Copy Milling Series Introduction 仿形銑刀系列介紹

CARD Series

- Use RDMT or RDMW 2.5R, 3R, 3.5R, 5R, 6R and 8R round inserts.
- Suitable for mould & die machining and steel profiling.
- 10~100mm cutter diameter.

- 使用 RDMT 或 RDMW 2.5R, 3R, 3.5R, 5R, 6R 或 8R 圓形銑刀片
- 適用於模具與各類型鋼料仿形加工
- 10~100mm 刀桿直徑

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CARP Series

- Use RPMT or RPMW 4R, 5R and 6R round inserts.
- Suitable for mould & die machining and steel profiling.
- 16~80mm cutter diameter.

- 使用 RPMT 或 RPMW 4R, 5R 或 6R 圓形銑刀片
- 適用於模具與各類型鋼料仿形加工
- 16~80mm 刀桿直徑

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CF21 Series

- Use WP32 5R, 6R, 8R, 10R, 12.5R and 16R ball nose inserts.
- Suitable for mould & die finish or medium copy milling.
- 10~32mm cutter diameter.

- 使用 WP32 5R, 6R, 8R, 10R, 12.5R 或 16R 球形銑刀片
- 適用於模具中加工或精加工應用的仿形銑削
- 10~32mm 刀桿直徑

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CF22 Series

- Use WP26 inserts.
- Ball nose cutters are suitable for mould & die copy roughing.
- 25~50mm cutter diameter.

- 使用 WP26 銑刀片
- 適用於粗加工應用的仿形銑削
- 25~50mm 刀桿直徑

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CGWV Series

- Use WPBC16 inserts.
- Various corner radii available for copy or shoulder milling.
- 16mm 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

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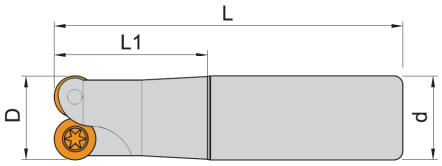
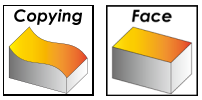
Copy Milling - CARD 仿形銑刀

- Use RDMT or RDMW 2.5R, 3R, 3.5R, 5R, 6R and 8R round inserts.
- Suitable for mould & die machining and steel profiling.
- 10~100mm cutter diameter.

- 使用 RDMT 或 RDMW 2.5R, 3R, 3.5R, 5R, 6R 或 8R 圓形銑刀片
- 適用於模具與各類型鋼料仿形加工
- 10~100mm 刀桿直徑

CARDE - Milling Tools 仿形銑刀



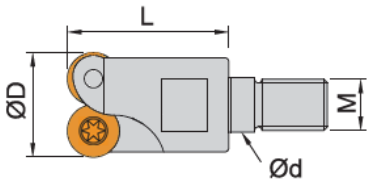


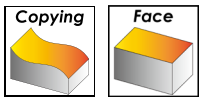
Insert Brand 建議刀片 : Winstar, Safety, Hitachi, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICARDE502010100	10	25	100	10	2	RDKW0501	ITS2003	ITK06	●
ICARDE502012100	12	25	100	12	2				○
ICARDE503016130	16	35	130	16	3				○
ICARDE703016130	16	40	130	16	3	RDKW0702	ITS2515	ITK08	○
ICARDE704020150	20	40	150	20	4				●
ICARDE704025150	25	40	150	25	4				○
ICARDE102025150	25	45	150	25	2	RDMT10T3 RDMW10T3	ITS3504	ITK15	●
ICARDE102030150	30	45	150	25	2				●
ICARDE103032150	32	45	150	32	3				○
ICARDE202032150	32	50	150	32	2	RDMT1204 RDMW1204	ITS4008	ITK15	○
ICARDE302020150	20	40	150	20	2	RDMT1003 RDMX1003	IMS3507A	ITK15	●
ICARDE303025150	25	40	150	25	3				●
ICARDE303026150	26	25	150	25	3				●
ICARDE303030150	30	25	150	25	3		IMS3509A		●
ICARDE304035150	35	40	150	32	4				●

● stock ○ by inquiry

CARDM - Modular Milling Heads 仿形銑刀頭





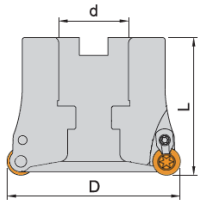
Insert Brand 建議刀片 : Winstar, Safety, Hitachi, ...

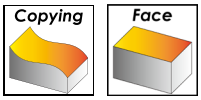
Order No. 訂購編碼	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICARDM502012060	12	21	6.5	M06	2	RDKW0501	ITS2003	ITK06	●
ICARDM503012060	12	21	6.5	M06	3				○
ICARDM504016080	16	26	8.5	M08	4				○
ICARDM703016080	16	26	8.5	M08	3	RDKW0702	ITS2515	ITK08	○
ICARDM704020100	20	32	10.5	M10	4				○
ICARDM705025120	25	38	12.5	M12	5				○
ICARDM103025120	25	38	12.5	M12	3	RDMT10T3 RDMW10T3	ITS3504	ITK10	●
ICARDM104030120	30	38	12.5	M12	4				●
ICARDM105032120	35	38	12.5	M12	5				○
ICARDM302020100	20	30	10.5	M10	2	RDMT1003 RDMX1003	IMS3507A	ITK15	●
ICARDM302021100	21	30	10.5	M10	2				●
ICARDM303025120	25	35	12.5	M12	3				●
ICARDM303026120	26	35	12.5	M12	3				●
ICARDM303030120	30	35	12.5	M12	3		IMS3509A		●

● stock ○ by inquiry

※ For screw-in type adapter, please refer to Tooling System 搭配鎖牙式刀桿，請參考刀具系統

CARDF - Milling Tools 仿形銑刀





Insert Brand 建議刀片 : Winstar, Hitachi, Kennametal, ...

Order No. 訂購編碼	D	L	d	T	Inserts	Screw	Wrench	Clamp	Clamp Screw	Stock
ICARDF104050220	50	45	22	4	RDMT10T3 RDMW10T3	ITS3504	ITK15	IRD-45	ITS4009	●
ICARDF106063220	63	45	22	6						●
ICARDF204050220	50	45	22	4	RDMT1204 RDMW1204	ITS4008	ITK15	IRD-6R	ITS5004	●
ICARDF205050220	50	45	22	5						●
ICARDF205063220	63	45	22	5						●
ICARDF206063220	63	45	22	6						●
ICARDF207080270	80	50	27	7						○
ICARDF208100320	100	50	32	8						○
ICARDF604063220	63	45	22	4	RDMT1604 RDMW1604	ITS5007	ITK20	IRD-68	ITS5009	●
ICARDF605063220	63	45	22	5						●
ICARDF606080270	80	50	27	6						○
ICARDF607100320	100	50	32	7						○
ICARDF305050220	50	40	22	5	RDMT1003 RDMX1003	IMS3509A	ITK15	IMC35-3V	-	●
ICARDF305050250	50	50	25.4	5						●
ICARDF306063250	63	50	25.4	6						●

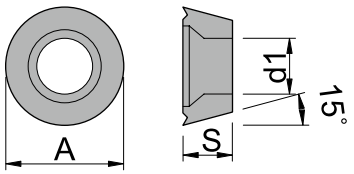
● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	Dia ≤ 10		Dia > 10	
		fz	ap	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.1 ~ 0.6	0.3 ~ 1.5	0.2 ~ 0.8	0.5 ~ 2.5
Stainless Steel	100 ~ 180	0.08 ~ 0.4	0.3 ~ 1.2	0.15 ~ 0.4	0.5 ~ 2.0
Cast Iron	120 ~ 250	0.1 ~ 0.6	0.3 ~ 1.5	0.2 ~ 0.8	0.5 ~ 2.5
High Temperature Alloy	40 ~ 100	0.08 ~ 0.3	0.3 ~ 1.0	0.15 ~ 0.3	0.3 ~ 2.0
Hardened Steel	50 ~ 100	0.08 ~ 0.3	0.3 ~ 1.0	0.15 ~ 0.3	0.3 ~ 2.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)		
	A	S	d1
RDKW0501	5	1.59	2.2
RDKW0702	7	2.38	2.8
RDMT1003	10	3.18	3.9
RDMX1003	10	3.18	4.15
RDMT10T3	10	3.97	4.5
RDMW10T3	10	3.97	4.5
RDMT12T3	12	3.97	4.1
RDMX12T3	12	3.97	4.1
RDMT1204	12	4.76	4.4
RDMW1204	12	4.76	4.4
RDMT1604	16	4.76	5.5
RDMW1604	16	4.76	5.5



Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IRDKW0501MOE23AX	RDKW0501MOE-CX23AX	○	○	○		○	●
	IRDKW0501MOE32HS	RDKW0501MOE-CX32HS	●	●	●		○	
	IRDKW0501MOE33TX	RDKW0501MOE-CX33TX	●	●	●		●	●
	IRDKW0702MOE23AX	RDKW0702MOE-CX23AX	○	○	○		○	●
	IRDKW0702MOE32HS	RDKW0702MOE-CX32HS	●	●	●		○	
	IRDKW0702MOE33TX	RDKW0702MOE-CX33TX	●	●	●		●	●
	IRDKW0702MOE43TX	RDKW0702MOE-CX43TX	●	●	●		●	
	IRDMT1003MOE23AX	RDMT1003MOE-CX23AX	○	○	○		○	●
	IRDMT1003MOE32HS	RDMT1003MOE-CX32HS	●	●	●		○	
	IRDMT1003MOE33TX	RDMT1003MOE-CX33TX	●	●	●		●	●
	IRDMT1003MOE43TX	RDMT1003MOE-CX43TX	●	●	●		●	
	IRDMT1003MOT23AX	RDMT1003MOT-CX23AX	○	○	○		○	●
	IRDMT1003MOT32HS	RDMT1003MOT-CX32HS	●	●	●		○	
	IRDMT1003MOT33TX	RDMT1003MOT-CX33TX	●	●	●		●	●
	IRDMT1003MOT43TX	RDMT1003MOT-CX43TX	●	●	●		●	

Copy Milling - CARD 仿形銑刀

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IRDMX1003MOE23AX	RDMX1003MOE-CX23AX	○	○	○		○	●
	IRDMX1003MOE32HS	RDMX1003MOE-CX32HS	●	●	●		○	
	IRDMX1003MOE33TX	RDMX1003MOE-CX33TX	●	●	●		●	●
	IRDMX1003MOE43TX	RDMX1003MOE-CX43TX	●	●	●		●	
	IRDMX1003MOT23AX	RDMX1003MOT-CX23AX	○	○	○		○	●
	IRDMX1003MOT32HS	RDMX1003MOT-CX32HS	●	●	●		○	
	IRDMX1003MOT33TX	RDMX1003MOT-CX33TX	●	●	●		●	●
	IRDMX1003MOT43TX	RDMX1003MOT-CX43TX	●	●	●		●	
	IRDMT10T3MOE23AX	RDMT10T3MOE-CX23AX	○	○	○		○	●
	IRDMT10T3MOE32HS	RDMT10T3MOE-CX32HS	●	●	●		○	
	IRDMT10T3MOE33TX	RDMT10T3MOE-CX33TX	●	●	●		●	●
	IRDMT10T3MOE43TX	RDMT10T3MOE-CX43TX	●	●	●		●	
	IRDMT10T3MOT23AX	RDMT10T3MOT-CX23AX	○	○	○		○	●
	IRDMT10T3MOT32HS	RDMT10T3MOT-CX32HS	●	●	●		○	
	IRDMT10T3MOT33TX	RDMT10T3MOT-CX33TX	●	●	●		●	●
	IRDMT10T3MOT43TX	RDMT10T3MOT-CX43TX	●	●	●		●	
	IRDMW10T3MOE32HS	RDMW10T3MOE-CX32HS	●	●	●		○	
	IRDMW10T3MOE33TX	RDMW10T3MOE-CX33TX	●	●	●		●	●
	IRDMW10T3MOT32HS	RDMW10T3MOT-CX32HS	●	●	●		○	
	IRDMW10T3MOT33TX	RDMW10T3MOT-CX33TX	●	●	●		●	●
	IRDMT12T3MOE23AX	RDMT12T3MOE-CX23AX	○	○	○		○	●
	IRDMT12T3MOE32HS	RDMT12T3MOE-CX32HS	●	●	●		○	
	IRDMT12T3MOE33TX	RDMT12T3MOE-CX33TX	●	●	●		●	●
	IRDMT12T3MOE37TA	RDMT12T3MOE-CX37TA	○	○	●		○	○
	IRDMT12T3MOT23AX	RDMT12T3MOT-CX23AX	○	○	○		○	●
	IRDMT12T3MOT32HS	RDMT12T3MOT-CX32HS	●	●	●		○	
	IRDMT12T3MOT33TX	RDMT12T3MOT-CX33TX	●	●	●		●	●
	IRDMX12T3MOE23AX	RDMX12T3MOE-CX23AX	○	○	○		○	●
	IRDMX12T3MOE32HS	RDMX12T3MOE-CX32HS	●	●	●		○	
	IRDMX12T3MOE33TX	RDMX12T3MOE-CX33TX	●	●	●		●	●
	IRDMX12T3MOE43TX	RDMX12T3MOE-CX43TX	●	●	●		●	
	IRDMX12T3MOT23AX	RDMX12T3MOT-CX23AX	○	○	○		○	●
	IRDMX12T3MOT32HS	RDMX12T3MOT-CX32HS	●	●	●		○	
	IRDMX12T3MOT33TX	RDMX12T3MOT-CX33TX	●	●	●		●	●
	IRDMX12T3MOT43TX	RDMX12T3MOT-CX43TX	●	●	●		●	

Insert Designation 刀片型號

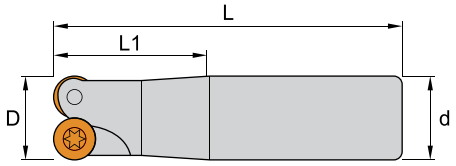
Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IRDHT1204MOE32HS	RDHT1204MOE-CX32HS	●	●	●		○	
	IRDHT1204MOE33TX	RDHT1204MOE-CX33TX	●	●	●		●	●
	IRDHT1204MOE32HS	RDHT1204MOE-CX32HS	●	●	●		○	
	IRDHT1204MOE33TX	RDHT1204MOE-CX33TX	●	●	●		●	●
	IRDMT1204MOE23AX	RDMT1204MOE-CX23AX	○	○	○		○	●
	IRDMT1204MOE32HS	RDMT1204MOE-CX32HS	●	●	●		○	
	IRDMT1204MOE33TX	RDMT1204MOE-CX33TX	●	●	●		●	●
	IRDMT1204MOE43TX	RDMT1204MOE-CX43TX	●	●	●		●	
	IRDMT1204MOT23AX	RDMT1204MOT-CX23AX	○	○	○		○	●
	IRDMT1204MOT32HS	RDMT1204MOT-CX32HS	●	●	●		○	
	IRDMT1204MOT33TX	RDMT1204MOT-CX33TX	●	●	●		●	●
	IRDMT1204MOT43TX	RDMT1204MOT-CX43TX	●	●	●		●	
	IRDMW1204MOE32HS	RDMW1204MOE-CX32HS	●	●	●		○	
	IRDMW1204MOE33TX	RDMW1204MOE-CX33TX	●	●	●		●	●
	IRDMW1204MOE43TX	RDMW1204MOE-CX43TX	●	●	●		●	
	IRDMW1204MOT23AX	RDMW1204MOT-CX23AX	○	○	○		○	●
	IRDMW1204MOT32HS	RDMW1204MOT-CX32HS	●	●	●		○	
	IRDMW1204MOT33TX	RDMW1204MOT-CX33TX	●	●	●		●	●
	IRDMW1204MOT43TX	RDMW1204MOT-CX43TX	●	●	●		●	
	IRDMW1204MOT37TA	RDMW1204MOT-CX37TA	○	○	●		○	○
	IRDMT1604MOT23AX	RDMT1604MOT-CX23AX	○	○	○		○	●
	IRDMT1604MOT32HS	RDMT1604MOT-CX32HS	●	●	●		○	
	IRDMT1604MOT33TX	RDMT1604MOT-CX33TX	●	●	●		●	●
	IRDMT1604MOT43TX	RDMT1604MOT-CX43TX	●	●	●		●	
	IRDMW1604MOT23AX	RDMW1604MOT-CX23AX	○	○	○		○	●
	IRDMW1604MOT32HS	RDMW1604MOT-CX32HS	●	●	●		○	
	IRDMW1604MOT33TX	RDMW1604MOT-CX33TX	●	●	●		●	●
	IRDMW1604MOT43TX	RDMW1604MOT-CX43TX	●	●	●		●	
	IRDMW1604MOT37TA	RDMW1604MOT-CX37TA	○	○	●		○	○

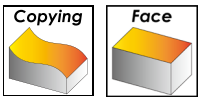
Copy Milling - CARP 仿形銑刀

- Use RPMT or RPMW 4R, 5R and 6R round inserts.
- Suitable for mould & die machining and steel profiling.
- 16~80mm cutter diameter.

- 使用 RPMT 或 RPMW 4R, 5R 或 6R 圓形銑刀片
- 適用於模具與各類型鋼料仿形加工
- 16~80mm 刀桿直徑

CARPE - Milling Tools 仿形銑刀





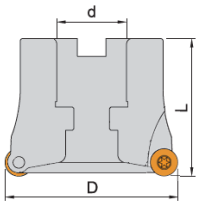
Insert Brand 建議刀片 : Winstar, Mitsubishi, ...

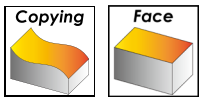
Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICARPE802016150	16	50	150	16	2	RPMT08T2	ITS3004	ITK09	●
ICARPE802020150	20	50	150	20	2				●
ICARPE803025150	25	40	150	25	3				●
ICARPE102025150	25	40	150	25	2	RPMT10T3	ITS3503	ITK15	●
ICARPE103030150	30	40	150	25	3				●
ICARPE103032150	32	40	150	32	3				●
ICARPE202032170	32	45	170	32	2	RPMT1204 RPMW1204	ITS4006	ITK15	●

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Clamp	Wrench	Stock
ICARPE302025150	25	50	150	25	2	RPMW1003	ITS4004	IAS5	ITK15	●
ICARPE302025180	25	50	180	25	2					●
ICARPE302025200	25	50	200	25	2					●
ICARPE302025250	25	50	250	25	2					●
ICARPE302026150	26	30	150	25	2					●
ICARPE302030150	30	35	150	25	2					●
ICARPE302030200	30	35	200	25	2					●
ICARPE302030300	30	35	300	25	2					●
ICARPE303032120	32	55	125	32	3					●
ICARPE303035150	35	55	150	32	3					●
ICARPE303035250	35	55	250	32	3					●
ICARPE303035300	35	55	300	32	3					●

● stock ○ by inquiry

CARPF - Milling Tools 仿形銑刀





Insert Brand 建議刀片 : Winstar, Mitsubishi, ...

Order No. 訂購編碼	D	L	d	T	Inserts	Screw	Wrench	Stock
ICARPF305050220	50	45	22	5	RPMT10T3	ITS3503	ITK15	●
ICARPF305050250	50	45	25.4	5				●
ICARPF306063220	63	45	22	6				○
ICARPF306063250	63	45	25.4	6				○
ICARPF204050250	50	45	25.4	4	RPMT1204 RPMW1204	ITS4006	ITK15	●
ICARPF205063220	63	45	22	5				●
ICARPF205063250	63	45	25.4	5				●
ICARPF206080250	80	50	25.4	6				●
ICARPF206080270	80	50	27	6				●

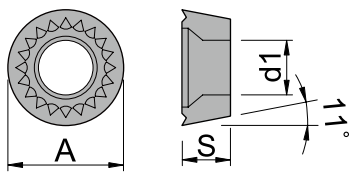
● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	Dia ≤ 10		Dia > 10	
		fz	ap	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.1 ~ 0.6	0.3 ~ 1.5	0.2 ~ 0.8	0.5 ~ 2.5
Stainless Steel	100 ~ 180	0.08 ~ 0.4	0.3 ~ 1.2	0.15 ~ 0.4	0.5 ~ 2.0
Cast Iron	120 ~ 250	0.1 ~ 0.6	0.3 ~ 1.5	0.2 ~ 0.8	0.5 ~ 2.5
High Temperature Alloy	40 ~ 100	0.08 ~ 0.3	0.3 ~ 1.0	0.15 ~ 0.3	0.3 ~ 2.0
Hardened Steel	50 ~ 100	0.08 ~ 0.3	0.3 ~ 1.0	0.15 ~ 0.3	0.3 ~ 2.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)		
	A	S	d1
RPMT08T2	8	2.78	3.2
RPMW1003	10	3.18	4.6
RPMT10T3	10	3.97	4.5
RPMT1204	12	4.76	4.3
RPMW1204	12	4.76	4.3



Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IRPMT08T2MOE32HS	RPMT08T2MOE-CX32HS	●	●	●		○	
	IRPMT08T2MOE33TX	RPMT08T2MOE-CX33TX	●	●	●		●	●
	IRPMT08T2MOE43TX	RPMT08T2MOE-CX43TX	●	●	●		●	
	IRPMT08T2MOT32HS	RPMT08T2MOT-CX32HS	●	●	●		○	
	IRPMT08T2MOT33TX	RPMT08T2MOT-CX33TX	●	●	●		●	●
	IRPMT08T2MOT43TX	RPMT08T2MOT-CX43TX	●	●	●		●	
	IRPMW1003MOE32HS	RPMW1003MOE-CX32HS	●	●	●		○	
	IRPMW1003MOE33TX	RPMW1003MOE-CX33TX	●	●	●		●	●
	IRPMW1003MOE43TX	RPMW1003MOE-CX43TX	●	●	●		●	
	IRPMW1003MOT23AX	RPMW1003MOT-CX23AX	○	○	○		○	●
	IRPMW1003MOT32HX	RPMW1003MOT-CX32HX	●	●	●		○	
	IRPMW1003MOT33TX	RPMW1003MOT-CX33TX	●	●	●		●	●
	IRPMW1003MOT43TX	RPMW1003MOT-CX43TX	●	●	●		●	

Insert Designation 刀片型號

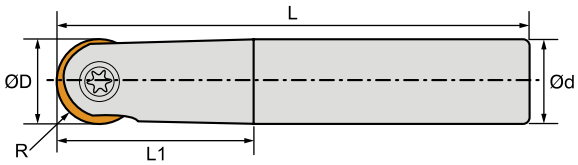
Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IRPHT10T3MOE43TX	RPHT10T3MOE-CX43TX	●	●	●		●	
	IRPMT10T3MOE32HS	RPMT10T3MOE-CX32HS	●	●	●		○	
	IRPMT10T3MOE33TX	RPMT10T3MOE-CX33TX	●	●	●		●	●
	IRPMT10T3MOE43TX	RPMT10T3MOE-CX43TX	●	●	●		●	
	IRPMT10T3MOT32HS	RPMT10T3MOT-CX32HS	●	●	●		○	
	IRPMT10T3MOT33TX	RPMT10T3MOT-CX33TX	●	●	●		●	●
	IRPMT10T3MOT43TX	RPMT10T3MOT-CX43TX	●	●	●		●	
	IRPHT1204MOE32HS	RPHT1204MOE-CX32HS	●	●	●		○	
	IRPHT1204MOE33TX	RPHT1204MOE-CX33TX	●	●	●		●	●
	IRPHT1204MOE43TX	RPHT1204MOE-CX43TX	●	●	●		●	
	IRPHT1204MOT32HS	RPHT1204MOT-CX32HS	●	●	●		○	
	IRPHT1204MOT33TX	RPHT1204MOT-CX33TX	●	●	●		●	●
	IRPMT1204MOE23AX	RPMT1204MOE-CX23AX	○	○	○		○	●
	IRPMT1204MOE32HS	RPMT1204MOE-CX32HS	●	●	●		○	
	IRPMT1204MOE33TX	RPMT1204MOE-CX33TX	●	●	●		●	●
	IRPMT1204MOE43TX	RPMT1204MOE-CX43TX	●	●	●		●	
	IRPMT1204MOT23AX	RPMT1204MOT-CX23AX	○	○	○		○	●
	IRPMT1204MOT32HS	RPMT1204MOT-CX32HS	●	●	●		○	
	IRPMT1204MOT33TX	RPMT1204MOT-CX33TX	●	●	●		●	●
	IRPMT1204MOT43TX	RPMT1204MOT-CX43TX	●	●	●		●	
	IRPMW1204MOE32HS	RPMW1204MOE-CX32HS	●	●	●		○	
	IRPMW1204MOE33TX	RPMW1204MOE-CX33TX	●	●	●		●	●
	IRPMW1204MOE43TX	RPMW1204MOE-CX43TX	●	●	●		●	
	IRPMW1204MOT32HS	RPMW1204MOT-CX32HS	●	●	●		○	
	IRPMW1204MOT43TX	RPMW1204MOT-CX43TX	●	●	●		●	●
	IRPMW1204MOT33TX	RPMW1204MOT-CX33TX	●	●	●		●	

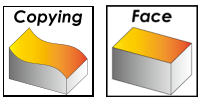
Copy Milling - CF21 仿形銑刀

- Use WP32 5R, 6R, 8R, 10R, 12.5R and 16R ball nose inserts.
- Suitable for mould & die finish or medium copy milling.
- 10~32mm cutter diameter.

- 使用 WP32 5R, 6R, 8R, 10R, 12.5R 或 16R 球形銑刀片
- 適用於模具中加工或精加工應用的仿形銑削
- 10~32mm 刀桿直徑

CF21E - Milling Tools 仿形銑刀



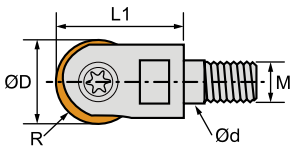


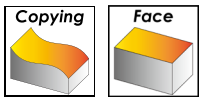
Insert Brand 建議刀片 : Winstar, Walter, ...

Order No. 訂購編碼	R	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICF21E302010100	5R	10	25	100	10	2	WP3210..	IMGR4012	IETL15	●
ICF21E302010150	5R	10	25	150	10	2				
ICF21E302012150	6R	12	32	150	12	2	WP3212..	IMGR5012	IETL20	●
ICF21E302012200	6R	12	58	200	16	2				
ICF21E302016150	8R	16	36	150	16	2	WP3216..	IMGR5016	IETL20	●
ICF21E302016200	8R	16	36	200	16	2				
ICF21E302016201	8R	16	65	200	20	2				
ICF21E302020150	10R	20	45	150	20	2	WP3220..	IMGR5020	IETL20	●
ICF21E302020200	10R	20	45	200	20	2				
ICF21E302020201	10R	20	76	200	25	2				
ICF21E302020250	10R	20	76	250	25	2				
ICF21E302025200	12.5R	25	45	200	25	2	WP3225..	IMGR6025	IETL30	●
ICF21E302025250	12.5R	25	45	250	25	2				
ICF21E302025201	12.5R	25	98	200	32	2				
ICF21E302025251	12.5R	25	98	250	32	2				
ICF21E302025300	12.5R	25	98	300	32	2				
ICF21E302032200	16R	32	50	200	32	2	WP3232..	IMGR8030	IETL30	●
ICF21E302032250	16R	32	50	250	32	2				
ICF21E302032300	16R	32	50	300	32	2				

● stock ○ by inquiry

CF21M - Modular Milling Heads 仿形銑刀頭





Insert Brand 建議刀片 : Winstar, Walter, ...

Order No. 訂購編碼	R	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICF21M302010050	5R	10	20	5.5	M5	2	WP3210..	IMGR5010	IETL15	●
ICF21M302012060	6R	12	22	6.5	M6	2	WP3212..	IMGR5012	IETL20	●
ICF21M302012080	6R	12	30	8.5	M8	2				
ICF21M302016080	8R	16	28	8.5	M8	2	WP3216 ..	IMGR5016	IETL20	●
ICF21M302020100	10R	20	30	10.5	M10	2	WP3220 ..	IMGR5020	IETL20	●
ICF21M302025120	12.5R	25	40	12.5	M12	2	WP3225 ..	IMGR6025	IETL30	●
ICF21M302032160	16R	32	43	17	M16	2	WP3232 ..	IMGR8030	IETL30	●

● stock ○ by inquiry

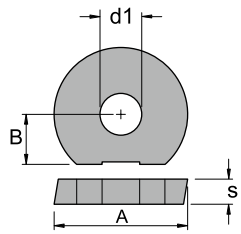
※ For screw-in type adapter, please refer to Tooling System 搭配鎖牙式刀桿，請參考刀具系統

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	fz					ap
		WP3212	WP3216	WP3220	WP3225	WP3232	
Carbon Steel / Alloy Steel	150 ~ 300	0.20	0.20	0.25	0.25	0.30	≤ 0.03 × ØD
Stainless Steel	100 ~ 250	0.20	0.20	0.25	0.25	0.30	≤ 0.03 × ØD
Cast Iron	90 ~ 350	0.25	0.30	0.30	0.35	0.40	≤ 0.04 × ØD
Hardened Steel	100 ~ 350	0.10	0.125	0.15	0.20	0.25	≤ 0.02 × ØD

Insert Specifications 刀片規格

Insert	Dimensions (mm)			
	A	B	S	d1
WP3210	10	5	2.5	4
WP3212	12	6	2.5	5
WP3216	16	6	3	5
WP3220	20	6	3	5
WP3225	25	9	4	6
WP3232	32	10	5	8



Insert Designation 刀片型號

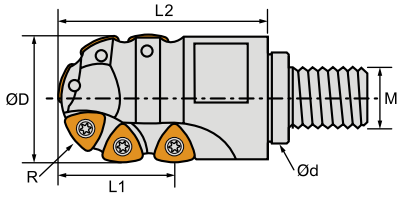
Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IWP3210SM13TX	WP3210-SM-CX13TX	○	○	○		○	●
	IWP3210SM23AX	WP3210-SM-CX23AX	○	○	○		○	●
	IWP3212SM13TX	WP3212-SM-CX13TX	○	○	○		○	●
	IWP3212SM23AX	WP3212-SM-CX23AX	○	○	○		○	●
	IWP3216SM13TX	WP3216-SM-CX13TX	○	○	○		○	●
	IWP3216SM23AX	WP3216-SM-CX23AX	○	○	○		○	●
	IWP3220SM13TX	WP3220-SM-CX13TX	○	○	○		○	●
	IWP3220SM23AX	WP3220-SM-CX23AX	○	○	○		○	●
	IWP3225SM13TX	WP3225-SM-CX13TX	○	○	○		○	●
	IWP3225SM23AX	WP3225-SM-CX23AX	○	○	○		○	●
	IWP3232SM13TX	WP3232-SM-CX13TX	○	○	○		○	●
	IWP3232SM23AX	WP3232-SM-CX23AX	○	○	○		○	●
	IWP3210MM13TX	WP3210-MM-CX13TX	○	○	○		○	●
	IWP3210MM23AX	WP3210-MM-CX23AX	○	○	○		○	●
	IWP3212MM13TX	WP3212-MM-CX13TX	○	○	○		○	●
	IWP3212MM23AX	WP3212-MM-CX23AX	○	○	○		○	●
	IWP3216MM13TX	WP3216-MM-CX13TX	○	○	○		○	●
	IWP3216MM23AX	WP3216-MM-CX23AX	○	○	○		○	●
	IWP3220MM13TX	WP3220-MM-CX13TX	○	○	○		○	●
	IWP3220MM23AX	WP3220-MM-CX23AX	○	○	○		○	●
	IWP3225MM13TX	WP3225-MM-CX13TX	○	○	○		○	●
	IWP3225MM23AX	WP3225-MM-CX23AX	○	○	○		○	●
	IWP3232MM13TX	WP3232-MM-CX13TX	○	○	○		○	●
	IWP3232MM23AX	WP3232-MM-CX23AX	○	○	○		○	●

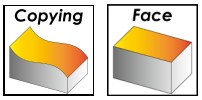
Copy Milling - CF22 仿形銑刀

- Use WP26 inserts.
- Ball nose cutters are suitable for mould & die copy roughing.
- 25~50mm cutter diameter.

- 使用 WP26 銑刀片
- 適用於粗加工應用的仿形銑削
- 25~50mm 刀桿直徑

CF22M - Modular Milling Heads 仿形銑刀頭





Insert Brand 建議刀片 : Winstar, Walter, ...

Order No. 訂購編碼	R	D	L1	L2	d	M	T	Inserts	Screw	Wrench	Stock
ICF22M202025120	12.5R	25	21	42	12.5	M12	2	WP26339R14	ITS4023	ITK15	●
ICF22M202030120	15R	30	23	50	12.5	M12	2				●
ICF22M202032160	16R	32	23	50	17.0	M16	2				●
ICF22M202040180	20R	40	38	65	28.0	M18	2	WP26379R25	ITS5002	ITK20	○
ICF22M202050250	25R	50	45	80	36.0	M25	2				●

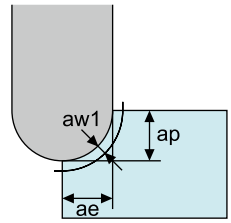
● stock ○ by inquiry

※ For screw-in type adapter, please refer to Tooling System 搭配鎖牙式刀桿，請參考刀具系統

Recommended Cutting Conditions 建議切削數據

WP26339R14

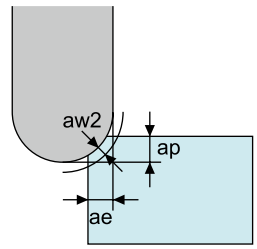
Working Material	Vc	aw1 = (0.5D, 0.5D)	aw2 = (0.25D, 0.25D)
		fz	
Carbon Steel / Alloy Steel	120 ~ 250	0.16 ~ 0.30	0.2 ~ 0.39
Stainless Steel	100 ~ 180	0.08 ~ 0.14	0.1 ~ 0.18
Cast Iron	120 ~ 250	0.16 ~ 0.30	0.2 ~ 0.39
High Temperature Alloy	40 ~ 100	0.08 ~ 0.12	0.1 ~ 0.18



aw1 = (ap, ae)

WP26379R25

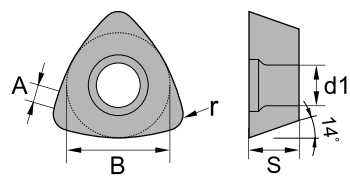
Working Material	Vc	aw1 = (0.5D, 0.5D)	aw2 = (0.25D, 0.25D)
		fz	
Carbon Steel / Alloy Steel	120 ~ 250	0.20 ~ 0.36	0.26 ~ 0.46
Stainless Steel	100 ~ 180	0.08 ~ 0.14	0.10 ~ 0.18
Cast Iron	120 ~ 250	0.20 ~ 0.36	0.26 ~ 0.46
High Temperature Alloy	40 ~ 100	0.08 ~ 0.12	0.10 ~ 0.18



aw2 = (ap, ae)

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	B	S	r	d1
WP26339R14	-	9.52	3.97	1.2	4.4
WP26379R25	1.1	13	5.56	2.0	5.5



Insert Designation 刀片型號

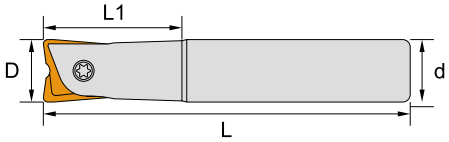
Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IWP26314RG23AX	WP26339R14-RG-CX23AX	○	○	○		○	●
	IWP26314RG32HS	WP26339R14-RG-CX32HS	●	●	●		○	
	IWP26314RG33TX	WP26339R14-RG-CX33TX	●	●	●		●	●
	IWP26314RG43TX	WP26339R14-RG-CX43TX	●	●	●		●	
	IWP26725RG23AX	WP26379R25-RG-CX23AX	○	○	○		○	●
	IWP26725RG32HS	WP26379R25-RG-CX32HS	●	●	●		○	
	IWP26725RG33TX	WP26379R25-RG-CX33TX	●	●	●		●	●
	IWP26725RG43TX	WP26379R25-RG-CX43TX	●	●	●		●	

Copy Milling - CGWV 仿形銑刀

- Use WPBC16 inserts.
- Various corner radii available for copy or shoulder milling.
- 16mm 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

CGWV - 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

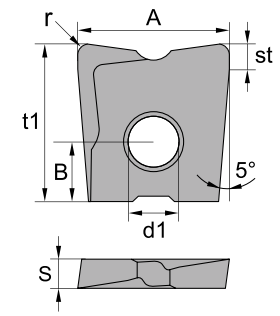
for Shoulder milling 適用於方肩銑削

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

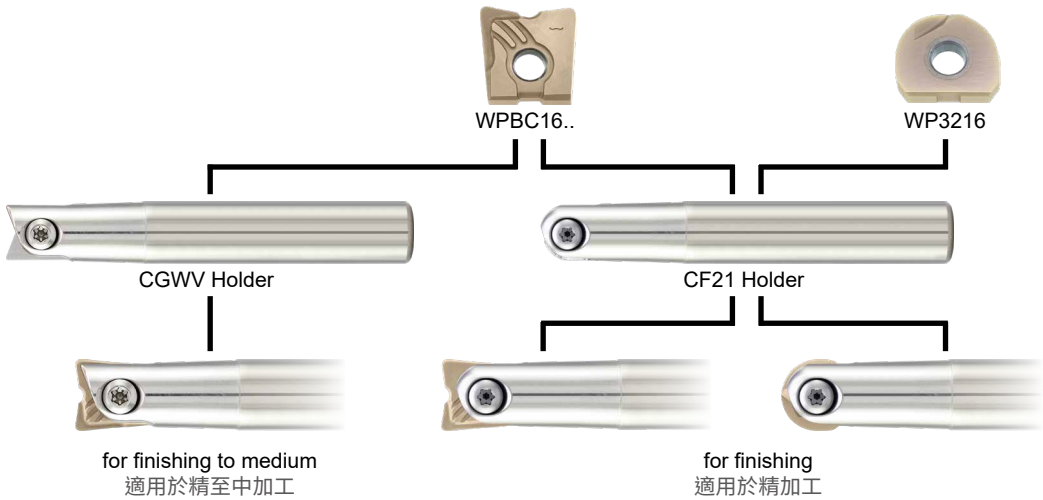
※ D = cutter cutting diameter D = 刀桿切削直徑

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