (cualquier metal técnico con una dureza >45 HRC)	**H1**	Fundición en frio	**H1.1**	Fundición en frio con una dureza <440 HB	**1.52**	UNS **F45001,** EN-**GJS-1050-6,** DIN **5.3406,** SS **0512,** BS **Grade 2A**
		H2	Fundición endurecida	**H2.1**	Fundición endurecida con una dureza <55 HRC	**0.90**	UNS **F45003,** EN-**GJS-1400-1,** DIN **5.3405,** SS **0457,** BS **Grade 3D**
				H2.2	Fundición endurecida con una dureza >55 HRC	**0.77**	UNS **F45003,** EN **G-X260NiCr4-2,** DIN **0.9620,** SS **0466,** BS **Grade S**
		H3	Acero endurecido <55 HRC	**H3.1**	Acero endurecido con una dureza <51 HRC	**1.00**	AISI **4135,** EN **34CrMo4,** DIN **1.7220,** SS **2234,** STN **415131,** BS **198,** UNE **F.1250,** GB **35CrMo,** AFNOR **35CD4,** GOST **AC38ХГМ,** UNI **35CrMo4KB**
				H3.2	Acero endurecido con una dureza de 51-55 HRC	**0.82**	AISI **4135,** EN **34CrMo4,** DIN **1.7220,** SS **2234,** STN **415131,** BS **198,** UNE **F.1250,** GB **35CrMo,** AFNOR **35CD4,** GOST **AC38ХГМ,** UNI **35CrMo4KB**
		H4	Acero endurecido >55 HRC	**H4.1**	Acero endurecido con una dureza de 55-59 HRC	**0.64**	UNS **T31501,** EN **100MnCrW4,** DIN **1.2510,** SS **2140,** STN **419413,** BS **BO1,** UNE **F.5220,** GB **9CrWMn,** AFNOR **90MWCrV5,** GOST **9ХВГ,** UNI **95MNWCr5KU**
				H4.2	Acero endurecido con una dureza >59 HRC	**0.54**	UNS **T31501,** EN **100MnCrW4,** DIN **1.2510,** SS **2140,** STN **419413,** BS **BO1,** UNE **F.5220,** GB **9CrWMn,** AFNOR **90MWCrV5,** GOST **9ХВГ,** UNI **95MNWCr5KU**

Factores de corrección para el tipo específico de operación C_{VcO}

X.V	FF			F			M			R			HR		
a_p	0.5			1.5			2.5			5.0			12.0		
	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
f	0.05	0.08	0.10	0.10	0.15	0.20	0.20	0.30	0.40	0.40	0.60	0.80	0.80	1.00	1.30
Rompevirutas para acabado fino (FF, FF2…)	1.15	1.00	0.95	0.85	0.80	–	–	–	–	–	–	–	–	–	–
Rompevirutas para acabado (NF, SF..)	–	–	1.20	1.05	1.00	1.05	1.00	0.90	–	–	–	–	–	–	–
Rompevirutas para mecanizado medio (FM, M, NM, NMR, SM…)	–	–	–	–	–	1.15	1.10	1.00	0.95	0.85	–	–	–	–	–
Rompevirutas para desbaste (RM, NRM, NR, R…)	–	–	–	–	–	–	–	–	1.25	1.10	1.00	0.95	0.65	–	–
Rompevirutas para desbaste pesado (HR, HR2, NR2, OR…) para una duración de 45 min	–	–	–	–	–	–	–	–	–	1.25	1.20	1.15	1.05	1.00	0.95

Factores de corrección para durabilidad requerida C_{VcT}

minutos	10	15	20	30	45	60
Operaciones de mecanizado general (desde acabado fino hasta desbaste)	1.13	1.00	0.93	0.84	0.76	0.71
Operaciones de mecanizado pesadas (desbaste pesado)	–	–	–	1.10	1.00	0.93

Factores de corrección adicionales C_{VcA}

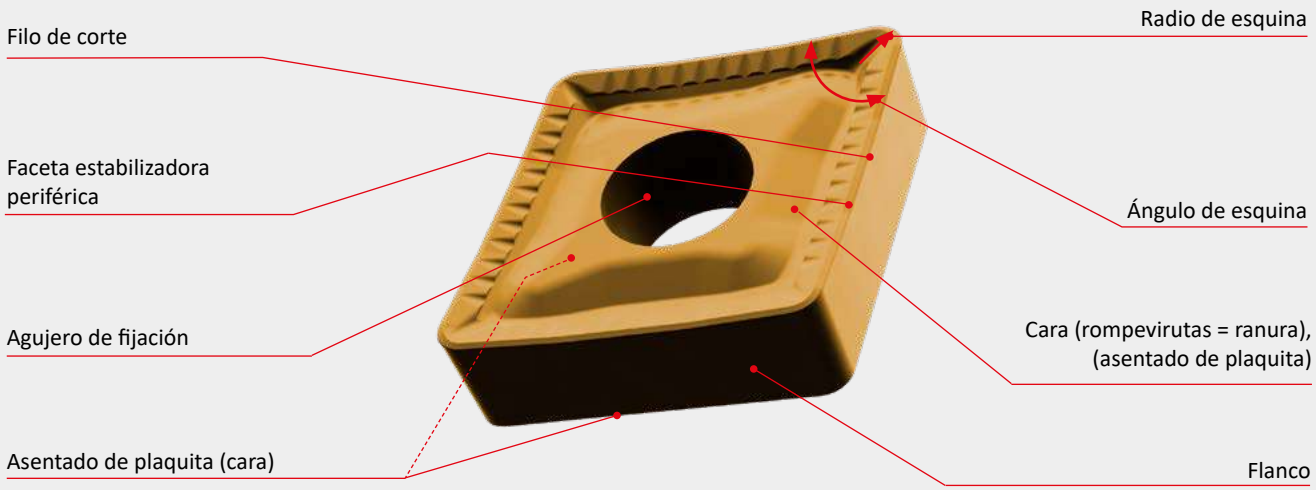
Entorno de mecanizado	C_{VcA}
Condiciones del material de trabajo (capa dura debido a la forja o a la fundición)	0.70
Torneado interior	0.75
Tronzado y ranurado (radial)	0.88
Ranurado frontal	0.80
Corte interrumpido	0.80
Condiciones de mecanizado inestables	0.85
Condiciones de mecanizado estándar	1.00
Condiciones de mecanizado estables	1.20

Velocidad de corte corregida v_{cC} resultante

$$v_{cC} = v_c \cdot k_{vG} \cdot C_{VcO} \cdot C_{VcT} \cdot C_{VcA}$$

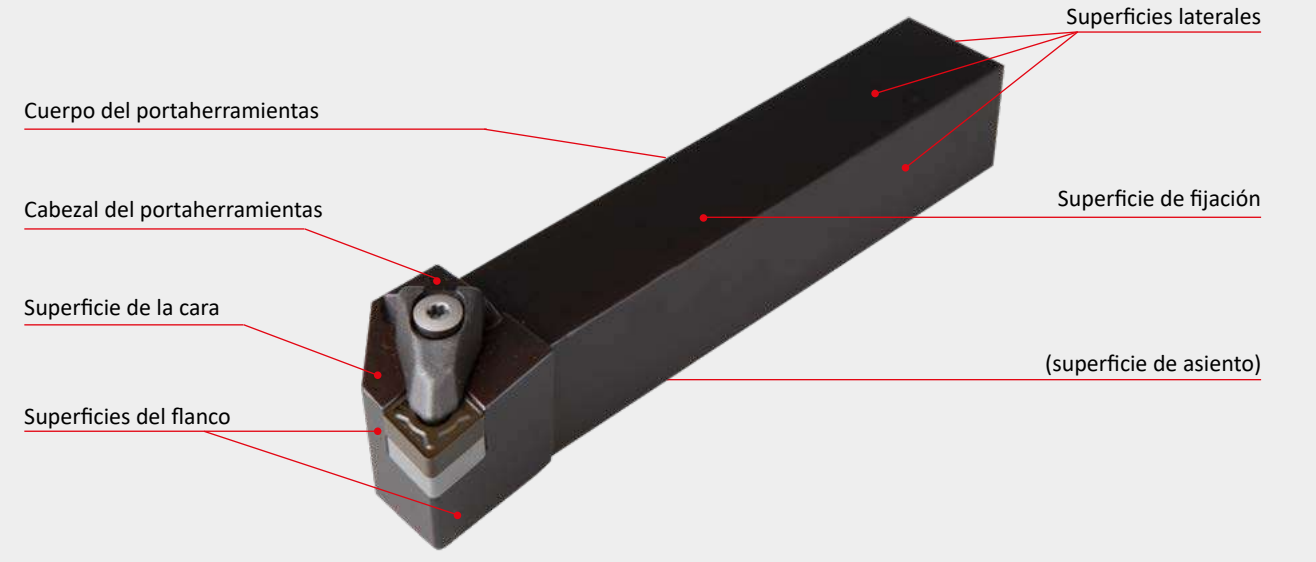
k_{vG} - coeficiente de material usado
v_c - velocidad inicial de la página del catálogo

PARTES DE la plaquita de corte



Radio de esquina: en la mayoría de los casos determina la profundidad de corte mínima recomendada y, junto con el avance, también determina la rugosidad alcanzada.
El **FILo de corte** es la intersección entre la cara y las superficies del flanco. Su rugosidad longitudinal es uno de los primeros criterios para la evaluación de una plaquita.
El **ángulo de esquina de la plaquita de corte** es muy importante para la longitud del filo de corte útil, la resistencia en el corte interrumpido, la disipación de calor del punto de corte, etc.
La **faceta estabilizadora periférica** es una zona situada detrás del filo de corte. A menudo, su anchura es variable y su ángulo también cambia regularmente. En la mayoría de los casos, la anchura de la faceta T, junto con el ángulo de ajuste en el que funciona la plaquita, es un factor de limitación a la hora de especificar el avance mínimo.
El **rompevirutas**, junto con la faceta T, determina el área de aplicación (ranuras estrechas - acabado y materiales con viruta corta, ranuras anchas - principalmente operaciones de desbaste y materiales difíciles de mecanizar).
El **agujero de fijación** (si no hay agujero, la plaquita de corte) se diseñará con total seguridad para el sistema de fijación ISO C. Si el agujero es cilíndrico, la plaquita de corte se diseña para los sistemas de fijación ISO P, M, D + (prácticamente en todos los casos, el ángulo del flanco es de 0°). Si el agujero tiene forma de trompeta y el ángulo del flanco es positivo, la plaquita es de una sola cara y está diseñada para el sistema de fijación ISO S. Si el agujero es cónico y es el mismo en ambos lados de la plaquita, lo más probable es que sea una plaquita tangencial (de doble cara).
En cuanto al **asiento de la plaquita**, si está formado por el mismo relieve que la superficie frontal, la plaquita es de doble cara; si es diferente, la plaquita es de una sola cara. Debe evaluarse en función de la carga prevista o del tipo de corte (el tamaño y la distancia del radio y los filos de corte).

Partes de un portaherramientas



La herramienta de torneado consta de dos partes básicas:

1) El cuerpo consta de las partes siguientes:
- Superficie de asiento
- Superficie de fijación
- Superficies laterales (que además pueden estar provistas de tornillos de ajuste)

Nota: Para el torneado exterior, el cuerpo del portaherramientas suele ser una sección transversal cuadrada (cuadrado o rectángulo). Para el torneado interior, la sección transversal del cuerpo del portaherramientas es circular y, en el caso de secciones transversales grandes, cuenta con superficies de ajuste. No obstante, el cuerpo del portaherramientas también puede estar formado por un tipo especial de mango, como CAPTO (PSC) o HSK.

2) El cabezal consta de las partes siguientes:
- Cara
- Superficies del flanco

El cabezal del portaherramientas incluye también un sistema de fijación en el que se insertan las plaquitas de corte.
Desde el lado de la cara (para plaquitas radiales) o desde el lado de la superficie del flanco (para plaquitas tangenciales).

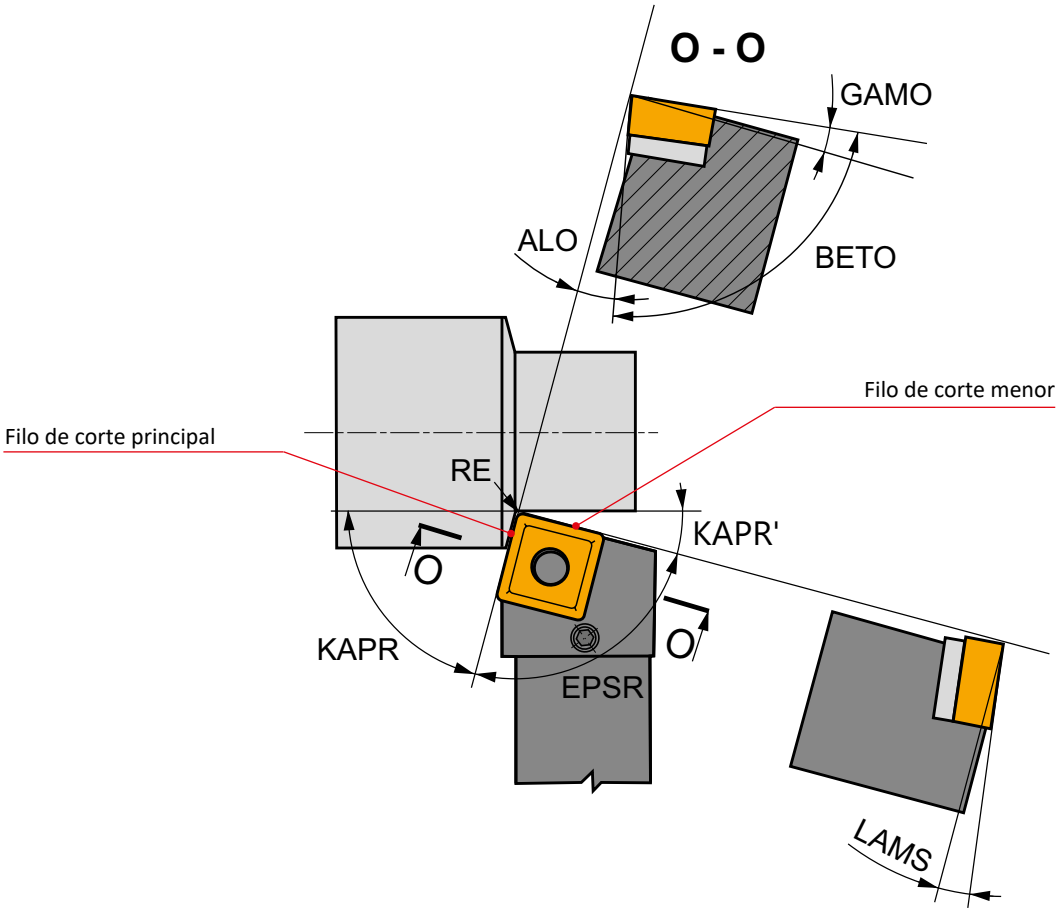
Nota: Existen los siguientes tipos de cabezales:
- Rectos: permiten tornear en ambas direcciones
- Laterales: pueden ser de diseño a la derecha o a la izquierda
- Doblados: se distingue entre el diseño a la derecha y a la izquierda (permite un mejor acceso al girar superficies más complejas)

Ángulos de trabajo y construcción de herramientas de torneado

La posición y la orientación del filo de corte en relación con la pieza y su forma geométrica determinan las características del ángulo de corte.
Los ángulos del filo de corte se determinan mediante un sistema de dos coordenadas:

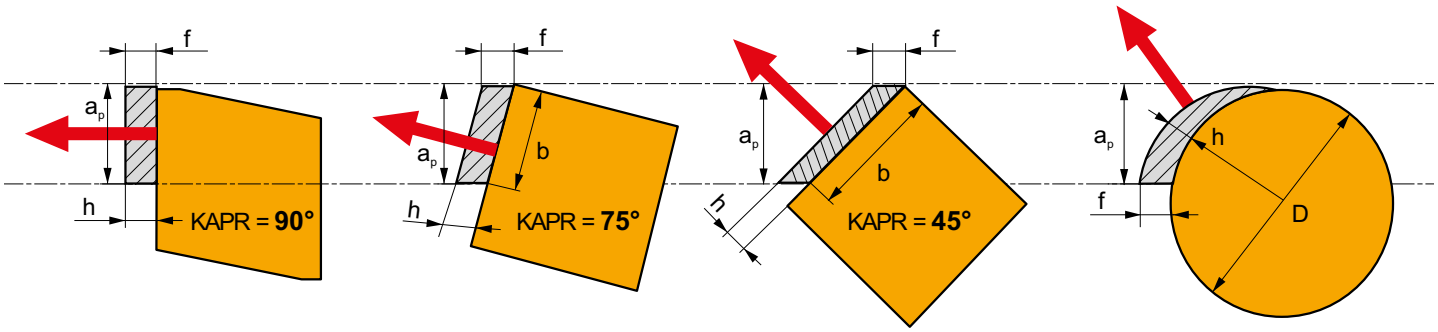
a) diseño
b) trabajo

a) Sistema de coordenadas de la herramienta (estacionario), que se utiliza para determinar la geometría del filo de corte durante el diseño, la producción y la comprobación. Todos los ángulos definidos en este sistema se denominan ángulos de corte de la herramienta. Todos los ángulos definidos por las normas ISO según la forma de la plaquita pertenecen a este grupo.



b) Sistema de coordenadas de trabajo, que se utiliza para determinar la geometría del filo de corte durante el proceso de mecanizado. Estos ángulos se denominan ángulos de trabajo y dependen de la posición de la plaquita fijada en el portaherramientas. Por ejemplo, la plaquita de corte SNUN ..... tiene un ángulo de salida de la herramienta ***AN*** = 0° y un ángulo de desprendimiento ***GAMP*** = 0°; sin embargo, la plaquita de corte se sujeta en el portaherramientas para obtener un ángulo de salida de trabajo ***ALO*** = 6° y un ángulo de desprendimiento de trabajo ***GAMO*** = -6°. Los ángulos de trabajo afectan a los ángulos de la herramienta con rompevirutas preformados. Sin embargo, lo más importante son los ángulos de trabajo para el proceso de corte.

Los ángulos básicos de la herramienta se indican en la imagen en el plano básico de la herramienta (intercalado por la superficie de apoyo del portaherramientas) y en el plano normal de la herramienta (intercalado a través del filo de corte - corte O-O).
Nos interesan los siguientes ángulos:
El **ángulo de desprendimiento** ***GAMO***, que afecta sustancialmente al proceso de corte. Su tamaño determina el progreso y la intensidad de la deformación plástica durante la formación de virutas; también determina el valor de las fuerzas de corte y la tensión térmica en el filo de corte. La horquilla de ángulos de desprendimiento es amplia, de ***GAMO*** = +25° a -15° para herramientas de corte con plaquitas de corte intercambiables para fresado y torneado. Un ángulo de desprendimiento positivo mejora las condiciones de formación de viruta, reduce las fuerzas de corte y reduce también el nivel de la temperatura de corte. Un ángulo de desprendimiento negativo mejora la fuerza del filo de corte; sin embargo, aumenta la deformación plástica durante la formación de virutas y, por tanto, aumenta también las fuerzas de corte y las temperaturas.
El **ángulo de salida** ***ALO*** afecta al valor de fricción entre la superficie del flanco y la superficie mecanizada. Al aumentar el ángulo de salida ***ALO*** se reduce esta fricción y, por tanto, el desgaste en flanco.
El **ángulo interno** ***BETO*** es el ángulo de la cuña de la plaquita de corte. Al aumentar el ángulo ***BETO*** aumenta la fuerza del filo de corte (resistencia a los golpes); sin embargo, también aumenta la resistencia de corte.
El **ángulo de inclinación del filo de corte principal** ***LAMS*** determina el punto del primer contacto entre el filo de corte y la pieza, que es importante en el caso de cortes interrumpidos. Si ***LAMS*** es positivo, el punto de contacto estará cerca de la punta de la plaquita de corte. Un ángulo ***LAMS*** negativo desplaza el punto de primer contacto lejos de la punta y ello afecta a la resistencia del filo de corte frente a la tensión mecánica. Además, el ángulo ***LAMS*** influye en la dirección de evacuación de viruta. Si ***LAMS*** es negativo, las virutas se evacuarán en dirección a la superficie mecanizada. En cambio, si ***LAMS*** es positivo, las virutas se evacuarán lejos de la superficie mecanizada.
El **ángulo de posición del filo de corte principal** ***KAPR*** influye principalmente en los valores de las fuerzas de corte y en la forma de la sección transversal de la viruta. Si se reduce el ángulo ***KAPR***, la viruta será más delgada a un valor de avance determinado ***f*** y a una profundidad de corte a_p. En cambio, si ***KAPR*** = 90°, el espesor de viruta ***h*** = ***f*** y el ancho de viruta ***b*** = a_p aumenta. Si disminuye el ángulo de posición, el ancho funcional de la faceta T aumenta y el ángulo de desprendimiento de la plaquita disminuye.
El **ángulo de posición del filo de corte menor** ***KAPR´***,junto con el radio de esquina ***RE***, definen la calidad superficial final.

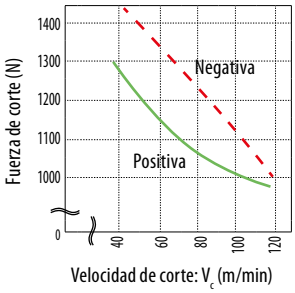
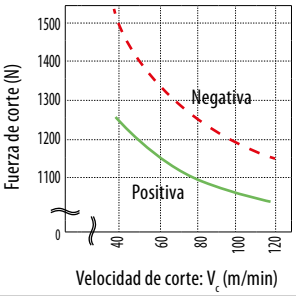
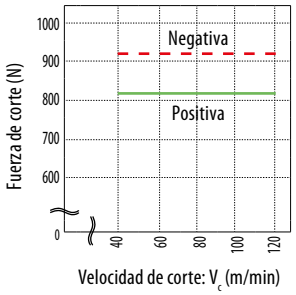
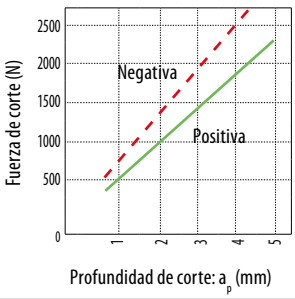
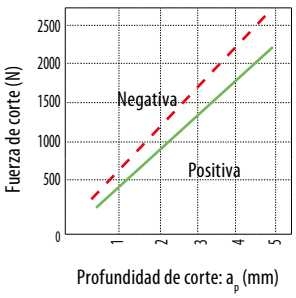
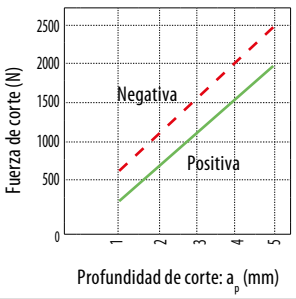
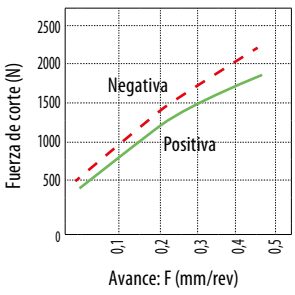
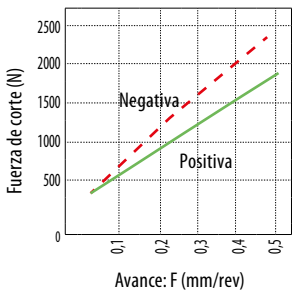
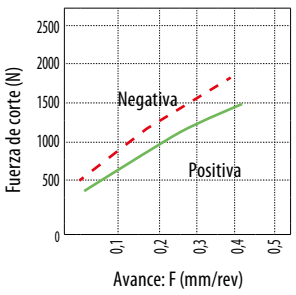
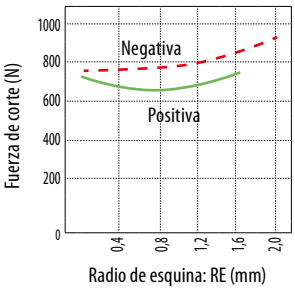
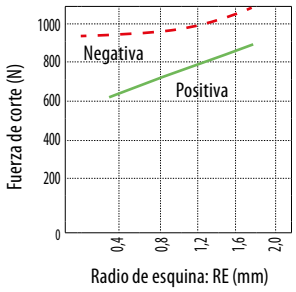
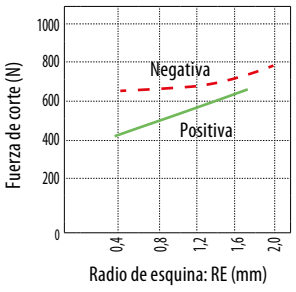
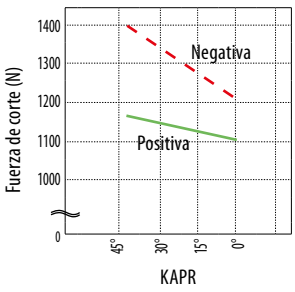
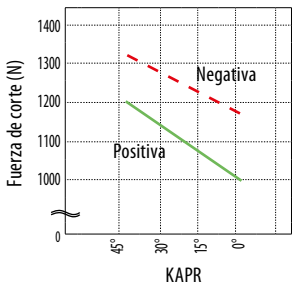
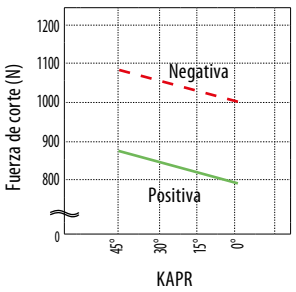
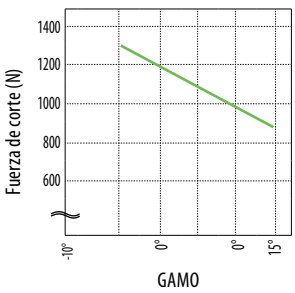
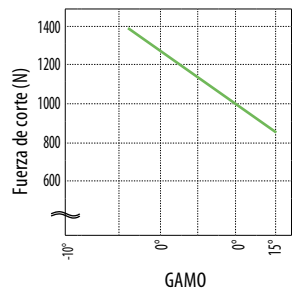
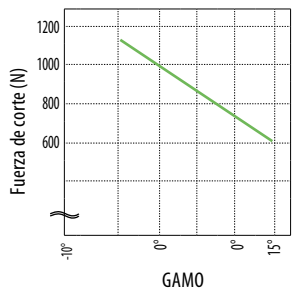


h = ***f*** | ***h*** = **0,96** ***f*** | ***h*** = **0,71** ***f*** | ***h*** = **0 ÷** ***f***

Efecto de la geometría de la herramienta de trabajo

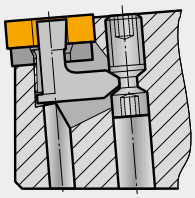
Parámetro	Cambio	Abrasión del flanco	Formación de desgaste del cráter	Tendencia a la deformación plástica	Resistencia a condiciones de trabajo adversas	Superficie	Fuerzas de corte	Tendencia a la vibración	Temperatura de corte media	Formación de virutas
Ángulo del filo de corte principal	**Menor o mayor que 90°**	Se ha reducido ligeramente	Se ha reducido ligeramente	Se ha reducido ligeramente	Ha mejorado ligeramente	Efecto no probado	Ha incrementado ligeramente	Ha incrementado	Inferior	La viruta es más fina y más ancha (cambios de b/h)
Ángulo del filo de corte menor	**Ha disminuido**	Se ha reducido ligeramente	Efecto no probado	Ha incrementado ligeramente	Ha mejorado muy ligeramente	Ha mejorado (condicional)	Ha incrementado ligeramente	Ha incrementado	Muy ligeramente superior	Efecto insignificante
Ángulo de esquina	**Ha incrementado**	Efecto no probado	Efecto no probado	Se ha reducido	Ha mejorado	Efecto no probado	Efecto no probado (-)	Ha incrementado ligeramente	Muy ligeramente superior	Efecto insignificante
Radio de esquina	**Ha incrementado**	Se ha reducido (hasta cierto nivel)	Se ha reducido (hasta cierto nivel)	Se ha reducido	Ha mejorado	Ha mejorado (condicional)	Ha aumentado (hasta cierto nivel)	Ha incrementado	Ligeramente superior	Formación más blanda (en su mayoría, basada en el rompevirutas)
Ángulo del flanco	**Más positivo**	Se ha reducido	Efecto no probado	Se ha reducido muy ligeramente	Ligeramente peor	Ha mejorado (condicional)	Se ha reducido ligeramente	Se ha reducido ligeramente	Ligeramente inferior	Efecto no probado
Ángulo de cara	**Más positivo**	Se ha reducido muy ligeramente	Se ha reducido	Se ha reducido ligeramente	Ligeramente peor	Efecto no probado (+)	Se ha reducido ligeramente	Se ha reducido	Inferior	La viruta está menos comprimida, pero es forzada a acercarse al filo de corte
Ángulo del filo de corte	**Positivo**	Efecto no probado	Se ha reducido ligeramente	Se ha reducido ligeramente	Ligeramente peor	Efecto no probado (+)	Se ha reducido ligeramente	Se ha reducido ligeramente	Ligeramente inferior	Desvía la viruta de la pieza
Ancho de la faceta T	**Más ancho**	Ha incrementado ligeramente	Ha incrementado ligeramente	Ha incrementado ligeramente	Ha mejorado ligeramente	Efecto no probado (+)	Ha incrementado	Ha incrementado	Superior	La viruta se comprime más, pero presiona una superficie mayor
Ángulo de la faceta T (trabajo)	**Positivo**	Se ha reducido muy ligeramente	Se ha reducido ligeramente	Se ha reducido ligeramente	Ligeramente peor	Efecto no probado (+)	Se ha reducido	Se ha reducido	Ligeramente inferior	La viruta está menos comprimida

¿Qué afecta a las fuerzas de corte y cómo?

Condiciones	Acero al carbono (HB230)	Acero inoxidable (HB145)	Fundición gris (HB130)
Velocidad de corte y fuerza de corte $f = 0{,}2$ mm/rev $a_p = 2$ mm KAPR 90° RE 0.4			
Profundidad de corte y fuerza de corte $V_c = 100$ m/min $a_p = 0{,}2$ mm/rev KAPR 90° RE 0.4			
Avance de corte y fuerza de corte $V_c = 100$ m/min $a_p = 2$ mm KAPR 90° RE 0.4			
Radio de esquina y fuerza de corte $V_c = 100$ m/min $f = 0{,}2$ mm/rev $a_p = 1{,}2$ mm KAPR 90°			
Ángulo del filo de corte principal $V_c = 100$ m/min $f = 0{,}2$ mm/rev $a_p = 2$ mm KAPR 45°, 60°, 75°, 90° (valores en el eje x) RE 0.4			
Ángulo de desprendimiento y fuerza de corte $V_c = 100$ m/min $f = 0{,}2$ mm/rev $a_p = 2$ mm KAPR 90° RE 0.4			

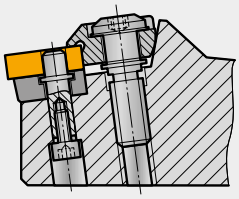
Elección del portaherramientas en relación con la técnica de fijación

La gama de HERRAMIENTAS DE PRAMET incluye portaherramientas, soportes ajustables, torretas portaútiles y soportes ajustables para torneado exterior longitudinal, refrentado, torneado en copia y, naturalmente, también para torneado interior. Los portaherramientas se clasifican —en función del sistema de fijación de la plaquita— en seis grupos, que se ilustran de forma esquemática a continuación.



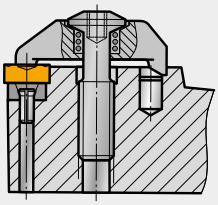
ISO P

Este sistema sirve para la fijación de plaquitas negativas con agujero cilíndrico, tanto con formadores de viruta como sin ellos. La fijación de la plaquita se consigue gracias a una palanca angular que, tras apretar el tornillo, presiona la plaquita contra la bancada del portaherramientas. Los portaherramientas que cuentan con este sistema de fijación de plaquitas garantizan una fijación fiable y precisa de la plaquita de corte. Son los que mejor funcionan y los que más se utilizan en las operaciones de torneado exterior, tanto de acabado como de desbaste. Alternativamente, este tipo de fijación puede utilizarse también para los portaherramientas destinados al torneado interior de agujeros con diámetros mayores.



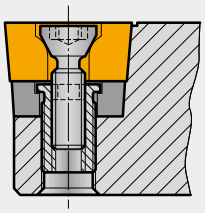
ISO M

Este sistema se utiliza para la fijación de plaquitas de corte del mismo tipo que en el caso del sistema ISO P. En este caso, la plaquita se coloca en un perno fuerte, al cual se presiona mediante una abrazadera que también fija al mismo tiempo la parte superior de la plaquita. Este sistema de fijación es adecuado principalmente para portaherramientas con una carga dinámica supuestamente mayor. Estos portaherramientas se utilizan casi en exclusiva para el torneado exterior.



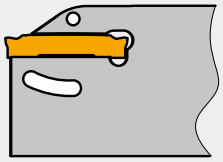
ISO C

Este sistema sirve para la fijación de plaquitas de corte negativas y positivas sin agujeros, es decir, tanto con formadores de viruta (preprensadas, rectificadas y prensadas lateralmente) como sin ellos. La plaquita se fija en la bancada de un portaherramientas mediante una abrazadera atornillada, bajo la cual sigue habiendo un formador de viruta de prensado lateral en algunos tipos de plaquitas. Los portaherramientas con este sistema de fijación se utilizan para mecanizado de superficies exteriores e interiores. En la actualidad, el sistema de fijación C no tiene ninguna importancia. Sobre todo en herramientas de torneado interior ha sido sustituido por el sistema S, que aporta más beneficios.



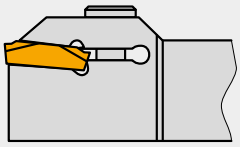
ISO S

Este sistema de fijación se utiliza principalmente para herramientas de sección pequeña, diseñadas para el torneado exterior e interior (taladrado). En este caso, la fijación se consigue mediante un tornillo especial que atraviesa un orificio del cono de la plaquita. Al apretar este tornillo, la plaquita queda fijada a la bancada de la herramienta. Esta solución es especialmente práctica porque no hay ningún obstáculo para el flujo de las virutas.



ISO X

Esta marca identifica las herramientas con el llamado sistema de fijación especial (es decir, es diferente en cada uno de los fabricantes y proveedores de herramientas). En nuestro caso, hemos identificado dentro de esta marca portaherramientas que utilizan la resistencia al corte para sujetar una plaquita en la bancada de autobloqueo. Este sistema de fijación se utiliza para herramientas de tronzado y de rebaje.

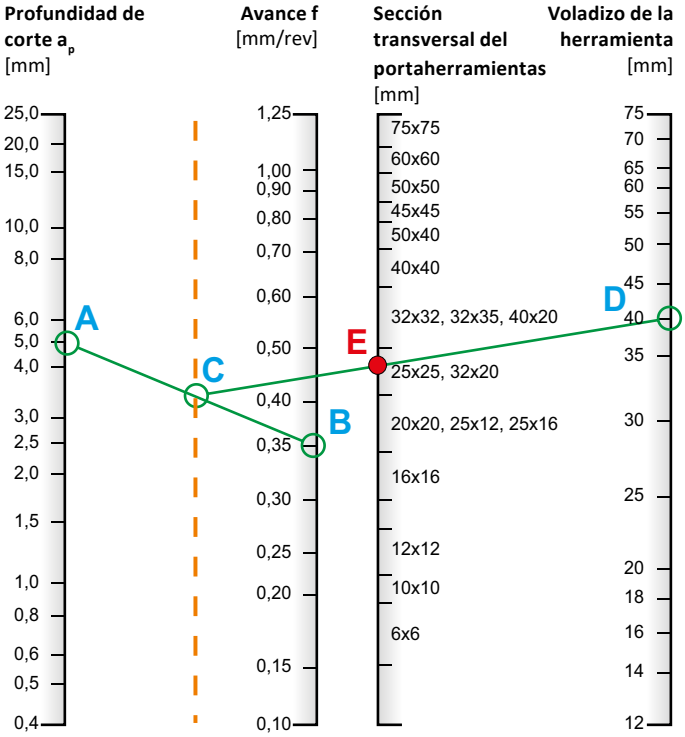


ISO G

Este sistema de fijación se utiliza con herramientas de torneado de rebajes y herramientas de torneado en copia (sistema CTP). La plaquita se introduce en la bancada del portaherramientas mediante una abrazadera desde la parte superior. La superficie de contacto del portaherramientas, de la fijación y de la plaquita está conformada de tal manera que impide el desplazamiento de la plaquita por un componente de alimentación de la velocidad de corte.

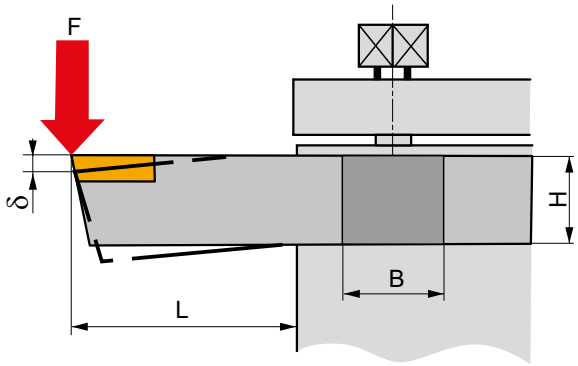
Con referencia a una herramienta de corte cuadrada

Herramientas de corte exteriores (sección transversal cuadrada)



Lamentablemente, no podemos ofrecerle un diagrama similar para elegir el diámetro de la herramienta de corte interior, ya que la situación en el torneado interior es más complicada debido a la viruta. Debido al gran voladizo debe optarse por un portaherramientas con el diámetro más grande posible, pero si el diámetro del portaherramientas está próximo al diámetro del agujero que se desea mecanizar, pueden darse problemas a la hora de la evacuación de las virutas. Suele introducirse entre la pared del agujero y el cuerpo del portaherramientas, lo que daña la superficie que se está formando.
En general, si utiliza herramientas con cuerpo de acero, el voladizo no debe superar la dimensión 4xD, y si tiene herramientas con cuerpo de metal duro o pesado, el voladizo máximo debe ser de 6xD. Recuerde que para ambos tipos de herramientas, la parte para fijar la herramienta debe ser al menos de 3xD.

Utilice la **máxima sección transversal posible** en relación con las opciones de fijación y limitaciones del proceso.

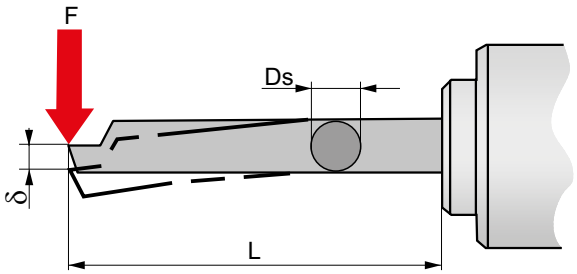


Tensión de flexión

$$\sigma = \frac{6 . F . L}{B . H^2} \quad (\text{MPa})$$

Desviación del portaherramientas

$$\delta = \frac{4 . F . L^3}{E . B . H^3} \quad (\text{mm})$$



Tensión de flexión

$$\sigma = \frac{32 . F . L}{\pi . D_s^3} \quad (\text{MPa})$$

Desviación del portaherramientas

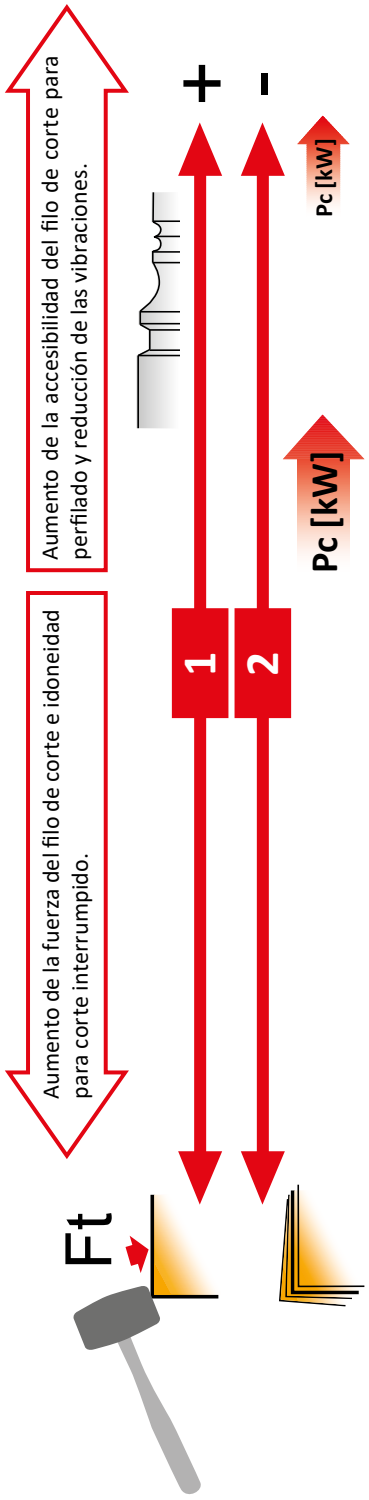
$$\delta = \frac{64 . F . L^3}{3 . \pi . E . D_s^3} \quad (\text{mm})$$

σ	Tensión de flexión en el cuerpo [MPa]
F	Fuerza de corte [N]
L	Voladizo de la herramienta [mm]
B	Ancho del cuerpo [mm]
H	Altura del cuerpo [mm]
Ds	Diámetro del cuerpo [mm]
E	Módulo elástico del material del cuerpo [MPa]

Material	MPa [N/mm²]	[kgf/mm²]
Acero	210.000	21.000
Carburo sinterizado	560.000 – 620.00	56.000 – 62.00

Una reducción del voladizo del **50 %** reduce la desviación en un **88 %.**
El aumento de **1/3** de la sección transversal reduce la flexión en un **68 %.**

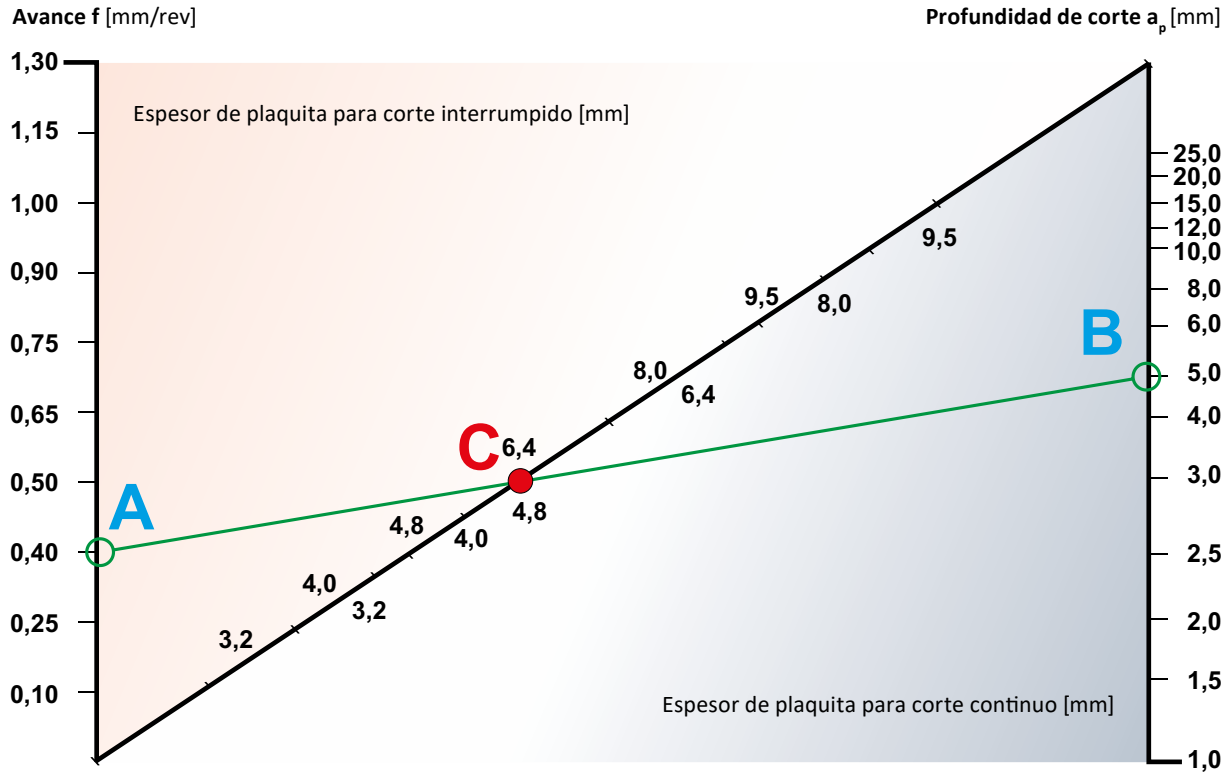
ELECCIÓN DE LA FORMA Y EL TAMAÑO DE LA PLAQUITA



Prioridad de elección	Forma de la plaquita		Ángulo de punta	Tamaño de plaquita		Longitud máxima del filo de corte Lmáx			Desbaste	Desbaste ligero	Acabado	Torneado de perfiles	Refrentado	Aplicaciones versátiles	Tendencia a la vibración	Material duro	Corte interrumpido
				ISO	ANSI		(mm)	(″)									
		V	35°	11	2	0.25L	2.80	.110″									
				13			3.30	.130″			■	■		◪	■		
				16	3		4.20	.165″									
		D	55°	07	2	0.25L	2.00	.078″									
				11	3		2.90	.114″		■	■	■	◪	■	■		
				15	4		3.90	.153″									
		T	60°	11	2	0.33L	3.60	.141″									
				16	3		5.50	.216″									
				22	4		7.30	.287″	◪	■	■	◪	◪	◪	■	◪	
				27	5		9.10	.358″									
		W	80°	06	3	0.50L	3.30	.129″	◪	■	■	◪	■	◪	◪	◪	◪
				08	4		4.40	.173″									
		C	80°	06	2	0.66L	4.20	.165″									
				09	3		6.40	.251″									
				12	4		8.50	.334″									
				16	5		10.60	.417″	■	■	◪	◪	■	■	◪	■	■
				19	6		12.70	.500″									
				25	8		16.50	.649″									
		S	90°	09	3	0.66L	6.30	.248″									
				12	4		8.40	.330″									
				15	5		10.40	.409″	■	◪			■			■	■
				19	6		12.60	.496″									
				25	8		16.80	.661″									
		C	100°	12	4	0.66L	8.50	.334″									
				19	6		12.70	.500″	■				■			■	■
				25	8		16.50	.649″									
		R		06		0.40D	2.40	.094″									
				08			3.20	.125″									
				10			4.00	.157″									
				12			4.80	.188″									
				15			6.00	.236″	■				◪	◪		■	■
				16			6.40	.251″									
				19			7.60	.299″									
				20			8.00	.315″									
				25			10.00	.393″									
				32			12.80	.503″									

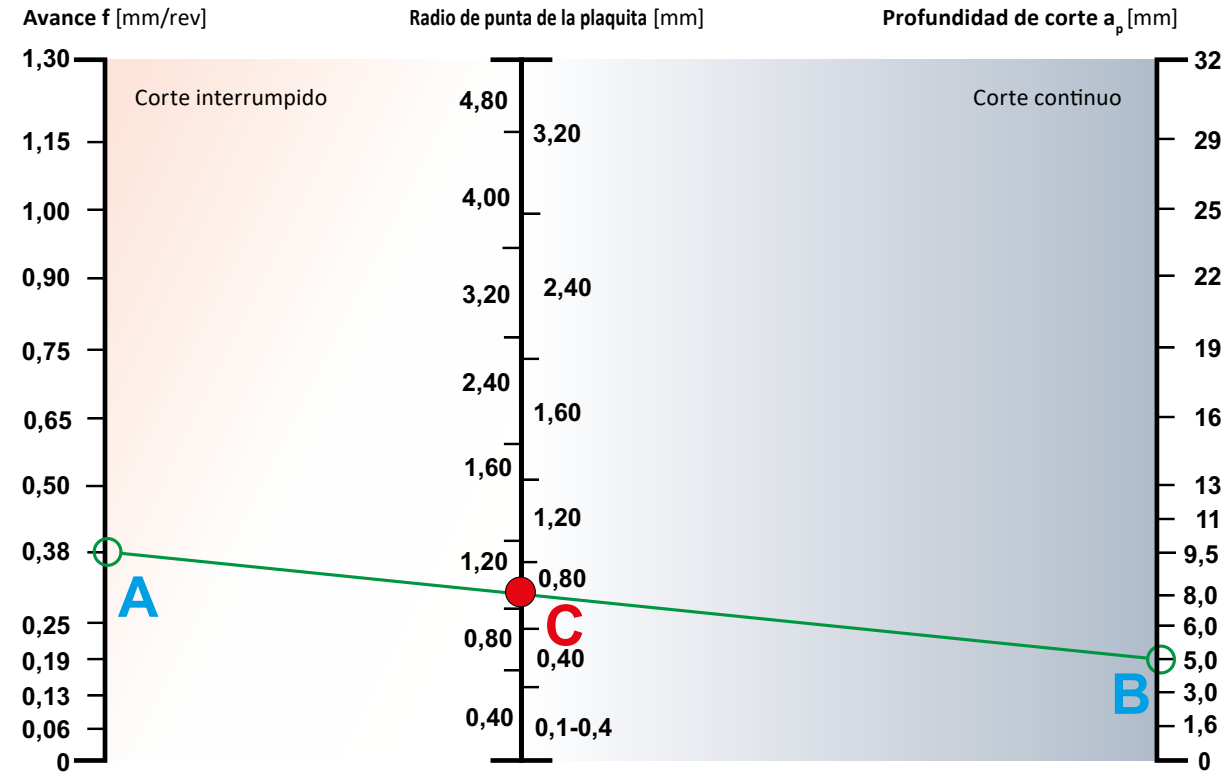
Elección del espesor de plaquita óptimo

Basándonos en la práctica, solo se recomienda para cortes interrumpidos y con una carga máxima de plaquitas.

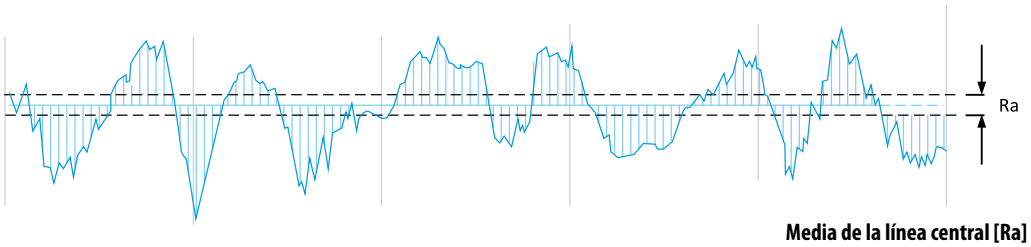


Elección del radio de punta de plaquita óptimo

Basándonos en la práctica, solo se recomienda para cortes interrumpidos y con una carga máxima de plaquitas.



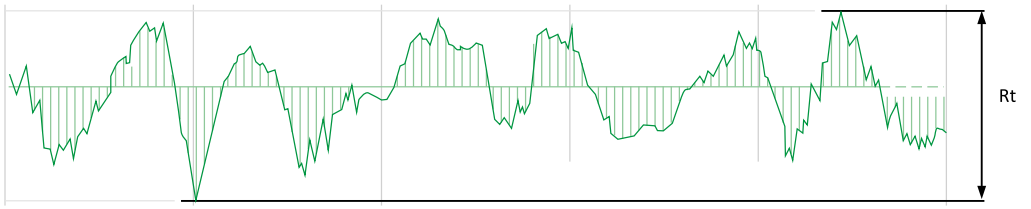
El radio de la plaquita, junto con el avance y el ángulo del filo de corte menor, es uno de los principales criterios que determinan la rugosidad de la superficie mecanizada. Por supuesto, las propiedades y el tipo de material que se mecaniza, incluido el entorno de corte, tienen un impacto significativo.
Al principio de esta sección, indicamos los principales parámetros de rugosidad que se especifican con más frecuencia en la práctica de la ingeniería.



Media de la línea central [Ra]

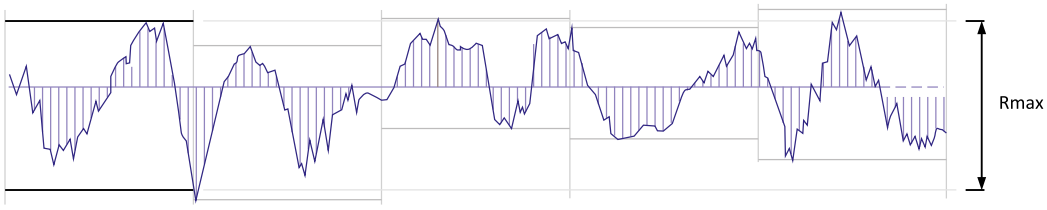
Ra: rugosidad media
Ra también se conoce como media aritmética (AA) o media de la línea central (CLA). Es la rugosidad media en la zona comprendida entre el perfil de rugosidad y su línea media. Gráficamente, Ra es el área entre el perfil de rugosidad y su línea central dividida por la longitud de evaluación. Por lo general, la longitud de evaluación equivale a cinco longitudes de muestra, donde cada longitud de muestra equivale a una longitud de corte, tal y como se aprecia en el gráfico.

Ra es, con diferencia, el parámetro de acabado superficial más utilizado y un buen punto de partida para cuantificar las piezas, incluso cuando no hay una indicación de parámetro (acabado superficial requerido). Sin embargo, aunque es común, Ra no es suficiente para definir por completo la rugosidad de una superficie. En función de la aplicación, superficies con la misma rugosidad pueden tener un comportamiento muy diferente. Veamos la misma rugosidad superficial analizada de otras tres maneras diferentes:



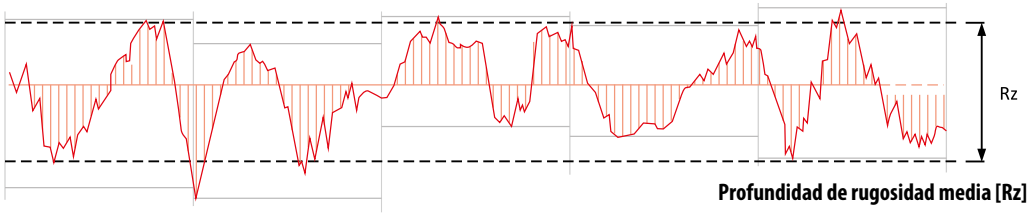
Altura total del perfil de rugosidad [Rt]

Rt: altura total del perfil de rugosidad
Diferencia entre la altura del pico más alto y la profundidad del valle más profundo dentro de la longitud de evaluación, tal y como puede verse en el gráfico inferior.



Mayor profundidad de rugosidad [Rmáx]

Rmáx: distancia máxima del pico más alto al valle más bajo de la longitud total de corte
O dicho de otra forma, Rmáx es la mayor profundidad de rugosidad medida dentro de una de las longitudes de la muestra. Rmáx es especialmente sensible a las anomalías, como los arañazos y las rebabas, que pueden no ser evidentes a partir de medidas como Ra, basadas en promedios.



Profundidad de rugosidad media [Rz]

Rz: profundidad de rugosidad media
Rz se suele preferir a Ra en Europa y, en particular, en Alemania. En lugar de medir desde la línea central como Ra, Rz mide la media de las cinco mayores diferencias de pico a valle dentro de cinco longitudes de muestra. Mientras que Ra es relativamente insensible a unos pocos extremos, Rz es bastante sensible, ya que está diseñada para medir los extremos.

Calidades de rugosidad superficial: Números «N»

Los números «N» se utilizan habitualmente en los planos técnicos para describir la rugosidad del acabado superficial. En el pasado se utilizaban triángulos, pero estos no son tan concretos para explicar el acabado superficial correcto.

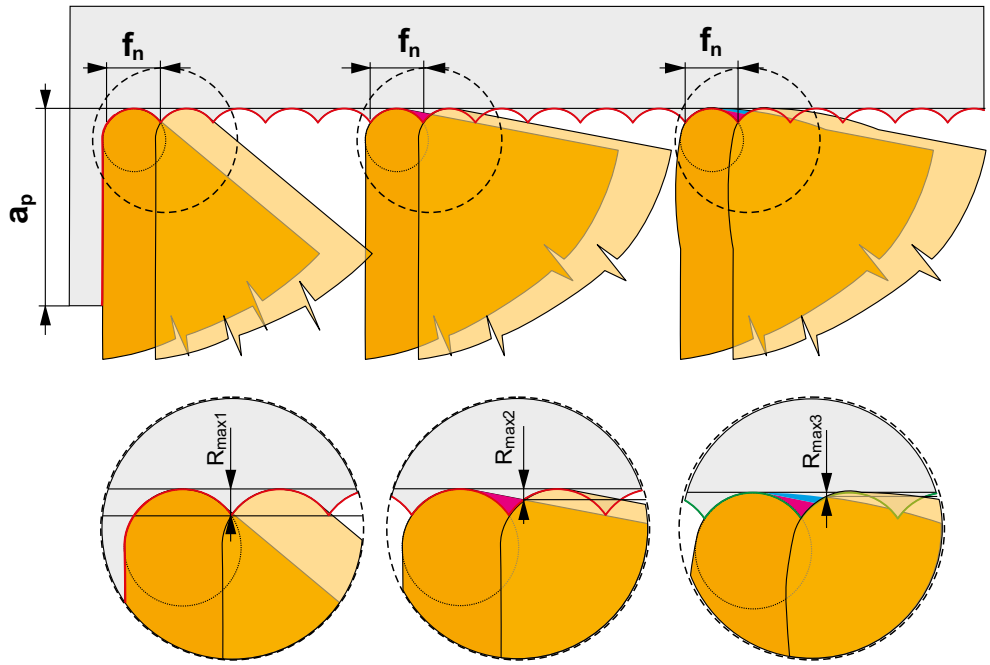
Relación con el símbolo del triángulo

Media aritmética de rugosidad Ra [µm]	Altura máx. de la rugosidad Rz [µm]	Rugosidad media de diez puntos RzJIS [µm]	Calidad de rugosidad	Nota: (Relación con el triángulo)
0.025	0.1	0.1	N1	VVVV
0.05	0.2	0.2	N2	
0.1	0.4	0.4	N3	
0.2	0.8	0.8	N4	
0.4	1.6	1.6	N5	VVV
0.8	3.2	3.2	N6	
1.6	6.3	6.3	N7	
3.2	12.5	12.5	N8	VV
6.3	25	25	N9	
12.5	50	50	N10	V
25	100	100	N11	

Nota: El símbolo de acabado (triángulo y onda~) se eliminó de la norma JIS en la revisión de 1994.

En el mercado se pueden encontrar algunos «RugoTest» o test de rugosidad en los que se puede comprobar visualmente el acabado superficial si no se dispone de un equipo electrónico. Tenga en cuenta que se trata solo de una guía y no de una medida.

Los valores de rugosidad R_z y R_a especificados en las siguientes tablas son válidos para torneado con plaquitas de corte con un valor mayor del ángulo del filo de corte menor ***KAPR'***, p. ej., plaquitas de formas básicas **T..., S..., D...., K..., V...** Para el torneado con plaquitas de corte con formas **C ..., W ...** y, en particular, con plaquitas de corte con geometría WIPER, como herramientas con ángulos de ajuste ***KAPR*** = 90° - 95°, se suelen alcanzar valores de rugosidad R_a menores en comparación con los datos de la tabla. Esto se debe al bajo valor del ángulo del filo de corte menor ***KAPR'***. En este caso, las áreas rugosas se cortan y las áreas rugosas máximas teóricas se reducen a $R_{máx3} < R_{máx2} < R_{máx1}$, tal y como se desprende de la comparación en la imagen 17 que se muestra a continuación.



Calidad de la superficie por torneado R_{max}

$$R_{max} = \frac{f^2}{8.RE} \cdot 1000$$

f ⇨	*RE* Radio																		
	0.1	0.2	0.4	0.5	0.8	1.0	1.2	1.5	1.6	2.0	2.4	2.5	3.0	3.2	3.5	4.0	5.0	6.0	8.0
	Superficie R_{max} (µm)																		
0.05	3.13	1.56	0.78	0.63	0.39	0.31	0.26	0.21	0.20	0.16	0.13	0.13	0.10	0.10	0.09	0.08	0.06	0.05	0.04
0.07	6.1	3.06	1.53	1.23	0.77	0.61	0.51	0.41	0.38	0.31	0.26	0.25	0.20	0.19	0.18	0.15	0.12	0.10	0.08
0.08	8.0	4.0	2.00	1.60	1.00	0.80	0.67	0.53	0.50	0.40	0.33	0.32	0.27	0.25	0.23	0.20	0.16	0.13	0.10
0.10		6.3	3.13	2.50	1.56	1.25	1.04	0.83	0.78	0.63	0.52	0.50	0.42	0.39	0.36	0.31	0.25	0.21	0.16
0.12		9.0	4.50	3.60	2.25	1.80	1.50	1.20	1.13	0.90	0.75	0.72	0.60	0.56	0.51	0.45	0.36	0.30	0.23
0.15		14	7.0	5.6	3.52	2.81	2.34	1.88	1.76	1.41	1.17	1.13	0.94	0.88	0.80	0.70	0.56	0.47	0.35
0.16		16	8.0	6.4	4.00	3.20	2.67	2.13	2.00	1.60	1.33	1.28	1.07	1.00	0.91	0.80	0.64	0.53	0.40
0.18		20	10.1	8.1	5.1	4.05	3.38	2.70	2.53	2.03	1.69	1.62	1.35	1.27	1.16	1.01	0.81	0.68	0.51
0.20			13	10.0	6.3	5.0	4.17	3.33	3.13	2.50	2.08	2.00	1.67	1.56	1.43	1.25	1.00	0.83	0.63
0.22			15	12.1	7.6	6.1	5.0	4.03	3.78	3.03	2.52	2.42	2.02	1.89	1.73	1.51	1.21	1.01	0.76
0.25			20	16	9.8	7.8	6.5	5.2	4.88	3.91	3.26	3.13	2.60	2.44	2.23	1.95	1.56	1.30	0.98
0.27			23	18	11.4	9.1	7.6	6.1	5.7	4.56	3.80	3.65	3.04	2.85	2.60	2.28	1.82	1.52	1.14
0.30			28	23	14	11.3	9.4	7.5	7.0	5.6	4.69	4.50	3.75	3.52	3.21	2.81	2.25	1.88	1.41
0.32			32	26	16	13	10.7	8.5	8.0	6.4	5.3	5.1	4.27	4.00	3.66	3.20	2.56	2.13	1.60
0.35			38	31	19	15	13	10.2	9.6	7.7	6.4	6.1	5.1	4.79	4.38	3.83	3.06	2.55	1.91
0.37			43	34	21	17	14	11.4	10.7	8.6	7.1	6.8	5.7	5.3	4.89	4.28	3.42	2.85	2.14
0.40				40	25	20	17	13	13	10.0	8.3	8.0	6.7	6.3	5.7	5.0	4.00	3.33	2.50
0.45				51	32	25	21	17	16	13	10.5	10.1	8.4	7.9	7.2	6.3	5.1	4.22	3.16
0.50					39	31	26	21	20	16	13	13	10.4	9.8	8.9	7.8	6.3	5.2	3.91
0.55					47	38	32	25	24	19	16	15	13	11.8	10.8	9.5	7.6	6.3	4.73
0.60					56	45	38	30	28	23	19	18	15	14	13	11.3	9.0	7.5	5.6
0.65					66	53	44	35	33	26	22	21	18	17	15	13	10.6	8.8	6.6
0.70					77	61	51	41	38	31	26	25	20	19	18	15	12.3	10.2	7.7
0.75					88	70	59	47	44	35	29	28	23	22	20	18	14	11.7	8.8
0.80						80	67	53	50	40	33	32	27	25	23	20	16	13	10.0
0.85						90	75	60	56	45	38	36	30	28	26	23	18	15	11.3
0.90						101	84	68	63	51	42	41	34	32	29	25	20	17	13
0.95						113	94	75	71	56	47	45	38	35	32	28	23	19	14
1.00							104	83	78	63	52	50	42	39	36	31	25	21	16
1.20								120	113	90	75	72	60	56	51	45	36	30	23
1.30								141	132	106	88	85	70	66	60	53	42	35	26
1.40								163	153	123	102	98	82	77	70	61	49	41	31
1.50									176	141	117	113	94	88	80	70	56	47	35
1.60										160	133	128	107	100	91	80	64	53	40
1.70										181	151	145	120	113	103	90	72	60	45
1.80										203	169	162	135	127	116	101	81	68	51
1.90										226	188	181	150	141	129	113	90	75	56
2.00											208	200	167	156	143	125	100	83	63
2.20											252	242	202	189	173	151	121	101	76
2.50													260	244	223	195	156	130	98

Peligro de rotura de virutas

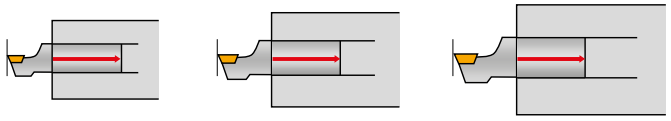
Calidad de la superficie por torneado R_a

$$R_a = 43{,}9 \frac{f^{1{,}88}}{RE^{0{,}97}}$$

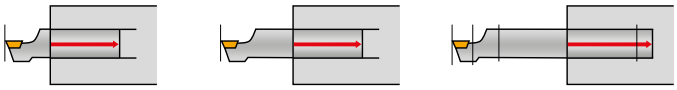
f ⇨	*RE* Radio																		
	0.1	0.2	0.4	0.5	0.8	1.0	1.2	1.5	1.6	2.0	2.4	2.5	3.0	3.2	3.5	4.0	5.0	6.0	8.0
	Superficie R_a (µm)																		
0.05	1.47	0.75	0.38	0.31	0.20	0.16	0.13	0.11	0.10	0.08	0.07	0.06	0.05	0.05	0.05	0.04	0.03	0.03	0.02
0.07	2.76	1.41	0.72	0.58	0.37	0.30	0.25	0.20	0.19	0.15	0.13	0.12	0.10	0.10	0.09	0.08	0.06	0.05	0.04
0.08	3.55	1.81	0.93	0.75	0.47	0.38	0.32	0.26	0.24	0.19	0.16	0.16	0.13	0.12	0.11	0.10	0.08	0.07	0.05
0.10		2.76	1.41	1.13	0.72	0.58	0.48	0.39	0.37	0.30	0.25	0.24	0.20	0.19	0.17	0.15	0.12	0.10	0.08
0.12		3.88	1.98	1.60	1.01	0.82	0.68	0.55	0.52	0.42	0.35	0.34	0.28	0.26	0.24	0.21	0.17	0.14	0.11
0.15		5.9	3.02	2.43	1.54	1.24	1.04	0.84	0.79	0.63	0.53	0.51	0.43	0.40	0.37	0.32	0.26	0.22	0.17
0.16		6.7	3.41	2.74	1.74	1.40	1.17	0.94	0.89	0.71	0.60	0.58	0.48	0.45	0.42	0.36	0.29	0.25	0.19
0.18		8.3	4.25	3.42	2.17	1.75	1.46	1.18	1.11	0.89	0.75	0.72	0.60	0.57	0.52	0.46	0.37	0.31	0.23
0.20			5.2	4.17	2.64	2.13	1.78	1.44	1.35	1.09	0.91	0.88	0.73	0.69	0.63	0.56	0.45	0.37	0.28
0.22			6.2	4.99	3.16	2.55	2.14	1.72	1.62	1.30	1.09	1.05	0.88	0.82	0.76	0.66	0.53	0.45	0.34
0.25			7.9	6.3	4.02	3.24	2.72	2.19	2.05	1.65	1.39	1.33	1.12	1.05	0.96	0.84	0.68	0.57	0.43
0.27			9.1	7.3	4.65	3.74	3.14	2.53	2.37	1.91	1.60	1.54	1.29	1.21	1.11	0.98	0.79	0.66	0.50
0.30			11.1	8.9	5.7	4.57	3.83	3.08	2.89	2.33	1.95	1.88	1.57	1.48	1.35	1.19	0.96	0.80	0.61
0.32			13	10.1	6.4	5.2	4.32	3.48	3.27	2.63	2.20	2.12	1.78	1.67	1.53	1.34	1.08	0.91	0.69
0.35			15	11.9	7.6	6.1	5.1	4.12	3.87	3.11	2.61	2.51	2.10	1.97	1.81	1.59	1.28	1.07	0.81
0.37			16	13	8.4	6.8	5.7	4.57	4.29	3.46	2.90	2.78	2.33	2.19	2.01	1.76	1.42	1.19	0.90
0.40				15	9.7	7.8	6.6	5.3	4.97	4.00	3.35	3.22	2.70	2.54	2.33	2.04	1.65	1.38	1.04
0.45				19	12.1	9.8	8.2	6.6	6.2	4.99	4.19	4.02	3.37	3.17	2.90	2.55	2.05	1.72	1.30
0.50					15	11.9	10.0	8.0	7.6	6.1	5.1	4.90	4.11	3.86	3.54	3.11	2.50	2.10	1.59
0.55					18	14	12.0	9.6	9.0	7.3	6.1	5.9	4.92	4.62	4.23	3.72	2.99	2.51	1.90
0.60					21	17	14	11.3	10.7	8.6	7.2	6.9	5.8	5.4	4.98	4.38	3.53	2.96	2.24
0.65					24	20	16	13	12.4	10.0	8.4	8.0	6.7	6.3	5.8	5.1	4.10	3.44	2.60
0.70					28	22	19	15	14	11.5	9.6	9.2	7.7	7.3	6.7	5.9	4.71	3.95	2.99
0.75					32	26	21	17	16	13	10.9	10.5	8.8	8.3	7.6	6.7	5.4	4.50	3.40
0.80						29	24	19	18	15	12.3	11.9	9.9	9.3	8.6	7.5	6.1	5.1	3.84
0.85						32	27	22	21	17	14	13	11.1	10.5	9.6	8.4	6.8	5.7	4.30
0.90						36	30	24	23	18	15	15	12.4	11.7	10.7	9.4	7.6	6.3	4.79
0.95						40	33	27	25	20	17	16	14	13	11.8	10.4	8.4	7.0	5.3
1.00							37	30	28	22	19	18	15	14	13	11.4	9.2	7.7	5.8
1.20								42	39	32	26	25	21	20	18	16	13	10.9	8.2
1.30								49	46	37	31	30	25	23	21	19	15	13	9.6
1.40								56	52	42	35	34	28	27	25	22	17	15	11.0
1.50									60	48	40	39	32	30	28	25	20	17	13
1.60										54	45	44	37	34	32	28	22	19	14
1.70										61	51	49	41	39	35	31	25	21	16
1.80										68	57	54	46	43	39	35	28	23	18
1.90										75	63	60	51	47	44	38	31	26	20
2.00											69	66	56	52	48	42	34	28	21
2.20											83	79	67	63	57	50	41	34	26
2.50													85	80	73	64	52	43	33

Peligro de rotura de virutas

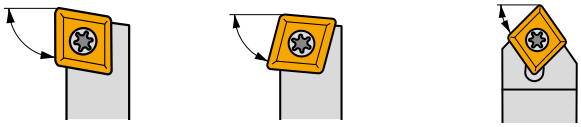
Dureza de la formación de viruta: se debe prestar gran atención a la formación adecuada de la viruta (la viruta debe ser fácilmente transportable desde el punto de corte y, al mismo tiempo, debe tener la menor deformación plástica posible, es decir, las menores fuerzas de corte posibles).



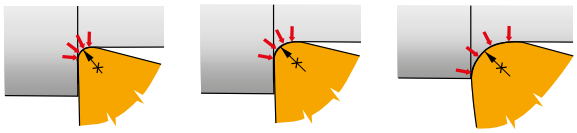
Sección transversal del cuerpo de la herramienta (rigidez de fijación): la rigidez de la propia fijación es importante. Por tanto, recomendamos utilizar herramientas de corte con la mayor sección transversal del cuerpo de la herramienta que se pueda fijar. También preferimos el uso de monobloques (PSC).



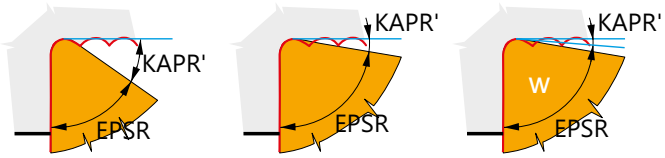
Voladizo (rigidez de fijación): el voladizo de la herramienta, o la propia rigidez de fijación, es asimismo de gran importancia. Por tanto, recomendamos minimizar el voladizo.



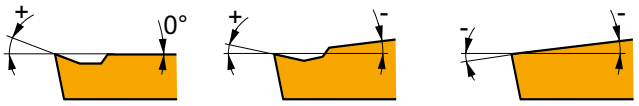
Ángulo del filo de corte principal: lo ideal es que el ángulo de ajuste de la herramienta se aproxime a 90°, es decir, que las fuerzas se dirijan lo más posible al eje del husillo de la máquina.



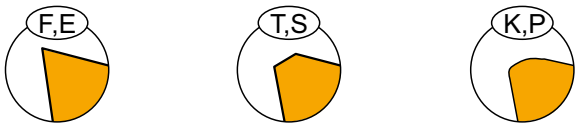
Radio de la plaquita: si existe riesgo de vibración, se recomienda seleccionar una plaquita con el menor radio de punta posible.



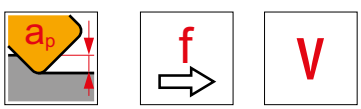
Ángulo de esquina y ángulo del filo de corte menor: en este caso se recomienda optar por una plaquita con el menor ángulo de punta posible, p. ej. V (35°), D o K (55°), o bien T (60°). No se recomienda utilizar formas C o W, ni plaquitas de corte con geometría WIPER. Tenga en cuenta que esto no siempre es aplicable (si también se producen vibraciones de torsión, el uso de estas plaquitas puede ser beneficioso).



Geometría: al tornear piezas de paredes finas y delgadas, se recomienda optar por plaquitas positivas con geometría positiva, o por plaquitas negativas con geometría positiva como segunda opción; solamente si no hay más opción se deben elegir plaquitas negativas con geometría de neutra a negativa.



Microgeometría (diseño del filo de corte): para reducir el riesgo de vibraciones es necesario seleccionar plaquitas con la geometría de filo de corte más afilada posible. Si utiliza plaquitas con faceta T, estas deben ser lo más estrechas y positivas posible. Es muy importante que la herramienta genere la menor resistencia al corte posible.

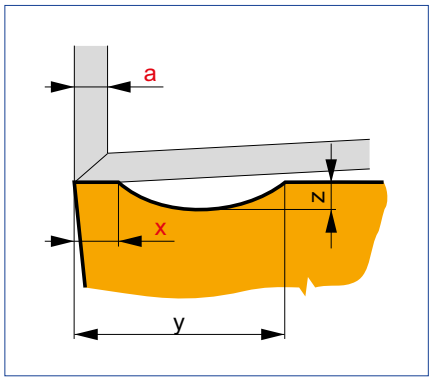


Condiciones de corte:
1) Al elegir la profundidad de corte, asegúrese siempre de que esta sea mayor que el radio de la plaquita.
2) Al elegir el avance, tenga en cuenta que la resistencia específica al corte aumenta con la disminución del espesor de viruta, es decir, no utilice avances extremadamente bajos (por debajo de 0,1 mm).
3) Si hay vibraciones, también puede ayudar el cambio de la velocidad de corte (+/-); esto está relacionado con la frecuencia inherente de la máquina.
NOTA: A menudo es ventajoso reducir la profundidad de corte (no por debajo del radio) y aumentar el avance.

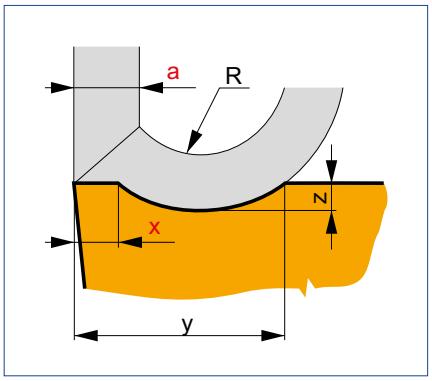
No utilice plaquitas de corte desgastadas, ya que la abrasión del flanco provoca un aumento de las fuerzas de corte y ello conlleva riesgo de vibraciones.
Si la fijación de la herramienta lo permite, desplace el filo de corte por encima del eje (en el torneado exterior) aproximadamente un 2 % del diámetro.

Elección del rompevirutas

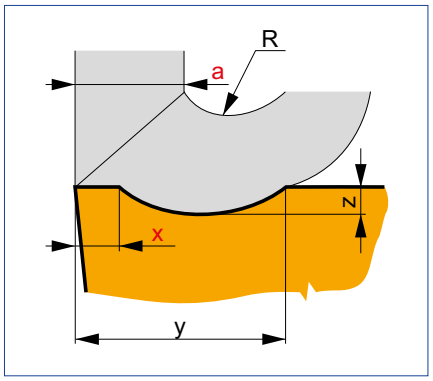
La forma de la viruta depende de varios factores: las propiedades del componente mecanizado; la resistencia, la tenacidad y la microestructura del material; las propiedades de la calidad de la plaquita, especialmente las propiedades de fricción (en la cara de desprendimiento); la geometría del filo de corte; las condiciones de corte y el tipo de rompevirutas y también las propiedades estáticas y dinámicas de la máquina.
Prácticamente todos estos factores del proceso de corte se combinan y determinan la forma de la viruta (acción de cizallamiento, flujo de la viruta o viruta rizada, que puede acumularse y obstruir la zona de mecanizado). Cada rompevirutas trabaja en un rango de avance y de profundidad de corte definido.
El avance mínimo en el que funcionará el rompevirutas depende del ancho de la faceta suprior «*x*» y de su ángulo. El avance máximo depende de la distancia desde el filo de corte hasta el rompevirutas *y* y de la profundidad del rompevirutas *z*.



Si el espesor de la capa «*a*» cortada (con un ángulo de posición *KAPR* = 90°, igual al avance) es notablemente menor que la faceta T «*x*», la viruta solo entrará en contacto con el chaflán. No podrá penetrar en el rompevirutas y, por tanto, no podrá romperse (véase la imagen).

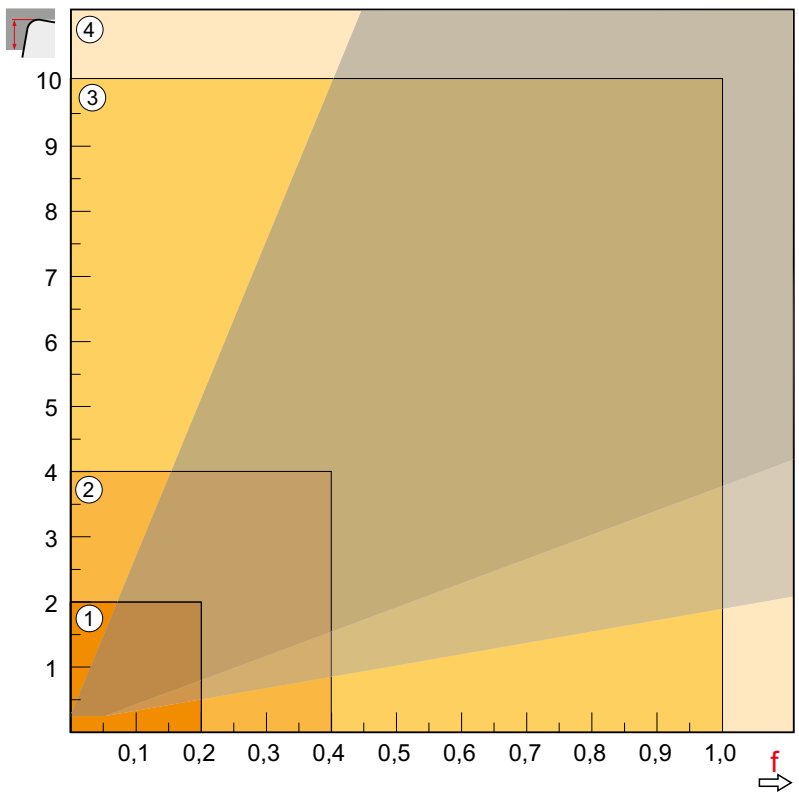


Si el avance «*f*» es mayor (espesor mayor que la profundidad de «*a*» y *x* < *a* (*f*), la viruta penetrará en el rompevirutas y se curvará con valores específicos de radio *R* (véase la imagen).

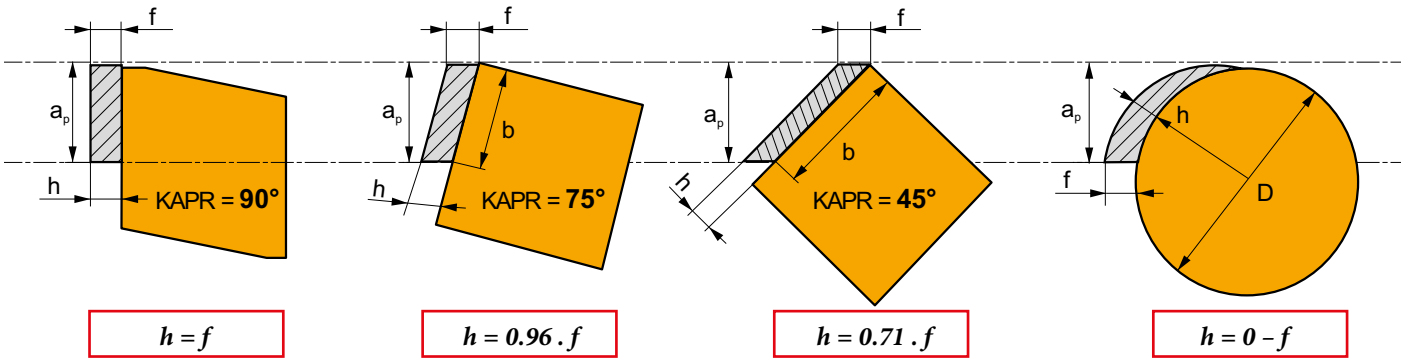


Si *x* << *a* (véase la imagen), la viruta se deformará en exceso (se aplastará). Si la viruta no alcanza el rompevirutas, esta no se romperá.

Todos los rompevirutas funcionan en un rango de condiciones de corte definido. Por ello, la zona de rotura de virutas se muestra como un rango continuo para definir las combinaciones de profundidad de corte y avance más utilizadas (véase la siguiente imagen). Los rangos de aplicación de los rompevirutas también se superponen.



		f	a_p
1	FF F	0.05 – 0.2	0.05 – 2
2	M	0.2 – 0.4	2 – 4
3	R	0.4 – 1.0	4 – 10
4	HR	> 1.0	> 10



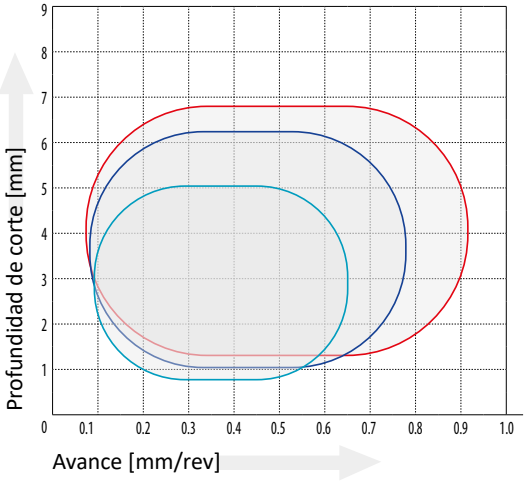
$h = f$ | $h = 0.96 \cdot f$ | $h = 0.71 \cdot f$ | $h = 0 - f$

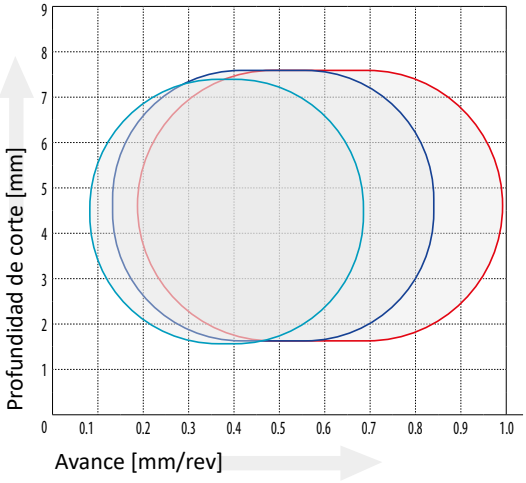
La combinación óptima de profundidad de corte y avance varía para cada material. La tabla siguiente muestra los rangos de la relación óptima entre ***b*** (ancho de viruta) y ***h*** (espesor de viruta). En el caso de ángulos de ajuste próximos a 90°, se trata esencialmente de la relación entre la profundidad de corte y el avance. Vea la imagen.

Material		min b/h	max b/h	
P		5	15	
M		8	12	
K		3	30	
N		9	11	
S	Viruta cuadrada b = h	8	12	Viruta en forma de cinta b/h >30
H		5	20	

Tal y como se desprende de la tabla, a la hora de elegir las condiciones de corte, hay que evitar la llamada viruta cuadrada, es decir, los valores en los que la anchura se aproxima al espesor de la viruta y, por otro lado, la viruta en forma de cinta, es decir, altas profundidades de corte en combinación con un bajo avance.
La tabla anterior muestra que la formación de virutas más problemática corresponde a las aleaciones de metales no férreos, en particular a las aleaciones de aluminio con o sin bajo contenido de silicio. Le siguen las superaleaciones y los aceros inoxidables (especialmente los austeníticos y dúplex). A continuación están los aceros, y la mejor situación se da con los materiales endurecidos y las fundiciones de hierro.

También hay que tener en cuenta que el diagrama de formación de la viruta se desplaza ligeramente hacia mayores profundidades de corte (hacia arriba) conforme aumenta la longitud del filo de corte (tamaño de la plaquita); y hacia mayores avances (hacia la derecha) conforme aumenta el radio.



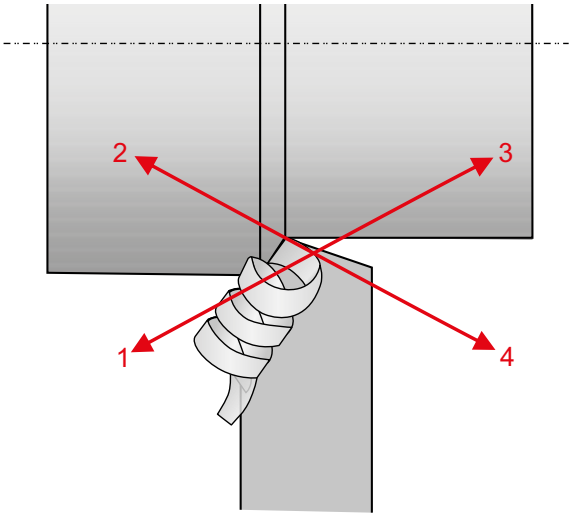


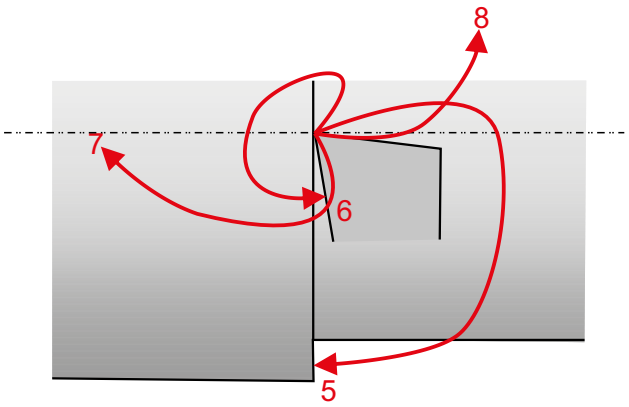
- Una plaquita con un diámetro de circunferencia inscrita IC = 19,050 [mm]
- Una plaquita con un diámetro de circunferencia inscrita IC = 15,875 [mm]
- Una plaquita con un diámetro de circunferencia inscrita IC = 12,700 [mm]
- Una plaquita con radio de punta RE = 1,6 [mm]
- Una plaquita con radio de punta RE = 1,2 [mm]
- Una plaquita con radio de punta RE = 0,8 [mm]

Además de la forma de la viruta, también es muy importante la dirección de evacuación. La siguiente imagen muestra las direcciones básicas de evacuación de viruta:

1. Desde la pieza en la dirección de avance.
2. Hacia la pieza en la dirección de avance.
3. Hacia la pieza en dirección contraria a la de avance.
4. Desde la pieza en dirección contraria a la de avance.
5. Rotura contra la superficie del área de corte.
6. Rotura contra el lateral de la herramienta.
7. Rotura contra la superficie que se está mecanizando.
8. Rotura contra la superficie mecanizada.

Naturalmente, no es conveniente utilizar direcciones que puedan causar daños o arañazos en la superficie mecanizada.





En la siguiente sección se especifican claramente todas las geometrías que le ofrecemos, divididas en grupos estructurados. Estas tablas deberían ayudarle a realizar una elección óptima y más precisa.

RESUMEN DE GEOMETRÍAS DE LAS PLAQUITAS DE TORNEADO

PLAQUITAS DE CORTE POSITIVAS Denominación de la fijación ISO S	🕮
371 (RCMT)	565
372 (RCMT)	565
...W	565
AL	565
DR4 (SCMT)	566
FF	566
FF2	566
FM	566
FM (RCMT)	567
FM2	567
NF1	567
NF2	567
OR (SCMT)	568
RF	568
RM	568
RM3	568
SF2	569
SF3	569
SI	569
SR (SCMT)	569
UR (RCMT)	570
UR	570
W-FM	570
W-UR	570
46	571
47	571
48	571
61	571
.PUN	572

PLAQUITAS DE CORTE POSITIVAS Denominación de la fijación ISO P, M, D	🕮
31 (RCMX)	573
321 (RCMX)	573
331 (RCMX)	573
361 (RCMX)	573
RF1 (RCMX)	574
RM1 (RCMX)	574
RM2 (RCM.)	574
RR2 (RCM.)	574

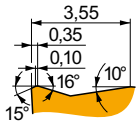
PLAQUITAS DE CORTE NEGATIVAS Denominación de la fijación ISO P, M, D	🕮
000 (LNUX)	575
002 (LNUX)	575
003 (LNUX)	575
08 (RNMG)	575
81 (RNMG)	576
432 (LNMX)	576
923	576
...A	576
DR	577
FF	577
FM	577
HR	577
HR2	578
KR	578
M	578
NF	578
NM	579
NMR	579
NR	579
NRM	579
NR2	580
OR	580
OR1	580
R	580
RM	581
SF	581
SI	581
SM	581
SR	582
W–MR	582
W–F	582
W–M	582
W-NM	583

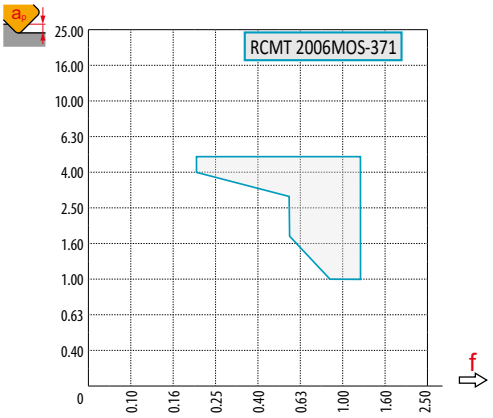
PLAQUITAS DE CORTE NEGATIVAS Denominación de la fijación ISO C	🕮
22	584
32	584
72	584
73	584
74	585

GEOMETRÍA DE PLAQUITAS DE CORTE DE RANURADO Denominación de la fijación ISO X y G	🕮
GM (GL.D)	586
MM (GL.D)	586
PM (GL. D)	586
PR (GL. D)	586
13 CM (LCMF)	587
13 F (LCM.)	587
13 MP (LCM.)	587
16 CM (LCM.)	587
16 F (LCM.)	588
16 M (LCM.)	588
16 MP (LCM.)	588
20 F1 (LCMF)	588
20 M2 (LCMF)	589
30 F (LCM.)	589
F1 (LFMX)	589
F2 (LFMX)	589
M2 (LFMX)	590
LFUX	590
TN. EXT	591
TN. INT	591
X61	591
X61 R	591

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO S

371 (RCMT)





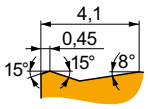
P	M	K	N	S	H
■		■			

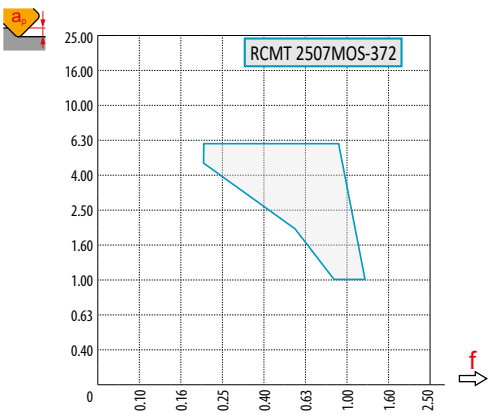
f ⇨ 0.20 – 1.20

a_p 1.0 – 5.0

RCMT

372 (RCMT)





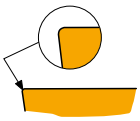
P	M	K	N	S	H
■		■			

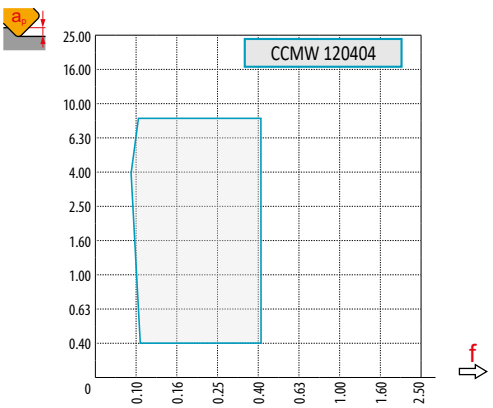
f ⇨ 0.20 – 1.20

a_p 1.0 – 6.0

RCMT

...W





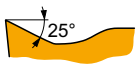
P	M	K	N	S	H
		■			◪

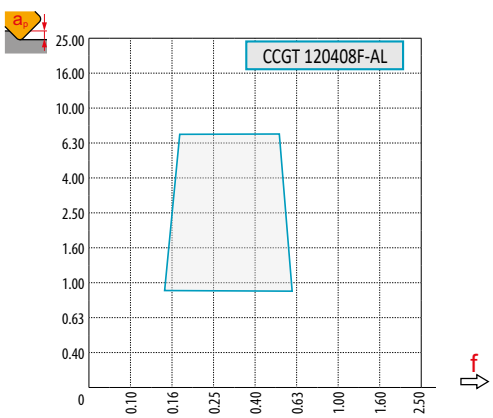
f ⇨ 0.05 – 0.60

a_p 0.4 – 8.4

CCMW, DCMW, SCMW, RCMW, TCMW, VCMW

AL





P	M	K	N	S	H
			■	◪	

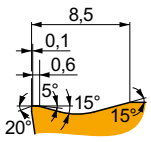
f ⇨ 0.05 – 0.60

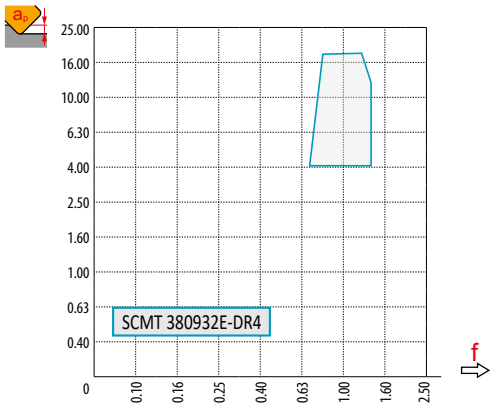
a_p 0.2 – 7.0

CCGT, DCGT, SCGT, RCGT, TCGT, VCGT, WCGT

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO S

DR4 (SCMT)





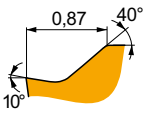
P	M	K	N	S	H
■	◪	■			

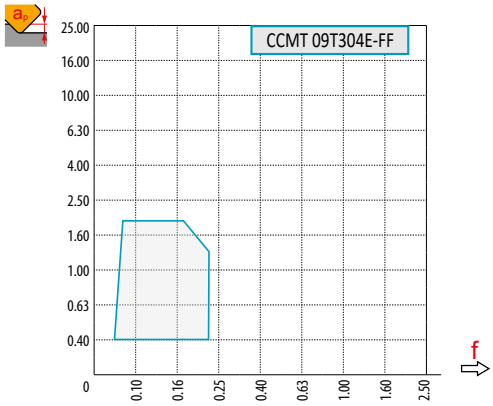
f ⇨ 0.70 – 1.40

a_p 4.0 – 18.0

SCMT

FF





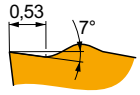
P	M	K	N	S	H
■	◪				

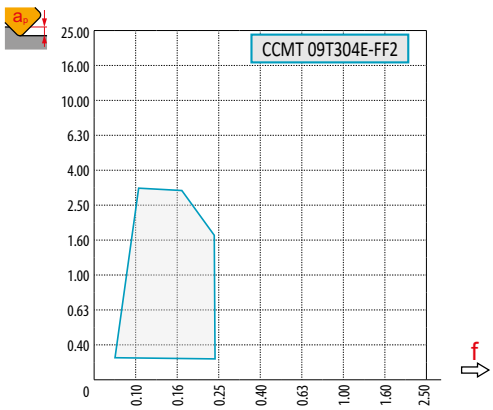
f ⇨ 0.05 – 0.23

a_p 0.2 – 2.0

CCMT, DCMT

FF2





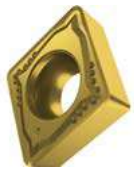
P	M	K	N	S	H
■		■			

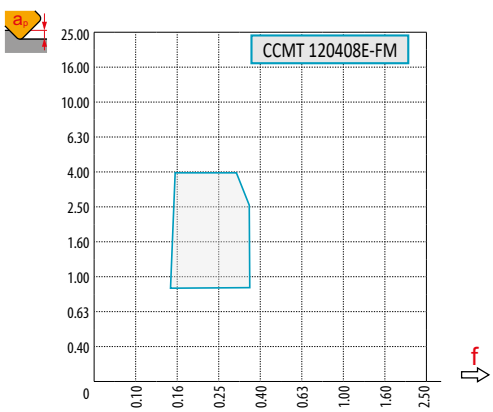
f ⇨ 0.02 – 0.28

a_p 0.20 – 3.0

CCMT, CCGT, DCGT, DCMT, SCMT, TCGT, TCMT, VBMT, VCGT, VCGX, WCGT

FM





P	M	K	N	S	H
■	■	◪	◪		

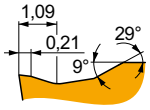
f ⇨ 0.05 – 0.45

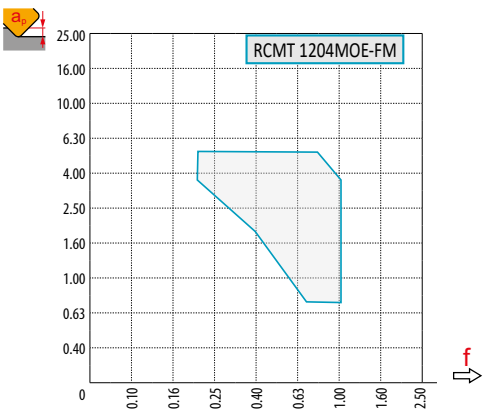
a_p 0.2 – 4.0

CCMT, DCMT, SCMT, TCMT, VBMT, WCMT

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO S

FM (RCMT)





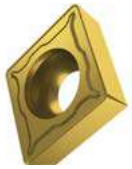
P	M	K	N	S	H
■	■	◪	◪		

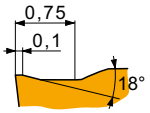
f ⇨ 0.10 – 1.0

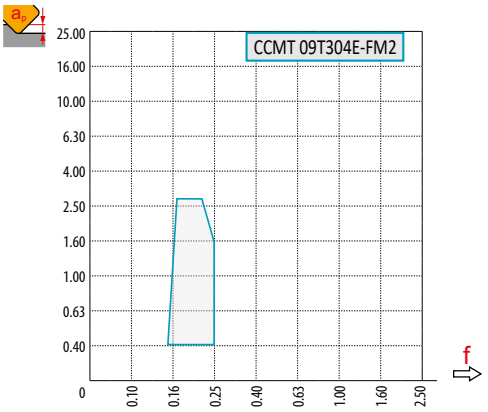
a_p 0.3 – 5.0

RCMT

FM2







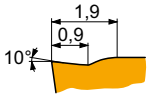
P	M	K	N	S	H
■	◪	■			

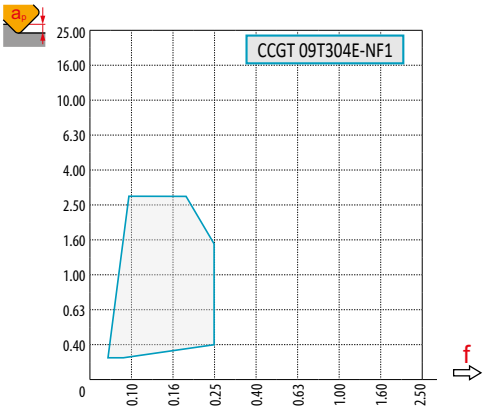
f ⇨ 0.04 – 0.4

a_p 0.2 – 4.0

CCMT, DCMT, ECMT, SCMT, TCMT, VBMT, VCGT

NF1





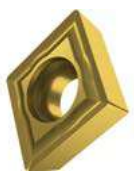
P	M	K	N	S	H
■	■		◪	■	◪

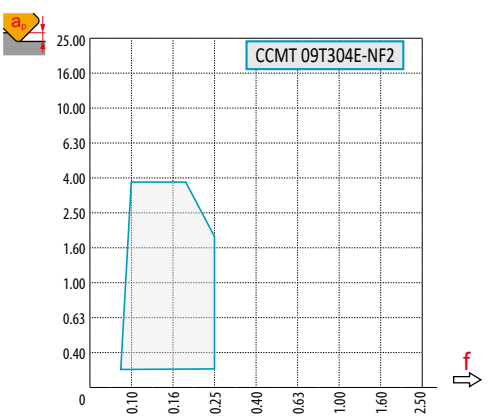
f ⇨ 0.04 – 0.35

a_p 0.3 – 3.5

CCGT, DCGT, SCGT, TCGT

NF2





P	M	K	N	S	H
◪	■	◪	◪	■	

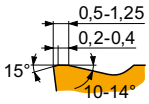
f ⇨ 0.05 – 0.45

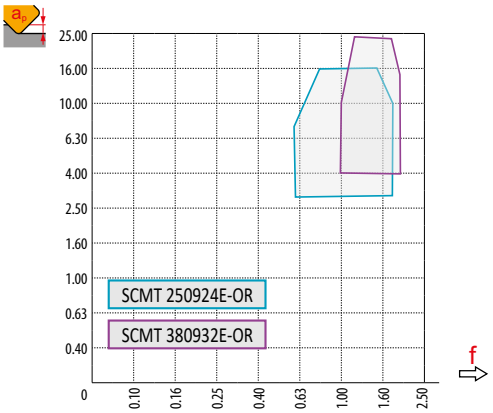
a_p 0.2 – 4.0

CCMT, EPMT, SCMT, TCMT, VCGT

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO S

OR (SCMT)





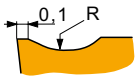
P	M	K	N	S	H
■	■	■		◪	

f ⇨ 0.60 – 2.00

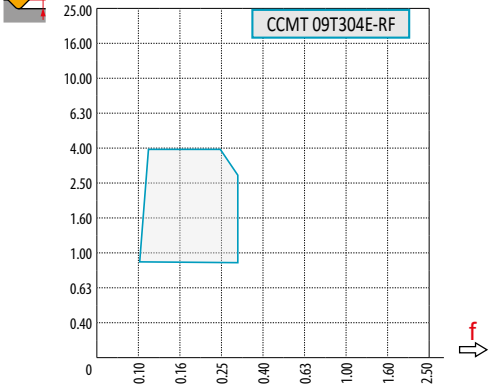
a_p 3.0 – 24.0

SCMT

RF



I.C.	R
6,35	1,0
9,525	1,5
12,7	2,5



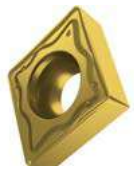
P	M	K	N	S	H
■	◪	■			◪

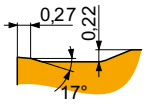
f ⇨ 0.10 – 0.60

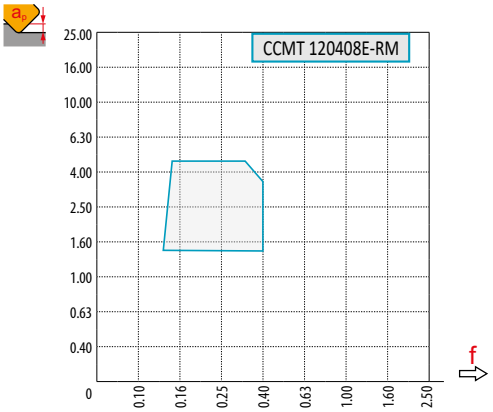
a_p 0.8 – 8.0

CCMT, DCMT, SCMT, TCMT, WCMT

RM







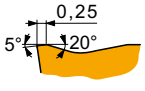
P	M	K	N	S	H
■	■	■		◪	◪

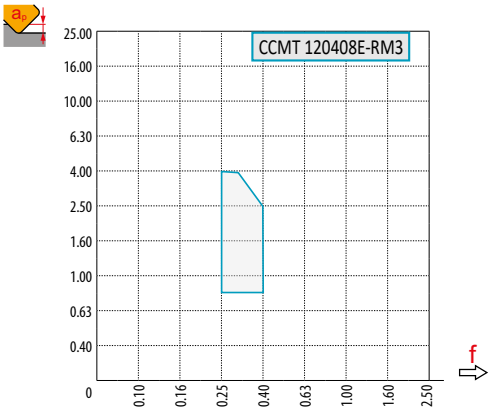
f ⇨ 0.10 – 0.50

a_p 0.8 – 4.5

CCMT, DCMT, SCMT, TCMT, VBMT

RM3





P	M	K	N	S	H
■	◪	■			◪

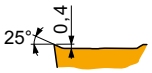
f ⇨ 0.15 – 0.90

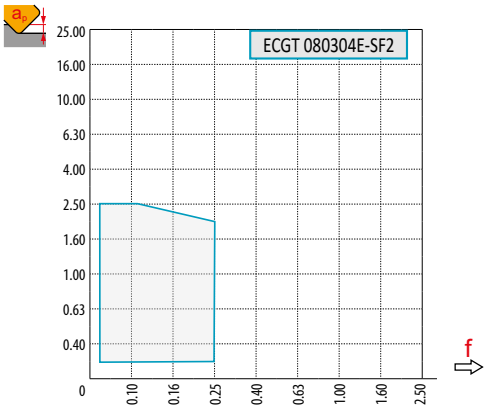
a_p 0.4 – 6.00

CCMT, SCMT, TCMT, RCMT

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO S

SF2





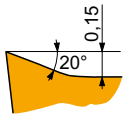
P	M	K	N	S	H
◪	■		◪	■	

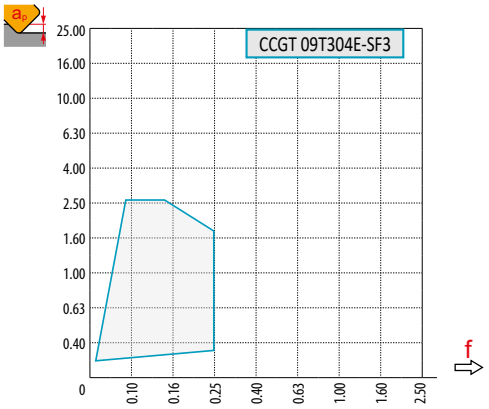
f ⇨ 0.02 – 0.28

a_p 0.1 – 2.5

ECGT, VCGT

SF3





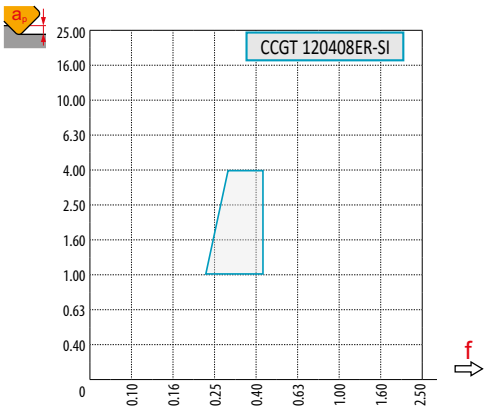
P	M	K	N	S	H
◪	■	◪	■	■	◪

f ⇨ 0.02 – 0.35

a_p 0.2 – 4.00

CCGT, DCGT, ECGT, SCGT, TCGT, VCGT

SI



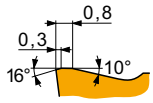
P	M	K	N	S	H
■	■	◪		■	

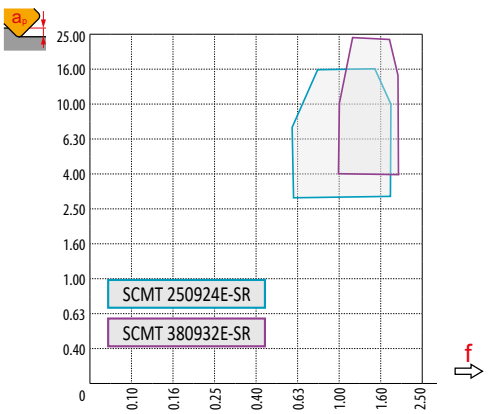
f ⇨ 0.08 – 0.45

a_p 0.4 – 4.0

CCGT, TCGT

SR (SCMT)





P	M	K	N	S	H
■	■	■			

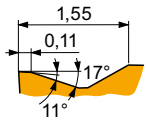
f ⇨ 0.60 – 2.0

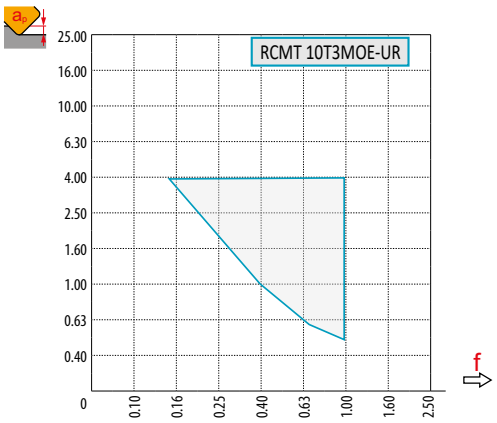
a_p 3.0 – 24.0

SCMT

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO S

UR (RCMT)

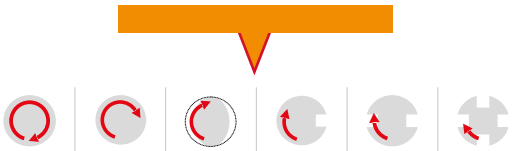




P	M	K	N	S	H
■	◪	■			

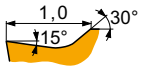
f ⇨ 0.15 – 1.00

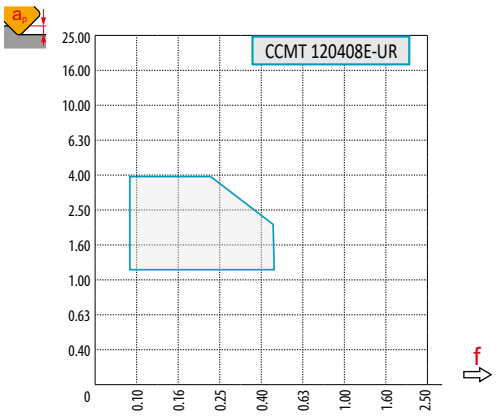
a_p 0.5 – 5.0



RCMT

UR

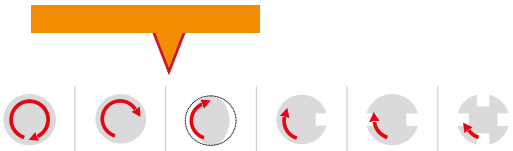




P	M	K	N	S	H
■	◪	■			

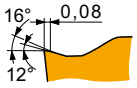
f ⇨ 0.10 – 0.40

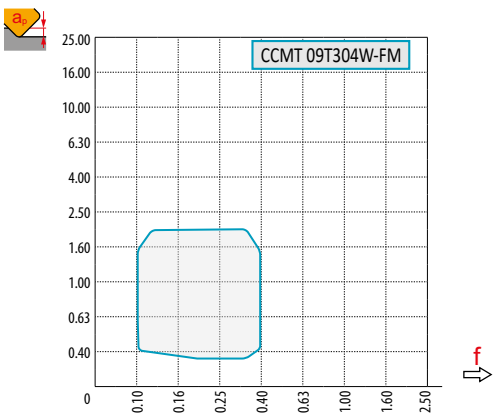
a_p 1.0 – 4.0



CCMT, DCMT, RCMT, SCMT, TCMT, VCMT, VBMT, WCMT

W-FM





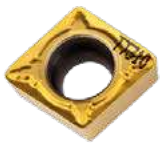
P	M	K	N	S	H
■	■	■			

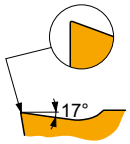
f ⇨ 0.1 – 0.4

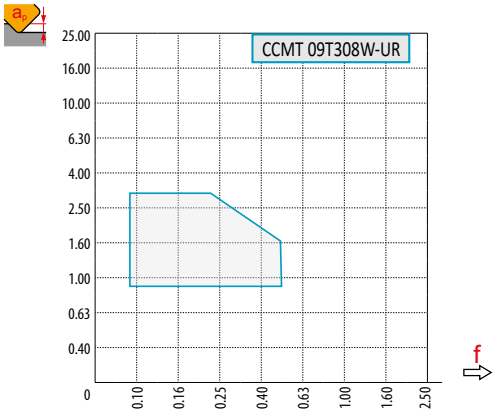
a_p 0.3 – 3.0

CCMT, DCMX

W-UR







P	M	K	N	S	H
■	◪	■			

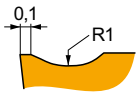
f ⇨ 0.08 – 0.5

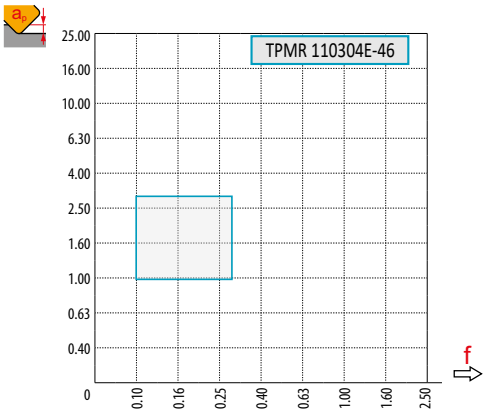
a_p 0.4 – 3.0

CCMT

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO C

46





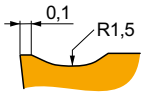
P	M	K	N	S	H
■	◪	■			

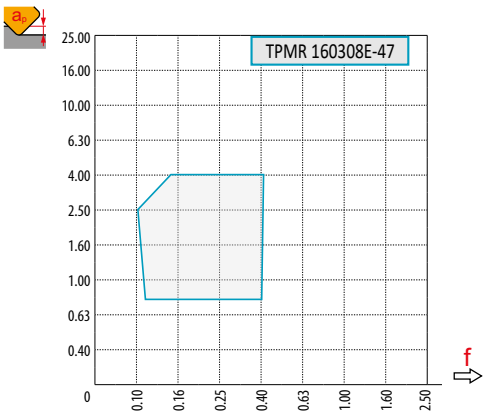
f ⇨ 0.10 – 0.30

a_p 1.0 – 3.0

SPMR, TPMR

47





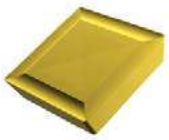
P	M	K	N	S	H
■	◪	■			

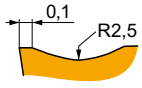
f ⇨ 0.10 – 0.40

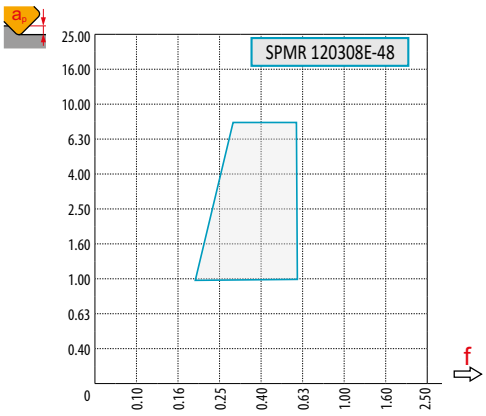
a_p 0.8 – 4.0

TPMR

48







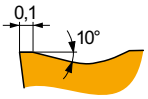
P	M	K	N	S	H
■	◪	■			

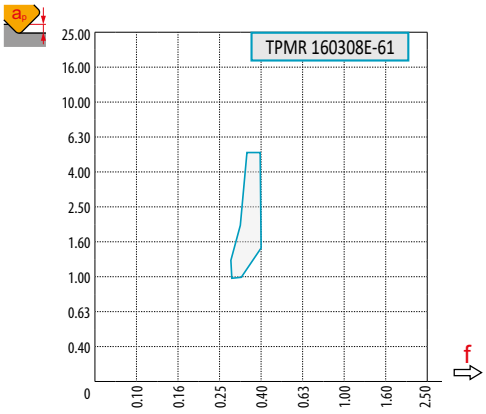
f ⇨ 0.20 – 0.60

a_p 1.0 – 8.0

SPMR

61





P	M	K	N	S	H
■	◪	■			

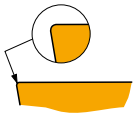
f ⇨ 0.30 – 0.40

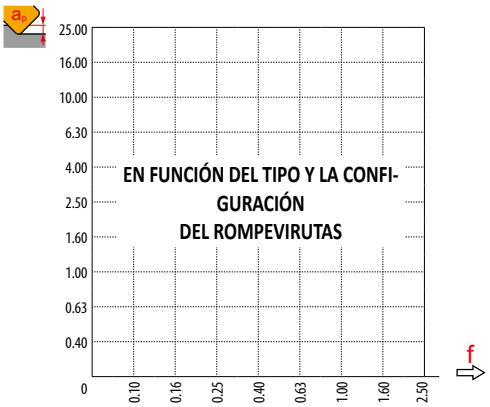
a_p 1.0 – 5.3

TPMR

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO C

.PUN



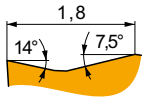


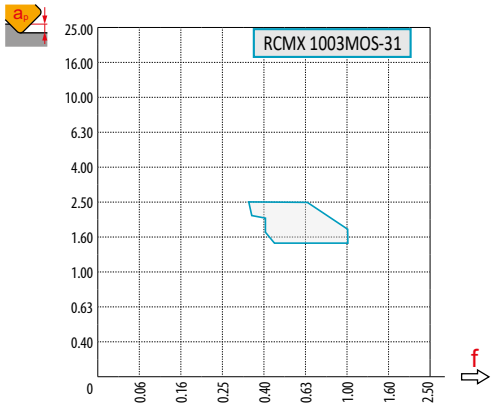
P	M	K	N	S	H
◪		■			◪

f ⇨	0.10 – 0.60
a_p	0.4 – 17.5

?	TPUN, SPUN

31 (RCMX)

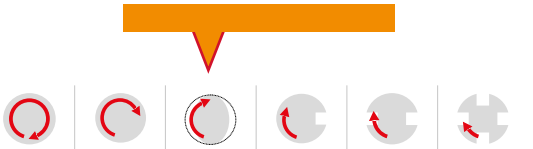




P	M	K	N	S	H
■	◪	■			

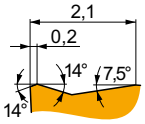
f ⇨ 0.40 – 1.00

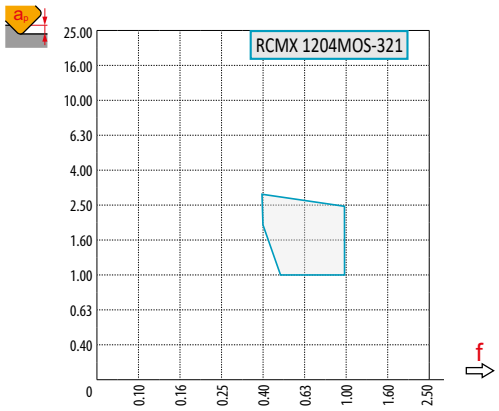
a_p 1.5 – 2.5



RCMX

321 (RCMX)





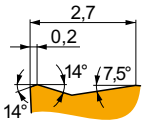
P	M	K	N	S	H
■		■			

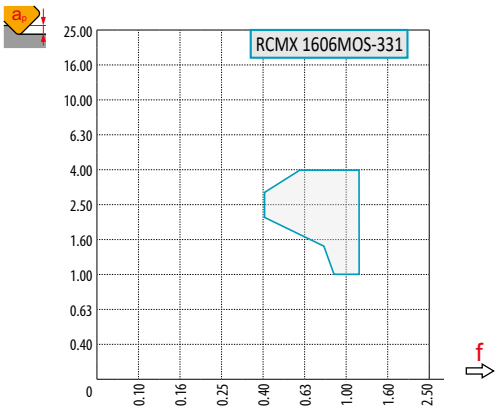
f ⇨ 0.40 – 1.00

a_p 1.0 – 3.0

RCMX

331 (RCMX)





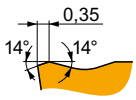
P	M	K	N	S	H
■		■			

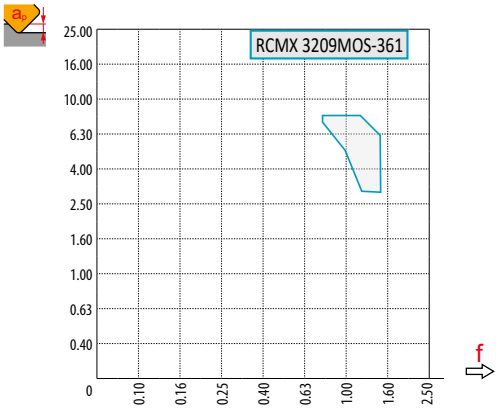
f ⇨ 0.40 – 1.20

a_p 1.0 – 4.0

RCMX

361 (RCMX)





P	M	K	N	S	H
■		■			

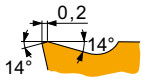
f ⇨ 0.80 – 1.50

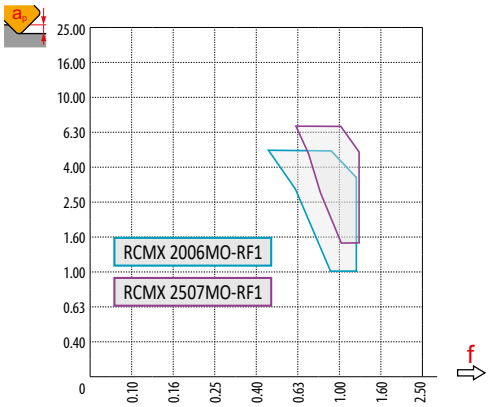
a_p 3.0 – 8.0

RCMX

GEOMETRÍA DE LAS PLAQUITAS DE CORTE POSITIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

RF1 (RCMX)





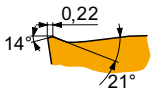
P	M	K	N	S	H
■		◪			

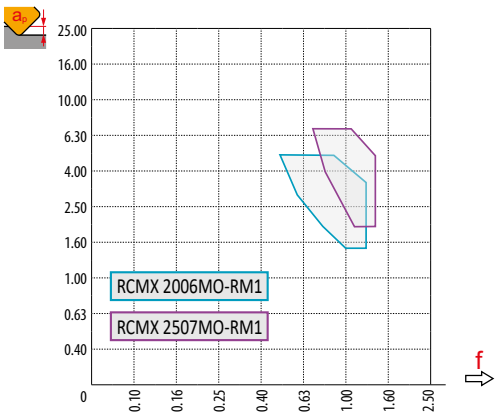
f ⇨ 0.45 (0.60) – 1.20 (1.25)

a_p 1.0 (1.5) – 5.0 (7.0)

RCMX 20, RCMX 25

RM1 (RCMX)





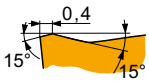
P	M	K	N	S	H
■		◪			

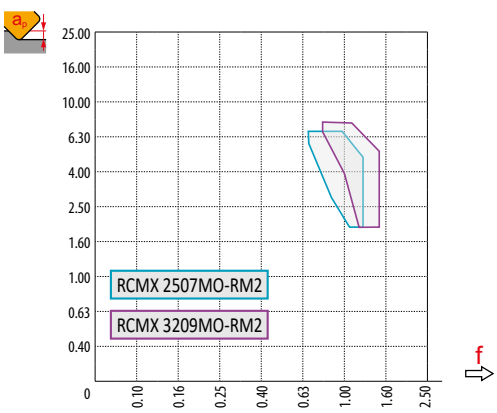
f ⇨ 0.50 (0.70) – 1.30 (1.40)

a_p 1.5 (2.0) – 5.0 (8.0)

RCMX 20, RCMX 25

RM2 (RCM.)





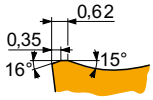
P	M	K	N	S	H
■		◪			

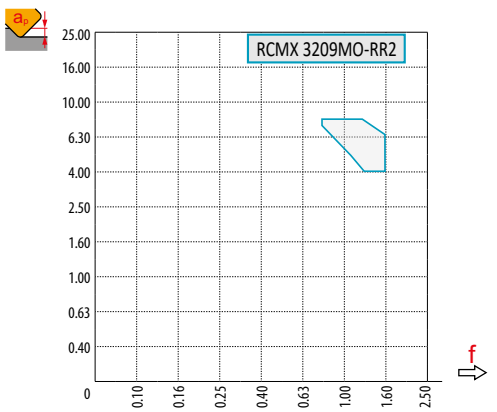
f ⇨ 0.70 (0.80) – 1.30 (1.50)

a_p 2.0 – 7.0 (8.0)

RCMX 25, RCMX 32

RR2 (RCM.)





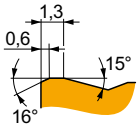
P	M	K	N	S	H
■		■			◪

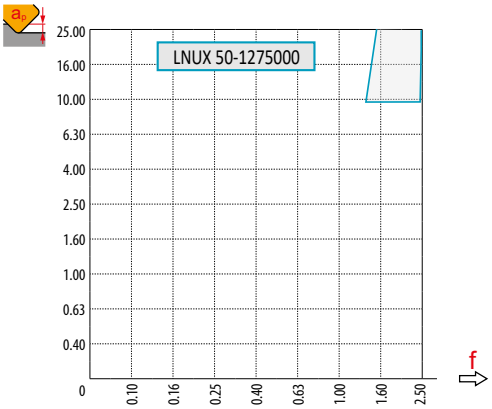
f ⇨ 0.80 – 1.60

a_p 4.0 – 8.0

RCMX 32

000 (LNUX)





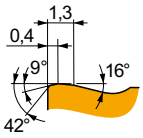
P	M	K	N	S	H
■		■			

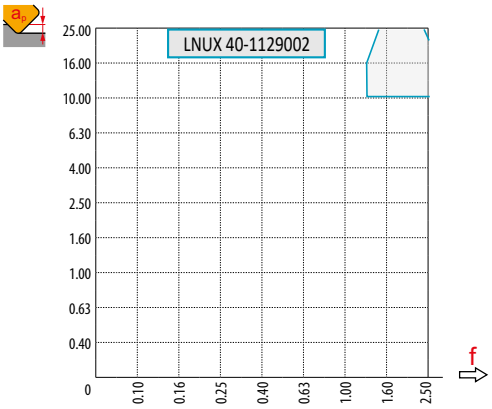
f ⇨ 1.20 – 2.50

a_p 10.0 – 36.0

LNUX 50

002 (LNUX)





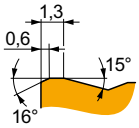
P	M	K	N	S	H
■		■			

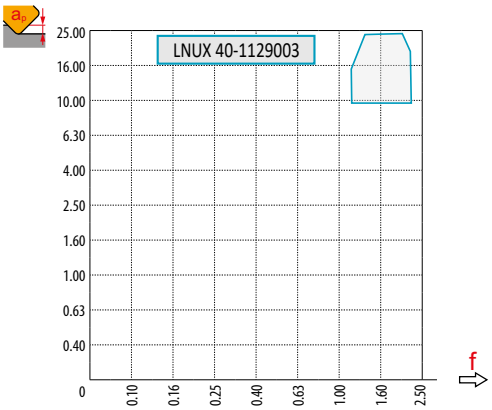
f ⇨ 1.30 – 2.60

a_p 10.0 – 27.0

LNUX 40

003 (LNUX)





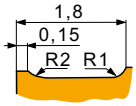
P	M	K	N	S	H
■		■			

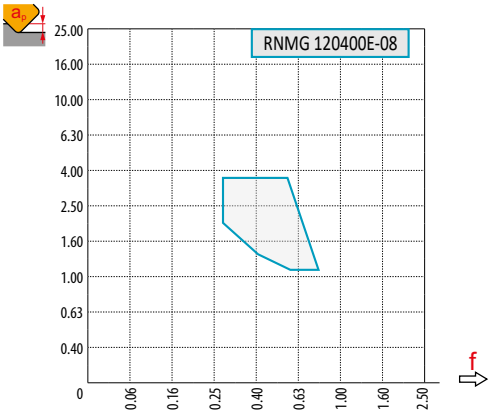
f ⇨ 1.20 – 2.50

a_p 10.0 – 27.0

LNUX 40

08 (RNMG)





P	M	K	N	S	H
◪		◪			◪

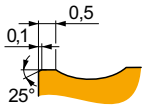
f ⇨ 0.30 – 0.80

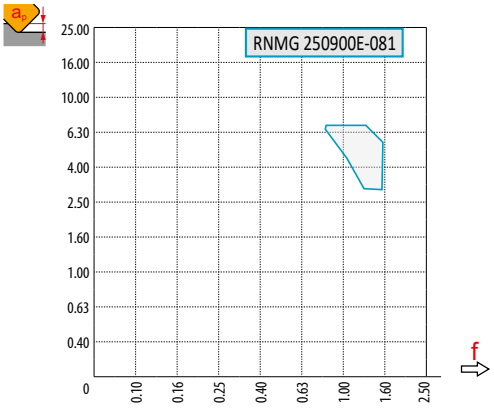
a_p 1.0 – 4.0

RNMG

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

81 (RNMG)



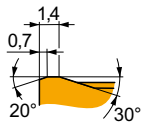


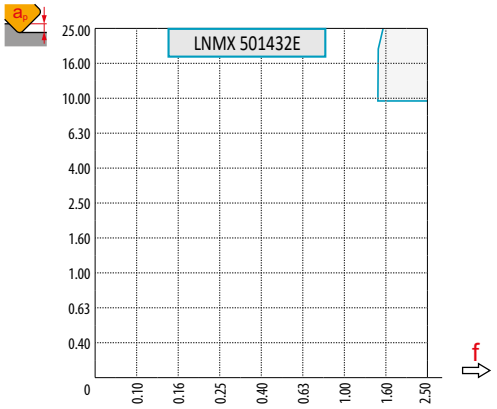
P	M	K	N	S	H
◪		◪			◪

f ⇨	0.80 – 1.20
a_p	3.0 – 7.0

RNMG

432 (LNMX)



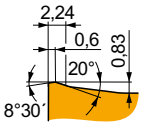


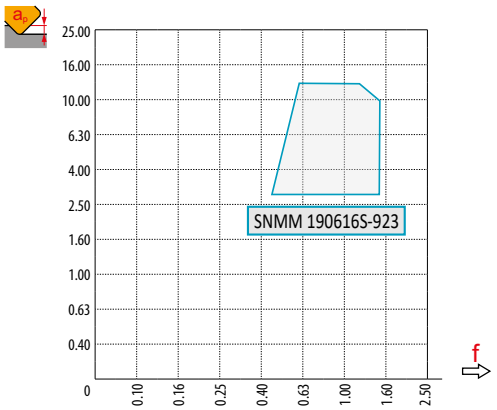
P	M	K	N	S	H
■		■			

f ⇨	1.50 – 2.60
a_p	10.0 – 35.0

LNMX 50

923



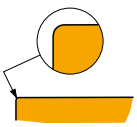


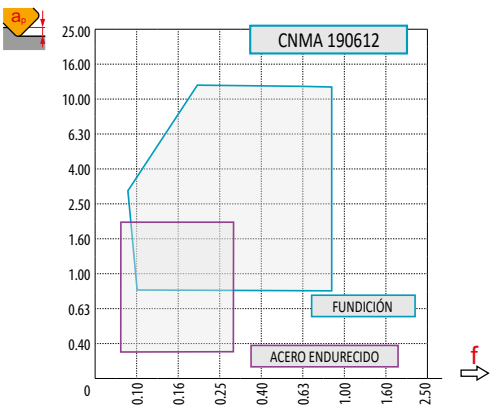
P	M	K	N	S	H
■	■	◪		◪	

f ⇨	0.45 – 1.50
a_p	3.0 – 16.0

CNMM, SNMM

...A





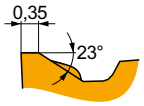
P	M	K	N	S	H
		■			◪

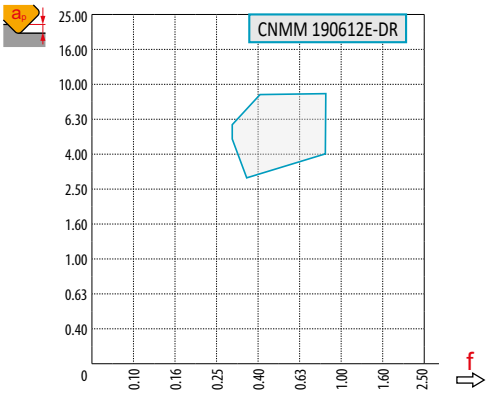
f ⇨	0.10 – 1.10
a_p	0.8 – 12.7

CNMA, DNMA, SNMA, TNMA, WNMA

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

DR





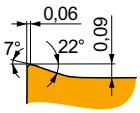
P	M	K	N	S	H
■	◪	◪			

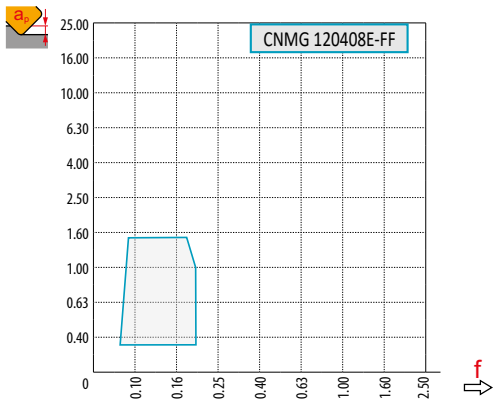
f ⇨ 0.30 – 0.85

a_p 2.5 – 9.0

CNMM, DNMM, SNMM, TNMM, WNMM

FF





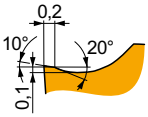
P	M	K	N	S	H
■	■	◪			

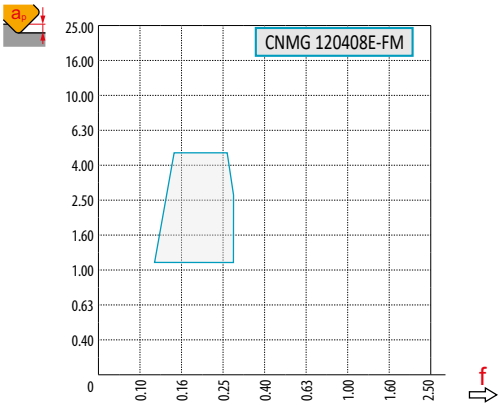
f ⇨ 0.06 – 0.25

a_p 0.2 – 1.6

CNMG, DNMG, TNMG, VNMG, WNMG

FM





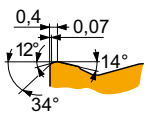
P	M	K	N	S	H
■	◪	■		◪	

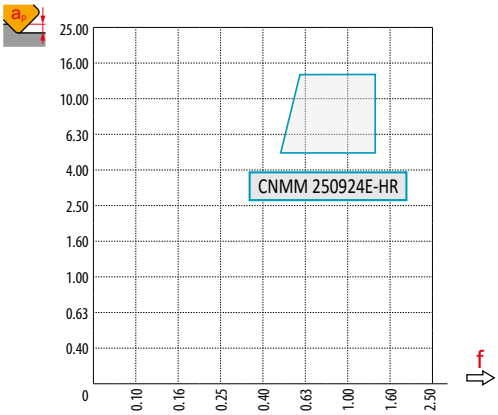
f ⇨ 0.1 – 0.5

a_p 0.4 – 5.0

CNMG, DNMG, SNMG, TNMG, VNMG, WNMG

HR





P	M	K	N	S	H
■	◪	■			

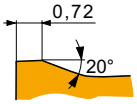
f ⇨ 0.50 – 1.40

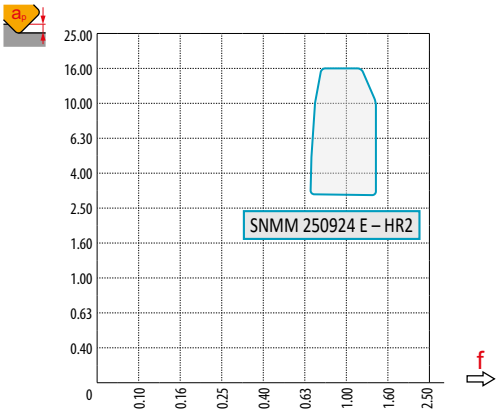
a_p 5.0 – 14.0

CNMM, SNMM, TNMM

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

HR2



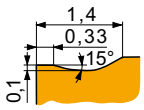


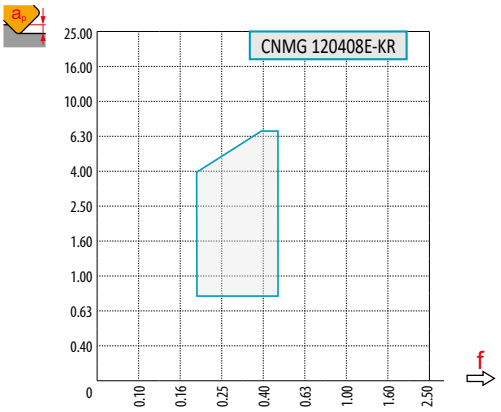
P	M	K	N	S	H
■	◪	■			

f ⇨	0.5 – 1.4
a_p	3.0 – 16.0

CNMM, SNMM

KR



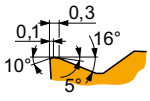


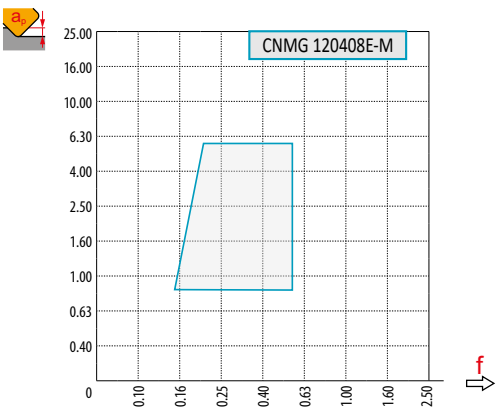
P	M	K	N	S	H
■		■			◪

f ⇨	0.2 – 0.7
a_p	0.4 – 7

CNMG, SNMG, TNMG, WNMG

M



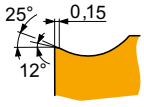


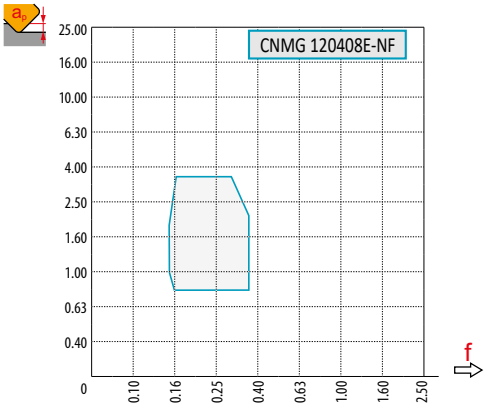
P	M	K	N	S	H
■		■			◪

f ⇨	0.17 – 0.80
a_p	0.8 – 8.0

CNMG, DNMG, SNMG, TNMG, VNMG, WNMG

NF



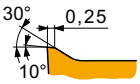


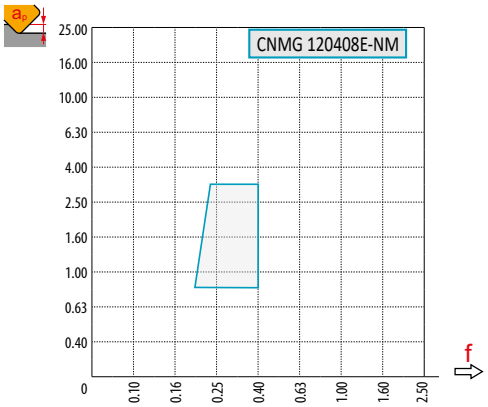
P	M	K	N	S	H
■	■	◪	◪	◪	

f ⇨	0.1 – 0.35
a_p	0.4 – 4.0

CNMG, DNMG, SNMG, TNMG, VNMG, WNMG

NM





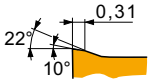
P	M	K	N	S	H
■	■		◪	■	

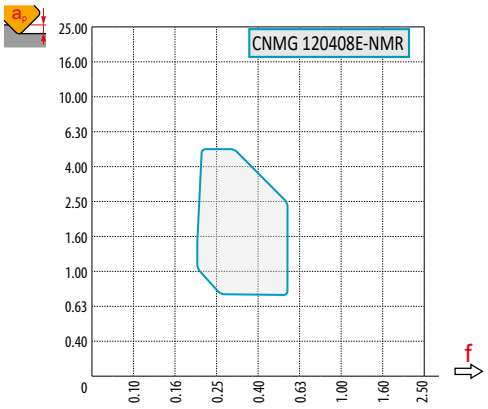
f ⇨ 0.15 – 0.55

a_p 0.5 – 8.0

CNMG, DNMG, TNMG, VNMG, WNMG

NMR





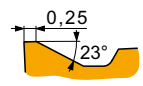
P	M	K	N	S	H
■	■			■	

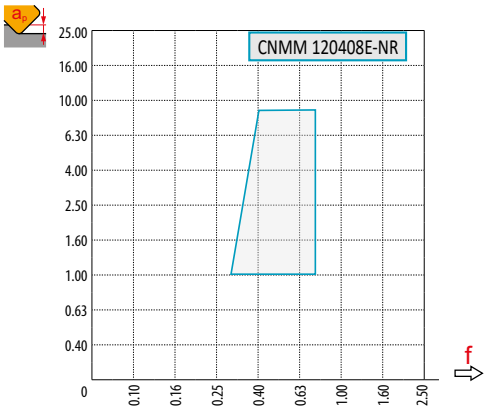
f ⇨ 0.18 – 0.70

a_p 0.4 – 8.0

CNMG, DNMG, SNMG, TNMG, VNMG, WNMG

NR





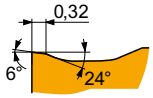
P	M	K	N	S	H
■	■	◪		◪	

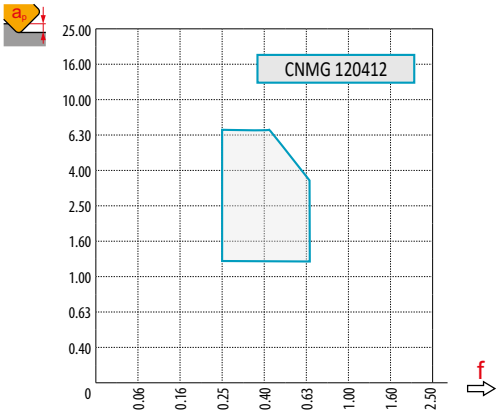
f ⇨ 0.25 – 0.80

a_p 1.0 – 9.0

CNMM, DNMM, SNMM, TNMM, WNMM

NRM





P	M	K	N	S	H
■	■			■	

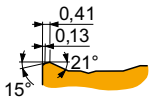
f ⇨ 0.23 – 1.0

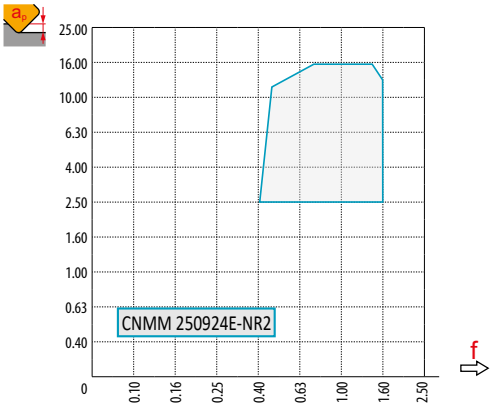
a_p 0.8 – 16.0

CNMG, CNMM, SNMG, SNMM

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

NR2

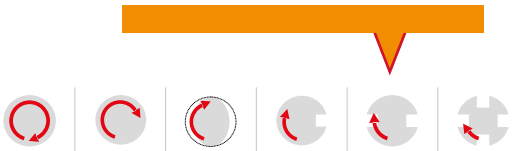




P	M	K	N	S	H
■	■	◪		◪	

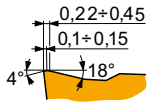
f ⇨ 0.2 – 1.6

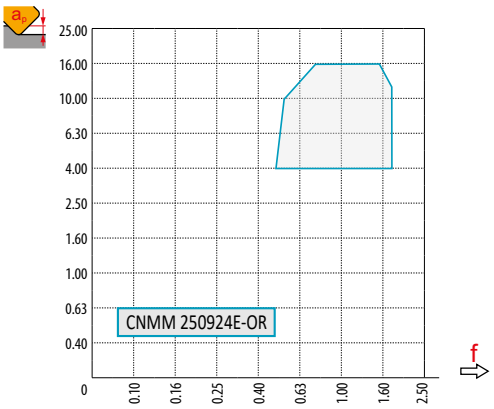
a_p 1.0 – 16.0



? CNMM, DNMM, SNMM, TNMM, WNMM

OR

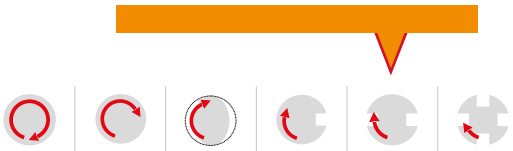




P	M	K	N	S	H
■	◪	■		◪	

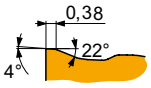
f ⇨ 0.25 – 1.70

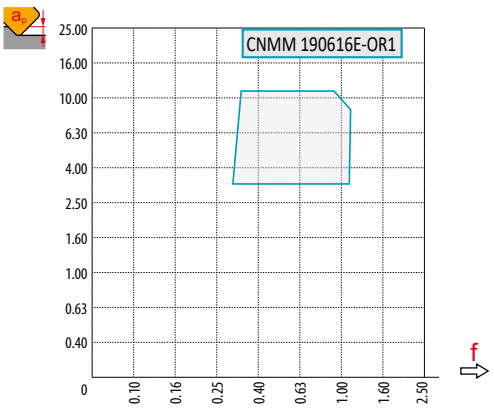
a_p 2.0 – 16.0



? CNMM, DNMM, SNMM, TNMM, WNMM, SCMT

OR1

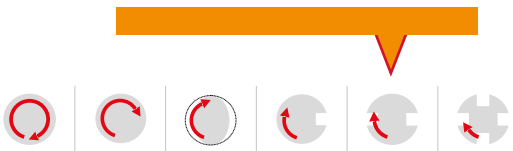


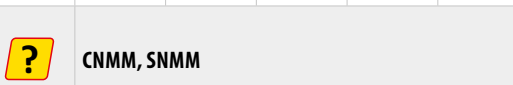


P	M	K	N	S	H
■	◪	◪		◪	

f ⇨ 0.3 – 1.0

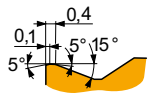
a_p 3.0 – 11.0

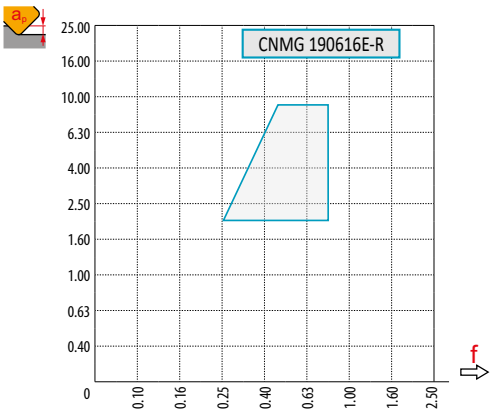




? CNMM, SNMM

R

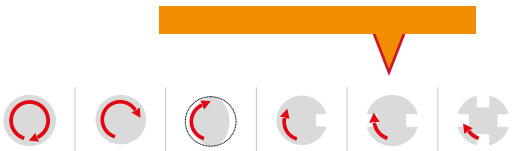




P	M	K	N	S	H
■		■			◪

f ⇨ 0.25 – 0.80

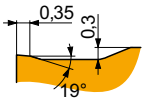
a_p 2.0 – 9.0

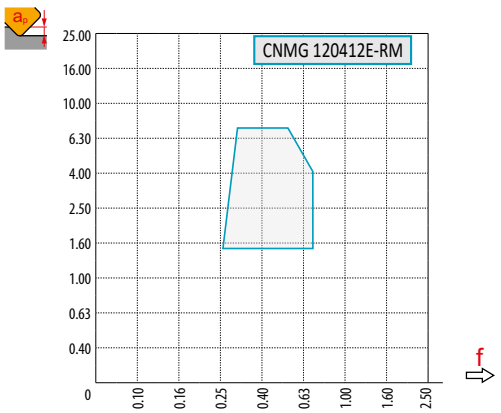


? CNMG, DNMG, SNMG, TNMG, WNMG

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

RM





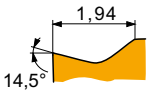
P	M	K	N	S	H
■	◪	◪			

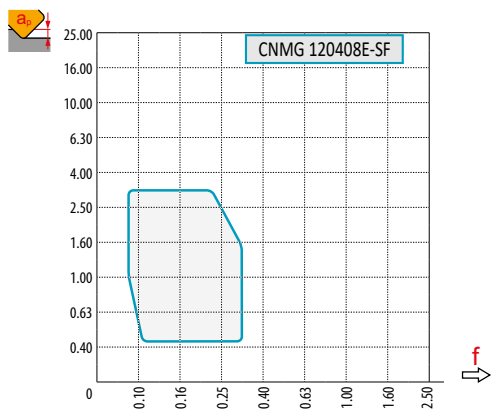
f ⇨ 0.20 – 1.20

a_p 1.0 – 15.0

CNMG. DNMG, SNMG, TNMG, WNMG

SF





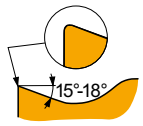
P	M	K	N	S	H
■	■	■	◪	■	■

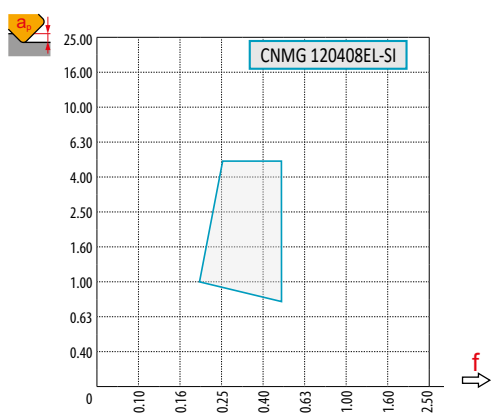
f ⇨ 0.08 – 0.35

a_p 0.2 – 3.5

CNGG, CNMG, DNMG,
SNMG, TNMG, VNMG, WNMG

SI





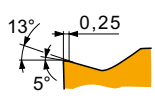
P	M	K	N	S	H
■	■		◪	◪	

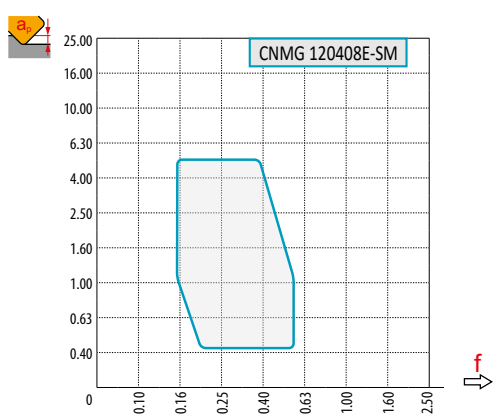
f ⇨ 0.20 – 0.50

a_p 0.4 – 5.0

CNMG, DNMG, TNMG, WNMG

SM





P	M	K	N	S	H
■	■	■	◪	■	◪

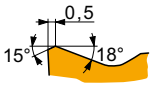
f ⇨ 0.15 – 0.55

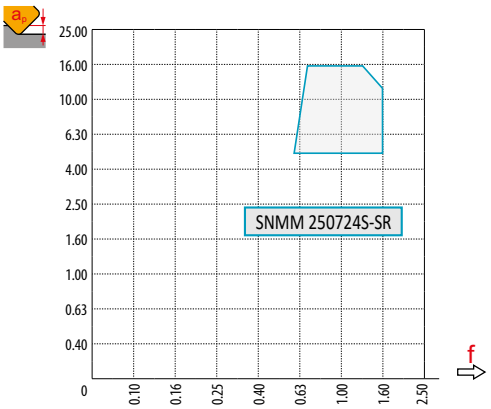
a_p 0.4 – 6.0

CNMG, DNMG, SNMG, TNMG, VNMG, WNMG

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

SR





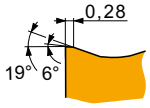
P	M	K	N	S	H
■	◪	■			

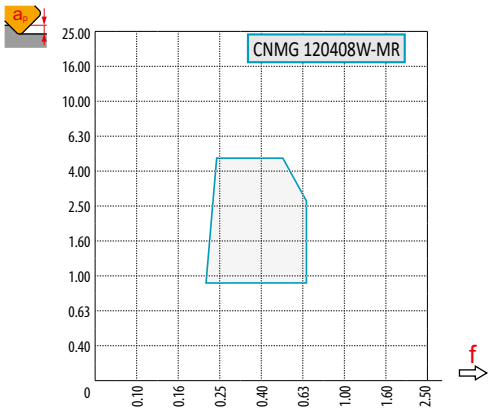
f ⇨ 0.70 – 1.60

a_p 5.0 – 16.0

SNMM, SNMX

W–MR

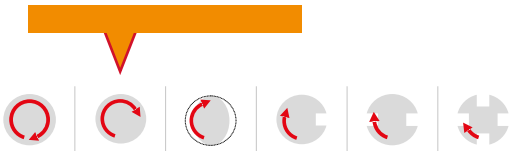




P	M	K	N	S	H
■	◪	◪			

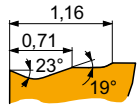
f ⇨ 0.2 – 0.75

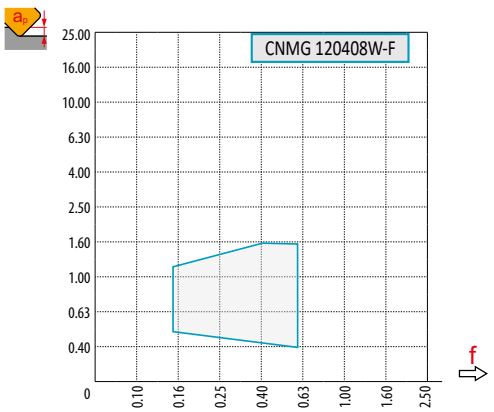
a_p 0.5 – 5.0



CNMG, WNMG, DNMG

W–F

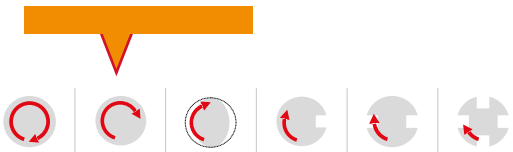




P	M	K	N	S	H
■		■			

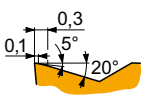
f ⇨ 0.10 – 0.60

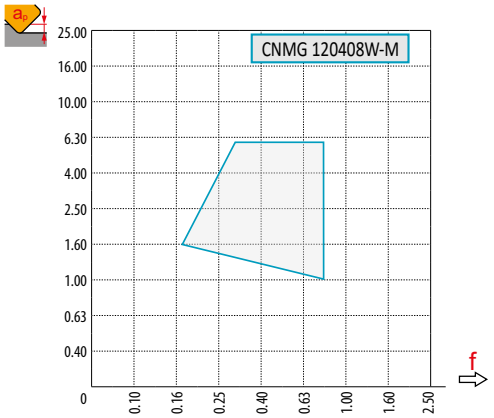
a_p 0.4 – 1.6



CNMG, WNMG

W–M

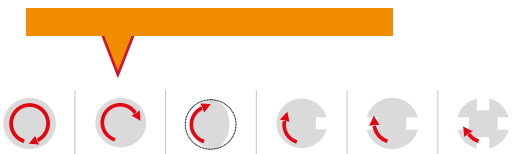




P	M	K	N	S	H
■		◪			

f ⇨ 0.15 – 1.00

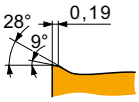
a_p 0.8 – 4.0

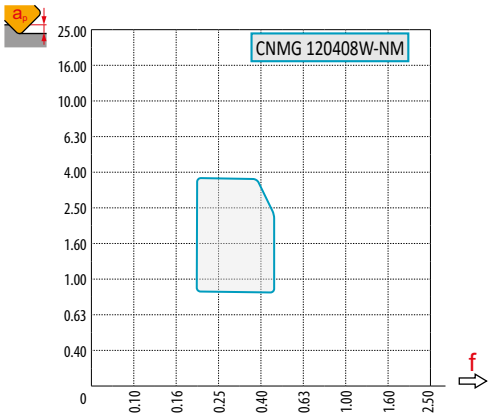


CNMG, WNMG

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO P, M, D

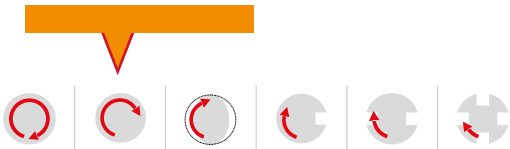
W-NM





P	M	K	N	S	H
■	◪	◪		◪	

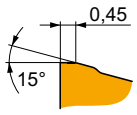
f	0.15 – 0.55
a_p	0.5 – 3.5

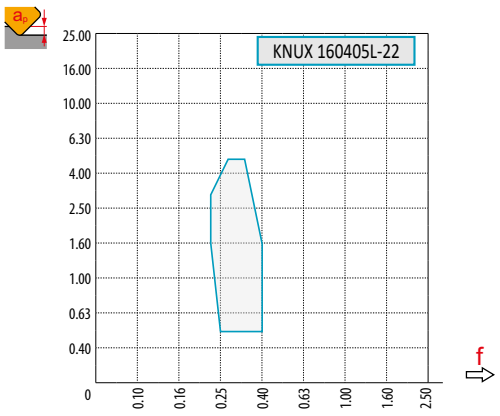


CNMG, DNMX, WNMG

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO C

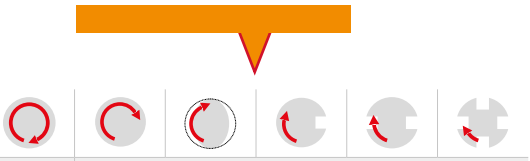
22





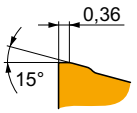
P	M	K	N	S	H
■	◪	◪			

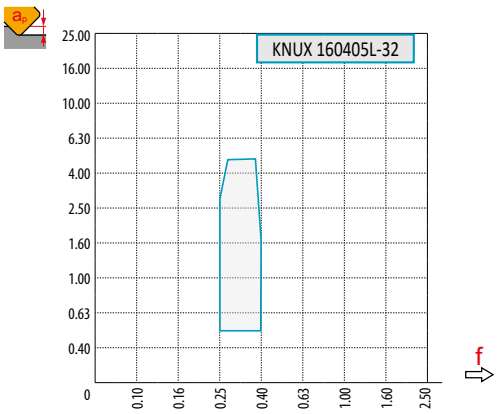
f	0.23 – 0.55
a_p	0.50 – 4.80



KNUX

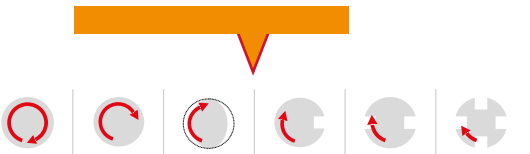
32





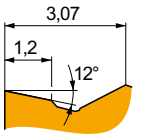
P	M	K	N	S	H
■	◪	◪			

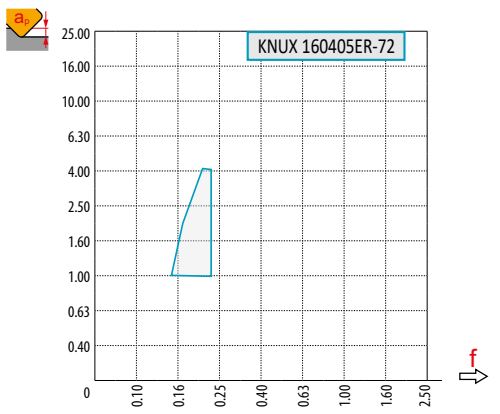
f	0.25 – 0.6
a_p	0.50 – 4.80



KNUX

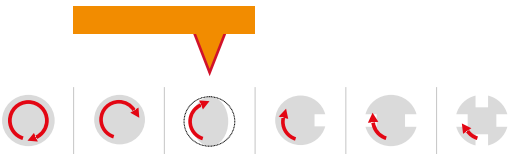
72





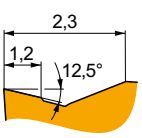
P	M	K	N	S	H
■	◪	■		◪	

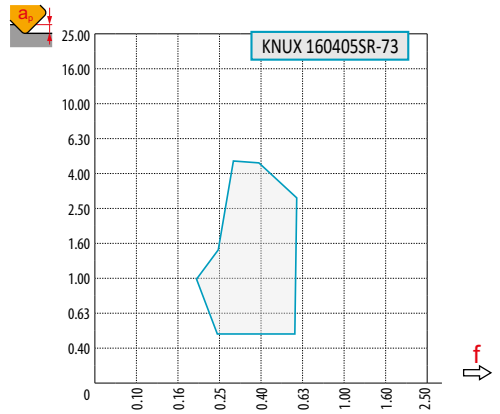
f	0.15 – 0.23
a_p	1.0 – 4.0



KNUX

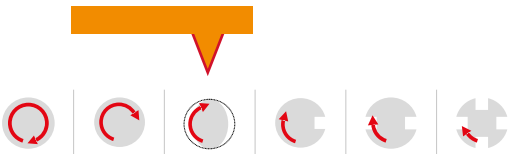
73





P	M	K	N	S	H
■	◪	■		◪	

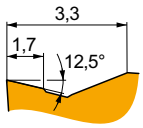
f	0.20 – 0.60
a_p	0.5 – 4.8

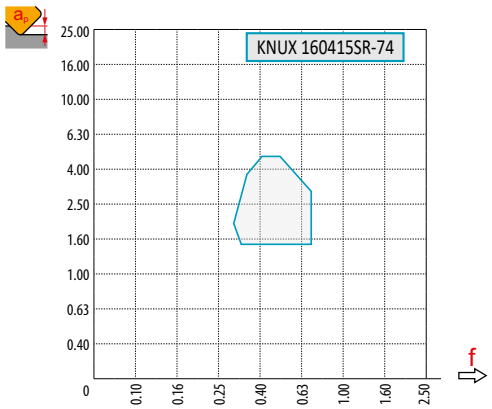


KNUX

GEOMETRÍA DE LAS PLAQUITAS DE CORTE NEGATIVAS: DENOMINACIÓN DE LA FIJACIÓN ISO C

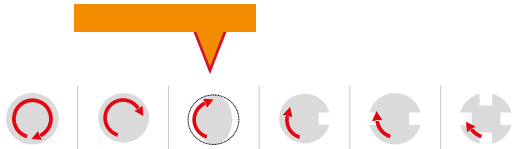
74





P	M	K	N	S	H
■	◪	■		◪	

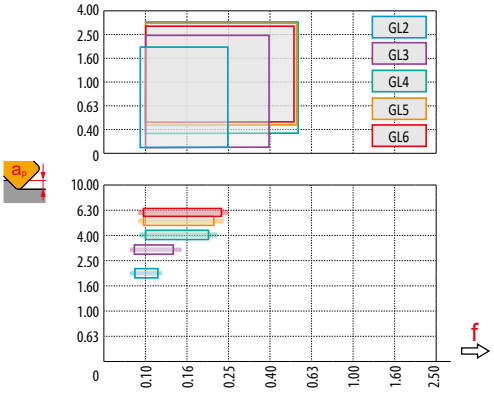
f	0.30 – 0.7
a_p	1.5 – 4.8



?	KNUX

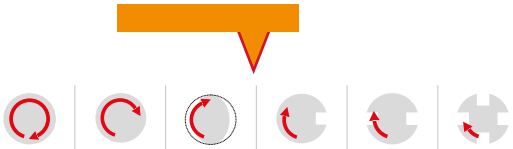
GEOMETRÍA DE LAS PLAQUITAS DE CORTE DE RANURADO: DENOMINACIÓN DE LA FIJACIÓN ISO X Y G

GM (GL.D) NEW



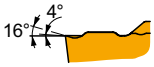
P	M	K	N	S	H
■	■	◪		◪	

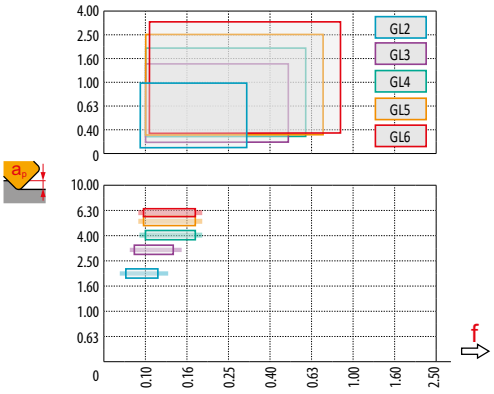
f, a_p: Véase el diagrama



GL. D

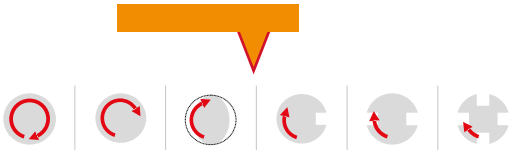
MM (GL.D) NEW





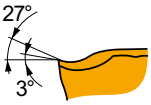
P	M	K	N	S	H
■	■	■		◪	

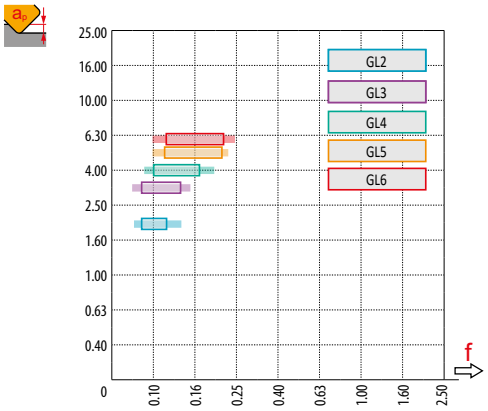
f, a_p: Véase el diagrama



GL. D

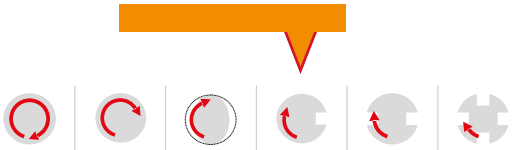
PM (GL. D) NEW





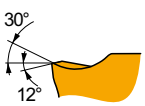
P	M	K	N	S	H
■	■	◪		◪	

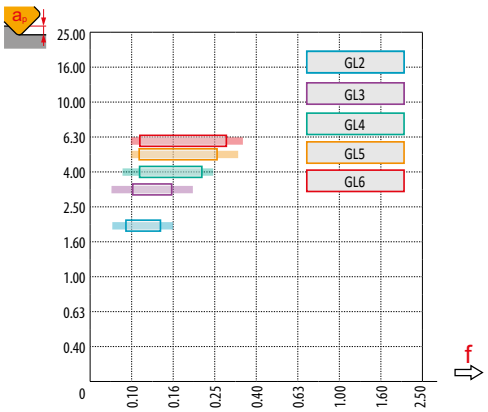
f, a_p: Véase el diagrama



GL. D

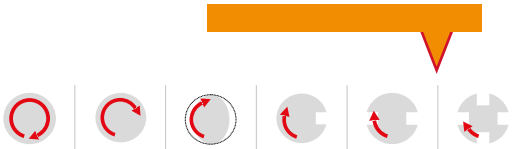
PR (GL. D) NEW





P	M	K	N	S	H
■	◪	■			

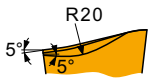
f, a_p: Véase el diagrama

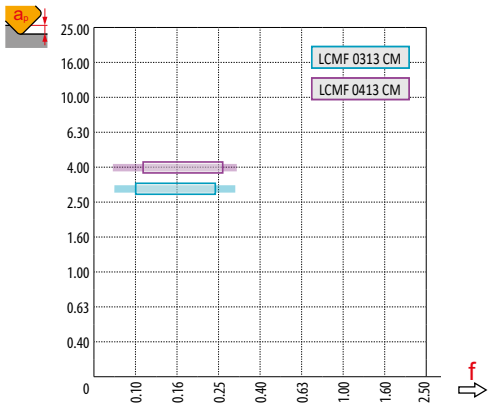


GL. D

GEOMETRÍA DE LAS PLAQUITAS DE CORTE DE RANURADO: DENOMINACIÓN DE LA FIJACIÓN ISO X Y G

13 CM (LCMF)



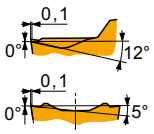


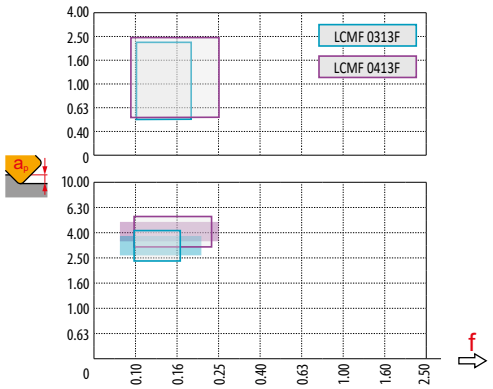
P	M	K	N	S	H
■		◪			

Véase el diagrama

LCMF 13 CM

13 F (LCM.)



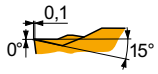


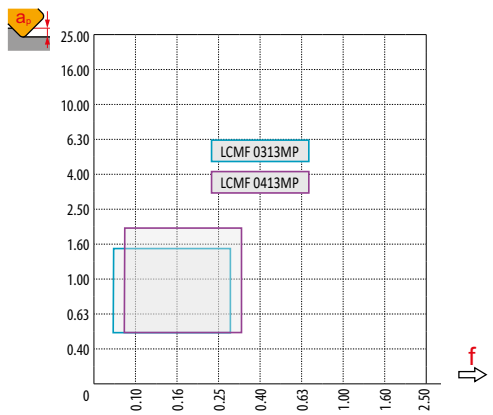
P	M	K	N	S	H
■		◪			

Véase el diagrama

LCMF 13 F, LCMR 13 F

13 MP (LCM.)



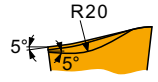


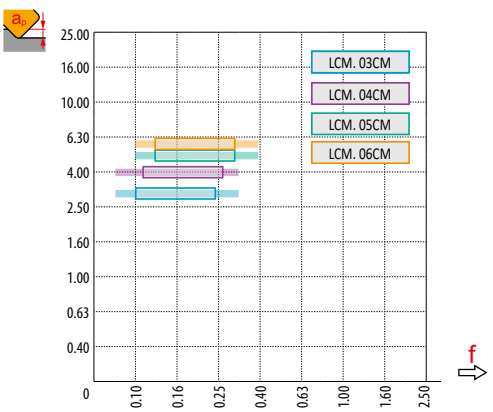
P	M	K	N	S	H
■		■			

Véase el diagrama

LCMF 13 MP, LCMR 13 MP

16 CM (LCM.)





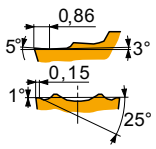
P	M	K	N	S	H
■		◪			

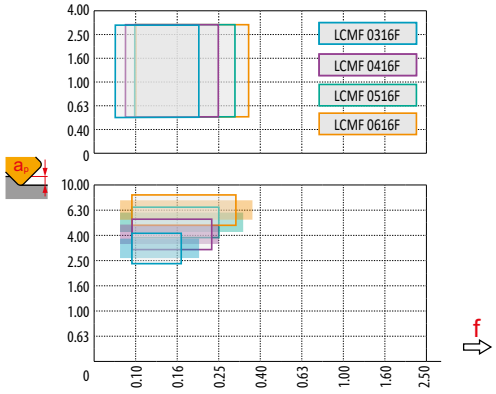
Véase el diagrama

LCMF 16 CM, LCMR 16 CM

GEOMETRÍA DE LAS PLAQUITAS DE CORTE DE RANURADO: DENOMINACIÓN DE LA FIJACIÓN ISO X Y G

16 F (LCM.)



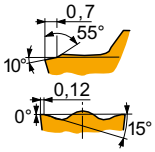


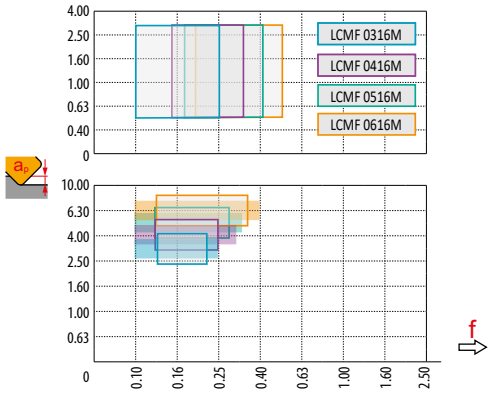
P	M	K	N	S	H
■		◪			

Véase el diagrama

LCMF 16 F, LCMR 16 F

16 M (LCM.)



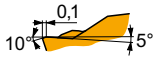


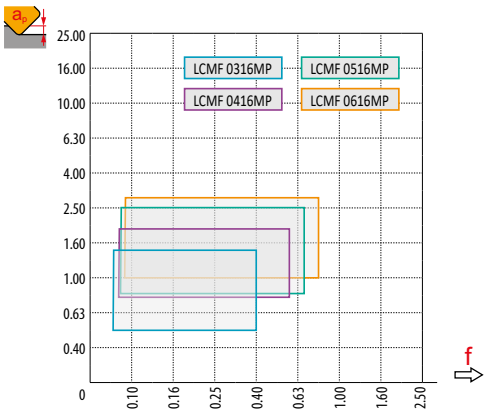
P	M	K	N	S	H
■	■	■			◪

Véase el diagrama

LCMF 16 M, LCMR 16 M

16 MP (LCM.)



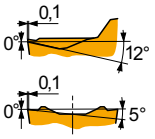


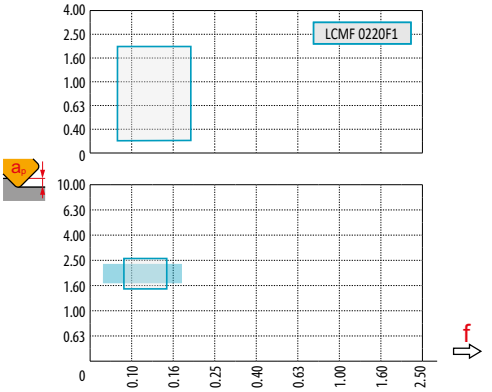
P	M	K	N	S	H
■		■			

Véase el diagrama

LCMF 16 MP, LCMR 16 MP

20 F1 (LCMF)





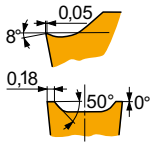
P	M	K	N	S	H
■	◪	◪			

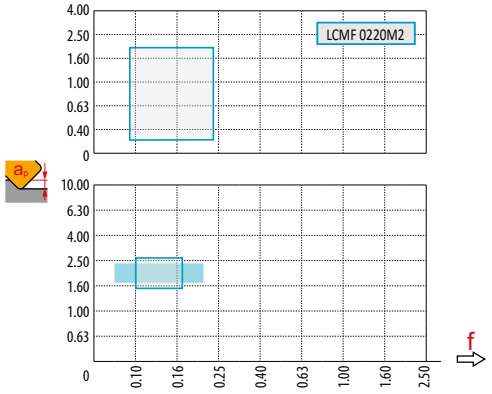
Véase el diagrama

LCMF

GEOMETRÍA DE LAS PLAQUITAS DE CORTE DE RANURADO: DENOMINACIÓN DE LA FIJACIÓN ISO X Y G

20 M2 (LCMF)

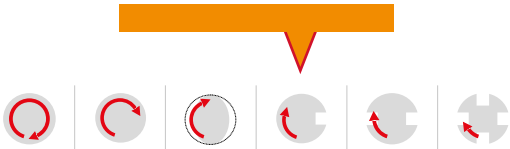




P	M	K	N	S	H
■	◪	◪			

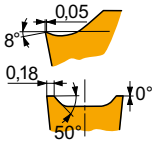
f ⇨ 0.09 – 0.23

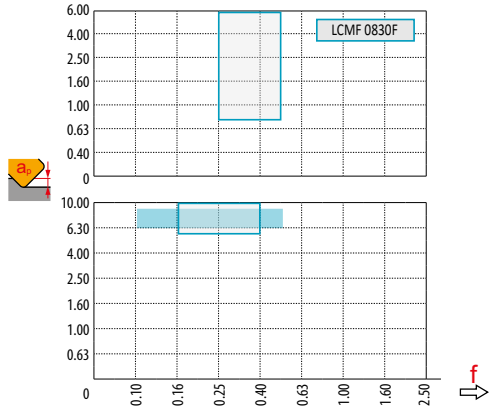
a_p 0.3 – 1.5



? **LCMF**

30 F (LCM.)

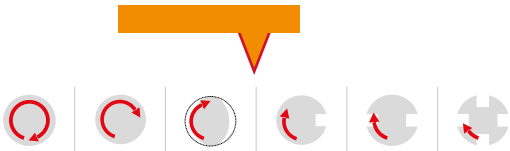




P	M	K	N	S	H
■		◪			

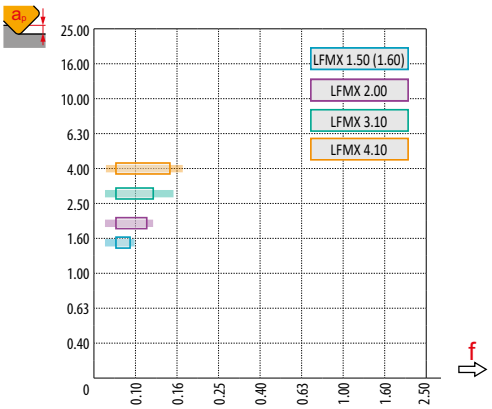
f ⇨ 0.1 – 0.5

a_p 0.8 – 6.0



? **LCMF 30 F, LCMR 30 F**

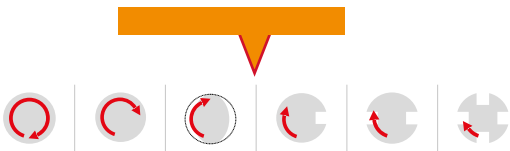
F1 (LFMX)



P	M	K	N	S	H
■	◪	■			

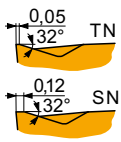
f ⇨ Véase el diagrama

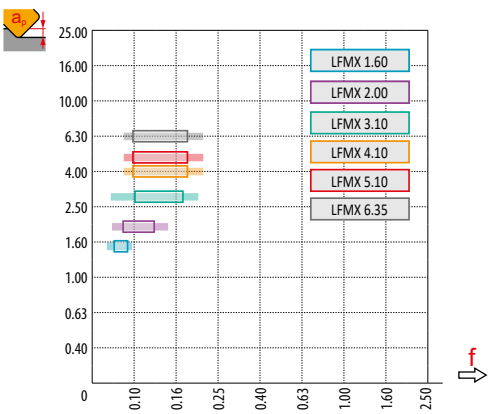
a_p



? **LFMX**

F2 (LFMX)

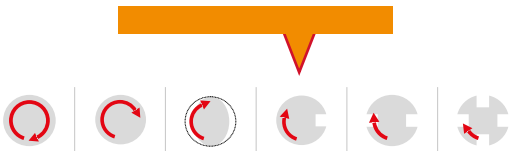




P	M	K	N	S	H
■	◪	■			

f ⇨ Véase el diagrama

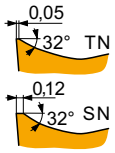
a_p

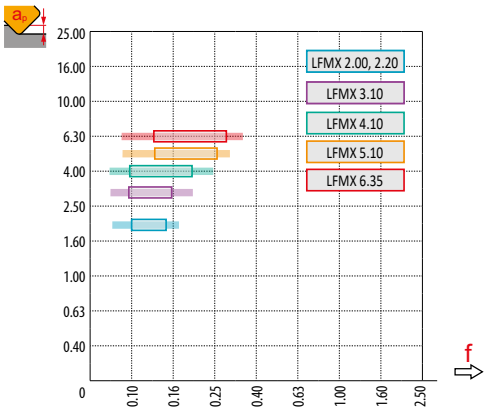


? **LFMX**

GEOMETRÍA DE LAS PLAQUITAS DE CORTE DE RANURADO: DENOMINACIÓN DE LA FIJACIÓN ISO X Y G

M2 (LFMX)

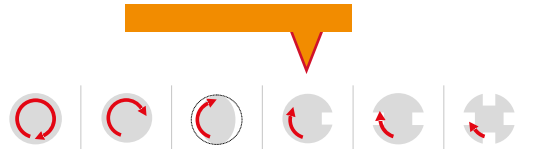




P	M	K	N	S	H
■	◪	◪			

f
a_p

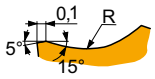
Véase el diagrama

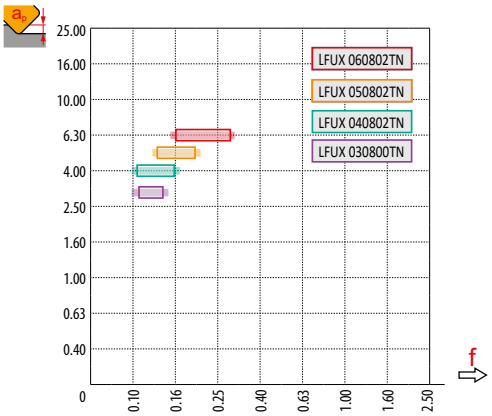


?

LFMX

LFUX

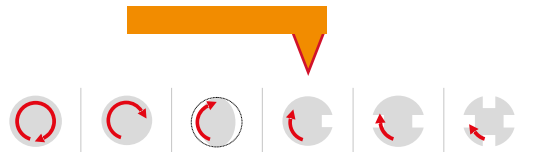




P	M	K	N	S	H
■		■			

f
a_p

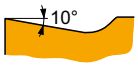
Véase el diagrama

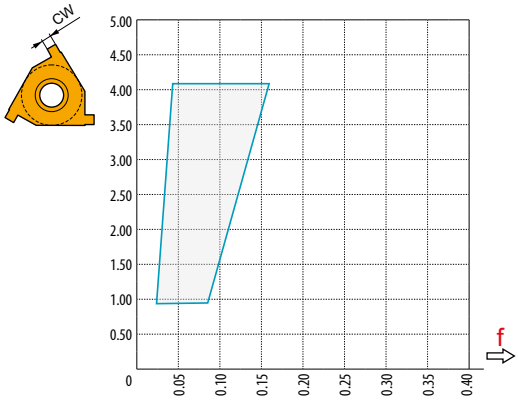


?

LFUX

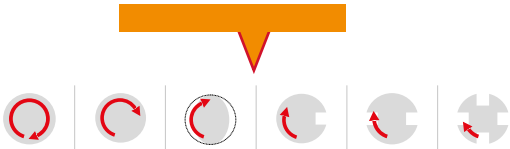
TN. EXT





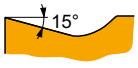
P	M	K	N	S	H
■	◪	◪			

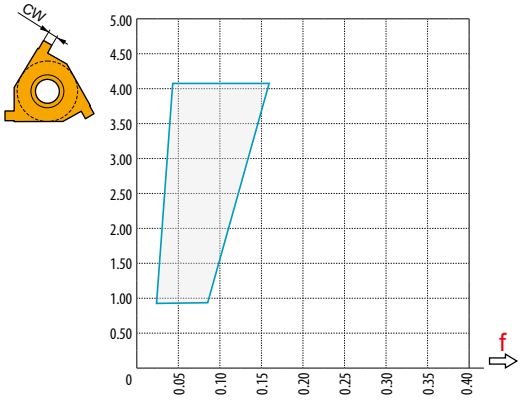
f ⇨ CW — Véase el diagrama



? TN R EXT; TN ZZ EXT

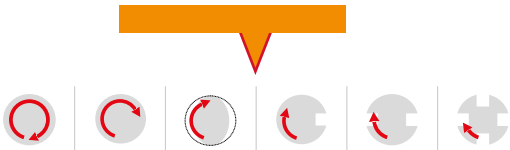
TN. INT





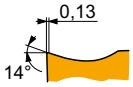
P	M	K	N	S	H
■	◪	◪			

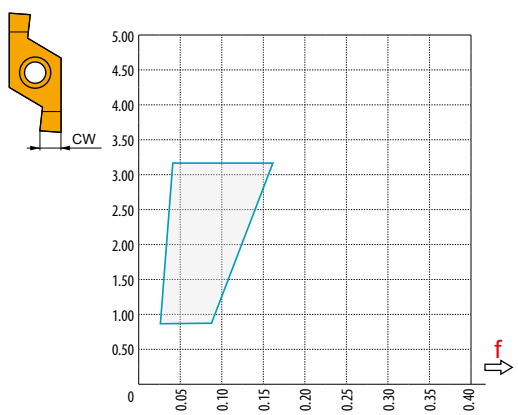
f ⇨ CW — Véase el diagrama



? TN R INT; TN ZZ INT

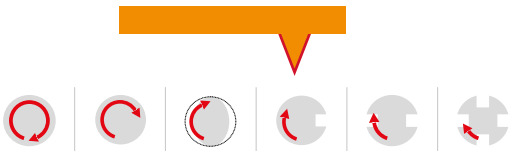
X61 NEW





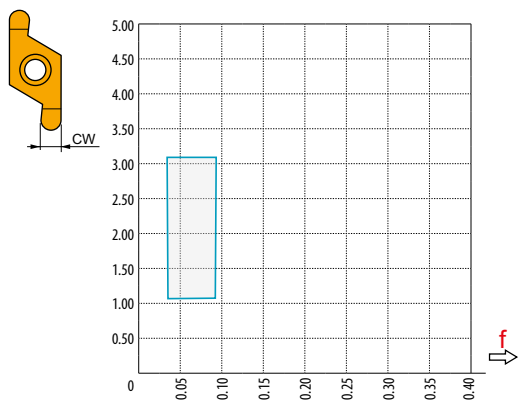
P	M	K	N	S	H
■	◪	◪			

f ⇨ CW — Véase el diagrama



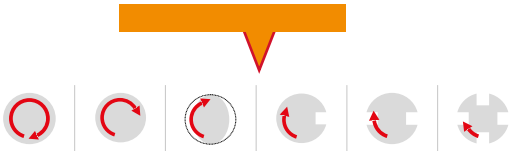
? X61; X61-1

X61 R NEW



P	M	K	N	S	H
■	◪	◪			

f ⇨ CW — Véase el diagrama



? X61 R; X61 R-1

T	9	3	1	5
Operación	Recubrimiento/Sustrato	Generación	Gama ISO	

D	Taladrado
M	Fresado
T	Torneado
G	Tronzado y Ranurado

0 PVD 1 CVD	Aplicación especial
2 PVD 3 CVD	Libre
4 PVD 5 CVD	Grupos K, H
6 PVD 7 CVD	Grupos M, S
8 PVD 9 CVD	Universal
B	CBN
C	Cerámica
D	PCD
T	Cermet

1 – 9

01 – 50	
	01 – 05
	05 – 10
	10 – 20
	20 – 30
	30 – 40
	40 – 50

Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
T9226	P15 - P35 M10 - M30 K15 - K35 S15 - S25	■ ■ ◪ □				MT-CVD		FGM	+ + +	Calidad diseñada para aplicaciones de desbaste pesadas. Una calidad versatil con gran resistencia a los daños mecanicos y que conserva una muy buena resistencia al desgaste. Recomendada para velocidades de corte bajas.
T9310	P01 - P15 K05 - K20 H10 - H20	■ ◪ ◪				MT-CVD		FGM	+ +	Calidad con alta resistencia a la abrasión que se puede utilizar para cortes ligeramente interrumpidos. Se utiliza para operaciones de acabado o semidesbaste. Este material es apto también para tareas de desbaste, siempre que la configuración máquina-pieza-herramienta sea lo suficientemente rígida.
T9315	P05 - P25 K05 - K25 H10 - H20	■ ◪ ◪				MT-CVD		FGM	+ +	Una calidad versátil con una excelente resistencia al desgaste, incluso con condiciones de corte intensivas. También se puede utilizar para operaciones con cortes interrumpidos. Gracias a sus propiedades bien equilibradas, esta calidad constituye la mejor opción para una amplia variedad de operaciones de torneado. No se recomienda para velocidades de corte bajas.
T9316	P10 - P20 M05 - M15 K10 - K30 H15 - H25	■ ◪ ■ ◪				MT-CVD		FGM	+ + +	Calidad diseñada para aplicaciones ferroviarias. Una calidad versátil con una excelente resistencia al desgaste. Recomendada para velocidades de corte bajas y altas.
T9325	P15 - P35 M10 - M30 K15 - K35 S10 - S20	■ ■ ◪ ◪				MT-CVD		FGM	+ +	Desde el punto de vista tecnológico, se trata de una calidad extremadamente versátil con una elevada resistencia a los daños mecánicos en condiciones de corte adversas y ofrece una excelente resistencia al desgaste. El uso correcto de este material requiere altas velocidades de corte.
T9335	P20 - P45 M15 - M40 S15 - S25	■ ■ ◪				MT-CVD		FGM	+ + +	Una de las calidades más resistentes, especialmente adecuada para condiciones de corte adversas a velocidades de avance elevadas y velocidades de corte medias. En comparación con sus predecesores, M15-M40 no solo es más resistente, sino que también es más estable a la abrasión, lo que será útil cuando se utilice en condiciones de corte intensivas.
T7325	P15 - P35 M10 - M25 S10 - S25	◪ ■ ■				MT-CVD		FGM	+ + +	Una de las calidades de torneado más universales. Es especialmente adecuada para el mecanizado de acero inoxidable. Presenta un equilibrio óptimo entre resistencia al desgaste y fiabilidad de funcionamiento. Adecuada para una amplia variedad de aplicaciones en operaciones de torneado.
T7335	P20 - P40 M20 - M40 S15 - S25	◪ ■ ■				MT-CVD		FGM	+ + +	Calidad con gradiente funcional que se caracteriza por una fiabilidad de funcionamiento muy alta y una muy buena resistencia al desgaste. Es la mas adecuada para el mecanizado de materiales muy resistentes.
T5305	P05 - P15 K01 - K15 H05 - H15	◪ ■ ◪				MT-CVD		H	+	Calidad con una resistencia al desgaste químico muy elevada; es adecuada para operaciones de acabado a elevadas velocidades de corte. Gracias a su alta resistencia a la abrasión, también es adecuada para el mecanizado productivo K01-K15 de materiales endurecidos y tratados.
T5315	P10 - P25 K10 - K25 H15 - H25	◪ ■ ◪				MT-CVD		H	+	Calidad destinada principalmente al mecanizado productivo, caracterizada por una gran resistencia a la abrasión y una buena fiabilidad de funcionamiento. Debido a sus propiedades, este material es particularmente adecuado para operaciones de acabado y de desbaste con condiciones de corte buenas o ligeramente adversas.
6640	P20 - P40 M20 - M35 K25 - K40	■ ■ ■				MT-CVD		H	+ + +	Uno de los materiales de torneado más resistentes que puede utilizarse especialmente en operaciones de desbaste, o cuando la fiabilidad de funcionamiento en condiciones de corte adversas es una prioridad. Otra opción ideal para las máquinas que trabajan con velocidades de corte bajas o medias y velocidades de avance medias o altas.

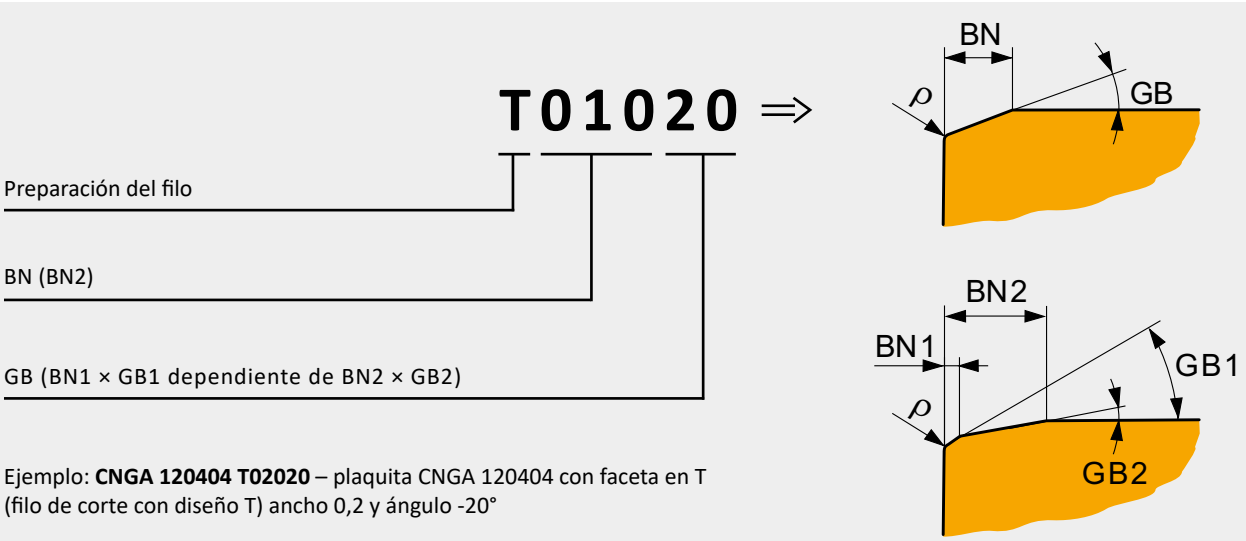
Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
G8330	P25 - P40 M20 - M35 K20 - K40 S15 - S25	■ ■ ■ ◪	▰▰▰▰	▰▰▱▱	▰▰▰▰	PVD		submicron H	+ + +	Calidad de corte universal para aplicaciones de ranurado y tronzado. Esta calidad se caracteriza por su excepcional fiabilidad y versatilidad. Se ha desarrollado para adaptarse a las condiciones de mecanizado de la mayoría de los materiales de las piezas.
T0315	N05 - N20	■	▰▰▰▱	▰▰▰▱	▰▰▰▱	PVD		submicron H	+ +	Calidad de submicrón para el torneado de metales no férreos y sus aleaciones, con un buen equilibrio entre resistencia al desgaste y tenacidad. Cuenta con un recubrimiento único con excelentes propiedades de fricción.
T6310	P01 - P15 M01 - M15 K05 - K20 N05 - N20 S01 - S15 H01 - H15	■ ■ ■ ■ ■ ■	▰▰▰▱	▰▰▰▱	▰▰▰▱	PVD		ultra submicron H	+ + +	Calidad de torneado altamente resistente al desgaste con recubrimiento superior de PVD. Resulta ideal para operaciones y aplicaciones de acabado donde es de gran importancia contar con un filo de corte afilado y una gran resistencia al desgaste en flanco.
T8010	P05 - P15 M05 - M15 K10 - K20 S10 - S15	■ ■ ■ ◪	▰▰▰▱	▰▰▰▱	▰▰▰▱	PVD		submicron H	+ + +	Esta calidad es apta para un torneado de roscas continuo de alta precisión de aceros, acero inoxidable, fundición y superaleaciones. Ofrece una resistencia al desgaste excepcional, al mismo tiempo que garantiza la fiabilidad de funcionamiento.
T8030	P25 - P40 M20 - M35 K20 - K40 N15 - N30 S15 - S25	■ ■ ■ ◪ ◪	▰▰▰▰	▰▰▱▱	▰▰▰▰	PVD		submicron H	+ + +	Sin duda, se trata de la calidad mas versatil; es idonea para el mecanizado de todo tipo de materiales y se puede utilizar en casi todos los tipos de operaciones de torneado. Sus principales beneficios son una alta fiabilidad de funcionamiento y excelentes propiedades de fricción; por tanto, se recomienda para aplicaciones con velocidades de corte de medias a bajas.
T8315	P05 - P20 M05 - M20 K05 - K25 N05 - N25 S05 - S15 H05 - H15	◪ ■ ■ ■ ◪ ■	▰▰▰▱	▰▰▰▱	▰▰▰▱	PVD		submicron H	+ +	Calidad que presenta una excelente resistencia a la abrasión, a la vez que mantiene una fiabilidad de funcionamiento superior a la media; es adecuada para el mecanizado a velocidades de corte medias y altas en materiales duros de viruta corta.
T8330	P25 - P40 M20 - M35 K20 - K40 N15 - N30 S15 - S25 H15 - H25	■ ■ ■ ◪ ◪ ◪	▰▰▰▰	▰▰▱▱	▰▰▰▰	PVD		submicron H	+ + +	Sin duda, el material de corte mas versatil; resulta idoneo para el mecanizado de todo tipo de materiales y es practicamente aplicable en casi todas las operaciones de torneado. Sus principales ventajas son su elevada fiabilidad de funcionamiento y sus excelentes propiedades de friccion; por lo que es adecuado para aplicaciones a velocidades de corte medias y bajas.
T8430 NEW	P20 - P40 M20 - M35 K25 - K40 N15 - N30 S15 - S25 H15 - H25	■ ■ ◪ ◪ ◪ ◪	▰▰▰▰	▰▰▱▱	▰▰▰▰	PVD		submicron H	+ + +	Sin duda, el material de corte mas versatil; resulta idoneo para el mecanizado de todo tipo de materiales y es practicamente aplicable en casi todas las operaciones de torneado. Sus principales ventajas son su elevada fiabilidad de funcionamiento y sus excelentes propiedades de friccion; por lo que es adecuado para aplicaciones a velocidades de corte medias y bajas.
T8345	P30 - P50 M20 - M40 K30 - K40 S20 - S30	■ ◪ ◪ ◪	▰▰▰▰	▰▰▱▱	▰▰▰▰+	PVD		submicron H	+ + +	Se trata de la calidad de torneado más resistente, concebida principalmente para el mecanizado en las peores condiciones de corte y en aplicaciones con los más altos requisitos de fiabilidad de funcionamiento. Debido a sus propiedades, este material está recomendado para velocidades de corte bajas.
HF7	M10 - M20 K10 - K25 N10 - N25	◪ ■ ■	▰▰▰▰	▰▰▱▱	▰▰▰▰	×		submicron H	+ +	Calidad sin recubrimiento, diseñada fundamentalmente para el mecanizado de metales no ferreos; pero tambien se puede utilizar para otros materiales (excepto acero). Este material puede utilizarse en torneado, fresado e incluso mandrinado.

Identificación de la calidad	Área de aplicación	Aplicación	Avance	Velocidad de corte	Resistencia a condiciones de trabajo adversas	Recubrimiento	Color	Sustrato	Ventajas del refrigerante	Descripción de la calidad
H07	M05 - M15 K10 - K25 N10 - N30 S01 - S20	◪ ■ ■ ■	▰▰▰▱	▰▰▰▱	▰▰▰▱	×		submicron H	+ +	Calidad de torneado sin recubrimiento, adecuada para aplicaciones de mecanizado donde la resistencia a la oxidación no es el criterio determinante para la vida útil de la herramienta. Diseñada para el mecanizado de aleaciones con base de Ti. Esta calidad presenta una alta resistencia del filo de corte, junto con una buena resistencia al desgaste.
TT310	P10 - P25 M15 - M25	■ ◪	▰▱▱▱	▰▰▱▱	▰▱▱▱	PVD		cermet	+ / -	Cermet con recubrimiento, que se utiliza para el torneado fino y de acabado de aceros al carbono y aleados (incluidos los inoxidables). Sus excelentes propiedades de fricción mejoran aún más gracias al recubrimiento aplicado mediante la técnica de PVD.
TT010	P01 - P10 M01 - M10	■ ◪	▰▱▱▱	▰▰▱▱	▰▱▱▱	×		cermet	+ / -	Cermet sin recubrimiento, adecuado para el mecanizado fino de todo tipo de aceros (incluido el inoxidable) a velocidades de avance muy bajas. Su principal ventaja es el radio mínimo del filo de corte y su alta resistencia a los mecanismos de desgaste físico y químico.
TC100	K01 - K15	■	▰▱▱▱	▰▱▱▱+	▰▱▱▱	×		ceramics	- -	Calidad cerámica para mecanizado de fundición. Ideal para el mecanizado a elevadas velocidades de corte con condiciones estables.
TB310	K01 - K10 S05 - S10 H01 - H10	■ ◪ ◪	▰▱▱▱	▰▱▱▱+	▰▱▱▱	×		CBN	- -	La calidad CBN es adecuada para el mecanizado de materiales endurecidos. Ideal para el mecanizado a elevadas velocidades de corte y avances lentos con condiciones estables.
PD1	N05 - N25	■	▰▱▱▱	▰▱▱▱+	▰▱▱▱	×		PCD	-	Calidad PCD para el torneado de materiales no ferreos. Es la eleccion ideal para trabajar a elevadas velocidades de corte y avances lentos con condiciones estables.
333TN	P45 - P50 M35 - M40 K35 - K40	■ ◪ ◪	▰▰▰▱	▰▱▱▱	▰▰▰▱+	PVD		HSS	+ + +	Calidad especial compuesta de un sustrato de HSS y un recubrimiento fino y duro de PVD. La calidad de corte mas dura de la gama. Las plaquitas con esta calidad son unicas y solamente se utilizan para el ranurado de chaveteros.

Sustrato	
H	Sustrato de base WC-Co
submicron H	Sustrato de base WC-Co de grano fino (< 1 µm)
ultra submicron H	Sustrato de base WC-Co de grano muy fino (< 0,5 µm)
FGM	Sustrato con gradiente funcional
Cermet	Carburo sin WC
ceramics	Cerámica de corte
PCD	Diamante policristalino
CBN	Nitruro de Boro Cúbico
HSS	Acero rápido

Recubrimiento	
MT-CVD	Método de recubrimiento químico a media temperatura
PVD	Metodo de recubrimiento fisico
×	Sin recubrimiento

Ventajas del aceite de corte	
+ + +	Es imprescindible el uso de refrigerante
+ +	Altamente recomendado
+	Recomendado
+ / –	Opcional
– -	No utilizar refrigerante
–	No se recomienda el uso de refrigerante

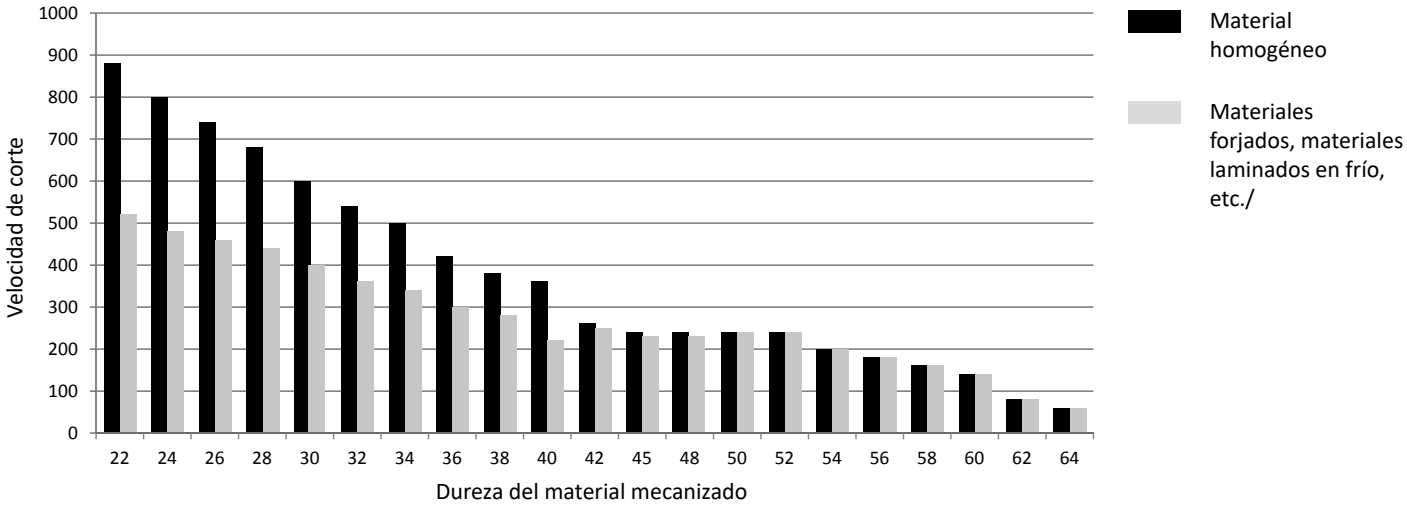


Ejemplo: **CNGA 120404 T02020** – plaquita CNGA 120404 con faceta en T (filo de corte con diseño T) ancho 0,2 y ángulo -20°

Las cerámicas de corte son materiales con uno de los límites de estabilidad térmica más elevados.
No obstante, durante su uso efectivo, también es necesario reducir la velocidad de corte según la dureza y otras características del material mecanizado.

A modo de ilustración, facilitamos un ejemplo concreto de una plaquita redonda que se utiliza para el torneado de acabado.

Velocidad de corte para (a_p = 1.5 mm)



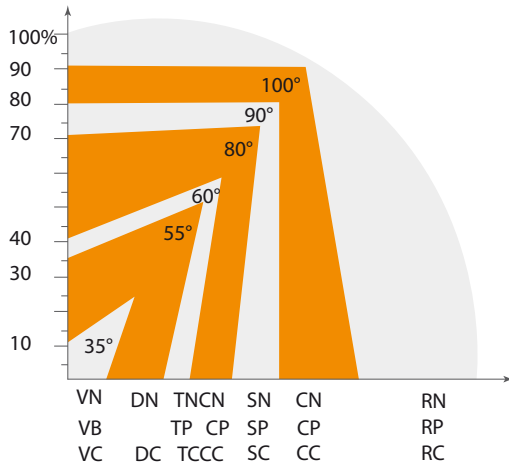
La tabla siguiente indica otros parámetros que se deben tener en cuenta cuando se selecciona la velocidad de corte.

Radio de esquina RE [mm]	**0.4**	**0.8**	**1.2**	**1.6**	**2.4**	**3**
Reducción v_c en	20 %	16 %	12 %	10 %	5 %	2 %
Ángulo del filo de corte principal	**90°**	**75°**	**60°**	**45°**	**30°**	**< 15°**
Reducción v_c en	0 %	5 %	8 %	12 %	15 %	18 %
Forma de la plaquita	**V**	**D**	**T**	**C, W**	**S**	**R**
Ángulo de esquina	35°	55°	60°	80°	90°	–
Reducción v_c en	17 %	12 %	10 %	6 %	4 %	0 %
Profundidad de corte a_p [mm]	**<1.4**	**3**	**6**	**10**	**13**	**20**
Reducción v_c en	5 %	8 %	13 %	16 %	18 %	20 %

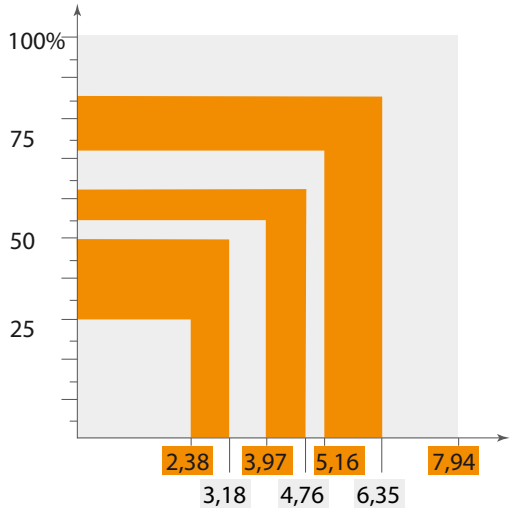
Como se mencionó anteriormente, las cerámicas de corte son materiales con una resistencia a la abrasión muy elevada, pero al mismo tiempo, su dureza es una de las más bajas.

Por lo tanto, con respecto a la rigidez, es necesario tener en cuenta también otros criterios limitadores a la hora de seleccionar la plaquita adecuada.

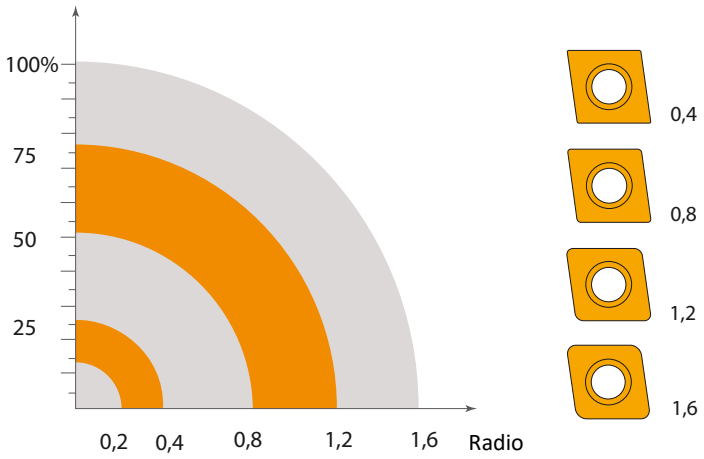
Rigidez en relación con la forma de la plaquita



Rigidez en relación con el grosor de la plaquita

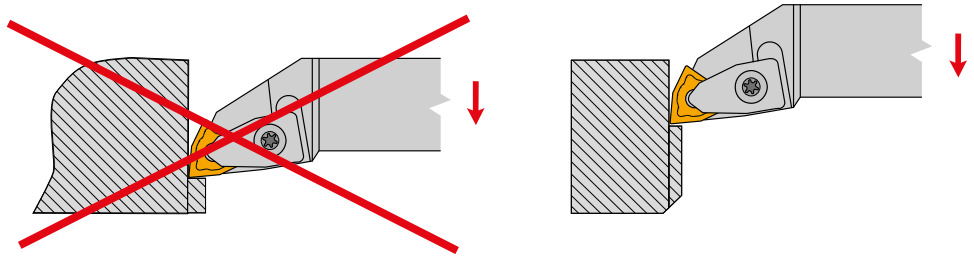


Rigidez en relación con el radio de la plaquita

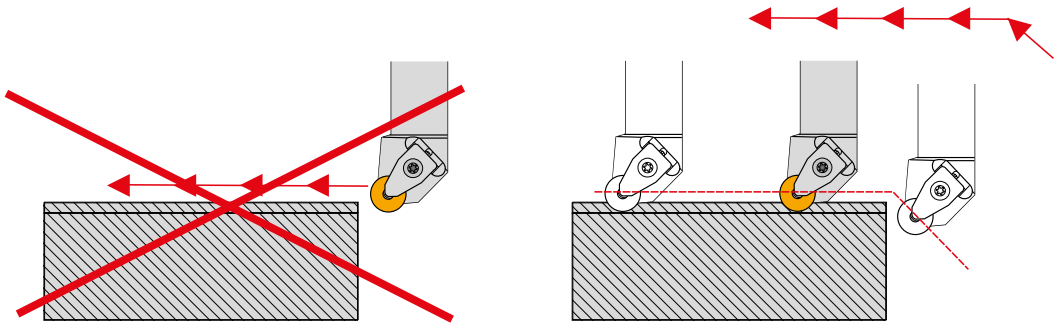


Finalmente, nos gustaría hacer algunas recomendaciones de aplicación práctica:

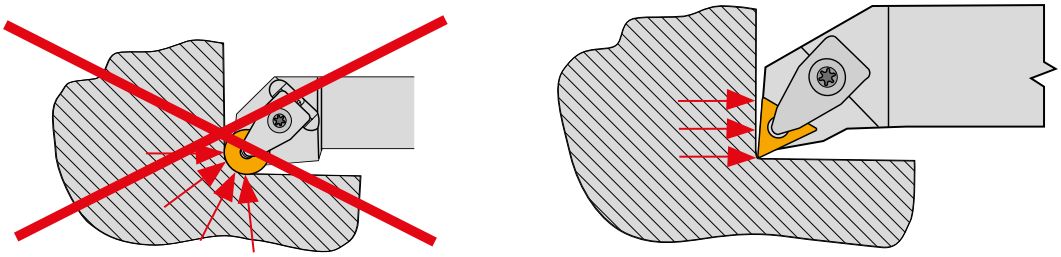
1) Las rebabas en la salida de la herramienta pueden producir la rotura del filo de corte y la destrucción de toda la plaquita. Por lo tanto, es necesario en primer lugar hacer un chaflán en la pieza para eliminar las rebabas.



2) Se recomienda modificar el programa estándar (introduciendo el material); de este modo, se ralentiza la creación de rebabas y se prolonga la duración del filo. Así también se elimina la operación de achaflanar la pieza.

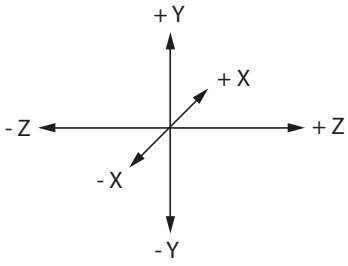


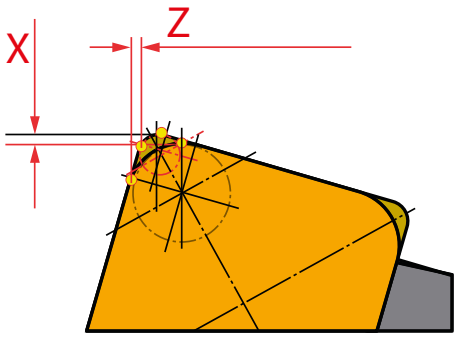
3) Si hay riesgo de problemas debido a las vibraciones de la herramienta, deben utilizarse plaquitas con un radio más pequeño para eliminar las fuerzas radiales.

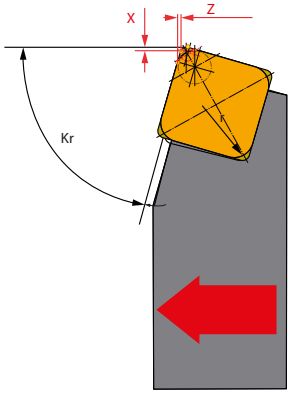


CORRECCIÓN EN COORDENADAS X Y Z SEGÚN EL RADIO Y EL PORTAHERRAMIENTAS

Corrección en coordenadas X y Z según el radio y el portaherramientas:







ATENCIÓN – los datos son válidos para el portaherramientas del lado derecho orientado según la Imagen. Para los portaherramientas internos, es necesaria la orientación hacia el lado izquierdo o de otro tipo para hacer la corrección de las marcas +/– (para sustituir los valores X/Z)

Portaherramientas		Coordenadas	Radio 0,5	Radio 1,0	Radio 1,5				
Portaherramientas externo	CKJNR/L	x	0.443	0.000	-0.433				
		z	-0.050	0.000	0.050				

Portaherramientas		Coordenadas	Radio 02	Radio 04	Radio 08	Radio 12	Radio 16	Radio 24	Radio 32
Portaherramientas externo	DCLNR/L	x	0.060	0.040	0.000	-0.040	-0.080	-0.160	-0.240
		z	-0.062	-0.042	0.000	0.042	0.083	0.166	0.249
	DDJNR/L	x	0.516	0.347	0.000	-0.329	-0.667	-1.343	-2.019
		z	-0.056	-0.041	0.000	0.022	0.054	0.117	0.180
	DSBNR/L	x	0.252	0.170	0.000	-0.158	-0.322	-0.649	-0.977
		z	0.422	0.280	0.000	-0.285	-0.568	-1.134	-1.700
	DSDNN	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	0.247	0.165	0.000	-0.165	-0.33	-0.659	-0.989
	DSKNR/L	x	0.134	0.089	0.000	-0.089	-0.178	-0.358	-0.537
		z	-0.167	-0.111	0.000	0.111	0.222	0.444	0.667
	DSSNR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	0.245	0.162	0.000	-0.167	-0.322	-0.662	-0.992
	DTFNR/L	x	0.426	0.284	0.000	-0.284	-0.569	-1.137	-1.705
		z	0.029	0.019	0.000	-0.019	-0.04	-0.078	-0.117
	DTGNR/L	x	0.437	0.294	0.000	-0.277	-0.562	-1.133	-1.703
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	DVJNR/L	x	0.063	0.042	0.000	-0.042	-0.084	-0.169	-0.253
		z	1.234	0.823	0.000	-0.823	-1.646	-3.291	-4.937
	DVPNR/L	x	0.79	0.527	0.000	-0.527	-1.054	-2.108	-3.161
		z	0.834	0.554	0.000	-0.554	-1.109	-2.217	-3.326
	DWLNR/L	x	0.061	0.044	0.000	-0.026	-0.061	-0.131	-0.200
		z	-0.063	-0.045	0.000	0.027	0.062	0.134	0.206

CAMBIO DE TAMAÑO (CORRECCIÓN) SEGÚN EL RADIO UTILIZADO

Portaherramientas		Coordenadas	Radio 02	Radio 04	Radio 08	Radio 12	Radio 16	Radio 24	Radio 32
Portaherramientas interno	DCLNR/L	x	-0.053	-0.035	0.000	0.035	0.070	0.140	0.210
		z	-0.060	-0.040	0.000	0.040	0.080	0.159	0.239
	DDUNR/L	x	-0.512	-0.341	0.000	0.0341	0.683	1.365	2.047
		z	-0.073	-0.049	0.000	0.049	0.097	0.195	0.292
	DTFNR/L	x	-0.425	-0.289	0.000	0.254	0.526	1.069	1.613
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	DVUNR/L	x	1.254	-0.836	0.000	0.836	1.671	3.343	5.014
		z	-0.129	-0.086	0.000	0.086	0.172	0.344	0.516
	DWLNR/L	x	-0.053	-0.035	0.000	0.035	0.07	0.14	0.21
		z	-0.06	-0.04	0.000	0.04	0.08	0.159	0.239
Portaherramientas externo	MTJNR/L	x	0.437	0.294	0.000	-0.277	-0.562	-1.133	-1.703
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	MVJNR/L	x	1.263	0.847	0.000	-0.819	-1.651	-3.317	-4.982
		z	-0.075	-0.055	0.000	0.025	0.065	0.146	0.226
	MWLNR/L	x	0.609	0.044	0.000	-0.026	-0.061	-0.131	-0.200
		z	-0.063	-0.045	0.000	0.027	0.062	0.134	0.206
	PCBNR/L	x	0.045	0.033	0.000	-0.016	-0.040	-0.088	-0.137
		z	0.128	0.083	0.000	-0.096	-0.185	-0.364	-0.543
	PCKNR/L	x	0.171	0.115	0.000	-0.110	-0.223	-0.448	-0.672
		z	0.685	0.457	0.000	-0.457	-0.914	-1.827	-2.741
	PCLNR/L	x	0.061	0.044	0.000	-0.026	-0.061	-0.131	-0.200
		z	-0.063	-0.045	0.000	0.027	0.062	0.134	0.206
	PDJNR/L	x	0.516	0.347	0.000	-0.329	-0.667	-1.343	-2.019
		z	-0.056	-0.041	0.000	0.022	0.054	0.117	0.180
	PDNNR/L	x	0.699	0.469	0.000	-0.453	-0.915	-1.837	-2.759
		z	0.524	0.348	0.000	-0.357	-0.710	-1.415	-2.120
	PDXNR/L	x	0.453	0.305	0.000	-0.288	-0.584	-1.177	-1.770
		z	-0.156	-0.107	0.000	0.088	0.185	0.380	0.575
	PLBNR/L	x	0.137	0.094	0.000	-0.078	-0.163	-0.335	-0.507
		z	0.153	0.100	0.000	-0.110	-0.220	-0.433	-0.646
	PSBNR/L	x	0.137	0.094	0.000	-0.078	-0.163	-0.335	-0.507
		z	0.153	0.100	0.000	-0.110	-0.220	-0.433	-0.646
	PSDNN	x	0.252	0.170	0.000	-0.158	-0.322	-0.649	-0.977
		z	0.422	0.280	0.000	-0.285	-0.568	-1.134	-1.699
	PSKNR/L	x	0.140	0.094	0.000	-0.090	-0.152	-0.366	-0.550
		z	0.574	0.383	0.000	-0.384	-0.767	-1.533	-2.300
	PSSNR/L	x	0.246	0.164	0.000	-0.164	-0.328	-0.656	-0.983
		z	0.424	0.283	0.000	-0.283	-0.566	-1.131	-1.697
	PTFNR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	-0.411	-0.243	0.000	0.429	0.765	1.437	2.110
	PTGNR/L	x	0.437	0.294	0.000	-0.277	-0.562	-1.133	-1.703
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	PTTNR/L	x	0.601	0.403	0.000	-0.389	-0.784	-1.575	-2.367
		z	0.519	0.345	0.000	-0.354	-0.703	-1.401	-2.099
	PWLNR/L	x	0.609	0.044	0.000	-0.026	-0.061	-0.131	-0.200
		z	-0.063	-0.045	0.000	0.027	0.062	0.134	0.206
Portaherramientas interno	PCLNR/L	x	-0.061	-0.046	0.000	0.012	0.040	0.098	0.156
		z	-0.062	-0.047	0.000	0.015	0.046	0.160	0.169
	PDUNR/L	x	-0.500	-0.339	0.000	0.305	0.627	1.271	1.915
		z	-0.052	-0.040	0.000	0.006	0.029	0.076	0.122
	PSKNR/L	x	-0.153	-0.097	0.000	0.063	0.143	0.303	0.463
		z	0.137	0.098	0.000	-0.124	-0.234	-0.456	-0.677
	PTFNR/L	x	-0.425	-0.289	0.000	0.254	0.526	1.069	1.613
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	PWLNR/L	x	-0.060	-0.046	0.000	0.012	0.043	0.098	0.156
		z	-0.065	-0.049	0.000	0.012	0.040	0.105	0.166

CAMBIO DE TAMAÑO (CORRECCIÓN) SEGÚN EL RADIO UTILIZADO

Portaherramientas		Coordenadas	Radio 02	Radio 04	Radio 08	Radio 12	Radio 16	Radio 24	Radio 32
Portaherramientas externo	SCACR/L	x	0.115	0.077	0.000	-0.077	-0.153	-0.307	-0.460
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SCBCR/L	x	0.042	0.028	0.000	-0.028	-0.055	-0.111	-0.166
		z	0.130	0.087	0.000	-0.087	-0.174	-0.347	-0.521
	SCDCR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	-0.279	-0.186	0.000	0.186	0.372	0.745	1.117
	SCFCR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	-0.124	-0.083	0.000	0.083	0.166	0.331	0.497
	SCLCR/L	x	0.060	0.040	0.000	-0.040	-0.080	-0.160	-0.240
		z	-0.062	-0.042	0.000	0.042	0.083	0.166	0.249
	SDJCR/L	x	0.520	0.346	0.000	-0.346	-0.693	-1.386	-2.078
		z	-0.060	-0.040	0.000	0.040	0.080	0.161	0.241
	SDNCN	x	0.699	0.466	0.000	-0.466	-0.933	-1.865	-2.798
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SEGCR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	-0.182	-0.121	0.000	0.121	0.243	0.485	0.728
	SSBCR/L	x	0.135	0.090	0.000	-0.090	-0.180	-0.360	-0.539
		z	0.155	0.104	0.000	-0.104	-0.207	-0.414	-0.621
	SSDCN	x	0.249	0.166	0.000	-0.166	-0.331	-0.663	-0.994
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SSKCR/L	x	-0.376	-0.517	0.000	-1.083	-1.366	-1.931	-2.497
		z	-0.135	-0.090	0.000	0.090	0.180	0.360	0.539
	STCFR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	–	–	0.000	–	–	–	–
	STJCR/L	x	0.406	0.271	0.000	-0.271	-0.542	-1.084	-1.626
		z	-0.054	-0.036	0.000	0.036	0.071	0.143	-0.214
	SVACR/L	x	00 / 0	01 / – 0.107	–	–	–	–	–
		z	00 / 0	01 / – 0.107	–	–	–	–	–
	SVGCR/L	x	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		z	-1.303	-0.869	0.000	0.869	1.737	3.475	5.212
	SVHBR/L	x	1.034	0.690	0.000	-0.690	-1.379	-2.759	-4.138
		z	-0.544	-0.363	0.000	0.363	0.726	1.452	2.178
	SVHCR/L	x	1.034	0.690	0.000	-0.690	-1.379	-2.759	-4.138
		z	-0.544	-0.363	0.000	0.363	0.726	1.452	2.178
	SVJBR/L	x	1.269	0.846	0.000	-0.846	-1.692	-3.384	-5.076
		z	-0.099	-0.066	0.000	0.066	0.132	0.263	0.395
	SVJCR/L	x	1.269	0.846	0.000	-0.846	-1.692	-3.384	-5.076
		z	-0.099	-0.066	0.000	0.066	0.132	0.263	0.395
	SVPBR/L	x	0.811	0.541	0.000	-0.541	-1.081	-2.162	-3.244
		z	-0.811	-0.541	0.000	0.541	1.081	2.162	3.244
	SVPCR/L	x	0.811	0.541	0.000	-0.541	-1.081	-2.162	-3.244
		z	-0.811	-0.541	0.000	0.541	1.081	2.162	3.244
	SVVBN	x	1.395	0.930	0.000	-0.930	-1.860	-3.721	-5.581
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SVVCN	x	1.395	0.930	0.000	-0.930	-1.860	-3.721	-5.581
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SVXBR/L	x	1.201	0.801	0.000	-0.080	-1.601	-3.202	-4.804
		z	-0.259	-0.173	0.000	0.173	0.345	0.691	1.036
	SVXCR/L	x	1.201	0.801	0.000	-0.080	-1.601	-3.202	-4.804
		z	-0.259	-0.173	0.000	0.173	0.345	0.691	1.036
	SWLCR/L	x	0.060	0.040	0.000	-0.040	-0.080	-0.160	-0.240
		z	-0.060	-0.040	0.000	0.040	0.080	0.160	0.240

CAMBIO DE TAMAÑO (CORRECCIÓN) SEGÚN EL RADIO UTILIZADO

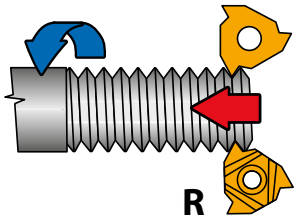
Portaherramientas		Coordenadas	Radio 02	Radio 04	Radio 08	Radio 12	Radio 16	Radio 24	Radio 32
Portaherramientas interno	SCFCR/L	x	-0.420	-0.280	0.000	0.280	0.560	1.121	1.681
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SCKCR/L	x	-0.040	-0.027	0.000	0.027	0.054	0.108	0.161
		z	0.130	0.087	0.000	-0.087	-0.174	-0.348	0.521
	SCLCR/L	x	-0.058	-0.039	0.000	0.039	0.078	0.155	0.233
		z	-0.062	-0.042	0.000	0.042	0.083	0.166	0.249
	SCXCR/L	x	-0.178	-0.119	0.000	0.119	0.237	0.474	0.711
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SDQCR/L	x	-0.309	-0.194	0.000	0.206	0.412	0.825	1.237
		z	-0.310	-0.206	0.000	0.268	0.499	0.961	1.423
	SDUCR/L	x	-0.504	-0.336	0.000	0.336	0.672	1.344	2.016
		z	-0.059	-0.039	0.000	0.041	0.082	0.162	0.242
	SDZCR/L	x	-0.520	-0.346	0.000	0.346	0.693	0.139	2.078
		z	0.059	0.039	0.000	-0.041	-0.082	-0.162	-0.242
	SELPR/L	x	-0.126	-0.084	0.000	0.084	0.168	0.337	0.051
		z	-0.066	-0.044	0.000	0.044	0.088	0.176	0.264
	SEUCR/L	x	-0.149	-0.099	0.000	0.099	0.199	0.397	0.596
		z	-0.041	-0.027	0.000	0.027	0.053	0.107	0.160
	SEUPR/L	x	-0.148	-0.099	0.000	0.099	0.198	0.396	0.593
		z	-0.040	-0.027	0.000	0.027	0.053	0.107	0.160
	SEXPR/L	x	-0.384	-0.256	0.000	0.256	0.512	1.024	1.537
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SSSCR/L	x	-0.249	-0.166	0.000	0.166	0.331	0.663	0.994
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	STFCR/L	x	-0.433	-0.289	0.000	0.289	0.577	1.154	1.731
		z	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SVLCR/L	x	-1.243	-0.828	0.000	0.828	1.657	3.314	4.971
		z	0.239	0.692	0.000	-0.108	-0.215	-0.430	-0.645
	SVQBR/L	x	-1.027	-0.684	0.000	0.690	1.369	2.738	4.106
		z	-0.545	-0.363	0.000	0.363	0.726	1.452	2.178
	SVQCR/L	x	-1.027	-0.684	0.000	0.690	1.369	2.738	4.106
		z	-0.545	-0.363	0.000	0.363	0.726	1.452	2.178
	SVUBR/L	x	-1.259	-0.840	0.000	0.840	1.679	3.358	5.037
		z	0.099	-0.066	0.000	0.066	0.132	0.263	0.395
	SVUCR/L	x	-1.259	-0.840	0.000	0.840	1.679	3.358	5.037
		z	0.099	-0.066	0.000	0.066	0.132	0.263	0.395
	SVXCR/L	x	-0.917	-0.611	0.000	0.611	1.222	2.445	3.667
		z	-0.696	-0.464	0.000	0.464	0.928	1.856	2.783
	SWLCR/L	x	-0.060	-0.039	0.000	0.039	0.079	0.158	0.237
		z	-0.060	-0.040	0.000	0.040	0.080	0.160	0.240
	SWUCR/L	x	-0.080	-0.053	0.000	0.053	0.107	0.213	0.319
		z	-0.034	-0.024	0.000	0.024	0.049	0.098	0.146

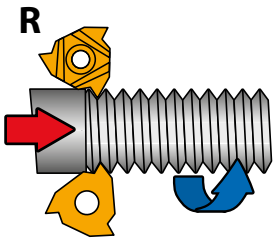
ATENCIÓN – los datos son válidos para el portaherramientas del lado derecho orientado según la Imagen. Para los portaherramientas internos, es necesaria la orientación hacia el lado izquierdo o de otro tipo para hacer la corrección de las marcas +/– (para sustituir los valores X/Z)

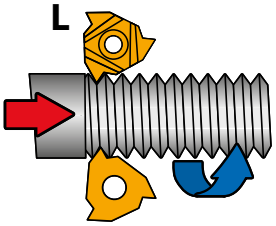
ROSCADO

La pieza de trabajo y la máquina influyen en la elección del método de producción. Pieza de trabajo: rosca interna o externa, a derecha o a izquierda. Máquina: herramienta a derecha o a izquierda. Puede utilizar la Tabla siguiente.

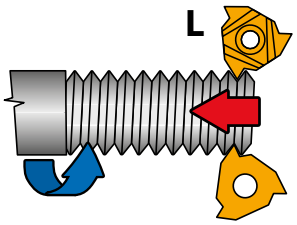
ROSCA EXTERNA, DERECHA

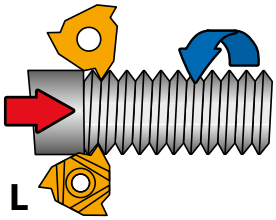


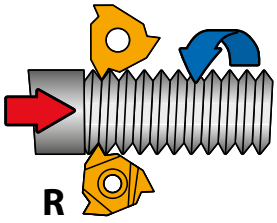




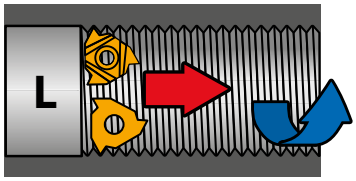
ROSCA EXTERNA, IZQUIERDA

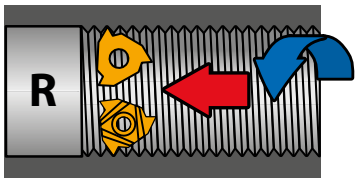




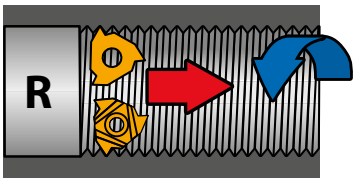


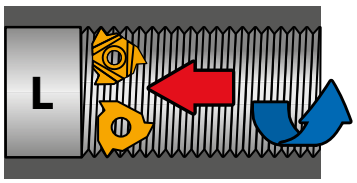
ROSCA INTERNA, DERECHA





ROSCA INTERNA, IZQUIERDA





Movimiento de la pieza

Movimiento de la herramienta

L / R Tipo de inserto

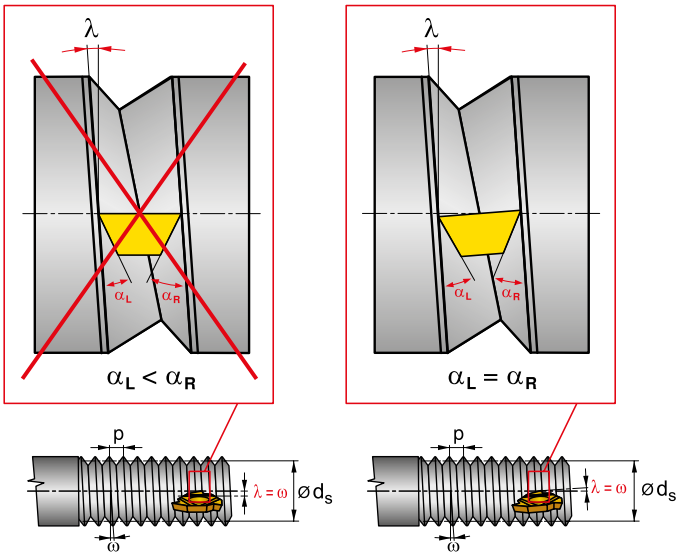
Se puede utilizar la siguiente fórmula para calcular el ángulo de hélice:

$$tg\,\omega = \frac{p}{d_s \cdot \pi}$$

ω ángulo de hélice [°]

p paso [mm]

d_s diámetro de paso [mm]



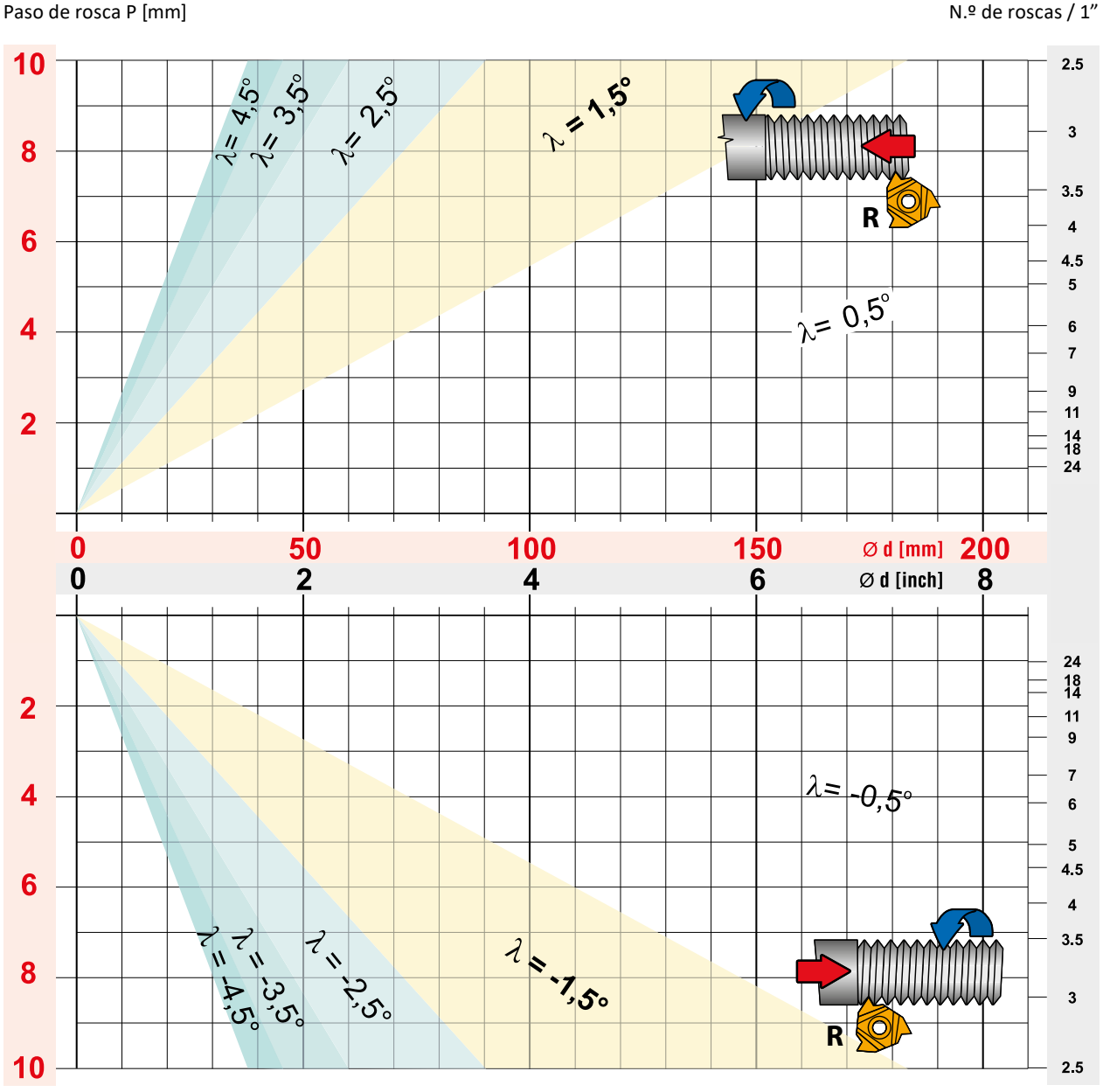
Para generar la forma correcta de la rosca y un desgaste uniforme en la plaquita el ángulo de hélice del filo de corte debe ser igual al ángulo de inclinación base de la rosca.
Normalmente los portaherramientas se suministran con un ángulo de hélice λ = 1.5°. Se puede seleccionar un ángulo de hélice diferente cambiando la base.
Utilice el gráfico o la tabla siguientes para elegir la base correcta. Tabla y gráfica en Imagen.

Selección de la base

Ángulo de hélice λ	Positivo					Negativo		Para placas de ranurado TN16.. ... ZZ, TN22.. ... ZZ
	4.5°	3.5°	2.5°	**1.5°**	0.5°	-0.5°	-1.5°	
Portaherramientas	**Especificación de la base**							
SER .... .16; SIL .... .16	PE16+4.5	PE16+3.5	PE16+2.5	**PE16+1.5**	PE16+0.5	PE16-0.5	PE16-1.5	PE16ZZ
SEL .... .16; SIR .... .16	PI16+4.5	PI16+3.5	PI16+2.5	**PI16+1.5**	PI16+0.5	PI16-0.5	PI16-1.5	PI16ZZ
SER .... .22; SIL .... .22	PE22+4.5	PE22+3.5	PE22+2.5	**PE22+1.5**	PE22+0.5	PE22-0.5	PE22-1.5	PE22ZZ
SEL .... .22; SIR .... .22	PI22+4.5	PI22+3.5	PI22+2.5	**PI22+1.5**	PI22+0.5	PI22-0.5	PI22-1.5	PI22ZZ
SER-S .... .22; SIL-S .... .22	PE22S+4.5	PE22S+3.5	PE22S+2.5	**PE22S+1.5**	PE22S+0.5	PE22S-0.5	PE22S-1.5	-
SEL-S .... .22; SIR-S .... .22	PI22S+4.5	PI22S+3.5	PI22S+2.5	**PI22S+1.5**	PI22S+0.5	PI22S-0.5	PI22S-1.5	-

Nota: Normalmente los portaherramientas se suministran con un ángulo de hélice λ = 1,5°. Se puede seleccionar un ángulo de hélice diferente cambiando la base.
Las bases para portaherramientas SER-S ...., SIR-S .... están marcadas con una „***S***“

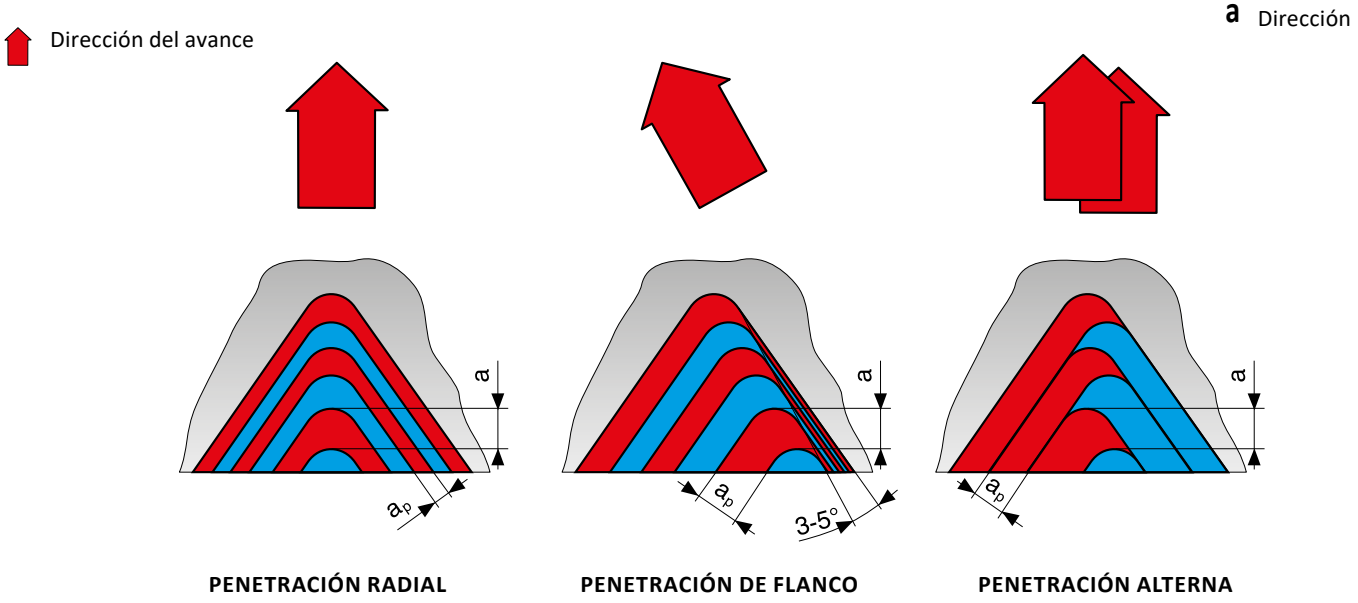
Selección de la base



Movimiento de la pieza Movimiento de la herramienta **L / R** Tipo de inserto

Método de penetración y profundidad

La selección del método de penetración es muy importante con materiales de viruta larga para garantizar un buen control de las virutas.



La selección depende del tipo de máquina, el material mecanizado y el paso.

Penetración radial: sencillo, el más utilizado. La penetración es perpendicular al eje de rotación de la pieza de trabajo. Buena formación de virutas, desgaste uniforme del filo de corte.

Adecuado para roscas de paso pequeño (p <1,5 mm). Riesgo de vibraciones con avances mayores. Primera opción para materiales endurecidos (por ejemplo, aceros inoxidables austeníticos, aceros con bajo contenido de carbono).

Penetración de flanco: reduce la fatiga térmica del filo de corte y por lo tanto, el desgaste.

Excelente control de virutas. Adecuado para roscas con paso p >1,5 mm para roscas TR. El avance de flanco con desviación de 3-5° elimina la fricción en el flanco de la rosca.

Penetración de flanco alternativo: se recomienda para roscas de paso grande y materiales con mala formación de virutas. Larga vida útil de la herramienta. Para máquinas CNC, demanda alta de programación CNC

El método de penetración y el número de pasadas dependen del paso de rosca. Las tablas ofrecen recomendaciones básicas y son aplicables a todas las geometrías. Si se produce una fractura de la plaquita, debe aumentarse el número de pasadas. la profundidad de penetración no debe ser inferior a 0,05 mm/pasada. En los aceros austeníticos y blandos la profundidad de penetración por pasada debe ser superior a 0,08 mm.

EL PERFIL DE ROSCA CILÍNDRICO TUBULAR CORRESPONDE A W (WHITWORTH 55°)					
Marcado de rosca	**N.º de roscas / 1″**	**Paso de rosca P [mm]**	**Diámetro nominal de rosca [mm]**	**Diámetro pequeño de rosca [mm]**	**Marcado de plaquita de rosca**
G 1/16″	28	0,907	7.723	6.561	**TN xxxx280W**
G 1/8″			9.728	8.566	
G 1/4″	19	1,337	13.157	11.445	**TN xxxx190W**
G 3/8″			16.662	14.950	
G 1/2″	14	1,814	20.955	18.631	**TN xxxx140W**
G 5/8″			22.911	20.587	
G 3/4″			26.441	24.117	
G 7/8″			30.201	27.877	
G 1″	11	2,309	33.249	30.291	**TN xxxx110W**
G1 1/8″			37.897	34.939	
G1 1/4″			41.910	38.952	
G1 1/2″			47.803	44.845	
G1 3/4″			53.746	50.788	
G 2″			59.614	56.656	
G2 1/4″			65.710	62.752	
G2 1/2″			75.184	72.226	
G2 3/4″			81.534	78.576	
G3″			87.884	84.926	
G3 1/2″			100.330	97.372	
G4″			113.030	110.072	
G4 1/2″			125.730	122.772	
G5″			138.430	135.472	
G5 1/2″			151.130	148.172	
G6″			163.830	160.872	

Ejemplo: para una rosca externa derecha en un tubo de 1 ½″ utilice la plaquita de rosca TN 16ER110W; 8030

M – métrica 60° – externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA														
	Paso [mm]														
	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.50
1	0.46	0.43	0.41	0.37	0.34	0.34	0.28	0.27	0.24	0.22	0.22	0.21	0.18	0.16	0.11
2	0.43	0.40	0.39	0.34	0.32	0.31	0.26	0.24	0.22	0.20	0.20	0.17	0.16	0.14	0.09
3	0.35	0.32	0.32	0.28	0.25	0.25	0.21	0.20	0.18	0.17	0.17	0.14	0.12	0.11	0.07
4	0.30	0.28	0.27	0.24	0.22	0.21	0.18	0.17	0.16	0.14	0.14	0.11	0.11	0.07	0.06
5	0.29	0.26	0.24	0.22	0.20	0.18	0.16	0.15	0.14	0.12	0.12	0.10	0.08		
6	0.26	0.24	0.24	0.22	0.18	0.18	0.15	0.15	0.12	0.10	0.08	0.08			
7	0.24	0.21	0.22	0.20	0.17	0.16	0.14	0.12	0.11	0.10					
8	0.23	0.20	0.20	0.18	0.15	0.15	0.13	0.11	0.08	0.08					
9	0.22	0.19	0.19	0.17	0.14	0.14	0.12	0.11							
10	0.19	0.18	0.18	0.16	0.13	0.12	0.11	0.08							
11	0.18	0.17	0.16	0.14	0.12	0.11	0.10								
12	0.16	0.15	0.15	0.13	0.12	0.08	0.08								
13	0.15	0.14	0.12	0.12	0.11										
14	0.13	0.13	0.10	0.10	0.08										
15	0.13	0.12													
16	0.10	0.10													
Profundidad de penetración total	**3.83**	**3.52**	**3.19**	**2.87**	**2.53**	**2.23**	**1.92**	**1.60**	**1.25**	**1.13**	**0.93**	**0.81**	**0.65**	**0.48**	**0.33**

M – métrica 60° – interna

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA														
	Paso [mm]														
	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.50
1	0.46	0.43	0.42	0.37	0.34	0.32	0.28	0.26	0.23	0.22	0.20	0.17	0.17	0.16	0.10
2	0.43	0.40	0.40	0.34	0.31	0.30	0.26	0.25	0.21	0.20	0.18	0.17	0.15	0.13	0.08
3	0.35	0.33	0.32	0.28	0.24	0.24	0.21	0.18	0.17	0.15	0.15	0.14	0.11	0.10	0.07
4	0.30	0.26	0.26	0.23	0.21	0.19	0.16	0.15	0.15	0.13	0.13	0.10	0.09	0.07	0.06
5	0.26	0.22	0.22	0.21	0.18	0.17	0.14	0.13	0.12	0.10	0.11	0.09	0.08		
6	0.22	0.20	0.20	0.19	0.15	0.15	0.13	0.12	0.11	0.09	0.08	0.08			
7	0.20	0.18	0.17	0.16	0.14	0.14	0.12	0.11	0.10	0.08					
8	0.19	0.17	0.16	0.15	0.13	0.13	0.11	0.10	0.08	0.08					
9	0.18	0.16	0.16	0.14	0.12	0.12	0.10	0.10							
10	0.16	0.15	0.15	0.13	0.12	0.11	0.10	0.08							
11	0.15	0.14	0.14	0.12	0.11	0.10	0.09								
12	0.15	0.14	0.14	0.12	0.10	0.08	0.08								
13	0.14	0.13	0.12	0.11	0.10										
14	0.13	0.12	0.10	0.10	0.08										
15	0.12	0.12													
16	0.10	0.10													
Profundidad de penetración total	**3.54**	**3.25**	**2.96**	**2.65**	**2.33**	**2.05**	**1.78**	**1.48**	**1.17**	**1.05**	**0.85**	**0.75**	**0.60**	**0.46**	**0.31**

W – Whitworth 55° – externa e interna

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA																
	Paso [fpp]																
	4	4.5	5	6	7	8	9	10	11	12	14	16	18	19	20	26	28
1	0.49	0.46	0.45	0.38	0.37	0.32	0.30	0.29	0.28	0.28	0.24	0.24	0.23	0.22	0.21	0.19	0.18
2	0.46	0.43	0.43	0.36	0.35	0.30	0.28	0.27	0.26	0.26	0.22	0.22	0.22	0.22	0.21	0.18	0.17
3	0.38	0.38	0.38	0.30	0.29	0.24	0.23	0.22	0.22	0.22	0.18	0.19	0.19	0.18	0.17	0.15	0.14
4	0.36	0.33	0.32	0.26	0.25	0.21	0.20	0.19	0.19	0.18	0.15	0.16	0.16	0.14	0.14	0.12	0.12
5	0.34	0.29	0.28	0.22	0.22	0.19	0.18	0.17	0.16	0.16	0.13	0.13	0.13	0.12	0.11	0.08	0.08
6	0.31	0.25	0.25	0.21	0.19	0.17	0.15	0.15	0.14	0.14	0.11	0.11	0.08	0.08	0.08		
7	0.29	0.24	0.22	0.19	0.18	0.15	0.14	0.14	0.13	0.13	0.09	0.08					
8	0.27	0.22	0.20	0.17	0.16	0.14	0.13	0.13	0.12	0.08	0.08						
9	0.24	0.20	0.19	0.16	0.15	0.13	0.12	0.12	0.08								
10	0.22	0.18	0.18	0.15	0.14	0.12	0.12	0.08									
11	0.20	0.17	0.17	0.14	0.12	0.12	0.08										
12	0.19	0.16	0.15	0.14	0.08	0.08											
13	0.17	0.15	0.12	0.12													
14	0.15	0.14	0.10	0.10													
15	0.12	0.12															
16	0.10	0.10															
Profundidad de penetración total	4.29	3.82	3.44	2.90	2.50	2.17	1.93	1.76	1.58	1.45	1.20	1.13	1.01	0.96	0.92	0.72	0.69

UN 60° – externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA																	
	Paso [fpp]																	
	4	4.5	5	6	7	8	9	10	11	12	13	14	16	18	20	24	28	32
1	0.47	0.45	0.43	0.36	0.35	0.30	0.28	0.27	0.27	0.27	0.25	0.23	0.22	0.23	0.20	0.19	0.17	0.17
2	0.44	0.41	0.40	0.34	0.33	0.28	0.26	0.26	0.25	0.26	0.24	0.22	0.21	0.21	0.19	0.17	0.15	0.15
3	0.40	0.39	0.36	0.27	0.26	0.25	0.21	0.20	0.20	0.20	0.18	0.17	0.16	0.16	0.15	0.14	0.11	0.13
4	0.36	0.31	0.31	0.23	0.22	0.21	0.20	0.17	0.19	0.18	0.17	0.15	0.14	0.14	0.12	0.12	0.09	0.08
5	0.32	0.26	0.26	0.22	0.21	0.18	0.17	0.16	0.16	0.15	0.14	0.13	0.13	0.12	0.10	0.08	0.08	
6	0.27	0.23	0.23	0.20	0.19	0.16	0.15	0.15	0.14	0.13	0.12	0.11	0.11	0.08	0.08			
7	0.25	0.21	0.20	0.18	0.17	0.14	0.14	0.14	0.12	0.12	0.11	0.10	0.08					
8	0.23	0.20	0.19	0.16	0.15	0.13	0.12	0.12	0.11	0.08	0.08	0.08						
9	0.22	0.18	0.19	0.15	0.14	0.12	0.12	0.11	0.08									
10	0.21	0.17	0.18	0.14	0.12	0.12	0.11	0.08										
11	0.19	0.16	0.17	0.13	0.11	0.11	0.08											
12	0.18	0.15	0.15	0.12	0.08	0.08												
13	0.16	0.14	0.12	0.11														
14	0.15	0.14	0.10	0.10														
15	0.12	0.12																
16	0.10	0.10																
Profundidad de penetración total	**4.07**	**3.62**	**3.29**	**2.71**	**2.33**	**2.08**	**1.84**	**1.66**	**1.52**	**1.39**	**1.29**	**1.19**	**1.05**	**0.94**	**0.84**	**0.70**	**0.60**	**0.53**

UN 60° – interna

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA																	
	Paso [fpp]																	
	4	4.5	5	6	7	8	9	10	11	12	13	14	16	18	20	24	28	32
1	0.44	0.41	0.42	0.35	0.34	0.30	0.28	0.27	0.27	0.27	0.25	0.23	0.22	0.23	0.20	0.18	0.17	0.17
2	0.41	0.38	0.38	0.33	0.32	0.28	0.26	0.25	0.23	0.23	0.20	0.18	0.18	0.17	0.16	0.15	0.14	0.14
3	0.39	0.34	0.33	0.25	0.24	0.22	0.19	0.18	0.18	0.18	0.15	0.14	0.14	0.14	0.13	0.13	0.09	0.10
4	0.33	0.28	0.27	0.21	0.21	0.18	0.16	0.15	0.15	0.15	0.13	0.13	0.12	0.12	0.10	0.10	0.08	0.08
5	0.28	0.23	0.23	0.18	0.17	0.15	0.14	0.13	0.13	0.13	0.12	0.11	0.10	0.10	0.09	0.08	0.08	
6	0.24	0.20	0.20	0.16	0.15	0.13	0.13	0.12	0.11	0.11	0.11	0.10	0.09	0.08	0.08			
7	0.22	0.19	0.18	0.15	0.14	0.12	0.12	0.11	0.11	0.10	0.10	0.09	0.08					
8	0.21	0.18	0.17	0.14	0.13	0.11	0.11	0.10	0.10	0.08	0.08	0.08						
9	0.20	0.17	0.16	0.13	0.12	0.11	0.10	0.10	0.08									
10	0.18	0.16	0.15	0.12	0.12	0.10	0.09	0.08										
11	0.17	0.15	0.14	0.12	0.11	0.10	0.08											
12	0.16	0.14	0.14	0.11	0.08	0.08												
13	0.15	0.14	0.12	0.11														
14	0.14	0.13	0.10	0.10														
15	0.12	0.12																
16	0.10	0.10																
Profundidad de penetración total	**3.74**	**3.32**	**2.99**	**2.46**	**2.13**	**1.88**	**1.66**	**1.49**	**1.36**	**1.25**	**1.14**	**1.06**	**0.93**	**0.84**	**0.76**	**0.64**	**0.56**	**0.49**

NPT 60° – interna ed externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA				
	Paso [fpp]				
	8	11.5	14	18	27
1	0.28	0.25	0.24	0.22	0.19
2	0.25	0.22	0.22	0.18	0.15
3	0.22	0.18	0.17	0.15	0.13
4	0.19	0.16	0.15	0.14	0.11
5	0.18	0.16	0.14	0.13	0.09
6	0.18	0.14	0.13	0.12	0.08
7	0.17	0.14	0.12	0.10	
8	0.17	0.12	0.10	0.08	
9	0.16	0.12	0.10		
10	0.16	0.10	0.08		
11	0.14	0.09			
12	0.13	0.08			
13	0.12				
14	0.11				
15	0.08				
Profundidad de penetración total	**2.54**	**1.76**	**1.45**	**1.12**	**0.75**

RD – RD 30° – externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA			
	Paso [fpp]			
	4	6	8	10
1	0.44	0.33	0.29	0.26
2	0.40	0.29	0.26	0.25
3	0.34	0.25	0.21	0.23
4	0.32	0.23	0.19	0.20
5	0.28	0.20	0.18	0.16
6	0.26	0.18	0.16	0.12
7	0.24	0.16	0.14	0.10
8	0.22	0.15	0.12	0.08
9	0.20	0.14	0.10	
10	0.19	0.12	0.08	
11	0.17	0.10		
12	0.15	0.08		
13	0.12			
14	0.10			
Profundidad de penetración total	**3.43**	**2.23**	**1.73**	**1.40**

RD – RD 30° – interna

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA			
	Paso [fpp]			
	4	6	8	10
1	0.46	0.38	0.26	0.27
2	0.43	0.34	0.22	0.26
3	0.40	0.30	0.21	0.25
4	0.35	0.25	0.19	0.22
5	0.30	0.21	0.18	0.18
6	0.26	0.19	0.16	0.13
7	0.24	0.17	0.14	0.10
8	0.22	0.16	0.12	0.08
9	0.20	0.14	0.10	
10	0.19	0.12	0.08	
11	0.17	0.10		
12	0.15	0.08		
13	0.12			
14	0.10			
Profundidad de penetración total	**3.59**	**2.44**	**1.66**	**1.49**

TR 30° – externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA											
	Paso [mm]											
	14,0	12,0	10,0	9,0	8,0	7,0	6,0	5,0	4,0	3,0	2,0	1,5
1	0.40	0.38	0.38	0.38	0.37	0.37	0.37	0.34	0.31	0.27	0.25	0.23
2	0.37	0.36	0.36	0.35	0.35	0.34	0.35	0.33	0.28	0.25	0.24	0.22
3	0.36	0.34	0.34	0.34	0.34	0.33	0.32	0.27	0.24	0.21	0.20	0.18
4	0.36	0.34	0.34	0.33	0.33	0.31	0.29	0.25	0.20	0.17	0.17	0.14
5	0.35	0.32	0.32	0.31	0.31	0.29	0.27	0.23	0.19	0.15	0.14	0.12
6	0.35	0.32	0.32	0.30	0.29	0.26	0.25	0.21	0.18	0.13	0.13	0.08
7	0.34	0.30	0.31	0.29	0.28	0.26	0.23	0.20	0.16	0.13	0.11	
8	0.34	0.30	0.29	0.28	0.27	0.26	0.22	0.20	0.15	0.12	0.09	
9	0.34	0.30	0.28	0.26	0.25	0.24	0.22	0.18	0.15	0.12		
10	0.33	0.29	0.27	0.25	0.24	0.23	0.20	0.16	0.15	0.10		
11	0.33	0.29	0.25	0.24	0.23	0.22	0.18	0.15	0.14	0.10		
12	0.32	0.29	0.24	0.23	0.21	0.22	0.17	0.14	0.13	0.08		
13	0.32	0.28	0.23	0.22	0.20	0.20	0.17	0.13	0.10			
14	0.31	0.27	0.22	0.21	0.19	0.19	0.16	0.10				
15	0.31	0.25	0.22	0.21	0.19	0.17	0.14					
16	0.30	0.25	0.20	0.19	0.18	0.16	0.12					
17	0.30	0.24	0.19	0.18	0.17	0.12						
18	0.29	0.22	0.18	0.16	0.15							
19	0.28	0.20	0.17	0.15	0.13							
20	0.27	0.20	0.16	0.15								
21	0.23	0.19	0.15	0.13								
22	0.23	0.18	0.15									
23	0.21	0.17	0.13									
24	0.19	0.16										
25	0.17	0.15										
26	0.16	0.13										
27	0.16											
28	0.15											
29	0.13											
Profundidad de penetración total	**8.2**	**6.72**	**5.7**	**5.16**	**4.68**	**4.17**	**3.66**	**2.89**	**2.38**	**1.83**	**1.33**	**0.97**

TR - TR 30° – interna

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA											
	Paso [mm]											
	14,0	12,0	10,0	9,0	8,0	7,0	6,0	5,0	4,0	3,0	2,0	1,5
1	0.40	0.38	0.38	0.38	0.37	0.37	0.37	0.34	0.31	0.27	0.25	0.23
2	0.37	0.36	0.36	0.35	0.35	0.34	0.34	0.33	0.28	0.25	0.24	0.22
3	0.36	0.34	0.34	0.34	0.34	0.33	0.32	0.27	0.24	0.22	0.21	0.19
4	0.36	0.34	0.34	0.33	0.33	0.31	0.29	0.25	0.20	0.17	0.17	0.14
5	0.35	0.32	0.32	0.31	0.31	0.29	0.27	0.23	0.19	0.15	0.14	0.12
6	0.35	0.32	0.32	0.31	0.29	0.26	0.25	0.21	0.18	0.14	0.13	0.08
7	0.34	0.30	0.31	0.29	0.28	0.26	0.23	0.20	0.16	0.13	0.11	
8	0.34	0.30	0.29	0.29	0.27	0.26	0.22	0.20	0.15	0.12	0.09	
9	0.34	0.30	0.28	0.26	0.25	0.24	0.22	0.18	0.15	0.12		
10	0.33	0.29	0.27	0.25	0.24	0.23	0.20	0.16	0.15	0.10		
11	0.33	0.29	0.25	0.24	0.23	0.22	0.18	0.15	0.14	0.10		
12	0.32	0.28	0.24	0.23	0.21	0.22	0.17	0.14	0.13	0.08		
13	0.32	0.28	0.23	0.22	0.20	0.20	0.17	0.13	0.10			
14	0.31	0.27	0.22	0.21	0.19	0.19	0.16	0.10				
15	0.31	0.25	0.22	0.21	0.19	0.17	0.14					
16	0.30	0.25	0.20	0.20	0.18	0.16	0.12					
17	0.30	0.24	0.19	0.18	0.17	0.12						
18	0.29	0.22	0.18	0.16	0.15							
19	0.28	0.20	0.17	0.15	0.13							
20	0.27	0.20	0.16	0.15								
21	0.27	0.19	0.15	0.13								
22	0.23	0.18	0.15									
23	0.23	0.17	0.13									
24	0.21	0.16										
25	0.19	0.15										
26	0.17	0.13										
27	0.16											
28	0.16											
29	0.15											
30	0.13											
Profundidad de penetración total	**8.47**	**6.71**	**5.7**	**5.19**	**4.68**	**4.17**	**3.65**	**2.89**	**2.38**	**1.85**	**1.34**	**0.98**

BSPT 55° – interna ed externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA			
	Paso [fpp]			
	11	14	19	28
1	0.22	0.19	0.19	0.15
2	0.21	0.18	0.18	0.14
3	0.20	0.17	0.17	0.13
4	0.19	0.16	0.15	0.12
5	0.18	0.15	0.13	0.08
6	0.16	0.14	0.08	
7	0.15	0.12		
8	0.13	0.08		
9	0.08			
Profundidad de penetración total	**1.52**	**1.19**	**0.90**	**0.62**

ACME – ACME 29° – externa

Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA							
	Paso [fpp]							
	4	5	6	8	10	12	14	16
1	0.37	0.34	0.32	0.29	0.27	0.25	0.22	0.23
2	0.34	0.32	0.28	0.25	0.23	0.22	0.20	0.21
3	0.30	0.25	0.23	0.21	0.20	0.17	0.18	0.18
4	0.27	0.23	0.21	0.17	0.18	0.14	0.15	0.14
5	0.25	0.22	0.18	0.15	0.14	0.13	0.13	0.12
6	0.24	0.20	0.18	0.13	0.12	0.12	0.11	0.08
7	0.21	0.19	0.16	0.13	0.12	0.10	0.08	
8	0.20	0.19	0.16	0.12	0.11	0.09		
9	0.20	0.18	0.16	0.12	0.11			
10	0.18	0.16	0.15	0.11	0.09			
11	0.17	0.15	0.14	0.11				
12	0.16	0.14	0.13	0.09				
13	0.16	0.13	0.11					
14	0.15	0.11						
15	0.14							
16	0.12							
Profundidad de penetración total	**3.46**	**2.83**	**2.41**	**1.88**	**1.57**	**1.22**	**1.07**	**0.96**

ACME – ACME 29° – interna

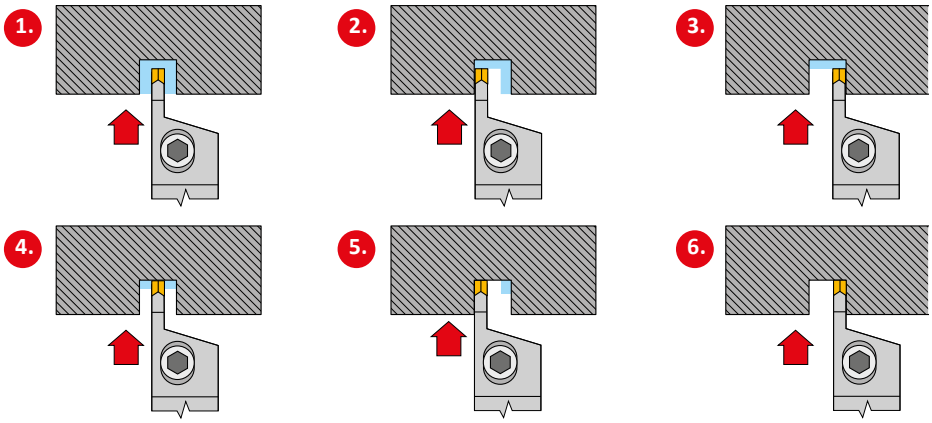
Número de pasadas	REDUZCA LA VELOCIDAD DE CORTE PROPORCIONALMENTE AL AUMENTO DEL PASO DE ROSCA							
	Paso [fpp]							
	4	5	6	8	10	12	14	16
1	0.37	0.34	0.32	0.29	0.27	0.25	0.22	0.23
2	0.33	0.31	0.27	0.25	0.23	0.22	0.20	0.21
3	0.30	0.25	0.23	0.21	0.20	0.17	0.18	0.17
4	0.27	0.23	0.20	0.17	0.18	0.15	0.15	0.14
5	0.25	0.22	0.18	0.15	0.15	0.13	0.13	0.12
6	0.23	0.20	0.18	0.14	0.12	0.12	0.11	0.08
7	0.21	0.19	0.16	0.13	0.12	0.10	0.08	
8	0.20	0.19	0.15	0.12	0.11	0.09		
9	0.20	0.17	0.15	0.12	0.11			
10	0.18	0.16	0.15	0.12	0.09			
11	0.17	0.15	0.14	0.11				
12	0.16	0.14	0.13	0.09				
13	0.16	0.13	0.11					
14	0.15	0.11						
15	0.14							
16	0.12							
Profundidad de penetración total	**3.44**	**2.78**	**2.38**	**1.90**	**1.59**	**1.23**	**1.07**	**0.95**

Torneado de rebajes, tronzado y torneado en copia.

Pramet ofrece una amplia gama de herramientas para el torneado de rebajes superficiales y profundos, tanto radial como axialmente (ranurado frontal). El torneado de perfiles circular/en copia también puede realizarse mediante corte lateral.

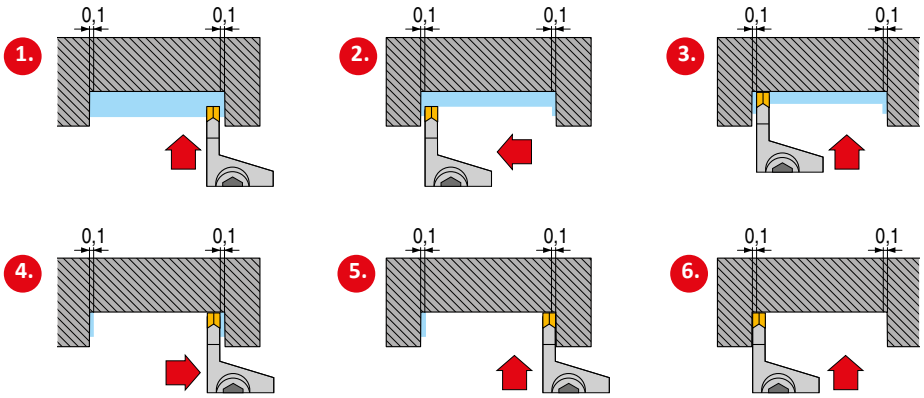
Recomendación para el uso práctico:

En la siguiente imagen se muestra el procedimiento para tornear un rebaje (profundizar y ensanchar).

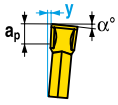


Nota: Para crear una superficie de asiento plana, utilice una plaquita de tipo **GL** con rompevirutas **GM** o **LCMF** con rompevirutas **F.** Las pasadas de ranurado radial exteriores deben solapar la pasada central en un valor equivalente a dos veces el radio de esquina de la plaquita.

Al mecanizar un rebaje ancho, siga el procedimiento que se muestra en la imagen siguiente.

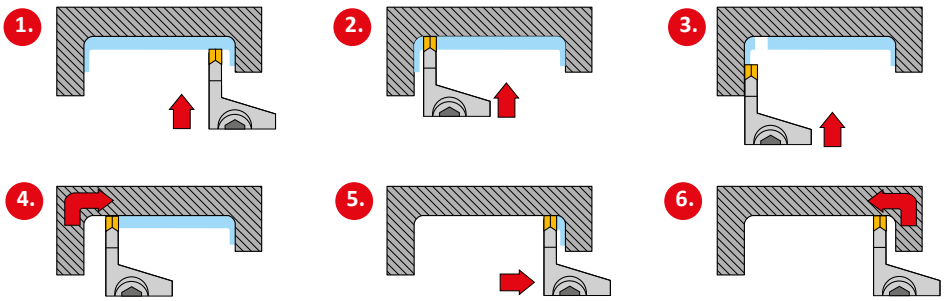


Nota: Utilice la plaquita de corte LCMF con rompevirutas M. Debe tener en cuenta la deformación de la herramienta «*y*»:

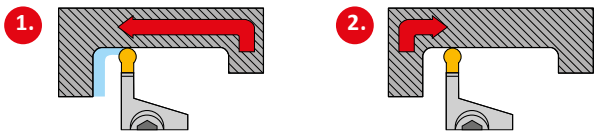


- para *f* = 0,15 mm/rev; a_p = 3 mm ***y = 0,07 mm***
- para *f* = 0,25 mm/rev; a_p = 3 mm ***y = 0,08 mm***
- para *f* = 0,35 mm/rev; a_p = 3 mm ***y = 0,10 mm***

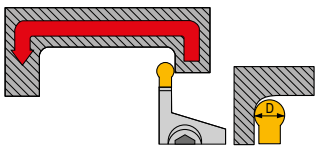
Al abrir o profundizar un contorno utilizando el torneado lateral, siga el procedimiento que se muestra en la siguiente imagen.



Desbaste de contorno (plaquita con filo de corte redondo)



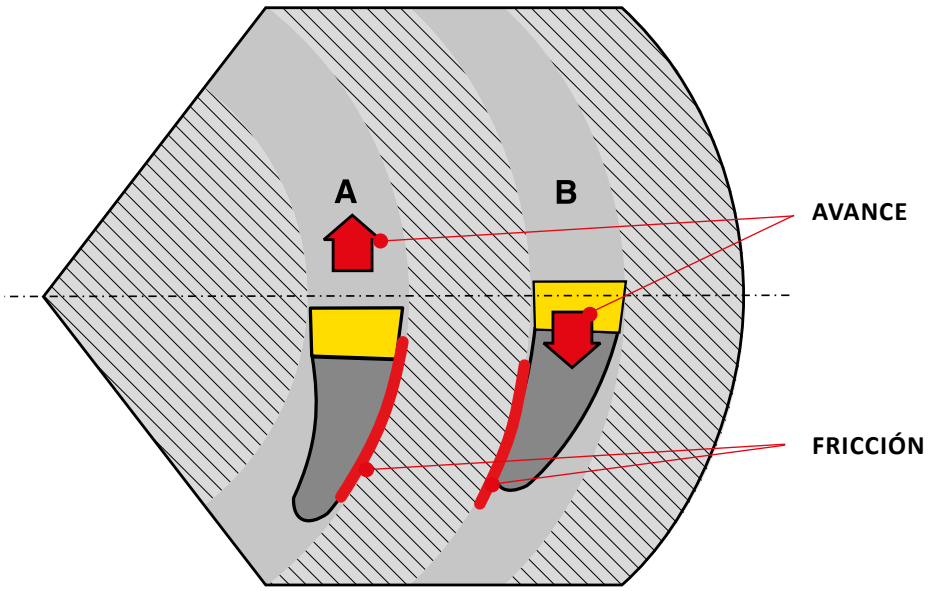
Acabado de contorno (plaquita con filo de corte redondo)



D (mm)	a_p (mm)
3	0.15
4	0.20
5	0.22
6	0.25
8	0.40

Para el torneado en copia utilizando plaquitas intercambiables con filo de corte redondo, la profundidad de corte máxima es del 50 % del diámetro de la plaquita.
Elija el portaherramientas con la sección transversal máxima y voladizo de herramienta mínimo para eliminar el riesgo de vibraciones.
El eje longitudinal de la plaquita de corte debe ser perpendicular al eje de rotación de la pieza (en los rebajes radiales).
El filo de corte debe estar en la línea central dentro de una tolerancia de + - 0.1 mm.
El refrigerante debe aplicarse directamente sobre el filo de corte y sobre la zona de apoyo del portaherramientas bajo el filo de corte de la plaquita, en cantidades suficientes para garantizar una refrigeración eficaz de la misma.
En el ranurado frontal es necesario seleccionar un portaherramientas con el rango correcto de diámetros para la ranura que se vaya a mecanizar. La herramienta debe colocarse paralela al eje de rotación de la pieza (perpendicular a la cara de la ranura). De lo contrario, existe el riesgo de que se produzcan roces con la(s) pared(es) de la ranura durante el mecanizado.
En caso de que la herramienta roce con la pared exterior de la ranura, puede ser necesario elevar el filo de corte por encima del centro (véase el ejemplo A en la imagen).

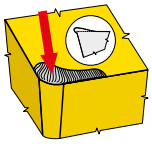
Para el ranurado frontal, la herramienta debe ajustarse de forma perpendicular a la cara de la pieza con gran precisión; de lo contrario, el lado de la herramienta rozará con la ranura que se está creando.

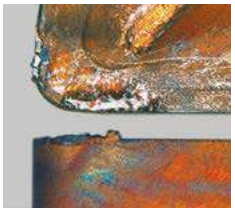


Es muy importante utilizar un refrigerante eficaz y aplicarlo directamente sobre el filo de corte, en cantidades suficientes. La refrigeración reduce la temperatura del filo de corte y también de la parte inferior del portaherramientas, donde se asienta la plaquita de corte.

TIPOS DE DESGASTE DE LAS PLAQUITAS DE TORNEADO

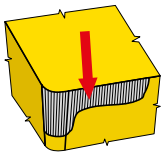
FILO DE APORTACIÓN

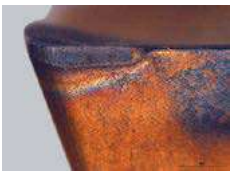




		No influye
(MT)CVD / PVD	+ +	Cualquier recubrimiento (el factor decisivo es el efecto anti-adherente)
f	↑	Cuanto mayor sea el avance menor probabilidad de formación de filo de aportación
V	↓↑	Cambiar (generalmente aumentar) la velocidad de corte
a_p		No influye
	↓↑	Utilizar una geometría más positiva (el filo de aportación no se crea cuando el ángulo de desprendimiento es mayor de 40º)
	-	Usar un refrigerante con propiedades anti-adherencia más efectivas (o no utilizar ningún refrigerante)

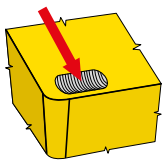
ENTALLA POR OXIDACIÓN

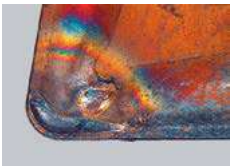




	↑	Utilizar un sustrato más resistente aL desgaste (H)
(MT)CVD / PVD	+ +	Cualquier recubrimiento (el factor decisivo es la dureza – TIC, TICN)
f	↑	El avance influye en la forma y la posición de la entalla
V	↓	Reducir la velocidad de corte
	↑	No influye
a_p	+	Lo más importante es aumentar el ángulo de incidencia
	+	Usar refrigerante o incrementar su intensidad

CRÁTER

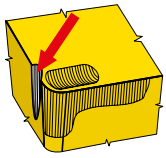




	↑	Utilizar un sustrato más resistente al desgaste (S)
(MT)CVD / PVD	+ +	Cualquier recubrimiento (el factor decisivo es la resistencia térmica – α Al_2O_3)
f	↑	El avance influye en la forma y la posición del cráter
V	↓	Reducir la velocidad de corte
a_p	↓	Mínimo efecto
	↑	Utilizar una geometría de corte más positiva
	+ +	Usar refrigerante o incrementar su intensidad

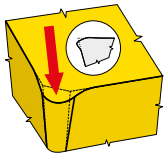
TIPOS DE DESGASTE DE LAS PLAQUITAS DE TORNEADO

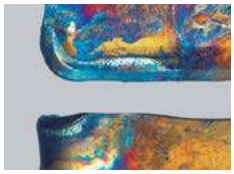
DESGASTE EN FLANCO (EN INCIDENCIA)



	↑	Utilizar un sustrato más resistente al desgaste (S)
(MT)CVD / PVD	+ +	Cualquier recubrimiento (el factor decisivo es la resistencia a la oxidación – α Al_2O_3)
f	↓	Incrementar el avance (especialmente si está por debajo de 0.1 mm)
V	↓	Reducir la velocidad de corte
a_p	↓	Mínimo efecto
	↑	Utilizar otra (más positiva) geometría de corte
	+ +	Usar refrigerante o incrementar su intensidad

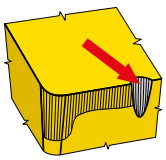
DEFORMACIÓN PLÁSTICA

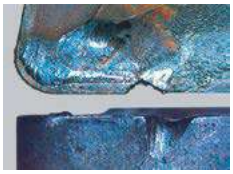




	↑	Utilizar un sustrato más resistente al desgaste (el factor decisivo es el contenido en Co)
(MT)CVD / PVD	+	Cualquier recubrimiento (el factor decisivo es la fricción)
f	↓	Reducir el avance
V	↓	Reducir la velocidad de corte
a_p	↓	Mínimo efecto
	↑	Utilizar otra (más positiva) geometría de corte
	+ +	Usar refrigerante o incrementar su intensidad

ENTALLA LATERAL - REMEDIO

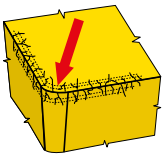




	↑ ↓	Depende del caracter del problema (abrasivo - usar un sustrato más resistente al desgaste; rotura - usar un sustrato más tenaz)
(MT)CVD / PVD	+ +	Recubrimiento CVD (el factor decisivo es la resistencia a la oxidación – α Al_2O_3)
f	↓	El avance influye en la intensidad, pero menos que la velocidad de corte
V	↓	Reducir la velocidad de corte
a_p	↑↓	Utilizar una profundidad de corte desigual
	↓	Utilizar una geometría de corte menos positiva
	+	Usar refrigerante o incrementar su intensidad
		Utilizar una herramienta con menor ángulo de posición

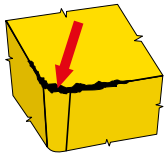
TIPOS DE DESGASTE DE LAS PLAQUITAS DE TORNEADO

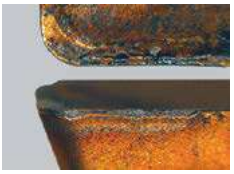
MICRO-FISURAS



	↓	El sustrato (H) tiene un papel muy importante
(MT)CVD / PVD	+ +	Se recomienda recubrimiento PVD
f	↓	El avance influye en la intensidad, pero menos que la velocidad de corte
v	↓	Menor velocidad significa menor temperatura
a_p		No influye
	↓	Utilizar una geometría de corte menos positiva
	- - -	Sin refrigeración (se puede utilizar aire para evacuar virutas de la zona de corte)

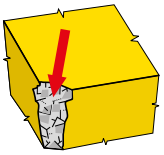
ASTILLAMIENTO DEL FILO DE CORTE





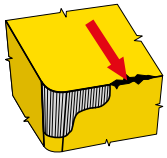
	↓	El sustrato (H) tiene un papel muy importante
(MT)CVD / PVD	+	Se recomienda recubrimiento PVD
f	↓	Es muy importante una rotura de virutas correcta
v	↑↓	Influye en la rotura de virutas y las vibraciones
a_p	↓	Reduce la carga mecánica en el filo de corte (importante cuando se mecaniza con voladizos largos)
	↓	Utilizar una geometría de corte menos positiva
		No influye
		Mejorar las condiciones de trabajo, reducir el avance al inicio del corte

ROTURA DE PLAQUITA



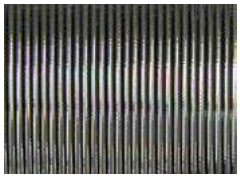
	↓	El sustrato (H) tiene un papel muy importante
(MT)CVD / PVD	+	Se recomienda recubrimiento PVD
f	↓	Reduce la carga mecánica en el filo de corte
v	↑↓	Influye en la evacuación de viruta y vibraciones
a_p	↓	Reduce la carga mecánica en el filo de corte
	↓	Utilizar una geometría de corte menos positiva
		No influye
		Mejorar las condiciones de trabajo

DESPRENDIMIENTO DEL FILO POR MARTILLEO DE VIRUTAS



	↓	El sustrato (H) tiene un papel muy importante
	+	Se recomienda recubrimiento PVD
	↑↓	Es muy importante una rotura de virutas correcta
	↑↓	Influye en la rotura de virutas y las vibraciones
	↑↓	Es muy importante una rotura de virutas correcta
	↓	Utilizar una geometría de corte menos positiva
		No tiene influencia
		El problema es una mala rotura de virutas, evacuacion de virutas o arranque de viruta

MALA CALIDAD DE LA SUPERFICIE



Descripción y causa:

Las causas son diversas, en función del material de la pieza de trabajo, las condiciones de corte (avance y velocidad de corte), la condición del filo de corte, la extensión y el tipo de desgaste, la condición y la rigidez de la pieza de trabajo mecanizada.

- elección incorrecta de herramienta
- espesor de viruta inadecuado
- velocidad de corte inadecuada
- se necesita refrigerante
- velocidad de avance alta

Solución del problema:

- utilizar una plaquita rascadora (wiper)
- utilizar plaquita de corte con la geometría adecuada
- reducir la velocidad de avance
- cambiar (normalmente aumentar) la velocidad de corte
- utilizar un refrigerante
- mejorar la estabilidad de la herramienta y la pieza de trabajo
- cambiar la sección transversal de la viruta
- seleccionar un rompevirutas que corte con más facilidad
- aumentar el radio de punta

VIBRACIONES

Descripción y causa:

Son muy frecuentes. Los principales motivos son el desequilibrio de la pieza de trabajo o la herramienta, la estabilidad de la pieza de trabajo, las fuerzas de corte elevadas o el voladizo de la herramienta.

Solución del problema:

- mejorar la estabilidad de la herramienta y la pieza de trabajo
- reducir la profundidad de corte
- minimizar el voladizo de la herramienta
- reducir la velocidad de corte
- utilizar una herramienta con un ángulo de posición mas pequeño
- reducir la sección transversal de la viruta
- utilizar una herramienta con una baja resistencia de corte
- aumentar la velocidad de avance
- seleccionar un rompevirutas que corte con más facilidad
- aumentar el radio de punta

REBABAS

Descripción y causa:

Suelen aparecer en el mecanizado de aceros blandos y materiales plásticos.

Solución del problema:

- utilizar una plaquita de corte con filo de corte afilado
- utilizar una plaquita de corte con geometría positiva
- utilizar una herramienta con un ángulo de posición mas pequeño

ERRORES EN DIMENSIONES Y FORMA DE LA PIEZA

Descripción y causa:

Depends on a number of factors.

Solución del problema:

- utilizar una plaquita de corte resistente al desgaste
- mejorar la estabilidad de la herramienta y la pieza de trabajo, minimizar el voladizo
- utilizar una pieza de trabajo con un margen de mecanizado adecuado

FORMACIÓN INADECUADA DE VIRUTA

Descripción y causa:

Una forma adecuada de la viruta es un criterio importante, igual que la durabilidad (vida útil de la herramienta). El material de la pieza de trabajo, el avance, la profundidad de corte y la geometría de corte adecuada (rompevirutas) afectan a la formación correcta de las virutas. Una viruta larga es inaceptable, pero una viruta demasiado corta (triturada) tampoco es deseable, ya que indica una sobrecarga del filo y causa vibraciones.

Solución del problema:

- cambiar el avance y la profundidad de corte
- utilizar una geometría de corte más adecuada
- cambiar las condiciones de corte

COMPROBAR EL ESTADO DEL ASIENTO DE LA PLAQUITA

Antes de montar una plaquita nueva o cambiar el filo de corte, es necesario limpiar el asiento y comprobar el estado de la plaquita de apoyo, especialmente la esquina que está bajo el filo de corte.

COMPROBAR EL MANTENIMIENTO DE LOS ELEMENTOS DE FIJACIÓN

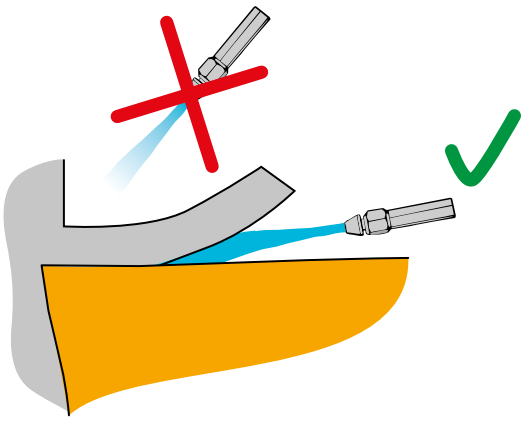
Compruebe los elementos de fijación: palancas de fijación, tornillos, cuñas, abrazaderas. Utilice solo piezas sin daños, utilice solo las piezas originales que se encuentran en el catálogo. Lubrique regularmente las roscas y las superficies de unión de los tornillos, por ejemplo, con un lubricante resistente al calor (Molyko G). Para el montaje y el desmontaje, utilice solo los destornilladores y las llaves recomendados en nuestro catálogo por el fabricante de la herramienta. Preste atención al apriete adecuado (proporcional), se recomiendan llaves dinamométricas.

COMPROBAR EL APRIETE

Antes de apretar, comprobar la forma en que la plaquita asienta en el portaherramientas, tanto en la superficie plana bajo el filo como en las paredes axial y radial del asiento. Herramientas y plaquitas deben estar siempre limpias y sin daños.

Material mecanizado: la influencia del entorno de corte aumenta con el empeoramiento de la maquinabilidad del material de la pieza.
Calidad del material de corte: la influencia del entorno de corte aumenta con el incremento de la tenacidad (contenido de Co). La refrigeración no se recomienda para el mecanizado de alta velocidad, por ejemplo para el mecanizado con CBN y cerámica.
Avance: el aumento del avance incrementa la contribución del fluido de corte a la vida útil de la herramienta.
Velocidad de corte (específica del material mecanizado): cuanto mayor sea la velocidad de corte, más importante será el efecto refrigerante del fluido de corte y, por el contrario, cuanto menor sea la velocidad de corte, más importante será el efecto lubricante del fluido de corte.

El suministro de fluido es también uno de los criterios que más afecta a la economía y productividad del proceso de corte. En una situación ideal, el fluido puede suministrarse tanto en la cara como en el flanco de la herramienta. El suministro de fluido de corte desde el flanco solo afecta a la vida útil de la herramienta. Mientras que el suministro de fluido desde la cara de la herramienta puede, en algunos casos, facilitar la formación de virutas (especialmente en el caso de la refrigeración por alta presión). Si solo es posible una de las alternativas, el tipo de desgaste indicará la dirección correcta. Si las plaquitas están desgastadas en el flanco, intente introducir el fluido desde abajo, es decir, hacia el flanco de la plaquita. Si se forma un cráter, el fluido debe dirigirse a la cara de la herramienta (debajo de la viruta, no a su raíz).



FÓRMULAS PARA EL CÁLCULO DE LOS PARÁMETROS DE CORTE

Value	Formula	Unit	Note
Número de revoluciones	$n = \frac{v_c \cdot 1000}{D \cdot \pi}$	[rpm]	n Número de revoluciones [rpm] D Diâmetro (de herramienta o pieza de trabajo) [mm] v_c Velocidad de corte [m/min] f_{rev} Avance por revolución [mm/rot] f_{min} Avance por minuto (Velocidad de avance lineal) [mm/min]
Velocidad de corte	$v_c = \frac{\pi \cdot D \cdot n}{1000}$	[m/min]	
Avance por revolución	$f_{rev} = \frac{f_{min}}{n}$	[mm/rot]	
Avance por minuto	$f_{min} = v_f = f_{rev} \cdot n$	[mm/min]	
Altura máx. del perfil R_{max}	$R_{max} = \frac{125 \cdot f_{rev}^{\ 2}}{RE}$	[mm]	R_{max} Altura máx. del perfil [mm] R_a Acabado de superficie [mm] f_{rev} Avance por revolución [mm/rot] RE Radio de la punta [mm]
Acabado superficial R_a	$R_a = \frac{43{,}9 \cdot f_{rev}^{\ 1{,}88}}{RE^{\ 0{,}97}}$	[mm]	
Sección transversal de viruta	$A = f_{rev} \cdot a_p$	[mm²]	A Sección transversal de viruta [mm²] f_{rev} Avance por revolución [mm/rev] a_p Profundidad de corte axial [mm] κ_r Ángulo de posicionamiento del filo principal [°] h Espesor de viruta [mm] v_c Velocidad de corte [m/min] f_{min} Avance por minuto (Velocidad de avance lineal) [mm/min] Q Tasa de arranque de material por minuto [cm³/min] $INSD$ Diámetro de la plaquita (mm)
Espesor de viruta	$h = f_{rev} \cdot \sin \kappa_r$	[mm]	
Espesor de viruta	$h = f_{rev} \cdot \sqrt{\frac{a_p}{INSD}}$	[mm]	
Caudal de Viruta	$Q = a_p \cdot f_{rev} \cdot v_c$	[cm³/min]	
Consumo de potencia	$P_c = \frac{a_p \cdot f_{rev}^{\ 1-c} \cdot k_{c1} \cdot v_c \cdot k\kappa_r}{6 \cdot 10^4 \cdot \eta}$	[kW]	P_c Consumo de potencia [kW] a_p Profundidad de corte [mm] f_{rev} Avance [mm/rev] c KTV constante [1] k_c Fuerza de corte específica [MPa] $k_{\kappa r}$ κr constante de ángulo [1] η Eficiencia (normalmente η = 0,75) [1] x Constante de material mecanizado [1]
Demanda de energia aproximada	$P_c = \frac{a_p \cdot f_{rev} \cdot v_c}{x}$	[kW]	

Material	Acero	Fundición	Al
Coeficiente x	20	25	100

TORNILLO DE FIJACIÓN

Tipo de tornillo	Destornillador	Par de apriete (Nm)
28588	MA2-8304	0.8
28992	MA2-8304	0.8
416.1-832	PT-8002	3.6
5513 020-01	PT-8004	3.6
5513 020-03	PT-8001	0.8
5513 020-04	PT-8003	1.5
5513 020-05	PT-8001	0.8
5513 020-14	TX 225PLUS	8.5
5513 020-24	PT-8002	1.5
5513 020-27	PT-8000	0.6
5513 020-28	PT-8000	0.6
5513 021-03	DMN 3124	13
CS 8601-T09P	SDR T09P	1.7
CS 8601-T15P	SDR T15P	3.9
CS 8601-T20P	SDR T20P	6.4
CS 8601-T25P	SDR T25P	9.5
DVF 0573	PT-8002	1.5
DVF 2260	TX 215PLUS	3.6
DVF 3584	DMD 1650	0.6
DVF 3593	TX 207PLUS	0.8
HS 0408	HXK 3	5
HS 0520C	HXK 4	5
HS 0616C	HXK 5	8
HS 0620	HXK 5	6
HS 0620C	HXK 5	6
HS 0625	HXK 5	6
HS 0625C	HXK 5	6
HS 0630	HXK 5	6
HS 0825	HXK 6	10
HS 0830	HXK 6	10
HS 0835	HXK 6	10
HS 0840	HXK 8	11
HS 1030	HXK 8	8
HS 1060	HXK 6	10
HS 93	HXK 5	8
HS 94	HXK 5	8
HSI 1020	HXK 6	8
PS 0512	HXK 2	2
PS 0512-A	HXK 2	2
PS 0616	HXK 2,5	4
PS 12040	HXK 5	8
PS 6026-709P	SRD T09P	2

TORNILLO DE FIJACIÓN

Tipo de tornillo	Destornillador	Par de apriete (Nm)
PS 8290	HXK 2	2
SR 14	HXK 10	10
SR 85011-T15P	SDR T15P	5
SR 85017-T09P	SDR T09P	2
SR 85020-T15P	SDR T15P	3
SR 86025-T20P	SRD T20P	5
T20.037	DMD 1650	0.6
UP 0909-T09P	SRD T09P	2
UP 1515-T15P	SDR T15P	8
US 2505-T07P	SDR T07P	0.9
US 2506-T07P	SDR T07P	0.9
US 3007-T09P	SDR T09P	2
US 34	HXK 3	5
US 35	HXK 4	6
US 3508-T15P	SDR T15P	3
US 3510A-T15P	SDR T15P	3
US 3510-T15P	SDR T15P	3
US 3512A-T15P	SDR T15P	3
US 3512-T15P	SDR T15P	3
US 36	HXK 4	6
US 38	HXK 5	8
US 39	HXK 5	8
US 40	HXK 4	6
US 4008-T15P	SDR T15P	3.5
US 4011-T15P	SDR T15P	3.5
US 41	HXK 4	6
US 42	HXK 4	6
US 45013-T20P	SDR T20P	5
US 4512-T15P	SDR T15P	5
US 4514A-T20	SDR T20	5
US 46	HXK 3	5
US 46017-T20P	SDR T20P	5
US 47	HXK 5	8
US 5012-T15P	SDR T15P	5
US 5015-T20P	SDR T20P	5
US 5018-T20P	SDR T20P	5
US 6020-T25P	SDR T25P	6
US 64518-T15P	SDR T15P	5
US 8025-T30P	SDR T20P	13
US 83	HXK 4	6
US 95	HXK 4	10

DESTORNILLADORES DINAMOMÉTRICOS

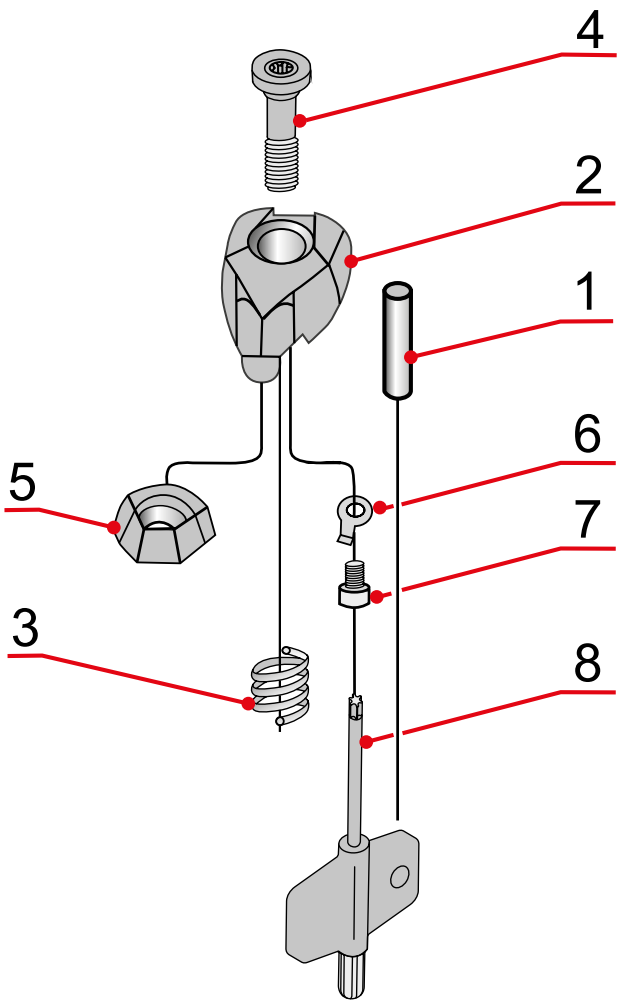
Mango de apriete	Par de apriete (Nm)	Rosca del tornillo de apriete
MR-0.8-2.0 vario	0.5 – 2.0	M 2 – M 3
MR-1.0-5.0 vario	0.8 – 5.0	M 2.5 – M 5
MR-0.9 fix	0.9	M 2
MR-2.0 fix	2.0	M 3
MR-3.0 fix	3.0	M 3.5
MR-3.5 fix	3.5	M 4
MR-5.0 fix	5.0	M 5

VÁSTAGOS SUSTITUIBLES

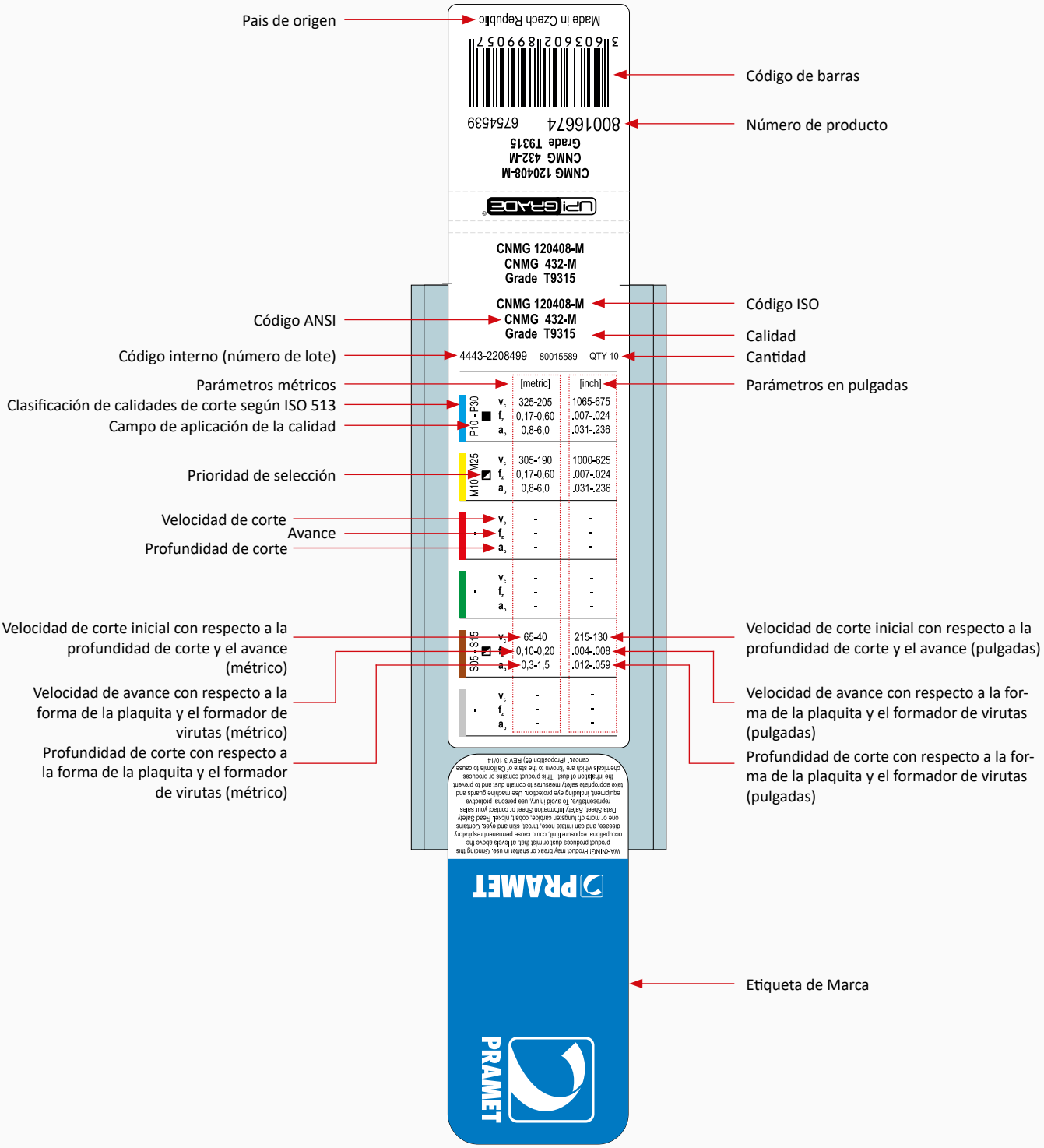
Vástagos sustituibles		
D-T6	**D-T8**	**D-T15**
D-T6P	**D-T8P**	**D-T15P**
D-T7	**D-T9**	**D-T20**
D-T7P	**D-T9P**	**D-T20P**

LUBRICACIÓN DE TORNILLOS

Los tornillos de fijación de las plaquitas están sometidos a tensiones térmicas elevadas. Se recomienda lubricar todos los tornillos con una pasta de alta calidad como MOLYCOTE 1000.



	1	2	3	4		5	6	7	8
					Nm				
DCS 09	CP 2655	CD 09	PR 0157	CS 8601-T09P	1.7	–	–	–	–
DCS 12	CP 2607	CD 12	PR 0158	CS 8602-T15P	3.9	–	–	–	–
DCS 16	CP 2607	CD 16	PR 0159	CS 8603-T20P	6.4	–	–	–	–
DCS 19	CP 2607	CD 19	PR 0159	CS 8603-T20P	6.4	–	–	–	–
DCS 25	CP 2607	CD 25	PR 0101	CS 8604-T25P	9.5	–	–	–	–
DCS 16V	CP 2607	CD 16V	PR 0158	CS 8602-T15P	3.9	–	–	–	–
DCS 12C2	CP 2607	CD 12C2	PR 0158	CS 8602-T15P	3.9	PP 3002	H 1201	CS 9701-T07P	FLAG T07P
DCS 16C2	CP 2607	CD 16C2	PR 0159	CS 8603-T20P	6.4	PP 3003	H 1201	CS 9701-T07P	FLAG T07P
DCS 12C4	CP 2607	CD 12C4	PR 0158	CS 8602-T15P	3.9	PP 3002	H 1201	CS 9701-T07P	FLAG T07P
DCS 16C4	CP 2607	CD 16C4	PR 0159	CS 8603-T20P	6.4	PP 3003	H 1201	CS 9701-T07P	FLAG T07P


Pais de origen
Made in Czech Republic
3160360289905 7
Código de barras
8001667 4 6754539
Número de producto
Grade T9315
CNMG 432-M
CNMG 120408-M
CNMG 120408-M
CNMG 432-M
Grade T9315
Código ANSI
CNMG 120408-M
CNMG 432-M
Grade T9315
Código ISO
Calidad
Código interno (número de lote)
4443-2208499 80015589 QTY 10
Cantidad
Parámetros métricos
[metric] [inch]
Parámetros en pulgadas
Clasificación de calidades de corte según ISO 513
Campo de aplicación de la calidad
P10 - P30
325-205 1065-675
0,17-0,60 .007-.024
0,8-6,0 .031-.236
Prioridad de selección
M10 - M25
305-190 1000-625
0,17-0,60 .007-.024
0,8-6,0 .031-.236
Velocidad de corte
Avance
Profundidad de corte
Velocidad de corte inicial con respecto a la profundidad de corte y el avance (métrico)
Velocidad de avance con respecto a la forma de la plaquita y el formador de virutas (métrico)
Profundidad de corte con respecto a la forma de la plaquita y el formador de virutas (métrico)
S05 - S15
65-40 215-130
0,10-0,20 .004-.008
0,3-1,5 .012-.059
Velocidad de corte inicial con respecto a la profundidad de corte y el avance (pulgadas)
Velocidad de avance con respecto a la forma de la plaquita y el formador de virutas (pulgadas)
Profundidad de corte con respecto a la forma de la plaquita y el formador de virutas (pulgadas)
PRAMET
Etiqueta de Marca

SIMPLY RELIABLE

Como profesional se puede juzgar la calidad del trabajo sólo mirarando la viruta. Nuestra viruta es una forma limpia y sin complicaciones que en sí misma cuenta una historia. Es una señal clara y consistente y es por eso que la usamos como un símbolo por ser **Simplemente Fiables**.

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