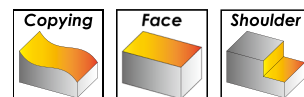
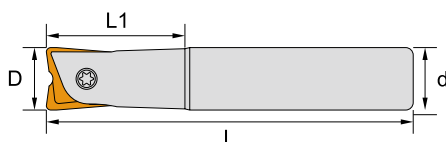


## CGVV Series



- Use WPBC16 inserts.
- Various corner radii available for copy or shoulder milling.
- 25~50mm cutter diameter.
- 使用 WPBC16 銑刀片
- 提供各種圓角，用於仿形或方肩銑削
- 16mm 刀桿直徑

## CGVV - Milling tools 仿形銑刀



Insert Brand 建議刀片：Winstar, LMT tools, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICGWVE016150	16	35	150	16	2	WPBC16..	MGR5016	ETL20	●
ICGWVE016200	16	35	200	16	2				●

● stock ○ by inquiry

### Recommended Cutting Conditions 建議切削數據

for Copy milling 適用於仿形銑削

Working Material	Vc	fz	ap	ae
Carbon Steel / Alloy Steel	170 ~ 270	0.20 ~ 0.25	≤ 0.03D	≤ 0.03D
Stainless Steel	170 ~ 190	0.20 ~ 0.25	≤ 0.03D	≤ 0.03D
Cast Iron	170 ~ 230	0.20 ~ 0.25	≤ 0.04D	≤ 0.04D
High Temperature Alloy	50 ~ 80	0.20 ~ 0.25	≤ 0.02D	≤ 0.02D
Hardened Steel	80 ~ 210	0.15 ~ 0.25	≤ 0.02D	≤ 0.02D

### for Shoulder milling 適用於方肩銑削

Working Material	Vc	fz	ap	ae
Carbon Steel / Alloy Steel	120 ~ 190	0.20 ~ 0.25	0.1 ~ 3	0.1D ~ 1D
Stainless Steel	120 ~ 135	0.20 ~ 0.25	0.1 ~ 3	0.1D ~ 1D
Cast Iron	120 ~ 160	0.20 ~ 0.25	0.1 ~ 3	0.1D ~ 1D
High Temperature Alloy	35 ~ 55	0.20 ~ 0.25	0.1 ~ 0.5	0.1D ~ 1D
Hardened Steel	55 ~ 145	0.15 ~ 0.25	0.1 ~ 0.5	0.1D ~ 1D

※ D = cutter cutting diameter D = 刀桿切削直徑

**Copy Milling - CGVV** 仿形銑刀

**Insert Specifications** 刀片規格

Insert	Dimensions (mm)						
	A	B	t1	st	S	r	d1
WPBC1605	16	6	16	3	3	0.5	5
WPBC1610	16	6	16	3	3	1.0	5
WPBC1613	16	6	16	3	3	1.3	5
WPBC1620	16	6	16	3	3	2.0	5
WPBC1630	16	6	16	3	3	3.0	5

**Insert Designation** 刀片型號

Insert	Order No. 訂購編碼	Designation 型號	Continuous 連續加工	Interrupted 斷續加工	Working Material					
					P	M	K	N	S	H
	IWPBC1605MM33TX	WPBC1605-MM-CX33TX	✓		●	●	●		●	●
	IWPBC1605MM43TX	WPBC1605-MM-CX43TX		✓	●	●	●		●	
	IWPBC1610MM33TX	WPBC1610-MM-CX33TX	✓		●	●	●		●	●
	IWPBC1610MM43TX	WPBC1610-MM-CX43TX		✓	●	●	●		●	
	IWPBC1613MM33TX	WPBC1613-MM-CX33TX	✓		●	●	●		●	●
	IWPBC1613MM43TX	WPBC1613-MM-CX43TX		✓	●	●	●		●	
	IWPBC1620MM33TX	WPBC1620-MM-CX33TX	✓		●	●	●		●	●
	IWPBC1620MM43TX	WPBC1620-MM-CX43TX		✓	●	●	●		●	
	IWPBC1630MM33TX	WPBC1630-MM-CX33TX	✓		●	●	●		●	●
	IWPBC1630MM43TX	WPBC1630-MM-CX43TX		✓	●	●	●		●	

**CF21 holder can be use WPBC16 or WP3216 inserts** CF21 刀桿可使用 WPBC16 或 WP3216 刀片

