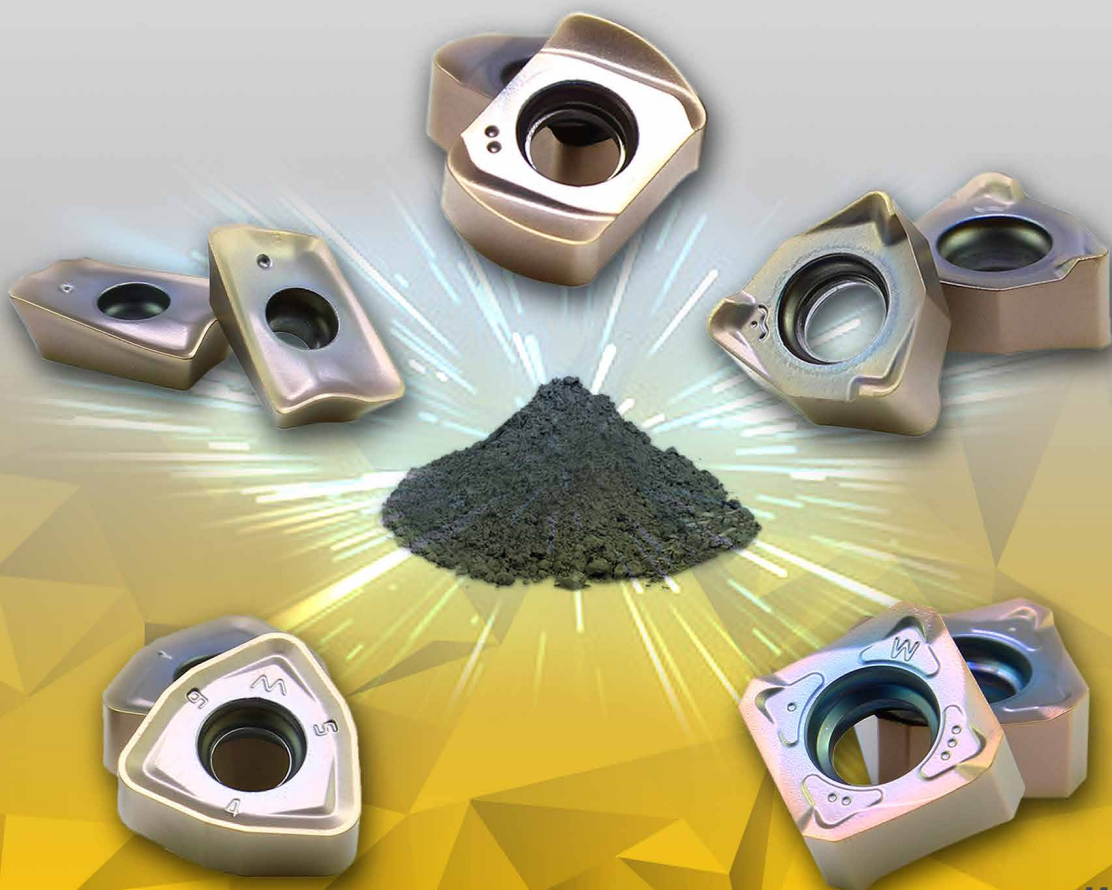


2020 Indexable Milling Inserts

2020 銑刀片規格總覽

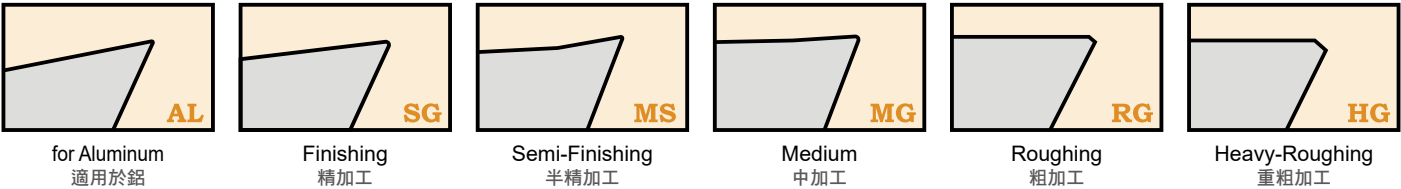
- **Integrated manufacturing process :
pressing, sintering, grinding, coating.**
整合性製造流程：沖壓、燒結、研磨、塗層
- **In house inventory for standard product lines.**
所有標準產品皆庫存完整
- **Customized insert development technologies,
i.e. 3d drawing and special die designs.**
客製化刀片開發技術，如 3D 繪圖和特殊模具設計



Milling Insert Grades 銑刀片材質等級

Grade Type 材質類別	Coating Type 塗層種類	Properties 屬性	Application 加工特性	Working Material 加工材質						Industry Area 產業應用範圍
				P	M	K	N	S	H	
CX12HS	PVD	• HRA 93 • Wear resistance 高耐磨性基材	• Continuous finishing machining • For Hardened steel 適用於連續穩定精加工 適合高硬度鋼銑削	○	○	○		○	●	• Die and mould • Hardened parts 模具產業 硬質零件
CX22HS (CX21NS)	PVD	• HRA 92 • Wear resistance 高耐磨性基材	• Continuous semi-finishing machining • For Hardened steel and Cast Iron 適用於連續穩定輕加工 適合高硬度鋼和鑄鐵銑削	●	○	●		○	●	• Die and mould • Hardened parts 模具產業 硬質零件
CX32HS (CX31NS) (CX31NA)	PVD	• HRA 91.6 • Wear resistance 高耐磨性基材	• Medium machining • For Carbon steel, Alloy steel and Stainless steel 適用於中加工 適合碳鋼、合金鋼和不鏽鋼銑削	●	●	●		○	○	• Auto parts • Machinery parts 汽車零件 機械零件
CX42HS	PVD	• HRA 89.9 • Impact resistance • High toughness 抗衝擊性基材 高韌性	• Roughing or interrupted machining • For Carbon steel, Alloy steel and Stainless steel 適用於粗加工或斷續加工 適合碳鋼、合金鋼和不鏽鋼銑削	●	○	○		○		• Auto parts • Machinery parts 汽車零件 機械零件
CX46HT	CVD	• HRA 89.9 • Impact resistance • High toughness 抗衝擊性基材 高韌性	• Roughing or interrupted machining • For Carbon steel, Alloy steel and Stainless steel 適用於粗加工或斷續加工 適合碳鋼、合金鋼和不鏽鋼銑削	●	●	●		○	○	• Auto parts • Machinery parts 汽車零件 機械零件
CX52HS	PVD	• HRA 90 • Heat resistance • High toughness 耐熱性基材 高韌性	• Roughing or interrupted machining • For Stainless steel and Difficult-to-cut material 適用於粗加工或斷續加工 適合不鏽鋼和難加工材料銑削	●	●			●		• Auto and Machinery parts • Aircraft parts 汽車和機械零件 航太零件

Milling Insert Chip Breakers 銑刀片斷屑槽介紹

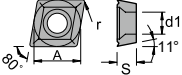
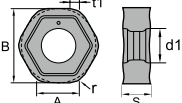
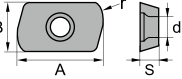
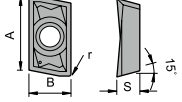
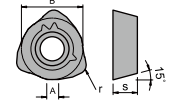
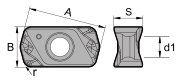
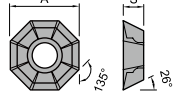
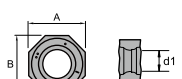


Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	APKT100304PDER-MG <i>I</i>		✓	✓	✓		10.5	6.7	3.5	0.4	2.8	-	
	APKT100308PDER-MG <i>I</i>		✓	✓			10.5	6.7	3.5	0.8	2.8	-	
	APKT100304PDER-RG <i>I</i>			✓			10.5	6.7	3.5	0.4	2.8	-	
	APKT160408PDER-MG <i>I</i>		✓	✓	✓		16.3	9.525	5.25	0.8	4.5	-	
	APKT160408PDER-RG <i>I</i>		✓	✓	✓		16.3	9.525	5.25	0.8	4.5	-	
	APKT170516PEER-RG <i>T</i>	✓					18.5	10.7	5.56	1.6	4.5	-	
	APET160402PDFR-AL <i>I</i>	CX03 for Aluminum					16.3	9.525	4.76	0.2	4.5	-	
	APMT103508PDER-RG <i>S</i>		✓	✓	✓		10.64	6.5	3.5	0.8	3	-	
	APMT113508PDER-MG <i>M</i>		✓	✓	✓		11.0	6.35	3.5	0.8	2.8	-	
	APMT113516PDER-MG <i>M</i>		✓	✓	✓		11.0	6.35	3.5	1.6	2.8	-	
	APMT113508PDER-RG <i>M</i>		✓	✓	✓		11.0	6.35	3.5	0.8	2.8	-	
	APMT113508PDER-HG <i>M</i>			✓	✓		11.0	6.35	3.5	0.8	2.8	-	

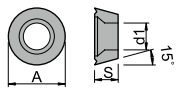
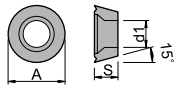
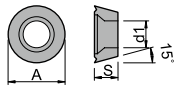
*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	APMT160408PDER-MG <i>M</i>		✓	✓	✓		16.5	9.525	4.76	0.8	4.4	-	
	APMT160416PDER-MG <i>M</i>			✓			16.5	9.525	4.76	1.6	4.4	-	
	APMT160408PDER-RG <i>M</i>		✓	✓	✓		16.5	9.525	4.76	0.8	4.4	-	
	APMT160408PDER-HG <i>M</i>		✓	✓	✓		16.5	9.525	4.76	0.8	4.4	-	
	APGT160408PDER-AL <i>M</i>	CX03 for Aluminum					16.5	9.525	4.76	0.8	4.4	-	
	AXMT123508PEER-RG <i>S</i>		✓	✓	✓		12.18	6.93	3.58	0.8	3.4	-	
	AXMT170508PEER-RG <i>S</i>			✓	✓		17.50	10.2	5.56	0.8	4.6	-	
	AXMT170516PEER-RG <i>S</i>			✓	✓		17.50	10.2	5.56	1.6	4.6	-	
	<i>Double Sided</i> BNMX0603-SG <i>T</i>		✓	✓	✓		9.0	6.38	3.75	-	3.2	-	
	<i>Double Sided</i> BNMX0603-MG <i>T</i>		✓	✓	✓		9.0	6.38	3.75	-	3.2	-	
	<i>Double Sided</i> BNMX0603-RG <i>T</i>		✓	✓	✓		9.0	6.38	3.75	-	3.2	-	
	<i>Double Sided</i> BNMX0904-MG <i>T</i>		✓	✓	✓		11.9	9.18	4.8	-	4.2	-	

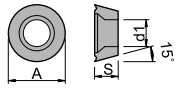
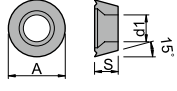
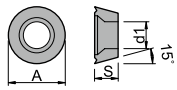
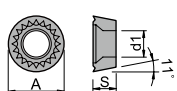
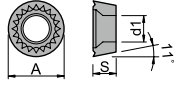
*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	CPMT090308-MG <i>H</i>			✓	✓		9.525	-	3.18	0.8	4.4	-	
	CPMT120408-MG <i>H</i>			✓	✓		12.7	-	4.76	0.8	5.5	-	
	<i>Double Sided</i> HNMX0704-MS <i>W</i>					✓	6.8	12.7	4.45	1.2	4.9	1.4	
	ISR145 <i>S</i>		✓	✓	✓		12	7.0	3.0	1.45	3.4	-	
	JDMT150508R-MG <i>H</i>			✓	✓		15.1	9.12	5.0	0.8	4.5	-	
	JDMW120420ZDSR-RG <i>M</i>		✓	✓	✓		2.5	12.0	4.76	2.0	4.75	-	
	JDMW140520ZDSR-RG <i>M</i>			✓			2.8	1.4	5.56	2.0	5.75	-	
	<i>NEW</i> <i>Double Sided</i> LNMX0303-MG <i>T</i>		✓	✓	✓		11.59	6.0	4.29	-	2.85	-	
	OFMT05T3TN-MG <i>T</i>			✓	✓		12.7	-	3.8	0.6	4.6	-	
	OFMT05T3TN-RG <i>T</i>			✓	✓		12.7	-	3.8	0.6	4.6	-	
	<i>Double Sided</i> ONMX0505-RG <i>W</i>		✓	✓	✓		12.7	12.7	6.4	-	6	-	

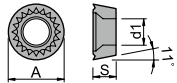
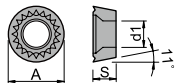
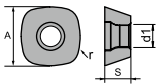
***Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional**
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	RDKW0501MOE S		✓	✓	✓		5	-	1.59	-	2.2	-	
	RDKW0702MO S		✓	✓			7	-	2.38	-	2.8	-	
	RDKW0702MOE S		✓	✓	✓		7	-	2.38	-	2.8	-	
	RDKW0702MOT S		✓	✓			7	-	2.38	-	2.8	-	
	RDMT1003MOE T		✓	✓			10	-	3.18	-	3.9	-	
	RDMT1003MOT T		✓	✓			10	-	3.18	-	3.9	-	
	RDMX1003MOE K		✓	✓	✓		10	-	3.18	-	4.15	-	
	RDMX1003MOT K		✓	✓	✓		10	-	3.18	-	4.15	-	
	RDMT10T3MOE H		✓	✓	✓		10	-	3.97	-	4.5	-	
	RDMT10T3MOT H			✓	✓		10	-	3.97	-	4.5	-	
	RDMW10T3MOE H			✓			10	-	3.97	-	4.5	-	

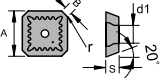
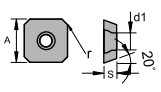
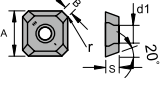
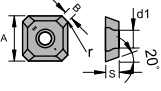
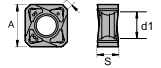
*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	RDMT12T3MOE <i>T</i>			✓			12	-	3.97	-	4.1	-	
	RDMX12T3MOE <i>L</i>		✓	✓			12	-	3.97	-	4.1	-	
	RDMX12T3MOT <i>L</i>		✓	✓	✓		12	-	3.97	-	4.1	-	
	RDMT1204MOT <i>H</i>		✓	✓	✓		12	-	4.76	-	4.4	-	
	RDMW1204MOT <i>W</i>		✓	✓	✓		12	-	4.76	-	4.4	-	
	RDMT1604MOT <i>H</i>		✓	✓	✓		16	-	4.76	-	5.5	-	
	RDMW1604MOT <i>H</i>		✓	✓	✓		16	-	4.76	-	5.5	-	
	RPMT08T2MOE <i>M</i>			✓	✓		8	-	2.78	-	3.2	-	
	RPMT08T2MOT <i>M</i>			✓			8	-	2.78	-	3.2	-	
	RPMW1003MOE <i>M</i>		✓	✓	✓		10	-	3.18	-	4.6	-	
	RPMW1003MOT <i>M</i>		✓	✓	✓		10	-	3.18	-	4.6	-	

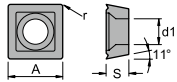
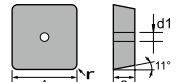
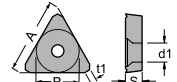
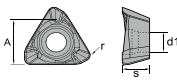
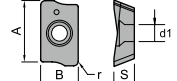
*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	RPMT10T3MOE <i>M</i>			✓	✓		10	-	3.97	-	4.5	-	
	RPMT10T3MOT <i>M</i>			✓	✓		10	-	3.97	-	4.3	-	
	RPMT1204MOE <i>M</i>		✓	✓	✓		12	-	4.76	-	4.3	-	
	RPMT1204MOT <i>M</i>		✓	✓	✓		12	-	4.76	-	4.3	-	
	RPMW1204MOE <i>M</i>			✓	✓		12	-	4.76	-	4.3	-	
	RPMW1204MOT <i>M</i>			✓	✓		12	-	4.76	-	4.3	-	
	SDMT1205ZDEN-SG <i>H</i>			✓			12.7	-	5.56	15	4.6	-	
	SDMT1205ZDTN-MG <i>H</i>			✓	✓		12.7	-	5.56	15	4.6	-	
	SDMT1205ZDTN-RG <i>H</i>			✓	✓		12.7	-	5.56	15	4.6	-	
	SDNW1205ZDEN-MG <i>H</i>			✓			12.7	-	5.56	15	4.6	-	
	SDNW1205ZDTN-RG <i>H</i>		✓	✓	✓		12.7	-	5.56	15	4.6	-	

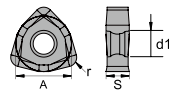
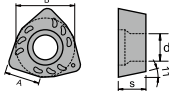
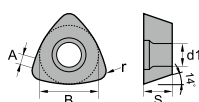
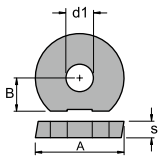
*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	SEMR1203AFSN-RG <i>T</i>			✓			12.7	1.6	3.18	1	2	-	
	SEKT1204AFFN-MG <i>K</i>			✓			12.7	-	4.76	0.8	5.5	-	
	SEKT1204AFTN-RG <i>K</i>			✓	✓		12.7	-	4.76	0.8	5.5	-	
	SEKW1204AFFN <i>K</i>			✓			12.7	-	4.76	0.8	5.5	-	
	SEKW1204AFTN <i>K</i>			✓			12.7	-	4.76	0.8	5.5	-	
	SEET1204AFFN-AL <i>K</i>	CX03 for Aluminum					12.7	-	4.76	0.8	5.5	-	
	SEMT13T3AGEN-MM <i>M</i>			✓	✓		13.4	1.9	3.97	1.5	4.2	-	
	SEMT13T3AGSN-MG <i>M</i>		✓	✓	✓		13.4	1.9	3.97	1.5	4.2	-	
	SEMT13T3AGSN-RG <i>M</i>			✓	✓		13.4	1.9	3.97	1.5	4.2	-	
	SEMT13T3AGSN-HG <i>M(S)</i>			✓	✓		13.4	1.9	3.97	1.5	4.2	-	
	SEET13T3AGFN-AL <i>M</i>	CX03 for Aluminum					13.4	1.9	3.97	1.5	4.2	-	
	Double Sided SNMX1205-MG <i>W</i>		✓	✓	✓		12.7	1.5	6.4	-	6	-	
	Double Sided SNMX1205-RG <i>W</i>		✓	✓	✓		12.7	1.5	6.4	-	6	-	

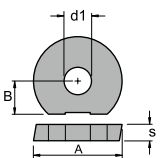
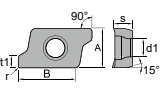
***Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional**
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	SPMG050204-MG T		✓	✓	✓		5.00	-	2.38	0.4	2.30	-	
	SPMG060204-MG T		✓	✓	✓		6.00	-	2.38	0.4	2.65	-	
	SPMG07T308-MG T		✓	✓	✓		7.94	-	3.97	0.8	2.85	-	
	SPMG090408-MG T			✓	✓		9.80	-	4.3	0.8	4.05	-	
	SPMG090408-RG T		✓	✓	✓		9.80	-	4.3	0.8	4.05	-	
	SPMG110408-MG T			✓	✓		11.50	-	4.8	0.8	4.45	-	
	SPMG110408-RG T		✓	✓	✓		11.50	-	4.8	0.8	4.45	-	
	SPMN120308			✓			12.7	-	3.18	0.8	2	-	
	TPKR1603PPR-RG I			✓	✓		16.5	9.525	3.1	-	2.2	1.423	
	TPMX100408-MG T		✓	✓	✓		6.9	-	4	0.8	3	-	
	W39011T308-MG S		✓	✓	✓		11	6.9	3.59	0.8	2.8	-	
	 W39011T320-MG S		✓	✓			11	6.9	3.59	2.0	2.8	-	

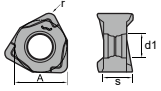
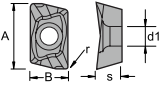
*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
 	Double Sided WNNMX09T316-MG K		✓	✓			9.525	-	3.97	1.6	3.6	-	
	Double Sided WNNMX09T316-RG K		✓	✓	✓		9.525	-	3.97	1.6	3.6	-	
	Double Sided WNNMX130516-MG S		✓	✓	✓		12.7	-	6.02	1.6	4.7	-	
	WPMW080615ZPSR-RG T			✓			8	12.87	6.35	1.5	5.5	-	
 	WP26339R14-RG W			✓			-	9.52	3.97	1.2	4.4	-	
 	WP26379R25-RG W		✓	✓		✓	1.1	13	5.56	2.0	5.5	-	
 	WP3212-SM W	✓	✓				12	6	2.5	-	5	-	
 	WP3216-SM W	✓	✓				16	6	3	-	5	-	
 	WP3220-SM W	✓	✓				20	6	3	-	5	-	
 	WP3225-SM W	✓	✓				25	9	4	-	6	-	
 	WP3232-SM W		✓				32	10	5	-	8	-	
 	WP3212-SG W		✓				12	6	2.5	-	5	-	
	WP3216-SG W		✓				16	6	3	-	5	-	
	WP3220-SG W		✓				20	6	3	-	5	-	
	WP3225-SG W		✓				25	9	4	-	6	-	

*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
	WP3212-MM W		✓				12	6	2.5	-	5	-	
	WP3216-MM W		✓				16	6	3	-	5	-	
	WP3220-MM W		✓				20	6	3	-	5	-	
	WP3225-MM W		✓				25	9	4	-	6	-	
	WP3232-MM W		✓				32	10	5	-	8	-	
	WP3212-MG W		✓				12	6	2.5	-	5	-	
	WP3216-MG W		✓				16	6	3	-	5	-	
	WP3220-MG W		✓				20	6	3	-	5	-	
	WP3225-MG W		✓				25	9	4	-	6	-	
	WRT070204-RG S		✓	✓	✓		4.30	6.4	2.38	0.4	2.2	1.3	
	WRT100308-RG S		✓	✓	✓		6.35	9.3	3.4	0.8	2.9	1.8	

*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇

Inserts 刀片	Item No. 名稱	Grade No. 材質					Dimensions (mm) 尺寸						Drawing 圖形
		CX12HS	CX22HS	CX32HS	CX42HS	CX52HS	A	B	S	r	d1	t1	
 	Double Sided XNMX040304-MG S		✓	✓			6.7	-	3.285	0.4	3.15	-	
	Double Sided XNMX040308-MG S		✓	✓	✓		6.7	-	3.285	0.8	3.15	-	
	Double Sided XNMX080608-MG S		✓	✓	✓		12.53	-	6.5	0.8	4.5	-	
	Double Sided XNMX080608-RG S			✓	✓		12.53	-	6.5	0.8	4.5	-	
	XOMT060204-MG S		✓	✓			7	4.09	2.45	0.4	2	-	
	XOMT060208-MG S		✓	✓	✓		7	4.09	2.45	0.8	2	-	
	XOMT10T308-MS S				✓	✓	11.08	6.86	3.8	0.8	3	-	

*Customized geometries acceptable & previous grades(CX21NS, CX31NA, CX31NS) optional
提供刀片幾何客製化服務 & 早期刀片材質 (CX21NS, CX31NA, CX31NS) 可選擇