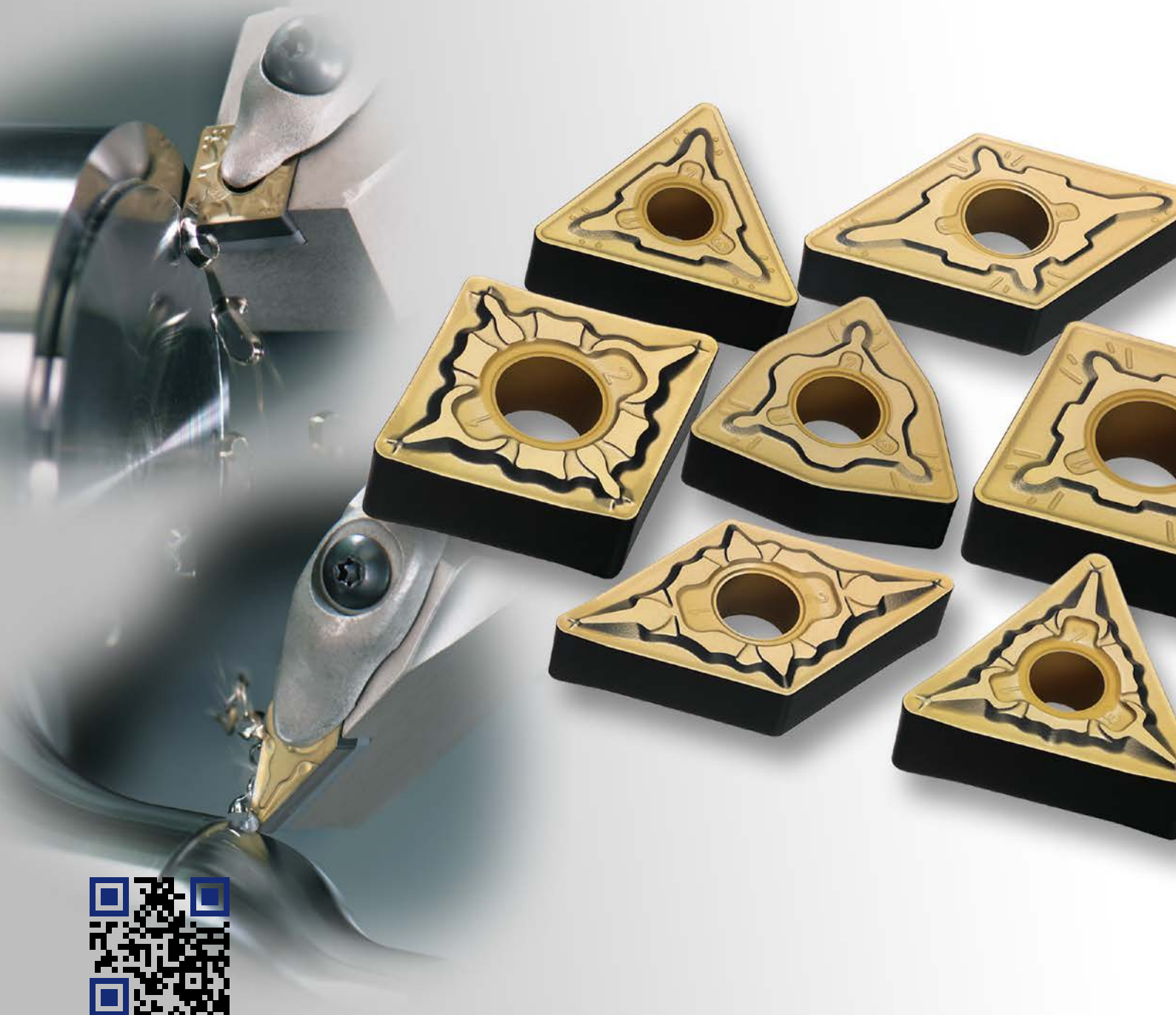


Nuances CVD revêtues pour le tournage de l'acier

UE6110

Extension
de la gamme

Excellente stabilité pour une large gamme d'applications !



Nuances CVD revêtues pour le tournage de l'acier

UE6110

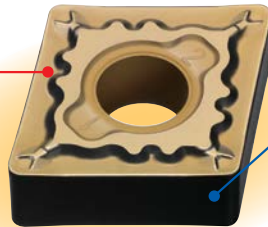
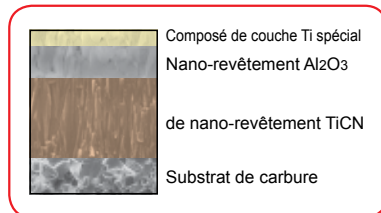
Caractéristiques

Performance d'usinage supérieure obtenue grâce à la technologie 2 en 1

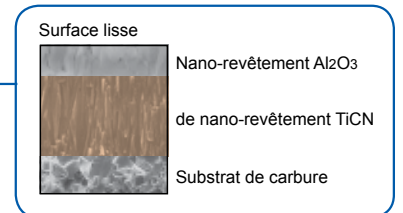
Excellente résistance à l'usure en cratère

Le revêtement de type Ti or sur la dépouille fait preuve d'une résistance exceptionnelle à l'usure en cratère. Ce revêtement renforce encore la résistance à l'usure en cratère de la nano-texture Al_2O_3 pour l'adapter aux usinages à haute vitesse et haute performance.

Structure du revêtement sur la dépouille



Structure du revêtement sur les flancs



Excellente résistance à l'usure sur flancs

Le revêtement noir à la surface des flancs présente une surface extrêmement lisse qui prévient l'usure anormale et l'écaillage. Combiné au revêtement nano-texturé, il assure de meilleures états de surface et une durée de vie stable de l'outil.

Comparaison de la résistance à l'usure en cratère

Plaquette : CNMG120408-MA
Pièce : 40NiCrMo22
Conditions de coupe : Vitesse de coupe 250 m/min, Avance 0,3 mm/tr,
Profondeur de coupe 1,5 mm, Coupe à sec, Temps de coupe 7 minutes

Avec couche de composé Ti




Moindre usure en cratère

Sans couche de composé Ti



Forte usure en cratère

Comparaison de la résistance à l'usure sur flancs

Plaquette : CNMG120408-
Pièce : 42CD4
Conditions de coupe : Vitesse de coupe 200m/min, Avance 0,3 mm/tr,
Profondeur de coupe 1,5 mm, Coupe à sec, Temps de coupe 2 minutes

UE6110



Usure homogène et stable

Concurrent



Usure irrégulière

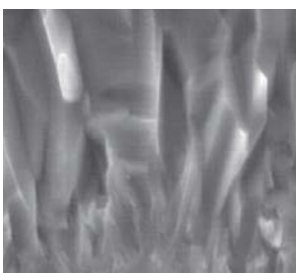
Revêtement à la pointe grâce à la technologie 2 en 1

1 Nouveau « revêtement nano-structuré »

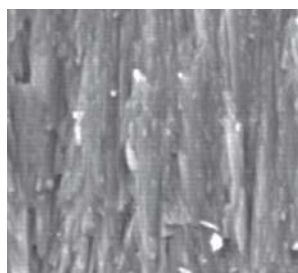
La nouvelle technologie de revêtement exclusive de Mitsubishi, composée d'une nano-texture TiCN et Al_2O_3 offre un revêtement de haute résistance à la rupture comme à l'usure.

Comparaison de la micro-structure cristalline

Revêtement conventionnel



Revêtement nano-structuré



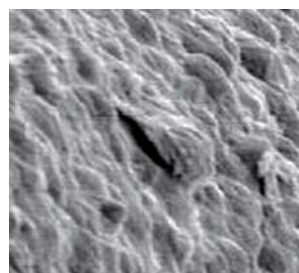
Même à l'échelle nano, les grains sont finement affinés

2 Nouveau revêtement « Black Super Even Coating »

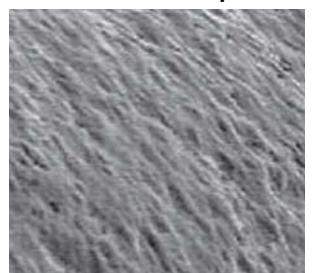
La surface extrêmement lisse du revêtement évite la propagation de l'usure pendant l'usinage pour réaliser des états de surface de haute qualité et prévenir du collage et de l'écaillage.

Comparaison de la surface du revêtement

Revêtement conventionnel



Revêtement noir super lisse



Technologie 2 en 1 pour une coupe stable et une haute résistance à l'usure et à la rupture

Plage d'application

UE6110 est la première recommandation pour le tournage de l'acier. Convient pour l'usinage des aciers doux, carbone, alliés, roulement et sans plomb.

Plage d'application	
ISO	Acier
P01	UE6105
P10	UE6110
P20	ML6025
P30	UE6020
P40	UE6035
	UE6400

Système de brise-copeaux pour l'usinage d'acier (plaquettes négatives)

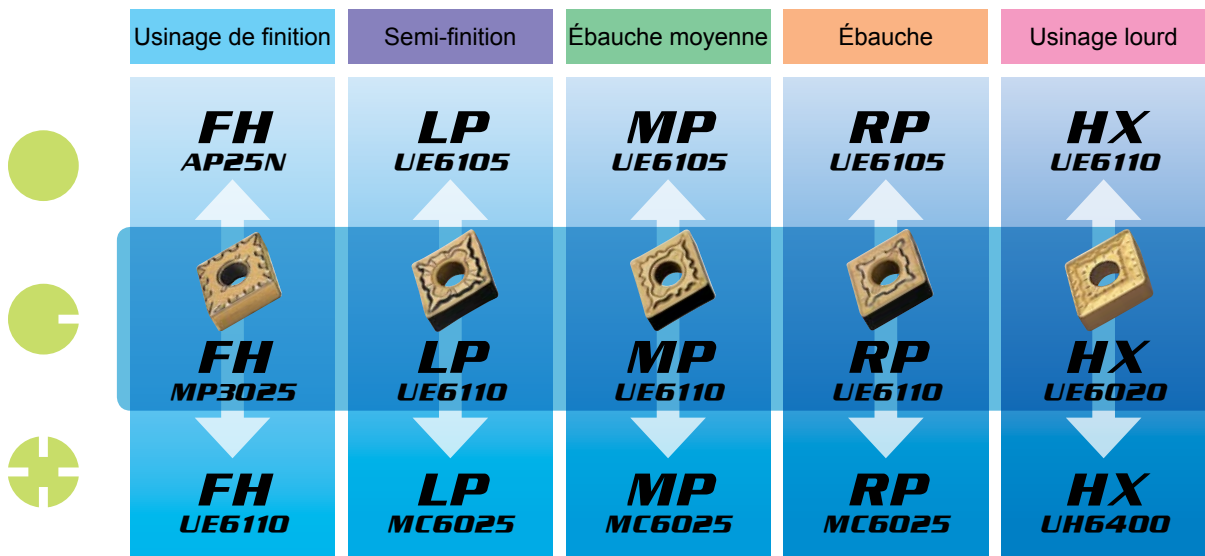
Application	Tolérance	Brise-copeaux	Caractéristiques	Géométrie de l'arête
Semi-finition	M	NEW LP	<p>Première recommandation pour la semi-finition des aciers au carbone et alliés</p> <p>Contrôle stable des copeaux pour la semi-finition L'arête incurvée permet une évacuation homogène des copeaux.</p>	
Ébauche moyenne	M	NEW MP	<p>Première recommandation pour l'ébauche moyenne des aciers au carbone et alliés</p> <p>Convient à la coupe moyenne et légère Géométrie du brise-copeaux adaptée au copiage et au chariotage en tirant. Géométrie de coupe pour un équilibre optimal entre acuité et résistance à la fracture.</p>	
Ébauche	M	NEW RP	<p>Première recommandation pour l'ébauche des aciers au carbone et alliés</p> <p>Pour les coupes interrompues et élimination de la crouette. Bon équilibre entre la résistance de l'arête de coupe et la faible résistance de coupe grâce à un angle de coupe adapté.</p>	

Système de brise-copeaux pour l'usinage des aciers (plaquettes positives)

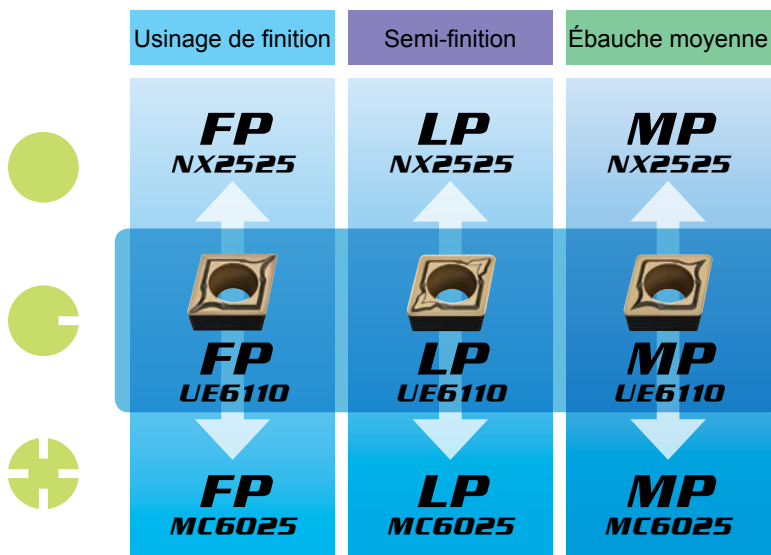
Application	Tolérance	Brise-copeaux	Caractéristiques	Géométrie de l'arête
Usinage en finition	M	NEW FP	<p>Première recommandation pour la finition des aciers au carbone et alliés</p> <p>La protubérance à la pointe du brise-copeaux, contrôle copeaux efficace, même pour de petites profondeurs de coupe. La robustesse du rayon est maintenue pour éviter toute rupture anormale.</p> <p>7° Plaquette positive</p>	
Semi-finition	M	NEW LP	<p>Première recommandation pour la semi-finition des aciers au carbone et alliés</p> <p>Excellente acuité de l'arête de coupe grâce au grand angle de coupe. Évite le collage copeaux sur la plaquette pour assurer une bonne finition de surface. Le brise-copeaux optimisé assure un contrôle copeaux.</p> <p>7° Plaquette positive</p>	
Ébauche moyenne	M	NEW MP	<p>Première recommandation pour l'ébauche moyenne des aciers au carbone et alliés</p> <p>La zone plate produit une excellente résistance à l'usure et une résistance supérieure à la rupture. La large poche réduit la vibration et le bourrage des copeaux et augmente la résistance de coupe, même à de grande profondeur.</p> <p>7° Plaquette positive</p>	

Choix optimal de plaquettes

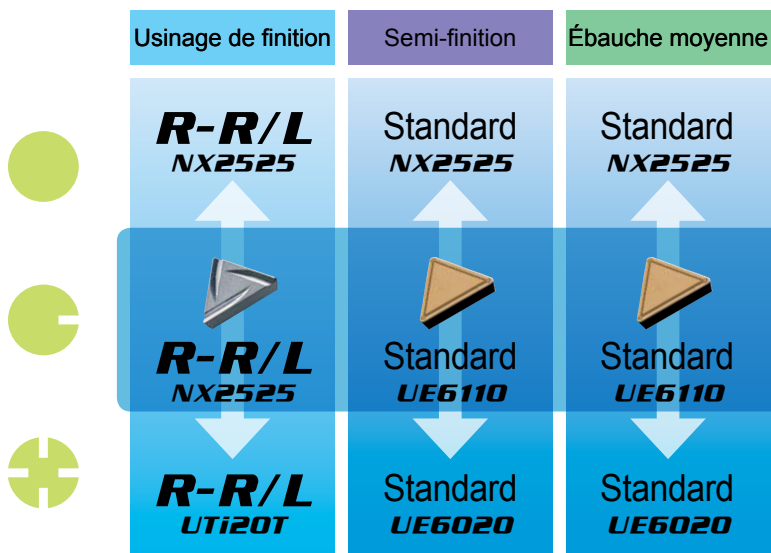
P Acier doux, Acier carbone, Acier allié
PLAQUETTES NÉGATIVES



PLAQUETTES POSITIVES 7° TROUÉES



PLAQUETTES POSITIVES 11° TROUÉES



CONDITIONS DE COUPE

- Coupe stable
Usinage continu
Profondeur de coupe constante
Pré-usiné
Excellent bridage pièce
- ◐ Coupe générale
- ⊕ Coupe instable
Coupe fortement interrompue
Profondeur de coupe irrégulière
Faible résistance de bridage

Conditions de coupe recommandées

Plaquettes négatives

P	Matière	Dureté	Mode de coupe		Brise-copeaux	Vitesse de coupe (m/min)	Avance (mm/tr)	Profondeur de coupe (mm)
			Coupe générale	Usinage finition				
Acier carbone, Acier allié (XC42, 42CD4)	180–280HB		Coupe générale	Usinage finition	FH	230–390	0.08–0.20	0.20–1.00
			Coupe générale	Semi-finition	LP	210–355	0.10–0.40	0.30–2.00
			Coupe générale		SH	210–355	0.10–0.40	0.30–2.00
			Coupe générale		SA	210–355	0.10–0.40	0.30–2.00
			Coupe générale		SW	210–355	0.10–0.50	0.30–2.50
			Coupe générale		Coupe moyenne	MP	190–325	0.16–0.50
			Coupe générale	MA		190–325	0.20–0.50	0.30–4.00
			Coupe générale	MH		190–325	0.20–0.55	1.00–4.00
			Coupe générale	Std		190–325	0.25–0.60	1.50–5.00
			Coupe générale	MW		190–325	0.20–0.60	0.90–4.00
			Coupe générale	Ébauche	RP	180–310	0.25–0.60	1.50–6.00
			Coupe générale		GH	180–310	0.25–0.60	1.50–6.00
			Coupe stable	Usinage lourd	HX	160–275	0.50–1.26	3.00–11.00
			Coupe stable		HV	135–275	0.70–1.30	4.00–12.00
			Coupe générale		HZ	160–275	0.40–1.20	2.00–10.00

Plaquette amovible positive 5° / 7°.

P	Matière	Dureté	Mode de coupe		Brise-copeaux	Vitesse de coupe (m/min)	Avance (mm/tr)	Profondeur de coupe (mm)
			Coupe générale	Usinage finition				
Acier doux (XC12, XC18)		≤180HB	Coupe générale	Usinage finition	FP	250–425	0.04–0.20	0.20–0.90
			Coupe générale	Semi-finition	LP	250–425	0.06–0.25	0.20–1.00
			Coupe générale	Coupe moyenne	MP	205–350	0.08–0.30	0.30–2.00
Acier carbone, Acier allié (XC42, 42CD4)		180–280HB	Coupe générale	Usinage finition	FP	185–310	0.04–0.20	0.20–0.90
			Coupe générale	Semi-finition	LP	185–310	0.06–0.25	0.20–1.00
			Coupe générale	Coupe moyenne	MP	150–260	0.08–0.30	0.30–2.00
Acier carbone, Acier allié (18NCD6)		280–350HB	Coupe générale	Coupe moyenne	MP	110–185	0.08–0.30	0.30–2.00


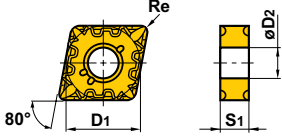

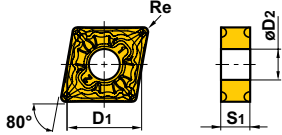

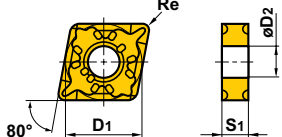

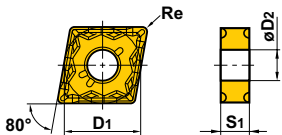

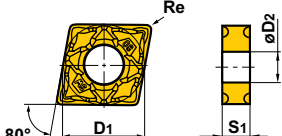

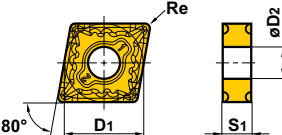

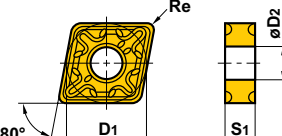
Plaquettes positives 11°

P	Matière	Dureté	Mode de coupe		Brise-copeaux	Vitesse de coupe (m/min)	Avance (mm/tr)	Profondeur de coupe (mm)
			Coupe générale	Coupe moyenne				
Acier doux (XC12, XC18)		≤180HB	Coupe générale	Coupe moyenne	Standard	205–350	0.08–0.30	0.30–2.00
			Acier carbone, Acier allié (XC42, 42CD4)	180–280HB	Coupe générale	Coupe moyenne	Standard	150–260
K	Fonte (Ft30)	≤350MPa	Coupe générale	Coupe moyenne	—	130–200	0.08–0.30	0.30–2.00
		≤450MPa	Coupe générale	Coupe moyenne	—	120–190	0.08–0.30	0.30–2.00
		≤800MPa	Coupe générale	Coupe moyenne	—	105–170	0.08–0.30	0.30–2.00


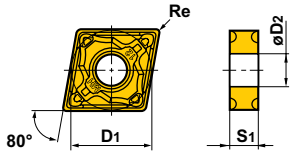

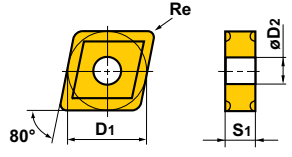

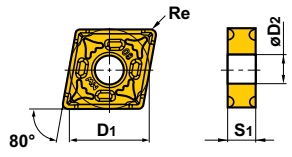

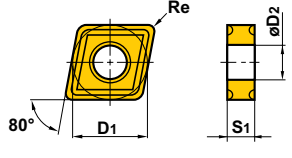

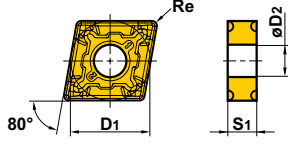

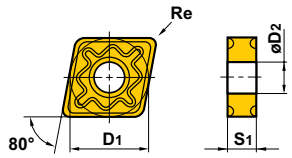
UE6110

PLAQUETTES

● Plaquettes négatives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Usinage de finition	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	
 Semi-finition	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	
 Semi-finition	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	
 Semi-finition	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	
 Semi-finition (Planage)	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	
 Ébauche moyenne	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	
 Ébauche moyenne	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	


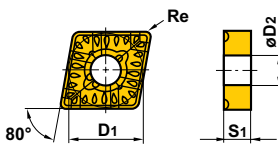

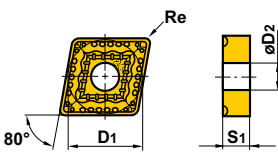

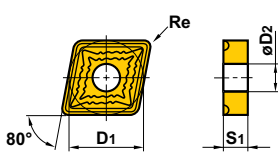

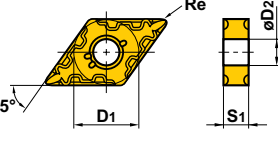

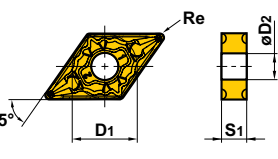

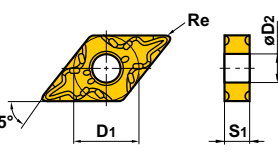

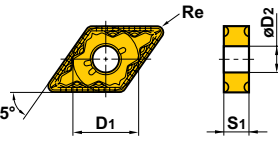
● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
MH  Ébauche moyenne	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	
Standard  Ébauche moyenne	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	
190616	●	19.05	6.35	1.6	7.93		
MW  Ébauche moyenne (Planage)	CNMG120408-MW	●	12.7	4.76	0.8	5.16	
	120412-MW	●	12.7	4.76	1.2	5.16	
MS  Ébauche moyenne	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	
NEW RP  Ébauche	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	
GH  Ébauche	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

PLAQUETTES

● Plaquettes négatives (trouées)


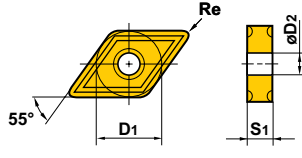

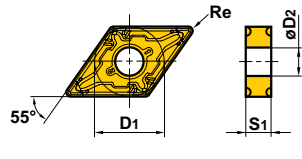

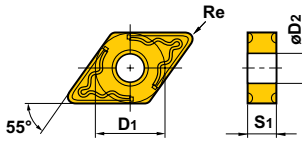

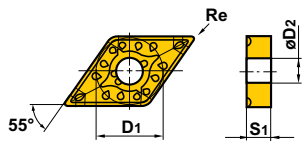

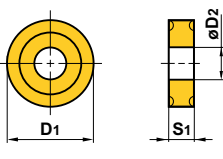

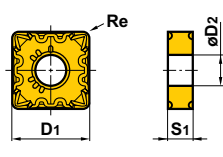

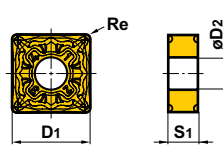

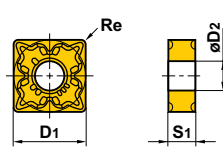
Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Usinage lourd	CNMM120408-HZ	●	12.7	4.76	0.8	5.16	
	120412-HZ	●	12.7	4.76	1.2	5.16	
	160612-HZ	●	15.875	6.35	1.2	6.35	
	160616-HZ	●	15.875	6.35	1.6	6.35	
	190612-HZ	●	19.05	6.35	1.2	7.93	
	190616-HZ	●	19.05	6.35	1.6	7.93	
 Usinage lourd	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	
 Usinage lourd	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	
 Usinage de finition	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	
 Semi-finition	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	
 Semi-finition	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	
 Semi-finition	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	

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
 Semi-finition (Planage)	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	
 Ébauche moyenne	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	
 Ébauche moyenne	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	
 Ébauche moyenne	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	
 Ébauche moyenne	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	
	150616	●	12.7	6.35	1.6	5.16	
 Ébauche moyenne (Planage)	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	


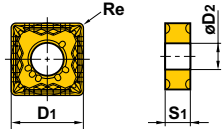

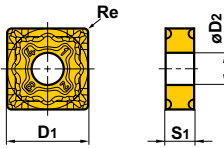

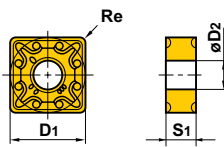

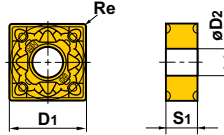

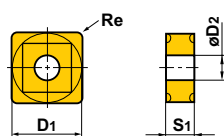

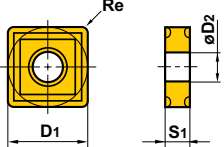

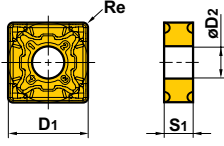
UE6110

PLAQUETTES

● Plaquettes négatives (percées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Ébauche moyenne	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	
 Ébauche	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	
 Ébauche	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	
 Usinage lourd	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	
 Ébauche moyenne	RNMG120400	●	12.7	4.76	—	5.16	
 Usinage de finition	SNMG120404-FH	●	12.7	4.76	0.4	5.16	
	120408-FH	●	12.7	4.76	0.8	5.16	
 Semi-finition	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	
 Semi-finition	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	


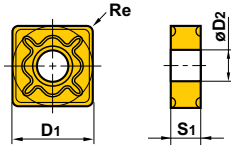

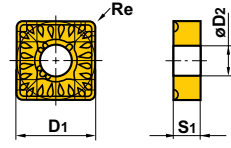

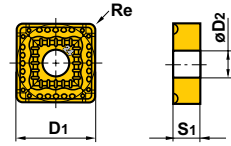

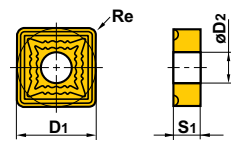

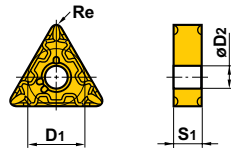

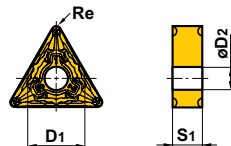

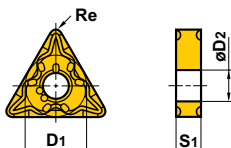

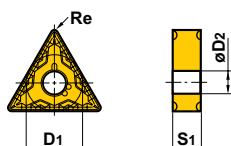
● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
SA  Semi-finition	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  Ébauche moyenne	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  Ébauche moyenne	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  Ébauche moyenne	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	
Standard  Ébauche moyenne	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  Ébauche moyenne	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  Ébauche	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	


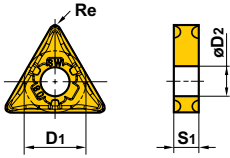

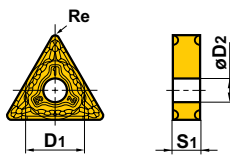

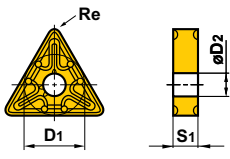

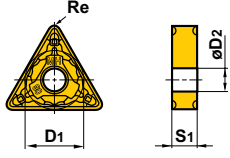

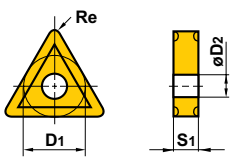

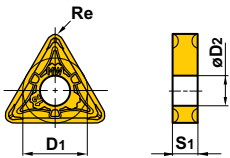
UE6110

PLAQUETTES

● Plaquettes négatives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
GH  Ébauche	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	
HZ  Usinage lourd	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	
HX  Usinage lourd	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	
HV  Usinage lourd	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	
FH  Usinage de finition	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	
NEW LP  Semi-finition	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	
SH  Semi-finition	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	
SA  Semi-finition	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	


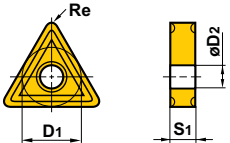

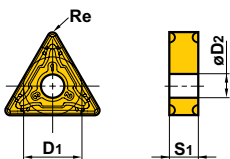

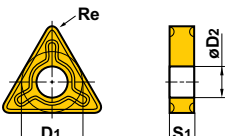

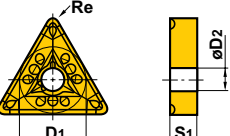

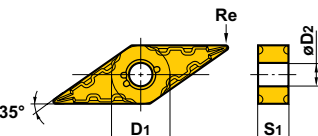

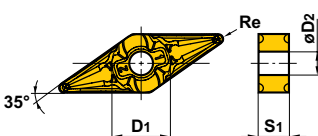

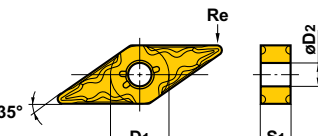

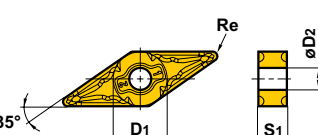
● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
SW  Semi-finition (Planage)	TNMX160404-SW	●	9.525	4.76	0.4	3.81	
	160408-SW	●	9.525	4.76	0.8	3.81	
MP  Ébauche moyenne	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	
MA  Ébauche moyenne	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	
MH  Ébauche moyenne	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	
Standard  Ébauche moyenne	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		
MW  Semi-finition (Planage)	TNMX160408-MW	●	9.525	4.76	0.8	3.81	
	160412-MW	●	9.525	4.76	1.2	3.81	


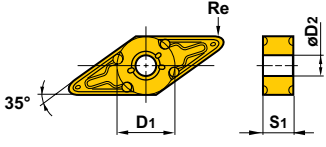

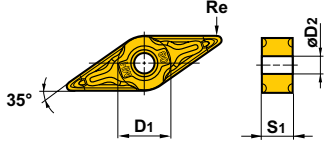

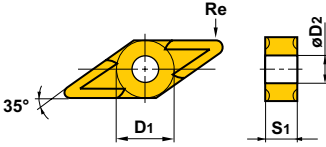

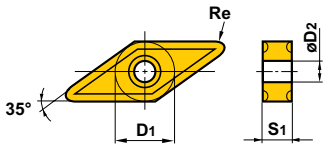

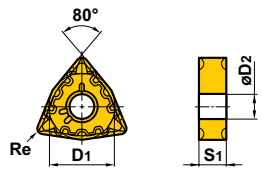

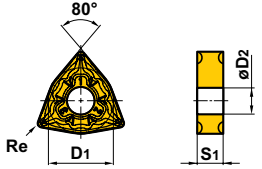

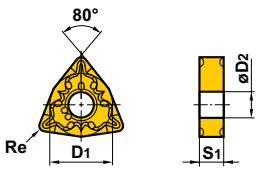

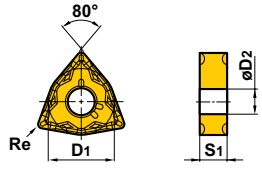
UE6110

PLAQUETTES

● Plaquettes négatives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Ébauche moyenne	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	
 Ébauche	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		
 Ébauche	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	
270616-GH	●	15.875	6.35	1.6	6.35		
 Usinage lourd	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	
 Usinage de finition	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	
 Semi-finition	VNMG160404-LP	●	9.525	4.76	0.4	3.81	
	160408-LP	●	9.525	4.76	0.8	3.81	
 Semi-finition	VNMG160404-SH	●	9.525	4.76	0.4	3.81	
	160408-SH	●	9.525	4.76	0.8	3.81	
 Ébauche moyenne	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	


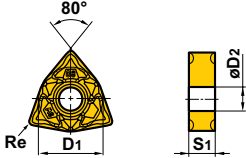

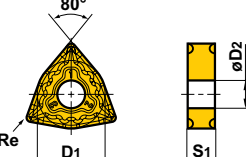

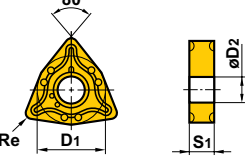

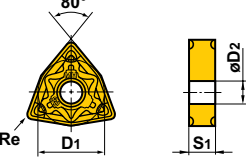

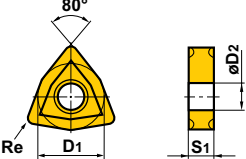

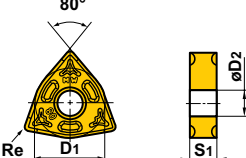
● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
MA  Ébauche moyenne	VNMG160404-MA	●	9.525	4.76	0.4	3.81	
	160408-MA	●	9.525	4.76	0.8	3.81	
MH  Ébauche moyenne	VNMG160404-MH	●	9.525	4.76	0.4	3.81	
	160408-MH	●	9.525	4.76	0.8	3.81	
Standard  Ébauche moyenne	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	
MS  Ébauche moyenne	VNMG160404-MS	●	9.525	4.76	0.4	3.81	
	160408-MS	●	9.525	4.76	0.8	3.81	
FH  Usinage de finition	WNMG080404-FH	●	12.7	4.76	0.4	5.16	
	080408-FH	●	12.7	4.76	0.8	5.16	
NEW LP  Semi-finition	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	
SH  Semi-finition	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	
SA  Semi-finition	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	


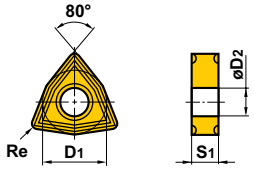

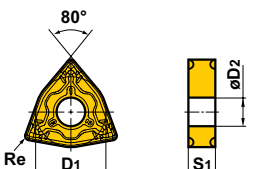

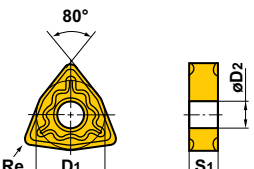
UE6110

PLAQUETTES


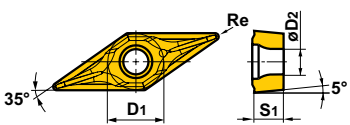

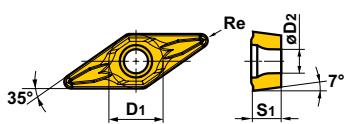

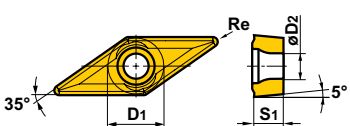

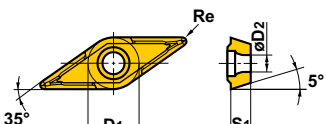
● Plaquettes négatives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Semi-finition (Planage)	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	
 Ébauche moyenne	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		
 Ébauche moyenne	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		
 Ébauche moyenne	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	
 Ébauche moyenne	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	
 Ébauche moyenne (Planage)	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	

● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
MS  Ébauche moyenne	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	
RP  Ébauche	WNMG080408-RP	●	12.7	4.76	0.8	5.16	
	080412-RP	●	12.7	4.76	1.2	5.16	
GH  Ébauche	WNMG080408-GH	●	12.7	4.76	0.8	5.16	
	080412-GH	●	12.7	4.76	1.2	5.16	


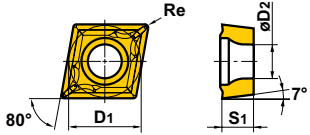

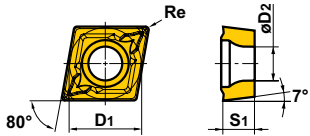

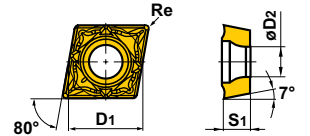

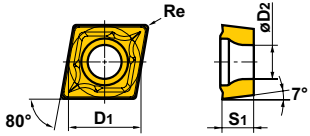

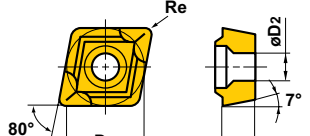


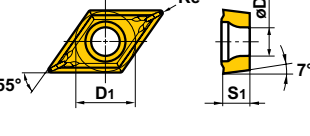
● 5° Plaquettes positives (percées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
FH  Usinage de finition	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	
LP  Semi-finition	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	
MP  Ébauche moyenne	VBMT160404-MP	●	9.525	4.76	0.4	4.4	
	160408-MP	●	9.525	4.76	0.8	4.4	
Standard  Ébauche moyenne	VBMT160404	●	9.525	4.76	0.4	4.43	
	160408	●	9.525	4.76	0.8	4.43	


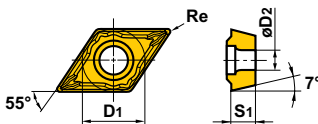

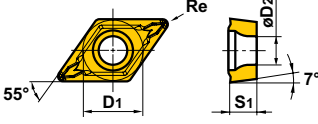

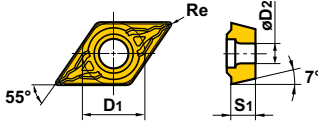

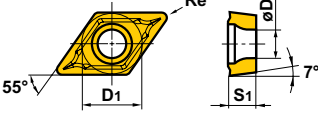
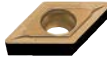
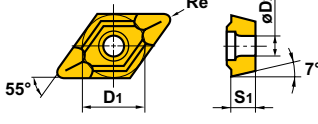

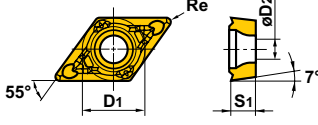

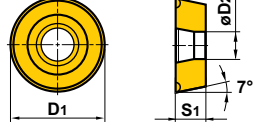
UE6110

PLAQUETTES

● 7° Plaquettes positives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Usinage de finition	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	
 Semi-finition	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	
 Semi-finition (Planage)	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	
 Ébauche moyenne	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	
 Ébauche moyenne	Standard 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	
	 Ébauche moyenne (Planage)	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	
 Usinage de finition	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	


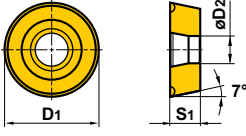

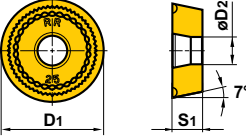

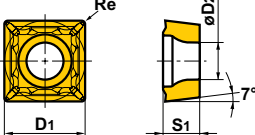

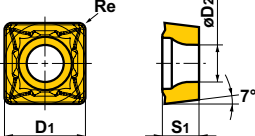

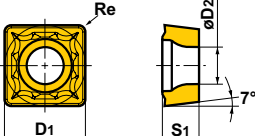

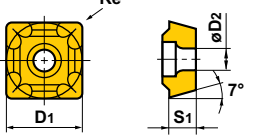

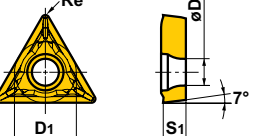

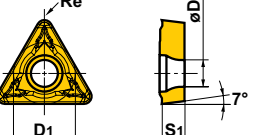
● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
	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	
Usinage de finition							
	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	
Semi-finition							
	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	
11T308-SV	●	9.525	3.97	0.8	4.4		
Semi-finition							
	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	
	150408-MP	●	12.7	4.76	0.8	5.5	
Ébauche moyenne							
	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	
150412	●	12.7	4.76	1.2	5.5		
Ébauche moyenne							
	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		
Ébauche moyenne							
	RCMT0602M0	●	6	2.38	—	2.8	
	0803M0	●	8	3.18	—	3.4	
Ébauche moyenne							



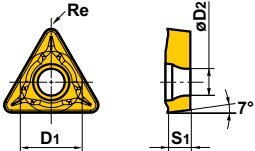

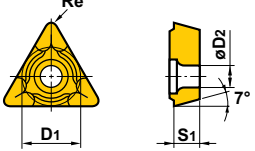


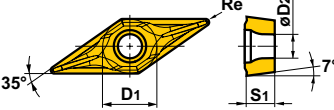

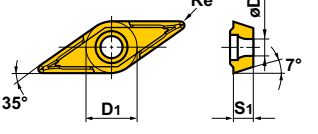


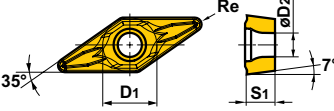


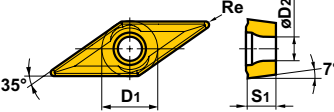

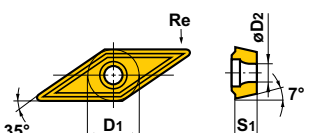
UE6110

PLAQUETTES

● 7° Plaquettes positives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		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	
Ébauche moyenne							
	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	
Ébauche moyenne							
	SCMT09T304-FP	●	9.525	3.97	0.4	4.4	
	09T308-FP	●	9.525	3.97	0.8	4.4	
Usinage de finition							
	SCMT09T304-LP	●	9.525	3.97	0.4	4.4	
	09T308-LP	●	9.525	3.97	0.8	4.4	
Semi-finition							
	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	
Ébauche moyenne							
	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	
Ébauche moyenne							
	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	
Usinage de finition							
	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	
Semi-finition							


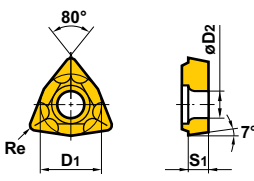
● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		<i>UE6110</i>	D1	S1	Re	D2	
  Ébauche moyenne	TCMT090204-MP	●	5.56	2.38	0.4	2.5	
	090208-MP	●	5.56	2.38	0.8	2.5	
	110204-MP	●	6.35	2.38	0.4	2.8	
	110208-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	
 Ébauche moyenne	TCMT090204	●	5.56	2.38	0.4	2.5	
	110202	●	6.35	2.38	0.2	2.8	
	110204	●	6.35	2.38	0.4	2.8	
	110208	●	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	
  Usinage de finition	VCMT110302-FP	●	6.35	3.18	0.2	2.8	
	110304-FP	●	6.35	3.18	0.4	2.8	
	160404-FP	●	9.525	4.76	0.4	4.4	
	160408-FP	●	9.525	4.76	0.8	4.4	
 Usinage de finition	VCMT160404-FV	●	9.525	4.76	0.4	4.4	
	160408-FV	●	9.525	4.76	0.8	4.4	
  Semi-finition	VCMT110304-LP	●	6.35	3.18	0.4	2.8	
	110308-LP	●	6.35	3.18	0.8	2.8	
	160404-LP	●	9.525	4.76	0.4	4.4	
	160408-LP	●	9.525	4.76	0.8	4.4	
  Ébauche moyenne	VCMT160404-MP	●	9.525	4.76	0.4	4.4	
	160408-MP	●	9.525	4.76	0.8	4.4	
	160412-MP	●	9.525	4.76	1.2	4.4	
 Ébauche moyenne	VCMT110304	●	6.35	3.18	0.4	2.8	
	160404	●	9.525	4.76	0.4	4.4	
	160408	●	9.525	4.76	0.8	4.4	
	160412	●	9.525	4.76	1.2	4.4	


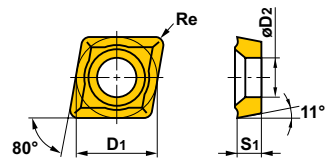
UE6110

PLAQUETTES


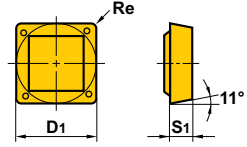

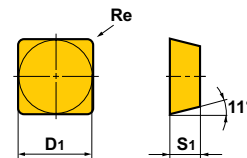
● 7° Plaquettes positives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Ébauche moyenne	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	


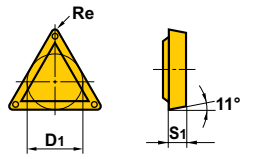

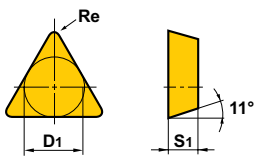
● 11° Plaquettes positives (trouées)

Forme	Référence	Stock	Dimensions (mm)				Géométrie
		UE6110	D1	S1	Re	D2	
 Ébauche moyenne	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	

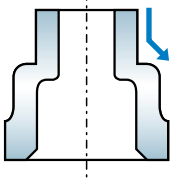
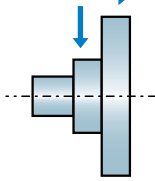
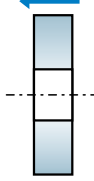
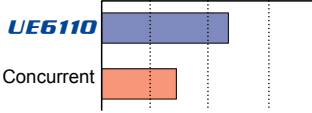
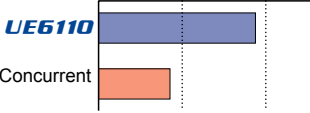

● 11° Plaquettes positives (non trouées)

Forme	Référence	Stock	Dimensions (mm)			Géométrie
		UE6110	D1	S1	Re	
 Coupe légère et moyenne	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	
 Plate dessus	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	

● : Article stocké.

Forme	Référence	Stock	Dimensions (mm)			Géométrie
		UE6110	D1	S1	Re	
Standard  Coupe légère et moyenne	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	
Plate dessus 	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	

EXEMPLES D'UTILISATION

Plaque amovible	CNMG120416-MA	WNMG080412-MW	TNMG160408-RP	
Pièce	100Cr6 	41CrMo4 	25CrMo4 	
Conditions de coupe	Vitesse de coupe (m/min)	240	210	250
	Avance (mm/tr)	0.3 – 0.4	0.3	0.25
	Profondeur de coupe (mm)	3.0 – 4.0	3.0	2.0
Arrosage	Coupe lubrifiée	Coupe lubrifiée	Coupe lubrifiée	
Résultats	<p>Pièces/arête 100 200 300</p>  <p>Avec la nuance UE6110 la durée de vie de l'outil a été 1,5 plus longue, sans aucune usure anormale grâce à son excellente résistance à l'usure.</p>	<p>Pièces/arête 10 20</p>  <p>Avec la nuance UE6110, la durée de vie a été plus que doublée.</p>	<p>UE6110 Concurrent</p>  <p>La nuance UE6110 a évité l'usure en cratère grâce à son excellente résistance à l'usure</p>	



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