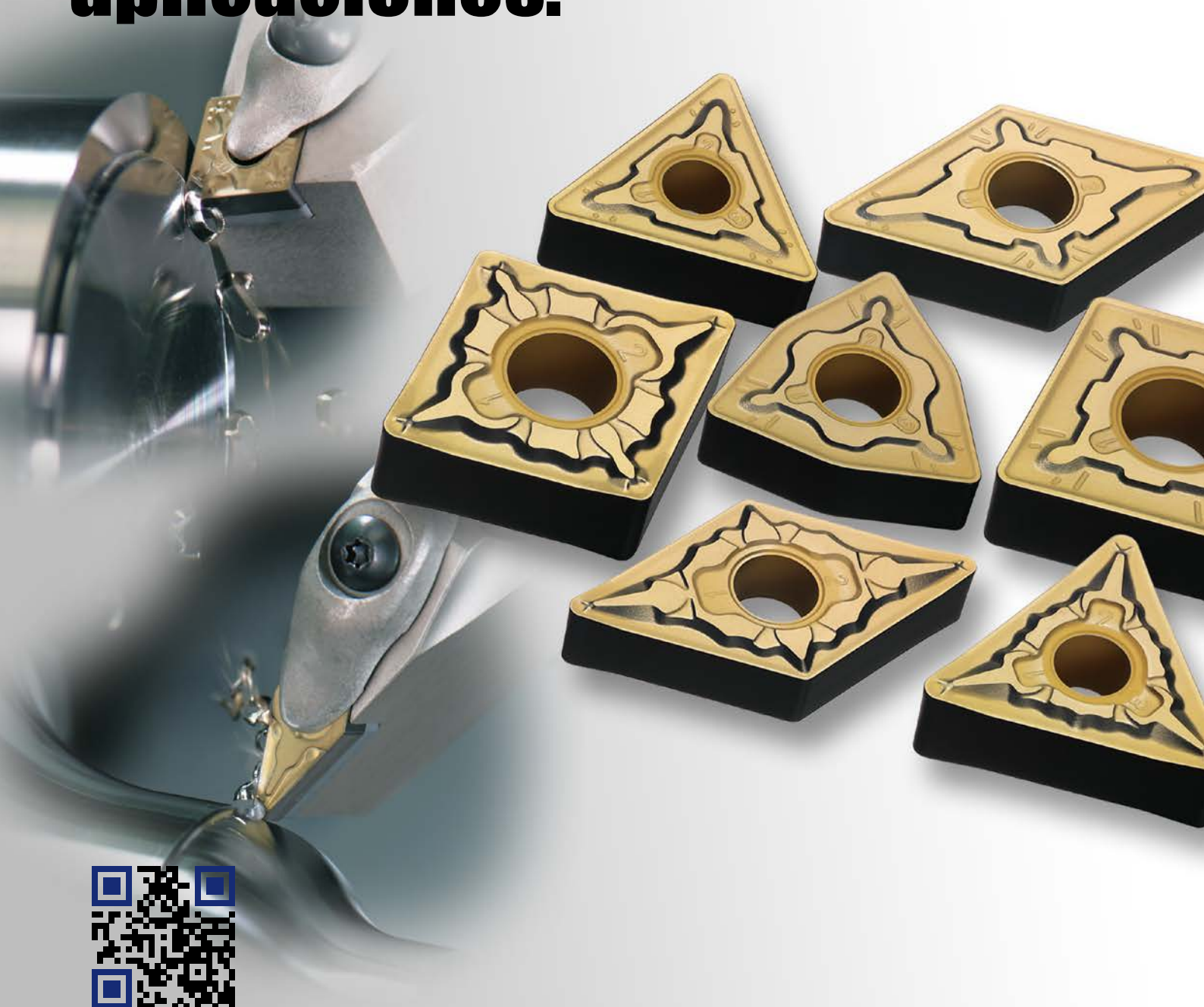


Recubrimiento de CVD para torneado de acero

UE6110

Ampliación
gama

Excelente estabilidad para una amplia gama de aplicaciones.



Recubrimiento de CVD para torneado de acero

UE6110

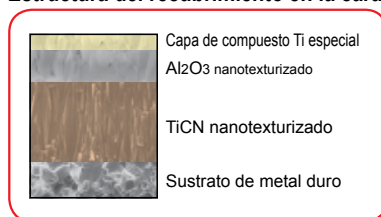
Características

Excelente rendimiento en el mecanizado gracias a la tecnología 2 en 1

Elevada resistencia al desgaste del cráter

El recubrimiento amarillo y Ti en la cara inclinada muestra una resistencia al desgaste excepcionalmente elevada. Esta capa de recubrimiento exterior incrementa la resistencia al desgaste de la nanotextura de Al₂O₃, haciéndola más adecuada para el mecanizado de alta velocidad y alto rendimiento.

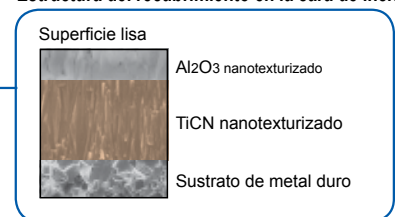
Estructura del recubrimiento en la cara inclinada



Elevada resistencia al desgaste de la cara de incidencia

El recubrimiento de color negro de la cara de incidencia tiene una superficie extremadamente lisa, lo que impide tanto el desgaste anormal como el astillado. Lo que combinado con un recubrimiento nanotexturizado mejora los acabados de superficie y proporciona una vida útil más estable de la herramienta.

Estructura del recubrimiento en la cara de incidencia



Comparación en el desgaste del cráter

Placa : CNMG120408-MA
Material de trabajo : 40NiCrMo22
Condiciones de corte : Velocidad de corte 250 m/min, avance 0,3 mm/rev,
Profundidad de corte : 1,5 mm, corte seco, tiempo de corte 7 min.

Con una capa de compuesto Ti




Desgaste menor del cráter

Sin capa de compuesto Ti



Desgaste elevado del cráter

Comparación de desgaste de la cara de incidencia

Placa : CNMG120408-
Material : 42Cr4
Condiciones de corte : Velocidad de corte 200m/min, avance 0,3 mm/rev
Profundidad de corte : 1,5 mm, Corte seco, tiempo de corte 2 min

UE6110



Desgaste estable, liso

Competencia



Desgaste irregular, rugoso

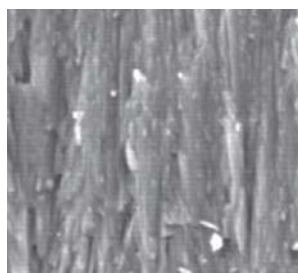
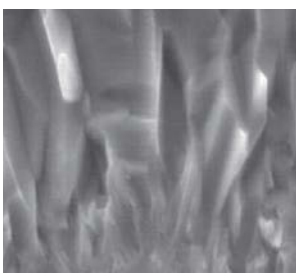
Recubrimiento de última generación con tecnología 2 en 1

1 Nuevo "recubrimiento nanotexturizado"

La exclusiva tecnología del nuevo recubrimiento de Mitsubishi Materials se compone de una nanotextura de TiCN y Al₂O₃ y ofrece un recubrimiento con una alta resistencia al desgaste y a la rotura.

Comparación de microestructura cristalina

Recubrimiento convencional Recubrimiento nanotexturizado



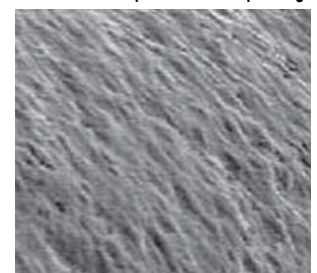
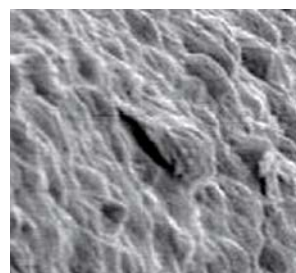
Incluso a nivel de nanotextura los granos cuentan con un alto nivel de refinado

2 Nueva "capa uniforme super-Negra"

Una superficie de recubrimiento extremadamente lisa evita la propagación del desgaste durante el mecanizado para conseguir unos acabados de superficie de alta calidad, además de evitar el fundido y el astillado.

Comparación de la superficie de recubrimiento

Recubrimiento convencional Recubrimiento capa uniforme Super-Negra



Tecnología 2 en 1 para conseguir un corte estable con elevada resistencia al desgaste y a la rotura.

Gama de aplicaciones

UE6110 es la primera recomendación para torneado de acero. Es perfecta para el mecanizado de aceros dulces, aceros al carbono, aceros de aleación, acero para cojinetes y aceros exentos de plomo.

Gama de aplicaciones	
ISO	Acero
P01	UE6105
P10	UE6110
P20	ML6025
P30	UE6020
P40	UE6035
	UE6400

Sistema rompevirutas para corte de acero (placas negativas)

Aplicación	Tolerancia	Rompevirutas	Características	Geometría de sección transversal
Corte ligero	M	NEW LP	Primera recomendación para corte ligero de acero al carbono y acero aleado Control de viruta estable en la gama de corte ligero. El filo curvado permite una perfecta evacuación de virutas.	
Corte medio	M	NEW MP	Primera recomendación para corte medio de acero al carbono y acero aleado Apto para corte medio a ligero. Geometría del rompevirutas óptima para copiar y torneado hacia atrás. La geometría del filo de corte permite un equilibrio óptimo entre afilado y resistencia a la rotura.	
Corte rugoso	M	NEW RP	Primera recomendación para corte rugoso de acero al carbono y acero aleado Para cortes interrumpidos y para eliminar incrustaciones. Equilibrio óptimo entre la rigidez del filo de corte y la resistencia de corte baja gracias a un ángulo de incidencia adecuado.	

Sistema rompevirutas para corte de acero (placas positivas)

Aplicación	Tolerancia	Rompevirutas	Características	Geometría de sección transversal
Corte acabado	M	NEW FP	Primera recomendación para corte acabado de acero al carbono y acero aleado La protuberancia en la punta del rompevirutas controla que las virutas sean regulares a pequeñas profundidades de corte. Evita que las virutas se fundan en la placa garantizando un buen acabado de la superficie. El rompevirutas optimizado ofrece un amplio control de las virutas.	
Corte ligero	M	NEW LP	Primera recomendación para corte ligero de acero al carbono y acero aleado Excelente afilado del filo de corte debido al gran ángulo de incidencia. Evita que las virutas se fundan en la placa garantizando un buen acabado de la superficie. El rompevirutas optimizado ofrece un amplio control de las virutas.	
Corte medio	M	NEW MP	Primera recomendación para corte medio de acero al carbono y acero aleado La parte plana cuenta con una excelente resistencia al desgaste y una resistencia superior a la rotura. El rompevirutas ancho reduce la vibración y los atascos de virutas y también previene el aumento de la resistencia al corte incluso en cortes de gran profundidad.	

Selección óptima de placas para torneado

P Acero dulce, acero al carbono, acero aleado.
PLACAS NEGATIVAS

	Corte acabado	Corte ligero	Corte medio	Corte desbaste	Corte fuerte
●	FH AP25N	LP UE6105	MP UE6105	RP UE6105	HX UE6110
◐	FH MP3025	LP UE6110	MP UE6110	RP UE6110	HX UE6020
⊕	FH UE6110	LP MC6025	MP MC6025	RP MC6025	HX UH6400

PLACAS POSITIVAS DE 7° CON AGUJERO

	Corte acabado	Corte ligero	Corte medio
●	FP NX2525	LP NX2525	MP NX2525
◐	FP UE6110	LP UE6110	MP UE6110
⊕	FP MC6025	LP MC6025	MP MC6025

PLACAS POSITIVAS DE 11° CON AGUJERO

	Corte acabado	Corte ligero	Corte medio
●	R-R/L NX2525	Estándar NX2525	Estándar NX2525
◐	R-R/L NX2525	Estándar UE6110	Estándar UE6110
⊕	R-R/L UTi20T	Estándar UE6020	Estándar UE6020

CONDICIONES DE CORTE

- Corte estable
Corte continuo
Profundidad de corte constante
Pre-mecanizado
Componentes bien sujetos
- ◐ Corte general
- ⊕ Corte inestable
Corte pesado interrumpido
Profundidad de corte irregular
Baja rigidez de sujeción

CONDICIONES DE CORTE RECOMENDADAS

Placas negativas

Material de trabajo	Dureza	Tipo de corte		Rompevirutas	Velocidad de corte (m/min)	Avance (mm/rev)	Profundidad de corte (mm)
Acero al carbono, acero de aleación (Ck45, 41CrMo4)	180–280HB	Corte general	Corte acabado	FH	230–390	0.08–0.20	0.20–1.00
		Corte general	Corte ligero	LP	210–355	0.10–0.40	0.30–2.00
		Corte general		SH	210–355	0.10–0.40	0.30–2.00
		Corte general		SA	210–355	0.10–0.40	0.30–2.00
		Corte general		SW	210–355	0.10–0.50	0.30–2.50
		Corte general		Corte medio	MP	190–325	0.16–0.50
		Corte general	MA		190–325	0.20–0.50	0.30–4.00
		Corte general	MH		190–325	0.20–0.55	1.00–4.00
		Corte general	Std		190–325	0.25–0.60	1.50–5.00
		Corte general	MW		190–325	0.20–0.60	0.90–4.00
		Corte general	Corte desbaste	RP	180–310	0.25–0.60	1.50–6.00
		Corte general		GH	180–310	0.25–0.60	1.50–6.00
		Corte estable	Corte fuerte	HX	160–275	0.50–1.26	3.00–11.00
		Corte estable		HV	135–275	0.70–1.30	4.00–12.00
		Corte general		HZ	160–275	0.40–1.20	2.00–10.00

Placas positivas, 5°/7°.

Material de trabajo	Dureza	Tipo de corte		Rompevirutas	Velocidad de corte (m/min)	Avance (mm/rev)	Profundidad de corte (mm)
Acero dulce (Ck15, Ck25)	≤180HB	Corte general	Corte acabado	FP	250–425	0.04–0.20	0.20–0.90
		Corte general	Corte ligero	LP	250–425	0.06–0.25	0.20–1.00
		Corte general	Corte medio	MP	205–350	0.08–0.30	0.30–2.00
Acero al carbono, acero aleado (Ck45, 41CrMo4)	180–280HB	Corte general	Corte acabado	FP	185–310	0.04–0.20	0.20–0.90
		Corte general	Corte ligero	LP	185–310	0.06–0.25	0.20–1.00
		Corte general	Corte medio	MP	150–260	0.08–0.30	0.30–2.00
Acero al carbono, acero aleado(40NiCrMo6)	280–350HB	Corte general	Corte medio	MP	110–185	0.08–0.30	0.30–2.00

Placas positiva, 11°

Material de trabajo	Dureza	Tipo de corte		Rompevirutas	Velocidad de corte (m/min)	Avance (mm/rev)	Profundidad de corte (mm)
Acero dulce (Ck15, Ck25)	≤180HB	Corte general	Corte medio	Estándar	205–350	0.08–0.30	0.30–2.00
Acero al carbono, acero aleado (Ck45, 41CrMo4)	180–280HB	Corte general	Corte medio	Estándar	150–260	0.08–0.30	0.30–2.00
Fundición (GG30)	≤350MPa	Corte general	Corte medio	—	130–200	0.08–0.30	0.30–2.00
	≤450MPa	Corte general	Corte medio	—	120–190	0.08–0.30	0.30–2.00
	≤800MPa	Corte general	Corte medio	—	105–170	0.08–0.30	0.30–2.00

UE6110

PLACAS

● Placas negativas (con agujero)


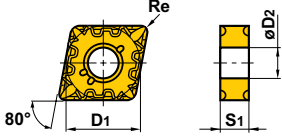

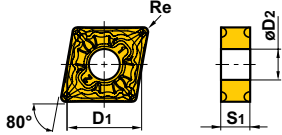

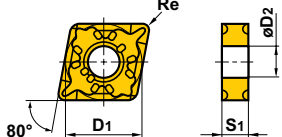

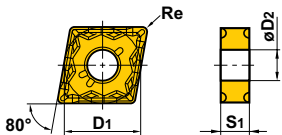

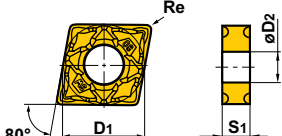

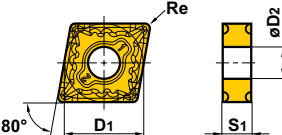

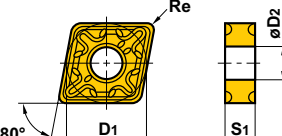

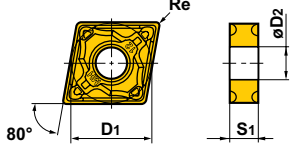

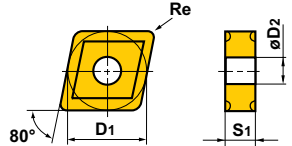

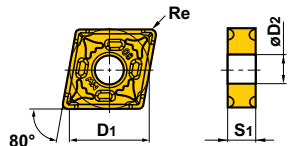

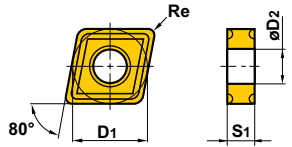

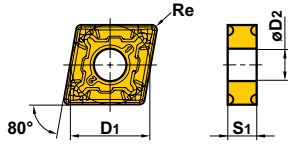

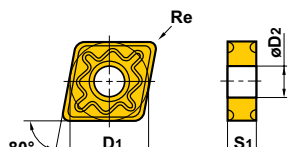
Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte acabado	CNMG120402-FH	●	12.7	4.76	0.2	5.16	
	120404-FH	●	12.7	4.76	0.4	5.16	
	120408-FH	●	12.7	4.76	0.8	5.16	
 Corte ligero	CNMG120404-LP	●	12.7	4.76	0.4	5.16	
	120408-LP	●	12.7	4.76	0.8	5.16	
	120412-LP	●	12.7	4.76	1.2	5.16	
 Corte ligero	CNMG09T304-SH	●	9.525	3.97	0.4	3.81	
	09T308-SH	●	9.525	3.97	0.8	3.81	
	120404-SH	●	12.7	4.76	0.4	5.16	
	120408-SH	●	12.7	4.76	0.8	5.16	
	120412-SH	●	12.7	4.76	1.2	5.16	
 Corte ligero	CNMG120404-SA	●	12.7	4.76	0.4	5.16	
	120408-SA	●	12.7	4.76	0.8	5.16	
	120412-SA	●	12.7	4.76	1.2	5.16	
 Corte ligero (Wiper)	CNMG120404-SW	●	12.7	4.76	0.4	5.16	
	120408-SW	●	12.7	4.76	0.8	5.16	
	120412-SW	●	12.7	4.76	1.2	5.16	
 Corte medio	CNMG120404-MP	●	12.7	4.76	0.4	5.16	
	120408-MP	●	12.7	4.76	0.8	5.16	
	120412-MP	●	12.7	4.76	1.2	5.16	
	120416-MP	●	12.7	4.76	1.6	5.16	
	160608-MP	●	15.875	6.35	0.8	6.35	
	160612-MP	●	15.875	6.35	1.2	6.35	
	160616-MP	●	15.875	6.35	1.6	6.35	
 Corte medio	CNMG120404-MA	●	12.7	4.76	0.4	5.16	
	120408-MA	●	12.7	4.76	0.8	5.16	
	120412-MA	●	12.7	4.76	1.2	5.16	
	120416-MA	●	12.7	4.76	1.6	5.16	
	160608-MA	●	15.875	6.35	0.8	6.35	
	160612-MA	●	15.875	6.35	1.2	6.35	
	160616-MA	●	15.875	6.35	1.6	6.35	
	190612-MA	●	19.05	6.35	1.2	7.93	
	190616-MA	●	19.05	6.35	1.6	7.93	

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
 Corte medio	CNMG120404-MH	●	12.7	4.76	0.4	5.16	
	120408-MH	●	12.7	4.76	0.8	5.16	
	120412-MH	●	12.7	4.76	1.2	5.16	
	120416-MH	●	12.7	4.76	1.6	5.16	
	160608-MH	●	15.875	6.35	0.8	6.35	
	160612-MH	●	15.875	6.35	1.2	6.35	
	160616-MH	●	15.875	6.35	1.6	6.35	
	190612-MH	●	19.05	6.35	1.2	7.93	
	190616-MH	●	19.05	6.35	1.6	7.93	
 Corte medio	CNMG090308	●	9.525	3.18	0.8	3.81	
	09T304	●	9.525	3.97	0.4	3.81	
	09T308	●	9.525	3.97	0.8	3.81	
	120404	●	12.7	4.76	0.4	5.16	
	120408	●	12.7	4.76	0.8	5.16	
	120412	●	12.7	4.76	1.2	5.16	
	120416	●	12.7	4.76	1.6	5.16	
	160608	●	15.875	6.35	0.8	6.35	
	160612	●	15.875	6.35	1.2	6.35	
	160616	●	15.875	6.35	1.6	6.35	
	190608	●	19.05	6.35	0.8	7.93	
	190612	●	19.05	6.35	1.2	7.93	
 Corte medio (Wiper)	CNMG120408-MW	●	12.7	4.76	0.8	5.16	
	120412-MW	●	12.7	4.76	1.2	5.16	
 Corte medio	CNMG090308-MS	●	9.525	3.18	0.8	3.81	
	09T308-MS	●	9.525	3.97	0.8	3.81	
	120404-MS	●	12.7	4.76	0.4	5.16	
	120408-MS	●	12.7	4.76	0.8	5.16	
	120412-MS	●	12.7	4.76	1.2	5.16	
 Corte desbaste	CNMG120408-RP	●	12.7	4.76	0.8	5.16	
	120412-RP	●	12.7	4.76	1.2	5.16	
	120416-RP	●	12.7	4.76	1.6	5.16	
	160612-RP	●	15.875	6.35	1.2	6.35	
	160616-RP	●	15.875	6.35	1.6	6.35	
	190612-RP	●	19.05	6.35	1.2	7.93	
	190616-RP	●	19.05	6.35	1.6	7.93	
 Corte desbaste	CNMG120408-GH	●	12.7	4.76	0.8	5.16	
	120412-GH	●	12.7	4.76	1.2	5.16	
	120416-GH	●	12.7	4.76	1.6	5.16	
	160612-GH	●	15.875	6.35	1.2	6.35	
	160616-GH	●	15.875	6.35	1.6	6.35	
	190612-GH	●	19.05	6.35	1.2	7.93	
190616-GH	●	19.05	6.35	1.6	7.93		

UE6110

PLACAS

● Placas negativas (con agujero)


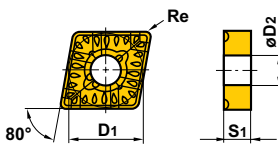

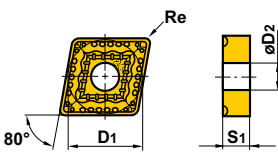

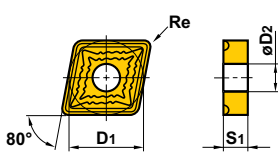

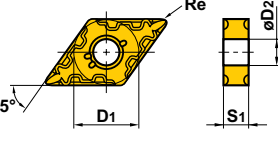

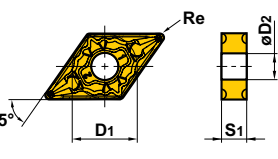

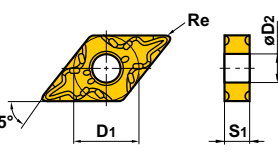

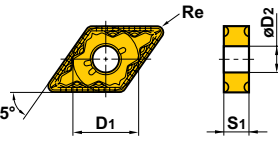

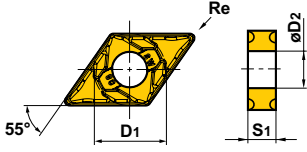

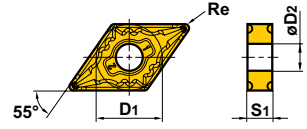

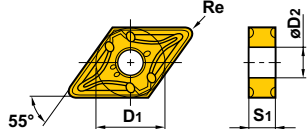

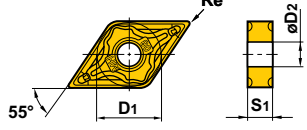

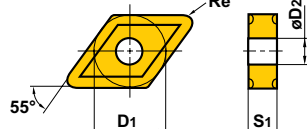

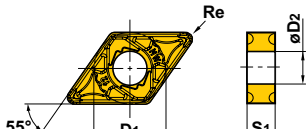

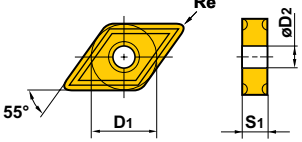

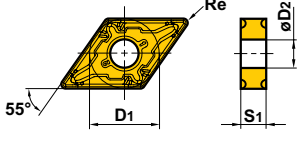
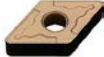
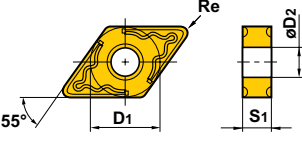

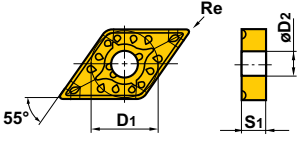

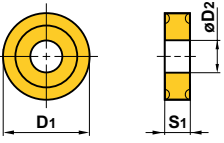

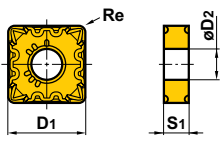

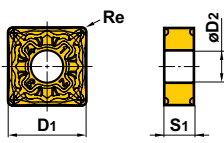

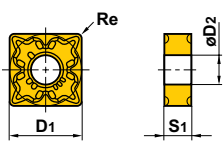
Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte fuerte	CNMM120408-HZ	●	12.7	4.76	0.8	5.16	
	120412-HZ	●	12.7	4.76	1.2	5.16	
	160612-HZ	●	15.875	6.35	1.2	6.35	
	160616-HZ	●	15.875	6.35	1.6	6.35	
	190612-HZ	●	19.05	6.35	1.2	7.93	
	190616-HZ	●	19.05	6.35	1.6	7.93	
 Corte fuerte	CNMM190612-HX	●	19.05	6.35	1.2	7.93	
	190616-HX	●	19.05	6.35	1.6	7.93	
	190624-HX	●	19.05	6.35	2.4	7.93	
	250924-HX	●	25.4	9.52	2.4	9.12	
 Corte fuerte	CNMM190616-HV	●	19.05	6.35	1.6	7.93	
	190624-HV	●	19.05	6.35	2.4	7.93	
	250924-HV	●	25.4	9.52	2.4	9.12	
 Corte acabado	DNMG150402-FH	●	12.7	4.76	0.2	5.16	
	150404-FH	●	12.7	4.76	0.4	5.16	
	150408-FH	●	12.7	4.76	0.8	5.16	
	150602-FH	●	12.7	6.35	0.2	5.16	
	150604-FH	●	12.7	6.35	0.4	5.16	
	150608-FH	●	12.7	6.35	0.8	5.16	
 Corte ligero	NEW DNMG110404-LP	●	9.525	4.76	0.4	3.81	
	110408-LP	●	9.525	4.76	0.8	3.81	
	150404-LP	●	12.7	4.76	0.4	5.16	
	150408-LP	●	12.7	4.76	0.8	5.16	
	150412-LP	●	12.7	4.76	1.2	5.16	
	150604-LP	●	12.7	6.35	0.4	5.16	
	150608-LP	●	12.7	6.35	0.8	5.16	
	150612-LP	●	12.7	6.35	1.2	5.16	
 Corte ligero	DNMG110404-SH	●	9.525	4.76	0.4	3.81	
	110408-SH	●	9.525	4.76	0.8	3.81	
	150404-SH	●	12.7	4.76	0.4	5.16	
	150408-SH	●	12.7	4.76	0.8	5.16	
	150412-SH	●	12.7	4.76	1.2	5.16	
	150604-SH	●	12.7	6.35	0.4	5.16	
	150608-SH	●	12.7	6.35	0.8	5.16	
	150612-SH	●	12.7	6.35	1.2	5.16	
 Corte ligero	DNMG150404-SA	●	12.7	4.76	0.4	5.16	
	150408-SA	●	12.7	4.76	0.8	5.16	
	150412-SA	●	12.7	4.76	1.2	5.16	
	150604-SA	●	12.7	6.35	0.4	5.16	
	150608-SA	●	12.7	6.35	0.8	5.16	
	150612-SA	●	12.7	6.35	1.2	5.16	

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
 Corte ligero (Wiper)	DNMX150404-SW	●	12.7	4.76	0.4	5.16	
	150408-SW	●	12.7	4.76	0.8	5.16	
	150412-SW	●	12.7	4.76	1.2	5.16	
	150604-SW	●	12.7	6.35	0.4	5.16	
	150608-SW	●	12.7	6.35	0.8	5.16	
	150612-SW	●	12.7	6.35	1.2	5.16	
 Corte medio	DNMG150404-MP	●	12.7	4.76	0.4	5.16	
	150408-MP	●	12.7	4.76	0.8	5.16	
	150412-MP	●	12.7	4.76	1.2	5.16	
	150416-MP	●	12.7	4.76	1.6	5.16	
	150604-MP	●	12.7	6.35	0.4	5.16	
	150608-MP	●	12.7	6.35	0.8	5.16	
	150612-MP	●	12.7	6.35	1.2	5.16	
	150616-MP	●	12.7	6.35	1.6	5.16	
 Corte medio	DNMG110404-MA	●	9.525	4.76	0.4	3.81	
	110408-MA	●	9.525	4.76	0.8	3.81	
	110412-MA	●	9.525	4.76	1.2	3.81	
	150404-MA	●	12.7	4.76	0.4	5.16	
	150408-MA	●	12.7	4.76	0.8	5.16	
	150412-MA	●	12.7	4.76	1.2	5.16	
	150604-MA	●	12.7	6.35	0.4	5.16	
	150608-MA	●	12.7	6.35	0.8	5.16	
	150612-MA	●	12.7	6.35	1.2	5.16	
	150616-MA	●	12.7	6.35	1.6	5.16	
 Corte medio	DNMG150404-MH	●	12.7	4.76	0.4	5.16	
	150408-MH	●	12.7	4.76	0.8	5.16	
	150412-MH	●	12.7	4.76	1.2	5.16	
	150604-MH	●	12.7	6.35	0.4	5.16	
	150608-MH	●	12.7	6.35	0.8	5.16	
	150612-MH	●	12.7	6.35	1.2	5.16	
 Corte medio	DNMG110408	●	9.525	4.76	0.8	3.81	
	150404	●	12.7	4.76	0.4	5.16	
	150408	●	12.7	4.76	0.8	5.16	
	150412	●	12.7	4.76	1.2	5.16	
	150416	●	12.7	4.76	1.6	5.16	
	150604	●	12.7	6.35	0.4	5.16	
	150608	●	12.7	6.35	0.8	5.16	
	150612	●	12.7	6.35	1.2	5.16	
 Corte medio (Wiper)	DNMX150408-MW	●	12.7	4.76	0.8	5.16	
	150412-MW	●	12.7	4.76	1.2	5.16	
	150608-MW	●	12.7	6.35	0.8	5.16	
	150612-MW	●	12.7	6.35	1.2	5.16	


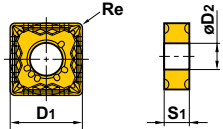

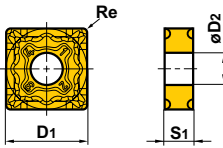

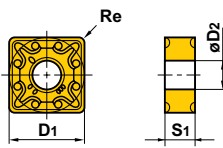

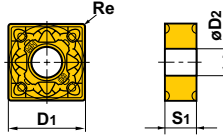

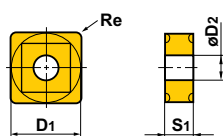

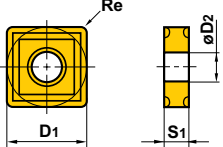

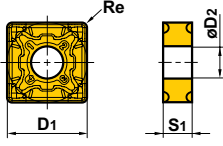
UE6110

PLACAS

● Placas negativas (con agujero)

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte medio	DNMG110408-MS	●	9.525	4.76	0.8	3.81	
	150404-MS	●	12.7	4.76	0.4	5.16	
	150408-MS	●	12.7	4.76	0.8	5.16	
	150412-MS	●	12.7	4.76	1.2	5.16	
	150604-MS	●	12.7	6.35	0.4	5.16	
	150608-MS	●	12.7	6.35	0.8	5.16	
	150612-MS	●	12.7	6.35	1.2	5.16	
 Corte desbaste	DNMG150408-RP	●	12.7	4.76	0.8	5.16	
	150412-RP	●	12.7	4.76	1.2	5.16	
	150416-RP	●	12.7	4.76	1.6	5.16	
	150608-RP	●	12.7	6.35	0.8	5.16	
	150612-RP	●	12.7	6.35	1.2	5.16	
	150616-RP	●	12.7	6.35	1.6	5.16	
 Corte desbaste	DNMG150408-GH	●	12.7	4.76	0.8	5.16	
	150412-GH	●	12.7	4.76	1.2	5.16	
	150608-GH	●	12.7	6.35	0.8	5.16	
	150612-GH	●	12.7	6.35	1.2	5.16	
 Corte fuerte	DNMG150408-HZ	●	12.7	4.76	0.8	5.16	
	150412-HZ	●	12.7	4.76	1.2	5.16	
	150608-HZ	●	12.7	6.35	0.8	5.16	
	150612-HZ	●	12.7	6.35	1.2	5.16	
 Corte medio	RNMG120400	●	12.7	4.76	—	5.16	
 Corte acabado	SNMG120404-FH	●	12.7	4.76	0.4	5.16	
	120408-FH	●	12.7	4.76	0.8	5.16	
 Corte ligero	SNMG120404-LP	●	12.7	4.76	0.4	5.16	
	120408-LP	●	12.7	4.76	0.8	5.16	
	120412-LP	●	12.7	4.76	1.2	5.16	
 Corte ligero	SNMG120404-SH	●	12.7	4.76	0.4	5.16	
	120408-SH	●	12.7	4.76	0.8	5.16	
	120412-SH	●	12.7	4.76	1.2	5.16	


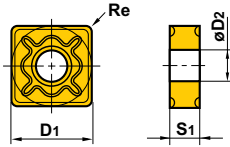

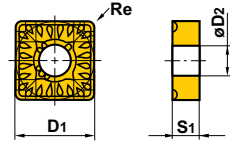

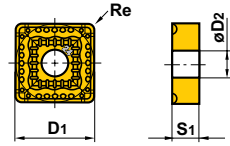

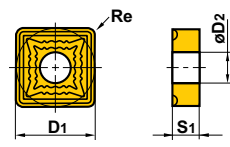

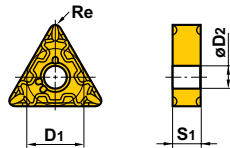

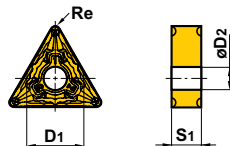

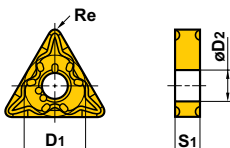

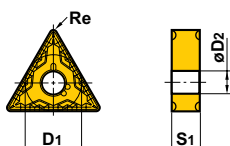
● : Existencia en Europa.

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
SA  Corte ligero	SNMG120404-SA	●	12.7	4.76	0.4	5.16	
	120408-SA	●	12.7	4.76	0.8	5.16	
	120412-SA	●	12.7	4.76	1.2	5.16	
MP  Corte medio	SNMG120404-MP	●	12.7	4.76	0.4	5.16	
	120408-MP	●	12.7	4.76	0.8	5.16	
	120412-MP	●	12.7	4.76	1.2	5.16	
MA  Corte medio	SNMG120404-MA	●	12.7	4.76	0.4	5.16	
	120408-MA	●	12.7	4.76	0.8	5.16	
	120412-MA	●	12.7	4.76	1.2	5.16	
	150608-MA	●	15.875	6.35	0.8	6.35	
	150612-MA	●	15.875	6.35	1.2	6.35	
	150616-MA	●	15.875	6.35	1.6	6.35	
	190612-MA	●	19.05	6.35	1.2	7.93	
190616-MA	●	19.05	6.35	1.6	7.93		
MH  Corte medio	SNMG120408-MH	●	12.7	4.76	0.8	5.16	
	120412-MH	●	12.7	4.76	1.2	5.16	
	190612-MH	●	19.05	6.35	1.2	7.93	
	190616-MH	●	19.05	6.35	1.6	7.93	
Estándar  Corte medio	SNMG090304	●	9.525	3.18	0.4	3.81	
	090308	●	9.525	3.18	0.8	3.81	
	120404	●	12.7	4.76	0.4	5.16	
	120408	●	12.7	4.76	0.8	5.16	
	120412	●	12.7	4.76	1.2	5.16	
	120416	●	12.7	4.76	1.6	5.16	
	150612	●	15.875	6.35	1.2	6.35	
	190612	●	19.05	6.35	1.2	7.93	
190616	●	19.05	6.35	1.6	7.93		
MS  Corte medio	SNMG120404-MS	●	12.7	4.76	0.4	5.16	
	120408-MS	●	12.7	4.76	0.8	5.16	
	120412-MS	●	12.7	4.76	1.2	5.16	
NEW RP  Corte fuerte	SNMG120408-RP	●	12.7	4.76	0.8	5.16	
	120412-RP	●	12.7	4.76	1.2	5.16	
	120416-RP	●	12.7	4.76	1.6	5.16	
	150612-RP	●	15.875	6.35	1.2	6.35	
	150616-RP	●	15.875	6.35	1.6	6.35	
	190612-RP	●	19.05	6.35	1.2	7.93	
	190616-RP	●	19.05	6.35	1.6	7.93	


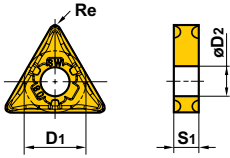

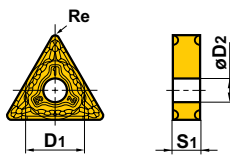

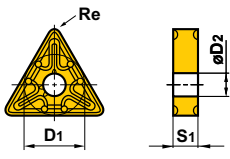

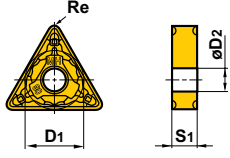

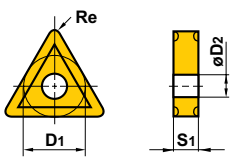

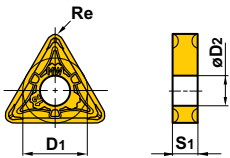
UE6110

PLACAS

● Placas negativas (con agujero)

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte desbaste	SNMG120408-GH	●	12.7	4.76	0.8	5.16	
	120412-GH	●	12.7	4.76	1.2	5.16	
	120416-GH	●	12.7	4.76	1.6	5.16	
	150612-GH	●	15.875	6.35	1.2	6.35	
	150616-GH	●	15.875	6.35	1.6	6.35	
	190612-GH	●	19.05	6.35	1.2	7.93	
	190616-GH	●	19.05	6.35	1.6	7.93	
 Corte fuerte	SNMM120408-HZ	●	12.7	4.76	0.8	5.16	
	120412-HZ	●	12.7	4.76	1.2	5.16	
	150612-HZ	●	15.875	6.35	1.2	6.35	
	190612-HZ	●	19.05	6.35	1.2	7.93	
	190616-HZ	●	19.05	6.35	1.6	7.93	
 Corte fuerte	SNMM190612-HX	●	19.05	6.35	1.2	7.93	
	190616-HX	●	19.05	6.35	1.6	7.93	
	190624-HX	●	19.05	6.35	2.4	7.93	
	250724-HX	●	25.4	7.94	2.4	9.12	
	250924-HX	●	25.4	9.52	2.4	9.12	
 Corte fuerte	SNMM190616-HV	●	19.05	6.35	1.6	7.93	
	190624-HV	●	19.05	6.35	2.4	7.93	
	250724-HV	●	25.4	7.94	2.4	9.12	
	250924-HV	●	25.4	9.53	2.4	9.12	
 Corte acabado	TNMG160402-FH	●	9.525	4.76	0.2	3.81	
	160404-FH	●	9.525	4.76	0.4	3.81	
	160408-FH	●	9.525	4.76	0.8	3.81	
 Corte ligero	TNMG160404-LP	●	9.525	4.76	0.4	3.81	
	160408-LP	●	9.525	4.76	0.8	3.81	
	160412-LP	●	9.525	4.76	1.2	3.81	
	220408-LP	●	12.7	4.76	0.8	5.16	
	220412-LP	●	12.7	4.76	1.2	5.16	
 Corte ligero	TNMG160404-SH	●	9.525	4.76	0.4	3.81	
	160408-SH	●	9.525	4.76	0.8	3.81	
	220408-SH	●	12.7	4.76	0.8	5.16	
 Corte ligero	TNMG160404-SA	●	9.525	4.76	0.4	3.81	
	160408-SA	●	9.525	4.76	0.8	3.81	
	160412-SA	●	9.525	4.76	1.2	3.81	
	220408-SA	●	12.7	4.76	0.8	5.16	
	220412-SA	●	12.7	4.76	1.2	5.16	


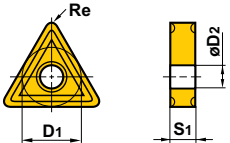

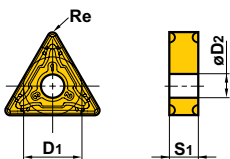

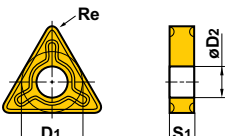

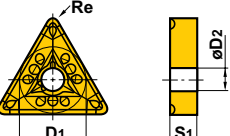

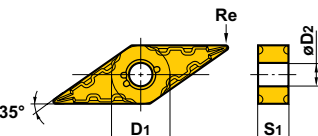

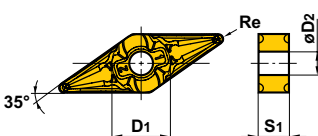

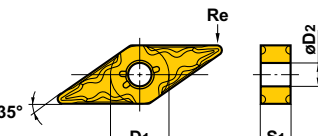

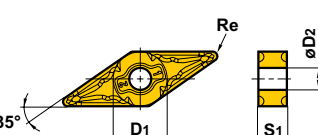
● : Existencia en Europa.

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
 Corte ligero (Wiper)	TNMX160404-SW	●	9.525	4.76	0.4	3.81	
	160408-SW	●	9.525	4.76	0.8	3.81	
 Corte medio	TNMG160404-MP	●	9.525	4.76	0.4	3.81	
	160408-MP	●	9.525	4.76	0.8	3.81	
	160412-MP	●	9.525	4.76	1.2	3.81	
	220408-MP	●	12.7	4.76	0.8	5.16	
	220412-MP	●	12.7	4.76	1.2	5.16	
 Corte medio	TNMG160404-MA	●	9.525	4.76	0.4	3.81	
	160408-MA	●	9.525	4.76	0.8	3.81	
	160412-MA	●	9.525	4.76	1.2	3.81	
	220408-MA	●	12.7	4.76	0.8	5.16	
	220412-MA	●	12.7	4.76	1.2	5.16	
	270608-MA	●	15.875	6.35	0.8	6.35	
 Corte medio	TNMG160404-MH	●	9.525	4.76	0.4	3.81	
	160408-MH	●	9.525	4.76	0.8	3.81	
	160412-MH	●	9.525	4.76	1.2	3.81	
	220408-MH	●	12.7	4.76	0.8	5.16	
	220412-MH	●	12.7	4.76	1.2	5.16	
 Corte medio	TNMG110304	●	6.35	3.18	0.4	2.26	
	110308	●	6.35	3.18	0.8	2.26	
	160304	●	9.525	3.18	0.4	3.81	
	160308	●	9.525	3.18	0.8	3.81	
	160404	●	9.525	4.76	0.4	3.81	
	160408	●	9.525	4.76	0.8	3.81	
	160412	●	9.525	4.76	1.2	3.81	
	160416	●	9.525	4.76	1.6	3.81	
	220404	●	12.7	4.76	0.4	5.16	
	220408	●	12.7	4.76	0.8	5.16	
	220412	●	12.7	4.76	1.2	5.16	
	220416	●	12.7	4.76	1.6	5.16	
	270608	●	15.875	6.35	0.8	6.35	
	270612	●	15.875	6.35	1.2	6.35	
270616	●	15.875	6.35	1.6	6.35		
 Corte ligero (Wiper)	TNMX160408-MW	●	9.525	4.76	0.8	3.81	
	160412-MW	●	9.525	4.76	1.2	3.81	


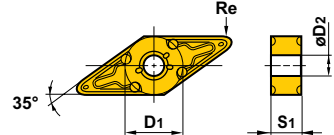

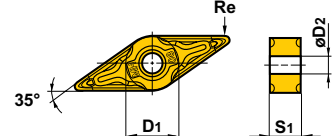

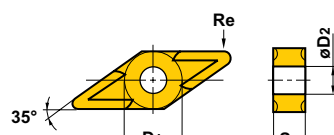

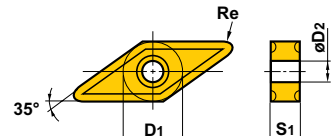

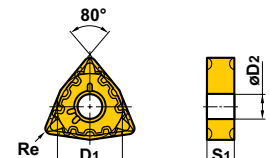

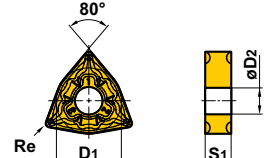

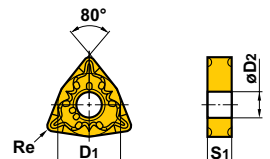

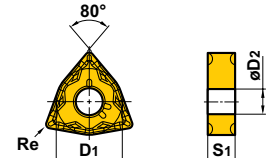
UE6110

PLACAS

● Placas negativas (con agujero)

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte medio	TNMG160404-MS	●	9.525	4.76	0.4	3.81	
	160408-MS	●	9.525	4.76	0.8	3.81	
	160412-MS	●	9.525	4.76	1.2	3.81	
	220408-MS	●	12.7	4.76	0.8	5.16	
 Corte desbaste	TNMG160408-RP	●	9.525	4.76	0.8	3.81	
	160412-RP	●	9.525	4.76	1.2	3.81	
	220408-RP	●	12.7	4.76	0.8	5.16	
	220412-RP	●	12.7	4.76	1.2	5.16	
	220416-RP	●	12.7	4.76	1.6	5.16	
	270612-RP	●	15.875	6.35	1.2	6.35	
	270616-RP	●	15.875	6.35	1.6	6.35	
 Corte acabado	TNMG160408-GH	●	9.525	4.76	0.8	3.81	
	160412-GH	●	9.525	4.76	1.2	3.81	
	220408-GH	●	12.7	4.76	0.8	5.16	
	220412-GH	●	12.7	4.76	1.2	5.16	
	220416-GH	●	12.7	4.76	1.6	5.16	
	270612-GH	●	15.875	6.35	1.2	6.35	
 Corte fuerte	TNMM160408-HZ	●	9.525	4.76	0.8	3.81	
	220408-HZ	●	12.7	4.76	0.8	5.16	
	220412-HZ	●	12.7	4.76	1.2	5.16	
	220416-HZ	●	12.7	4.76	1.6	5.16	
 Corte acabado	VNMG160402-FH	●	9.525	4.76	0.2	3.81	
	160404-FH	●	9.525	4.76	0.4	3.81	
	160408-FH	●	9.525	4.76	0.8	3.81	
 Corte ligero	VNMG160404-LP	●	9.525	4.76	0.4	3.81	
	160408-LP	●	9.525	4.76	0.8	3.81	
 Corte ligero	VNMG160404-SH	●	9.525	4.76	0.4	3.81	
	160408-SH	●	9.525	4.76	0.8	3.81	
 Corte medio	VNMG160404-MP	●	9.525	4.76	0.4	3.81	
	160408-MP	●	9.525	4.76	0.8	3.81	
	160412-MP	●	9.525	4.76	1.2	3.81	

● : Existencia en Europa.

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
MA 	VNMG160404-MA	●	9.525	4.76	0.4	3.81	
	160408-MA	●	9.525	4.76	0.8	3.81	
Corte medio							
MH 	VNMG160404-MH	●	9.525	4.76	0.4	3.81	
	160408-MH	●	9.525	4.76	0.8	3.81	
Corte medio							
Estándar 	VNMG160404	●	9.525	4.76	0.4	3.81	
	160408	●	9.525	4.76	0.8	3.81	
	160412	●	9.525	4.76	1.2	3.81	
Corte medio							
MS 	VNMG160404-MS	●	9.525	4.76	0.4	3.81	
	160408-MS	●	9.525	4.76	0.8	3.81	
Corte medio							
FH 	WNMG080404-FH	●	12.7	4.76	0.4	5.16	
	080408-FH	●	12.7	4.76	0.8	5.16	
Corte acabado							
NEW LP 	WNMG06T304-LP	●	9.525	3.97	0.4	3.81	
	06T308-LP	●	9.525	3.97	0.8	3.81	
	060404-LP	●	9.525	4.76	0.4	3.81	
	060408-LP	●	9.525	4.76	0.8	3.81	
	080404-LP	●	12.7	4.76	0.4	5.16	
	080408-LP	●	12.7	4.76	0.8	5.16	
	080412-LP	●	12.7	4.76	1.2	5.16	
Corte ligero							
SH 	WNMG06T304-SH	●	9.525	3.97	0.4	3.81	
	06T308-SH	●	9.525	3.97	0.8	3.81	
	060404-SH	●	9.525	4.76	0.4	3.81	
	060408-SH	●	9.525	4.76	0.8	3.81	
	080404-SH	●	12.7	4.76	0.4	5.16	
	080408-SH	●	12.7	4.76	0.8	5.16	
080412-SH	●	12.7	4.76	1.2	5.16		
Corte ligero							
SA 	WNMG080404-SA	●	12.7	4.76	0.4	5.16	
	080408-SA	●	12.7	4.76	0.8	5.16	
	080412-SA	●	12.7	4.76	1.2	5.16	
Corte ligero							

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PLACAS

● Placas negativas (con agujero)


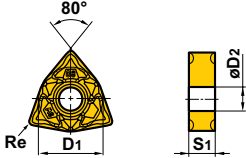

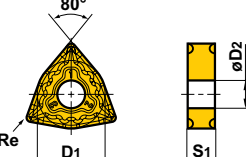

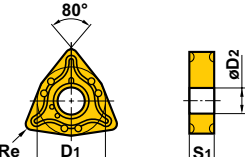

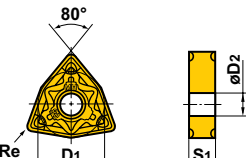

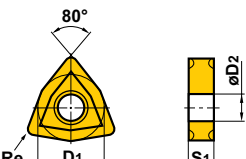

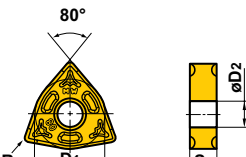

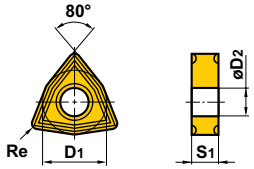

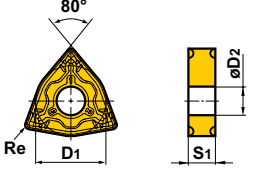

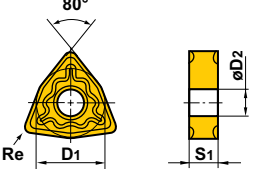

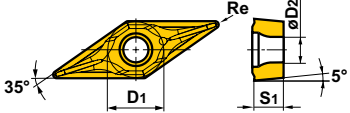

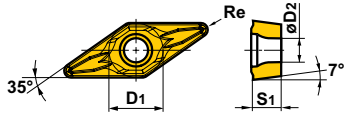

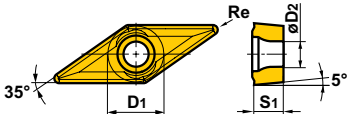

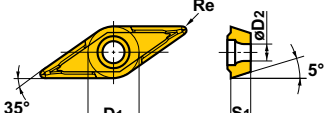
Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte ligero (Wiper)	WNMG060404-SW	●	9.525	4.76	0.4	3.81	
	060408-SW	●	9.525	4.76	0.8	3.81	
	080404-SW	●	12.7	4.76	0.4	5.16	
	080408-SW	●	12.7	4.76	0.8	5.16	
	080412-SW	●	12.7	4.76	1.2	5.16	
 Corte medio	WNMG06T304-MP	●	9.525	3.97	0.4	3.81	
	06T308-MP	●	9.525	3.97	0.8	3.81	
	06T312-MP	●	9.525	3.97	1.2	3.81	
	060404-MP	●	9.525	4.76	0.4	3.81	
	060408-MP	●	9.525	4.76	0.8	3.81	
	060412-MP	●	9.525	4.76	1.2	3.81	
	080404-MP	●	12.7	4.76	0.4	5.16	
	080408-MP	●	12.7	4.76	0.8	5.16	
	080412-MP	●	12.7	4.76	1.2	5.16	
080416-MP	●	12.7	4.76	1.6	5.16		
 Corte medio	WNMG06T304-MA	●	9.525	3.97	0.4	3.81	
	06T308-MA	●	9.525	3.97	0.8	3.81	
	06T312-MA	●	9.525	3.97	1.2	3.81	
	060404-MA	●	9.525	4.76	0.4	3.81	
	060408-MA	●	9.525	4.76	0.8	3.81	
	060412-MA	●	9.525	4.76	1.2	3.81	
	080404-MA	●	12.7	4.76	0.4	5.16	
	080408-MA	●	12.7	4.76	0.8	5.16	
	080412-MA	●	12.7	4.76	1.2	5.16	
080416-MA	●	12.7	4.76	1.6	5.16		
 Corte medio	WNMG080404-MH	●	12.7	4.76	0.4	5.16	
	080408-MH	●	12.7	4.76	0.8	5.16	
	080412-MH	●	12.7	4.76	1.2	5.16	
 Corte medio	WNMG080404	●	12.7	4.76	0.4	5.16	
	080408	●	12.7	4.76	0.8	5.16	
	080412	●	12.7	4.76	1.2	5.16	
 Corte medio (Wiper)	WNMG060408-MW	●	9.525	4.76	0.8	3.81	
	060412-MW	●	9.525	4.76	1.2	3.81	
	080408-MW	●	12.7	4.76	0.8	5.16	
	080412-MW	●	12.7	4.76	1.2	5.16	

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
 Corte medio	WNMG06T304-MS	●	9.525	3.97	0.4	3.81	
	06T308-MS	●	9.525	3.97	0.8	3.81	
	060404-MS	●	9.525	4.76	0.4	3.81	
	060408-MS	●	9.525	4.76	0.8	3.81	
	080404-MS	●	12.7	4.76	0.4	5.16	
	080408-MS	●	12.7	4.76	0.8	5.16	
	080412-MS	●	12.7	4.76	1.2	5.16	
 Corte desbaste	WNMG080408-RP	●	12.7	4.76	0.8	5.16	
	080412-RP	●	12.7	4.76	1.2	5.16	
 Corte desbaste	WNMG080408-GH	●	12.7	4.76	0.8	5.16	
	080412-GH	●	12.7	4.76	1.2	5.16	

● Placas positivas de 5° (con agujero)

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
 Corte acabado	VBMT110302-FP	●	6.35	3.18	0.2	2.9	
	110304-FP	●	6.35	3.18	0.4	2.9	
	110308-FP	●	6.35	3.18	0.8	2.9	
	160404-FP	●	9.525	4.76	0.4	4.4	
	160408-FP	●	9.525	4.76	0.8	4.4	
 Corte ligero	VBMT110304-LP	●	6.35	3.18	0.4	2.9	
	110308-LP	●	6.35	3.18	0.8	2.9	
	160404-LP	●	9.525	4.76	0.4	4.4	
	160408-LP	●	9.525	4.76	0.8	4.4	
 Corte medio	VBMT160404-MP	●	9.525	4.76	0.4	4.4	
	160408-MP	●	9.525	4.76	0.8	4.4	
 Corte medio	VBMT160404	●	9.525	4.76	0.4	4.43	
	160408	●	9.525	4.76	0.8	4.43	

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PLACAS

● Placas positivas de 7° (con agujero)


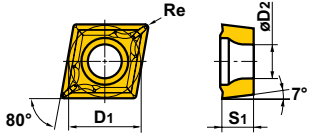

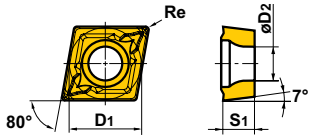

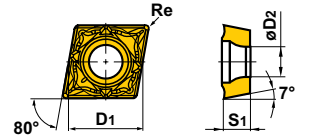

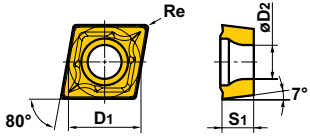

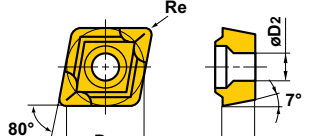


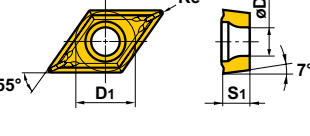
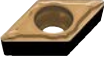
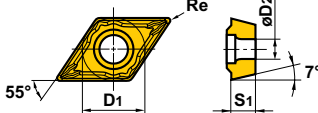

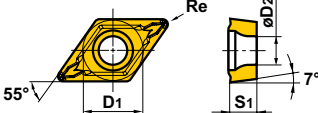

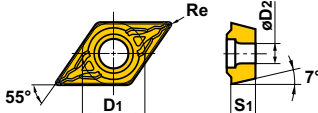

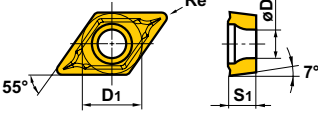

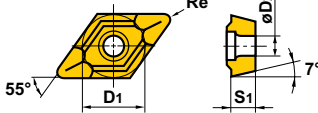

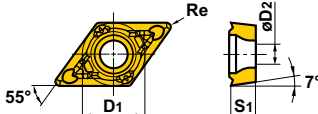


Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 <p>Corte acabado</p>	NEW CCMT060202-FP	●	6.35	2.38	0.2	2.8	
	060204-FP	●	6.35	2.38	0.4	2.8	
	09T302-FP	●	9.525	3.97	0.2	4.4	
	09T304-FP	●	9.525	3.97	0.4	4.4	
	09T308-FP	●	9.525	3.97	0.8	4.4	
 <p>Corte ligero</p>	NEW CCMT060204-LP	●	6.35	2.38	0.4	2.8	
	060208-LP	●	6.35	2.38	0.8	2.8	
	09T304-LP	●	9.525	3.97	0.4	4.4	
	09T308-LP	●	9.525	3.97	0.8	4.4	
 <p>Corte ligero (Wiper)</p>	CCMT060202-SW	●	6.35	2.38	0.2	2.8	
	060204-SW	●	6.35	2.38	0.4	2.8	
	09T302-SW	●	9.525	3.97	0.2	4.4	
	09T304-SW	●	9.525	3.97	0.4	4.4	
 <p>Corte medio</p>	NEW CCMT060204-MP	●	6.35	2.38	0.4	2.8	
	060208-MP	●	6.35	2.38	0.8	2.8	
	09T304-MP	●	9.525	3.97	0.4	4.4	
	09T308-MP	●	9.525	3.97	0.8	4.4	
	120404-MP	●	12.7	4.76	0.4	5.5	
	120408-MP	●	12.7	4.76	0.8	5.5	
	120412-MP	●	12.7	4.76	1.2	5.5	
 <p>Corte medio</p>	Estándar CCMT060202	●	6.35	2.38	0.2	2.8	
	060204	●	6.35	2.38	0.4	2.8	
	060208	●	6.35	2.38	0.8	2.8	
	080302	●	7.94	3.18	0.2	3.4	
	080304	●	7.94	3.18	0.4	3.4	
	080308	●	7.94	3.18	0.8	3.4	
	09T302	●	9.525	3.97	0.2	4.4	
	09T304	●	9.525	3.97	0.4	4.4	
	09T308	●	9.525	3.97	0.8	4.4	
	120404	●	12.7	4.76	0.4	5.5	
	120408	●	12.7	4.76	0.8	5.5	
	120412	●	12.7	4.76	1.2	5.5	
	 <p>Corte medio (Wiper)</p>	CCMT060208-MW	●	6.35	2.38	0.8	
09T304-MW		●	9.525	3.97	0.4	4.4	
09T308-MW		●	9.525	3.97	0.8	4.4	
120404-MW		●	12.7	4.76	0.4	5.5	
120408-MW		●	12.7	4.76	0.8	5.5	
 <p>Corte acabado</p>	NEW DCMT070202-FP	●	6.35	2.38	0.2	2.8	
	070204-FP	●	6.35	2.38	0.4	2.8	
	11T302-FP	●	9.525	3.97	0.2	4.4	
	11T304-FP	●	9.525	3.97	0.4	4.4	
	11T308-FP	●	9.525	3.97	0.8	4.4	

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		<i>UE6110</i>	D1	S1	Re	D2	
 Corte acabado	DCMT070202-FV	●	6.35	2.38	0.2	2.8	
	070204-FV	●	6.35	2.38	0.4	2.8	
	11T304-FV	●	9.525	3.97	0.4	4.4	
	11T308-FV	●	9.525	3.97	0.8	4.4	
 Corte ligero	DCMT070204-LP	●	6.35	2.38	0.4	2.8	
	070208-LP	●	6.35	2.38	0.8	2.8	
	11T304-LP	●	9.525	3.97	0.4	4.4	
	11T308-LP	●	9.525	3.97	0.8	4.4	
 Corte ligero	DCMT070204-SV	●	6.35	2.38	0.4	2.8	
	070208-SV	●	6.35	2.38	0.8	2.8	
	11T302-SV	●	9.525	3.97	0.2	4.4	
	11T304-SV	●	9.525	3.97	0.4	4.4	
 Corte medio	DCMT070204-MP	●	6.35	2.38	0.4	2.8	
	070208-MP	●	6.35	2.38	0.8	2.8	
	11T304-MP	●	9.525	3.97	0.4	4.4	
	11T308-MP	●	9.525	3.97	0.8	4.4	
	150404-MP	●	12.7	4.76	0.4	5.5	
 Corte medio	DCMT070202	●	6.35	2.38	0.2	2.8	
	070204	●	6.35	2.38	0.4	2.8	
	070208	●	6.35	2.38	0.8	2.8	
	11T302	●	9.525	3.97	0.2	4.4	
	11T304	●	9.525	3.97	0.4	4.4	
	11T308	●	9.525	3.97	0.8	4.4	
	11T312	●	9.525	3.97	1.2	4.4	
	150404	●	12.7	4.76	0.4	5.5	
150408	●	12.7	4.76	0.8	5.5		
 Corte medio	DCMT070202-MV	●	6.35	2.38	0.2	2.8	
	070204-MV	●	6.35	2.38	0.4	2.8	
	070208-MV	●	6.35	2.38	0.8	2.8	
	11T302-MV	●	9.525	3.97	0.2	4.4	
	11T304-MV	●	9.525	3.97	0.4	4.4	
	11T308-MV	●	9.525	3.97	0.8	4.4	
 Corte medio	RCMT0602M0	●	6	2.38	—	2.8	
	0803M0	●	8	3.18	—	3.4	

UE6110

PLACAS

● Placas positivas de 7° (con agujero)


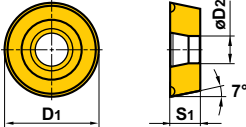

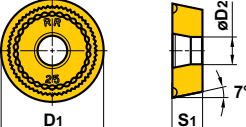

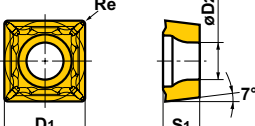

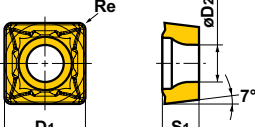

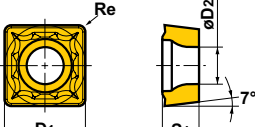

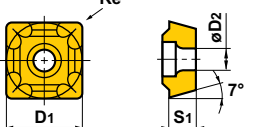

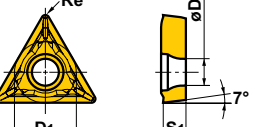

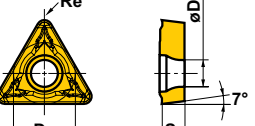

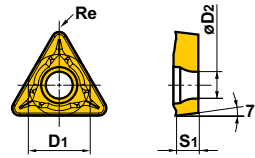

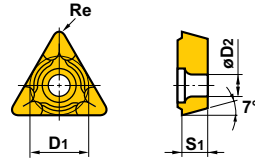

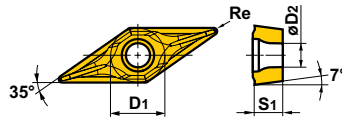

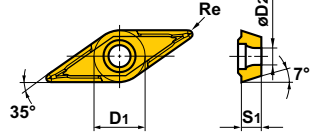

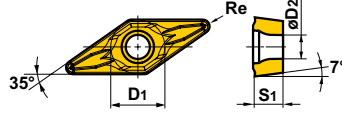

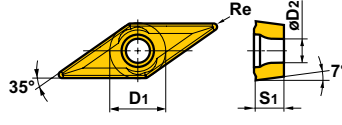

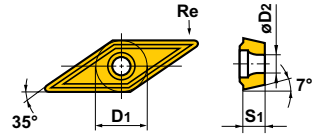

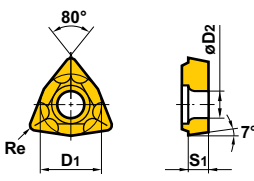
Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
	RCMX1003M0	●	10	3.18	—	3.6	
	1204M0	●	12	4.76	—	4.2	
	1606M0	●	16	6.35	—	5.2	
	2006M0	●	20	6.35	—	6.5	
	2507M0	●	25	7.94	—	7.2	
	3209M0	●	32	9.52	—	9.5	
Corte medio							
	RCMX1606M0-RR	●	16	6.35	—	5.2	
	2006M0-RR	●	20	6.35	—	6.5	
	2507M0-RR	●	25	7.94	—	7.2	
	3209M0-RR	●	32	9.52	—	9.5	
Corte medio							
	SCMT09T304-FP	●	9.525	3.97	0.4	4.4	
	09T308-FP	●	9.525	3.97	0.8	4.4	
Corte acabado							
	SCMT09T304-LP	●	9.525	3.97	0.4	4.4	
	09T308-LP	●	9.525	3.97	0.8	4.4	
Corte ligero							
	SCMT09T304-MP	●	9.525	3.97	0.4	4.4	
	09T308-MP	●	9.525	3.97	0.8	4.4	
	120404-MP	●	12.7	4.76	0.4	5.5	
	120408-MP	●	12.7	4.76	0.8	5.5	
Corte medio							
	SCMT09T304	●	9.525	3.97	0.4	4.4	
	09T308	●	9.525	3.97	0.8	4.4	
	120404	●	12.7	4.76	0.4	5.5	
	120408	●	12.7	4.76	0.8	5.5	
	120412	●	12.7	4.76	1.2	5.5	
Corte medio							
	TCMT090202-FP	●	5.56	2.38	0.2	2.5	
	090204-FP	●	5.56	2.38	0.4	2.5	
	110202-FP	●	6.35	2.38	0.2	2.8	
	110204-FP	●	6.35	2.38	0.4	2.8	
	16T304-FP	●	9.525	3.97	0.4	4.4	
Corte acabado							
	TCMT090204-LP	●	5.56	2.38	0.4	2.5	
	090208-LP	●	5.56	2.38	0.8	2.5	
	110204-LP	●	6.35	2.38	0.4	2.8	
	110208-LP	●	6.35	2.38	0.8	2.8	
	16T304-LP	●	9.525	3.97	0.4	4.4	
	16T308-LP	●	9.525	3.97	0.8	4.4	
Corte ligero							

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Corte medio	NEW MP	●	5.56	2.38	0.4	2.5	
	TCMT090204-MP	●	5.56	2.38	0.8	2.5	
	090208-MP	●	6.35	2.38	0.4	2.8	
	110204-MP	●	6.35	2.38	0.8	2.8	
	130304-MP	●	7.94	3.18	0.4	3.4	
	16T304-MP	●	9.525	3.97	0.4	4.4	
	16T308-MP	●	9.525	3.97	0.8	4.4	
	16T312-MP	●	9.525	3.97	1.2	4.4	
 Corte medio	Estándar	●	5.56	2.38	0.4	2.5	
	TCMT090204	●	6.35	2.38	0.2	2.8	
	110202	●	6.35	2.38	0.4	2.8	
	110204	●	6.35	2.38	0.8	2.8	
	130304	●	7.94	3.18	0.4	3.4	
	16T304	●	9.525	3.97	0.4	4.4	
	16T308	●	9.525	3.97	0.8	4.4	
	16T312	●	9.525	3.97	1.2	4.4	
 Corte acabado	NEW FP	●	6.35	3.18	0.2	2.8	
	VCMT110302-FP	●	6.35	3.18	0.4	2.8	
	110304-FP	●	9.525	4.76	0.4	4.4	
	160404-FP	●	9.525	4.76	0.8	4.4	
	160408-FP	●					
 Corte acabado	FV	●	9.525	4.76	0.4	4.4	
	VCMT160404-FV	●	9.525	4.76	0.8	4.4	
	160408-FV	●					
 Corte ligero	NEW LP	●	6.35	3.18	0.4	2.8	
	VCMT110304-LP	●	6.35	3.18	0.8	2.8	
	110308-LP	●	9.525	4.76	0.4	4.4	
	160404-LP	●	9.525	4.76	0.8	4.4	
	160408-LP	●					
 Corte medio	NEW MP	●	9.525	4.76	0.4	4.4	
	VCMT160404-MP	●	9.525	4.76	0.8	4.4	
	160408-MP	●	9.525	4.76	1.2	4.4	
	160412-MP	●					
 Corte medio	Estándar	●	6.35	3.18	0.4	2.8	
	VCMT110304	●	9.525	4.76	0.4	4.4	
	160404	●	9.525	4.76	0.8	4.4	
	160408	●	9.525	4.76	1.2	4.4	
	160412	●					


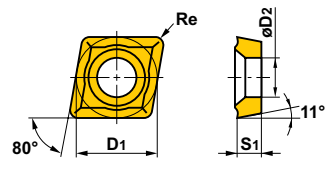
UE6110

PLACAS

● Placas positivas de 7° (con agujero)

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Estándar Corte medio	WCMT020102	●	3.97	1.59	0.2	2.3	
	020104	●	3.97	1.59	0.4	2.3	
	L30202	●	4.76	2.38	0.2	2.3	
	L30204	●	4.76	2.38	0.4	2.3	
	040202	●	6.35	2.38	0.2	2.8	
	040204	●	6.35	2.38	0.4	2.8	
	06T304	●	9.525	3.97	0.4	4.4	
	06T308	●	9.525	3.97	0.8	4.4	

● Placas positivas de 11° (con agujero)

Figura	Referencia	Stock	Dimensiones (mm)				Geometría
		UE6110	D1	S1	Re	D2	
 Estándar Corte medio	CPMX080204	●	7.94	2.38	0.4	3.5	
	080208	●	7.94	2.38	0.8	3.5	
	090304	●	9.525	3.18	0.4	4.6	
	090308	●	9.525	3.18	0.8	4.6	

● Placas positivas de 11° (sin agujero)


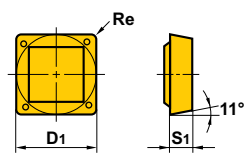

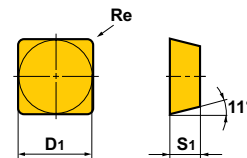

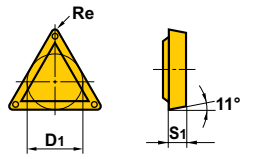

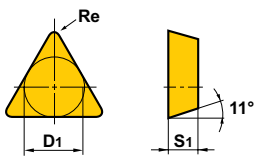
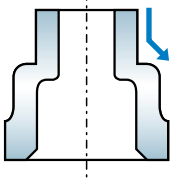
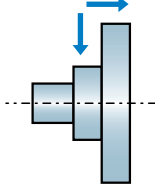
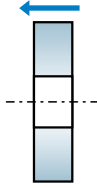
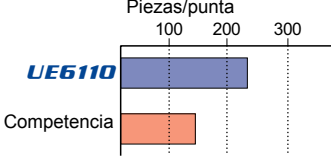
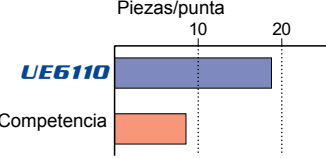

Figura	Referencia	Stock	Dimensiones (mm)			Geometría
		UE6110	D1	S1	Re	
 Estándar Corte de ligero a medio	SPMR090304	●	9.525	3.18	0.4	
	090308	●	9.525	3.18	0.8	
	120304	●	12.7	3.18	0.4	
	120308	●	12.7	3.18	0.8	
Superficie plana 	SPMN090308	●	9.525	3.18	0.8	
	120304	●	12.7	3.18	0.4	
	120308	●	12.7	3.18	0.8	
	120312	●	12.7	3.18	1.2	

Figura	Referencia	Stock	Dimensiones (mm)			Geometría
		UE6110	D1	S1	Re	
Estándar  Corte de ligero a medio	TPMR110304	●	6.35	3.18	0.4	
	110308	●	6.35	3.18	0.8	
	160304	●	9.525	3.18	0.4	
	160308	●	9.525	3.18	0.8	
	160312	●	9.525	3.18	1.2	
Superficie plana 	TPMN110304	●	6.35	3.18	0.4	
	110308	●	6.35	3.18	0.8	
	160304	●	9.525	3.18	0.4	
	160308	●	9.525	3.18	0.8	
	160312	●	9.525	3.18	1.2	
	220404	●	12.7	4.76	0.4	
	220408	●	12.7	4.76	0.8	
	220412	●	12.7	4.76	1.2	

EJEMPLOS DE APLICACIÓN

Placa	CNMG120416-MA	WNMG080412-MW	TNMG160408-RP	
Material de trabajo	100Cr6 	41CrMo4 	25CrMo4 	
Condiciones de corte	Velocidad de corte (m/min.)	240	210	250
	Área de avance (mm/min.)	0.3 – 0.4	0.3	0.25
	Profundidad de corte (mm)	3.0 – 4.0	3.0	2.0
Refrigerante	Corte húmedo	Corte húmedo	Corte húmedo	
Resultados	<p>Piezas/punta 100 200 300</p>  <p>UE6110 logró una vida útil de la herramienta 1,5 veces mayor sin desgaste irregular debido a su excelente resistencia al desgaste.</p>	<p>Piezas/punta 10 20</p>  <p>UE6110 duplicó la vida útil de la herramienta.</p>	<p>UE6110 Competencia</p>  <p>UE6110 previno el desgaste del cráter gracias a su excelente resistencia al desgaste.</p>	

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