

Turning Tools

PCD (Polycrystalline Diamond) Turning Inserts

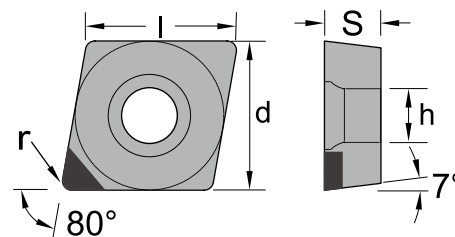
聚晶鑽石車刀片

- **For aluminum alloy and carbide cutting.**
適用於鋁合金及碳化鎢加工
- **Outstanding brazing strength.**
優秀的焊接強度
- **The PCD tools provide long tool life, more economical.**
PCD 超硬刀具可延長刀具切削壽命，更加經濟



Insert Specification 刀片規格

Insert	Dimensions (mm)			
	d	l	S	h
CCGW0602	6.35	6.4	2.38	2.8
CCGW09T3	9.53	9.7	3.97	4.4
CCGW1204	12.7	12.9	4.76	5.5



Insert Geometry 刀片幾何

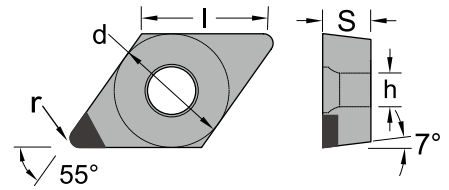
Chipbreaker 斷屑槽	Application 特性
FG	Sharp geometry design for finishing cutting.
MG	Low cutting force for medium.

Order Code 刀片訂購碼

Insert	Order No. 訂購編碼	Designation 名稱	r	Working Material					
				P	M	K	N	S	H
	ICCGW060202FG30	CCGW060202-FG-DIA30	0.2				●		
	ICCGW060204FG30	CCGW060204-FG-DIA30	0.4				●		
	ICCGW09T302FG30	CCGW09T302-FG-DIA30	0.2				●		
	ICCGW09T304FG30	CCGW09T304-FG-DIA30	0.4				●		
	ICCGW09T308FG30	CCGW09T308-FG-DIA30	0.8				●		
	ICCGW120402FG30	CCGW120402-FG-DIA30	0.2				●		
	ICCGW120404FG30	CCGW120404-FG-DIA30	0.4				●		
	ICCGW120408FG30	CCGW120408-FG-DIA30	0.8				●		
	ICCGW060202MG30	CCGW060202-MG-DIA30	0.2				●		
	ICCGW060204MG30	CCGW060204-MG-DIA30	0.4				●		
	ICCGW09T302MG30	CCGW09T302-MG-DIA30	0.2				●		
	ICCGW09T304MG30	CCGW09T304-MG-DIA30	0.4				●		
	ICCGW09T308MG30	CCGW09T308-MG-DIA30	0.8				●		
	ICCGW120402MG30	CCGW120402-MG-DIA30	0.2				●		
	ICCGW120404MG30	CCGW120404-MG-DIA30	0.4				●		
	ICCGW120408MG30	CCGW120408-MG-DIA30	0.8				●		

Insert Specification 刀片規格

Insert	Dimensions (mm)			
	d	l	S	h
DCGW0702	6.35	7.75	2.38	2.8
DCGW11T3	9.53	11.6	3.97	4.4



Insert Geometry 刀片幾何

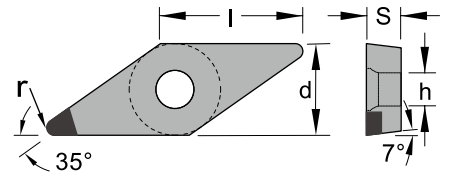
Chipbreaker 斷屑槽	Application 特性
FG	Sharp geometry design for finishing cutting.
MG	Low cutting force for medium.

Order Code 刀片訂購碼

Insert	Order No. 訂購編碼	Designation 名稱	r	Working Material					
				P	M	K	N	S	H
	IDCGW070202FG30	DCGW070202-FG-DIA30	0.2				●		
	IDCGW070204FG30	DCGW070204-FG-DIA30	0.4				●		
	IDCGW11T302FG30	DCGW11T302-FG-DIA30	0.2				●		
	IDCGW11T304FG30	DCGW11T304-FG-DIA30	0.4				●		
	IDCGW070202MG30	DCGW070202-MG-DIA30	0.2				●		
	IDCGW070204MG30	DCGW070204-MG-DIA30	0.4				●		
	IDCGW11T302MG30	DCGW11T302-MG-DIA30	0.2				●		
	IDCGW11T304MG30	DCGW11T304-MG-DIA30	0.4				●		

Insert Specification 刀片規格

Insert	Dimensions (mm)			
	d	l	S	h
VCGW1103	11.1	6.35	3.18	2.8
VCGW1604	9.525	16.6	4.76	4.4



Insert Geometry 刀片幾何

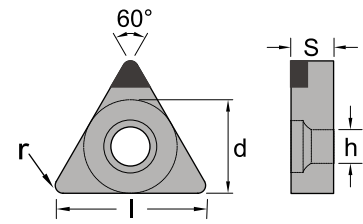
Chipbreaker 斷屑槽	Application 特性
FG	Sharp geometry design for finishing cutting.
MG	Low cutting force for medium.

Order Code 刀片訂購碼

Insert	Order No. 訂購編碼	Designation 名稱	r	Working Material					
				P	M	K	N	S	H
	IVCGW110302FG30	VCGW110302-FG-DIA30	0.2				●		
	IVCGW110304FG30	VCGW110304-FG-DIA30	0.4				●		
	IVCGW160402FG30	VCGW160402-FG-DIA30	0.2				●		
	IVCGW160404FG30	VCGW160404-FG-DIA30	0.4				●		
	IVCGW110302MG30	VCGW110302-MG-DIA30	0.2				●		
	IVCGW110304MG30	VCGW110304-MG-DIA30	0.4				●		
	IVCGW160402MG30	VCGW160402-MG-DIA30	0.2				●		
	IVCGW160404MG30	VCGW160404-MG-DIA30	0.4				●		

Insert Specification 刀片規格

Insert	Dimensions (mm)			
	d	l	S	h
TNGA1604	9.53	16.5	4.76	3.81



Insert Geometry 刀片幾何

Chipbreaker 斷屑槽	Application 特性
MG	Low cutting force for medium.

Order Code 刀片訂購碼

Insert	Order No. 訂購編碼	Designation 名稱	r	Working Material					
				P	M	K	N	S	H
	ITNGA160402MG30	TNGA160402-MG-DIA30	0.2				●		
	ITNGA160404MG30	TNGA160404-MG-DIA30	0.4				●		
	ITNGA160408MG30	TNGA160408-MG-DIA30	0.8				●		

Material 工件材料	Aluminum alloys (Si < 12%) 鋁合金		Aluminum alloys (Si > 12%) 鋁合金		Brass 黃銅		Carbide (HRA < 85) 碳化鎢	
	Finishing	Roughing	Finishing	Roughing	Finishing	Roughing	Finishing	Roughing
VC (m/min) 線速度	700 ~ 2700	600 ~ 2400	270 ~ 800	200 ~ 700	600 ~ 1300	400 ~ 900	20 ~ 30	20 ~ 25
fr (mm/rev)	0.03 ~ 0.18	0.09 ~ 0.54	0.03 ~ 0.18	0.09 ~ 0.36	0.05 ~ 0.36	0.09 ~ 0.36	0.05 ~ 0.18	0.09 ~ 0.27
AP (mm)	0.05 ~ 0.90	0.27 ~ 4.50	0.05 ~ 0.07	0.09 ~ 2.25	0.05 ~ 0.45	0.45 ~ 1.80	0.05 ~ 0.18	0.09 ~ 0.45