

CXAN Series



- Use ANMX double-sided inserts with 4 cutting edges.
- Positive rake angle design for lower side cutting forces.
- Max. 15mm depth of cut, cutter diameter 40~100mm.
- 使用 ANMX 雙面銑刀片，4 個可用切削角
- 正前角設計可降低切削力
- 每次最大切深可達 15mm，刀盤直徑 40~100mm

→ Page A029

CXXN Series



- Use XNMX double-sided inserts with 6 cutting edges.
- Economic and high performance shoulder milling application.
- 17~125mm cutter diameter, max. 7mm depth of cut.
- 使用 XNMX 雙面銑刀片，6 個可用切削角
- 經濟與高性能方肩銑應用的最佳解決方案
- 17~125mm 刀桿直徑，最大切削深度可達 7mm

→ Page A031

CAPK Series



- Use APKT inserts with 2 cutting edges.
- Optimized chip breaker for various applications and materials.
- 16~125mm cutter diameter, max. 11mm depth of cut.
- 使用 APKT 銑刀片，2 個可用切削角
- 優化的刀口設計適用於各種加工應用和材料
- 16~125mm 刀桿直徑，最大切削深度可達 11mm

→ Page A034

CART Series



- Use WRT inserts with 2 cutting edges.
- Strong chip breaker provides well ramping and slotting capabilities.
- 10~26mm cutter diameter, max. 7mm depth of cut.
- 使用 WRT 銑刀片，2 個可用切削角
- 強化的刀口設計提供了極佳的斜坡銑削及開槽能力
- 10~26mm 刀桿直徑，最大切削深度可達 7mm

→ Page A037

Shoulder Milling Series Introduction

方肩銑刀系列介紹

CASP Series



- Use SPMG inserts with 4 cutting edges.
- Cost effective shoulder milling tools.
- 12~80mm cutter diameter, max. 6mm depth of cut.
- 使用 SPMG 單面銑刀片，4 個可用切削角
- 經濟實惠的方肩銑刀
- 12~80mm 刀桿直徑，最大切削深度可達 6mm

→ Page A039

CATP Series



- Use TPMX inserts with 3 cutting edges.
- Sharp cutting edges for various low milling force applications.
- 20~80mm cutter diameter, max. 11mm depth of cut.
- 使用 TPMX 銑刀片，3 個可用切削角
- 出色的銳利刀口設計適用於各種低銑削阻力的應用
- 20~80mm 刀桿直徑，最大切削深度可達 11mm

→ Page A042

CAXD Series



- Use XDMT inserts with 2 cutting edges.
- Cutter dia. : 16~32mm, max. depth of cut : 10mm.
- Cutting edge design provides stable machining and reduces vibration during machining.
- 使用 XDMT 銑刀片，2 個可用切削刀口
- 刀桿尺寸：16~32mm，最大切削深度：10mm
- 刃口設計提供切削穩定性，減少加工時的震動

→ Page A044-1

CAXO Series



- Use XOMT inserts with 2 cutting edges.
- Optimized chip breaker reduces heat generation and cutting forces.
- 6~32mm cutter diameter, max. 7mm depth of cut.
- 使用 XOMT 銑刀片，2 個可用切削角
- 泛優化的刀口設計降低熱能產生及切削力，能維持長時間高效率加工
- 6~32mm 刀桿直徑，最大切削深度可達 7mm

→ Page A045

CBAP Series



- Use APMT inserts with 2 cutting edges.
- Low cost and various geometric designs for versatile applications.
- 16~80mm cutter diameter, max. 11mm depth of cut.
- 使用 APMT 銑刀片，2 個可用切削角
- 低成本和多樣化的幾何設計適用於多種加工應用
- 16~80mm 刀桿直徑，最大切削深度可達 11mm

→ Page A048

CR39 Series



- Use W390 inserts with 2 cutting edges.
- Optimized chip breaker for high efficient shoulder and side milling.
- 16~100mm cutter diameter, max. 11mm depth of cut.
- 使用 W390 銑刀片，2 個可用切削角
- 優化的刀口設計適用於各種加工材料的高移除率的方肩銑和側銑
- 16~100mm 刀桿直徑，最大切削深度可達 11mm

→ Page A052

CR49 Series



- Use W490 inserts with 4 cutting edges.
- Great repeat side milling capability to reduce burs and get good surface finishing.
- 20~80mm cutter diameter, max. 9mm depth of cut.
- 使用 W490 單面銑刀片，4 個可用切削角
- 出色的重複側銑能力可減少毛刺產生並獲得良好的表面光潔度
- 20~80mm 刀盤直徑，最大切削深度可達 9mm

→ Page A055

CWEX Series



- Use AXMT inserts with 2 cutting edges.
- Strong cutting edges for high removal rate shoulder milling.
- 16~100mm cutter diameter, max. 11mm depth of cut.
- 使用 AXMT 銑刀片，2 個可用切削角
- 堅固的切削刃提供高移除率的方肩銑刀
- 16~100mm 刀桿直徑，最大切削深度可達 11mm

→ Page A057

CWMM Series



- Use APMT inserts with 2 cutting edges.
- Cutter with over-center design for drilling and milling.
- 10~80mm cutter diameter, max. 11mm depth of cut.
- 使用 APMT 銑刀片，2 個可用切削角
- 刀桿過中心設計，適用於鑽孔、方肩、開槽、斜坡、挖槽、及螺旋銑削
- 10~80mm 刀桿直徑，最大端銑切削深度可達 11mm

→ Page A059

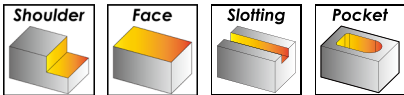
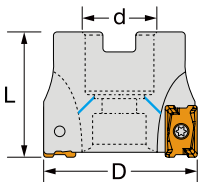
Shoulder Milling - CXAN

方肩銑刀



- Use ANMX double-sided inserts with 4 cutting edges.
- Positive rake angle design for lower side cutting forces.
- Max. 15mm depth of cut, cutter diameter 40~100mm.
- 使用 ANMX 雙面銑刀片，4 個可用切削角
- 正前角設計可降低切削力
- 每次最大切深可達 15mm, 刀盤直徑 40~100mm

CXANF - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L	d	T	Coolant	Inserts	Screw	Wrench	Stock
ICXANF504040161	40	40	16	4	✓	ANMX15T6	ITS4006	ITK15	●
ICXANF505050221	50	40	22	5	✓				●
ICXANF506063221	63	40	22	6	✓				●
ICXANF507080271	80	50	27	7	✓				●
ICXANF508100321	100	50	32	8	✓				●

● stock ○ by inquiry

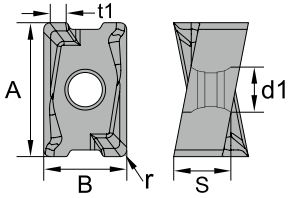
Recommended Cutting Conditions 建議切削數據

Working Material	Vc	fz	ap
Carbon Steel / Alloy Steel	110 ~ 260	0.09 ~ 0.27	0.3 ~ 15
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 15
Cast Iron	110 ~ 260	0.09 ~ 0.27	0.3 ~ 15
High Temperature Alloy	40 ~ 70	0.07 ~ 0.14	0.3 ~ 15

Shoulder Milling - CXAN

方肩銑刀

Insert Specifications 刀片規格

Insert	Dimensions (mm)						
	A	B	S	r	d1	t1	
ANMX15T608	16.1	10	6.88	0.8	4.65	1.9	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IANMX15T608MG32HS	ANMX15T608-MG-CX32HS	●	●	●		○	
	IANMX15T608MG33TX	ANMX15T608-MG-CX33TX	●	●	●		●	●
	IANMX15T608MG43TX	ANMX15T608-MG-CX43TX	●	●	●		●	
	IANMX15T608MG37TA	ANMX15T608-MG-CX37TA	○	○	●		○	○
	IANMX15T608MG47TA	ANMX15T608-MG-CX47TA	●	●	○		●	○

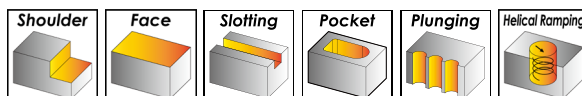
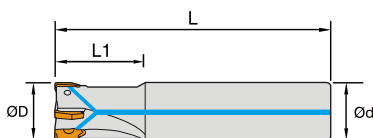
Shoulder Milling - CXXN

方肩銑刀



- Use XNMX double-sided inserts with 6 cutting edges.
- Economic and high performance shoulder milling application.
- 17~125mm cutter diameter, max. 7mm depth of cut.
- 使用 XNMX 雙面銑刀片，6 個可用切削角
- 經濟與高性能方肩銑應用的最佳解決方案
- 17~125mm 刀桿直徑，最大切削深度可達 7mm

CXXNE - Milling Tools 方肩銑刀



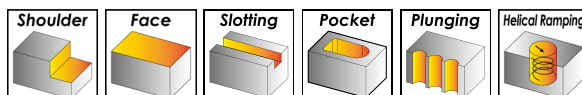
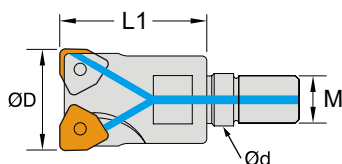
Insert Brand 建議刀片：Winstar, Seco, ...

Order No. 訂購編碼	D	L1	L	d	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXXNE403020111	20	28	110	20	3	✓	XNMX0403	ITS2512	ITK08	●
ICXXNE403020150	20	40	150	20	3					●
ICXXNE403020200	20	100	200	20	3					●
ICXXNE404025121	25	28	120	25	4	✓				●
ICXXNE404025150	25	40	150	25	4					●
ICXXNE405032131	32	30	130	32	5	✓				●
ICXXNE405032200	32	45	200	32	5					●

● stock ○ by inquiry

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CXXNM - Modular Milling Heads 方肩銑刀頭



Insert Brand 建議刀片：Winstar, Seco, ...

Order No. 訂購編碼	D	L1	d	M	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXXNM402017081	17	26	8.5	M08	2	✓	XNMX0403	ITS2512	ITK08	●
ICXXNM403021101	21	32	10.5	M10	3	✓				●
ICXXNM404026121	26	38	12.5	M12	4	✓				●
ICXXNM405032161	32	41	17	M16	5	✓				○

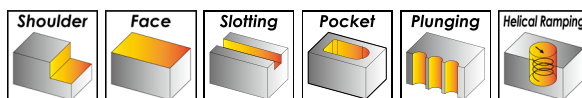
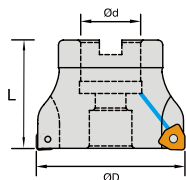
● stock ○ by inquiry

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

Shoulder Milling - CXXN

方肩銑刀

CXXNF - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L	d	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICXXNF406050220	50	50	22	6		XNMX0403	ITS2512	ITK08	●
ICXXNF407063220	63	50	22	7					●
ICXXNF407063250	63	50	25.4	7					●
ICXXNF407040161	40	40	16	7	✓				●
ICXXNF409050221	50	40	22	9	✓				●
ICXXNF805050221	50	40	22	5	✓	XNMX0806	ITS4006	ITK15	●
ICXXNF806063221	63	40	22	6	✓				●
ICXXNF807080271	80	50	27	7	✓				●
ICXXNF811100321	100	50	32	11	✓				○
ICXXNF811125401	125	63	40	11	✓				○

● stock ○ by inquiry

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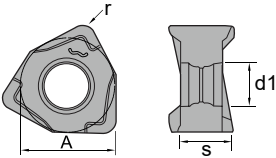
Recommended Cutting Conditions 建議切削數據

Working Material	XNMX0403			XNMX0806		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.16	0.3 ~ 3.0	120 ~ 250	0.1 ~ 0.3	0.3 ~ 7.0
Stainless Steel	100 ~ 180	0.08 ~ 0.12	0.3 ~ 1.6	100 ~ 180	0.08 ~ 0.25	0.3 ~ 4.5
Cast Iron	120 ~ 250	0.10 ~ 0.16	0.3 ~ 3.0	120 ~ 250	0.1 ~ 0.3	0.3 ~ 7.0
High Temperature Alloy	40 ~ 100	0.08 ~ 0.12	0.3 ~ 1.5	40 ~ 100	0.08 ~ 0.18	0.3 ~ 4.0
Hardened Steel	50 ~ 100	0.09 ~ 0.13	0.3 ~ 1.5	50 ~ 100	0.09 ~ 0.19	0.3 ~ 4.0

Shoulder Milling - CXXN

方肩銑刀

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	S	r	d1	
XNMX040304	6.7	3.285	0.4	3.15	
XNMX040308	6.7	3.285	0.8	3.15	
XNMX080608	12.53	6.5	0.8	4.5	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IXNMX040304SG23AX	XNMX040304-SG-CX23AX	○	○	○		○	●
	IXNMX040304SG32HS	XNMX040304-SG-CX32HS	●	●	●		○	
	IXNMX040304SG33TX	XNMX040304-SG-CX33TX	●	●	●		●	●
	IXNMX040304MG23AX	XNMX040304-MG-CX23AX	○	○	○		○	●
	IXNMX040304MG32HS	XNMX040304-MG-CX32HS	●	●	●		○	
	IXNMX040304MG33TX	XNMX040304-MG-CX33TX	●	●	●		●	●
	IXNMX040308MG23AX	XNMX040308-MG-CX23AX	○	○	○		○	●
	IXNMX040308MG32HS	XNMX040308-MG-CX32HS	●	●	●		○	
	IXNMX040308MG33TX	XNMX040308-MG-CX33TX	●	●	●		●	●
	IXNMX040308MG43TX	XNMX040308-MG-CX43TX	●	●	●		●	
	IXNMX080608MG23AX	XNMX080608-MG-CX23AX	○	○	○		○	●
	IXNMX080608MG32HS	XNMX080608-MG-CX32HS	●	●	●		○	
	IXNMX080608MG33TX	XNMX080608-MG-CX33TX	●	●	●		●	●
	IXNMX080608MG43TX	XNMX080608-MG-CX43TX	●	●	●		●	
	IXNMX080608MG37TA	XNMX080608-MG-CX37TA	○	○	●		○	○
	IXNMX080608MG47TA	XNMX080608-MG-CX47TA	●	●	○		●	○
	IXNMX080608RG32HS	XNMX080608-RG-CX32HS	●	●	●		○	
	IXNMX080608RG33TX	XNMX080608-RG-CX33TX	●	●	●		●	●
	IXNMX080608RG43TX	XNMX080608-RG-CX43TX	●	●	●		●	
	IXNMX080608RG37TA	XNMX080608-RG-CX37TA	○	○	●		○	○
	IXNMX080608RG47TA	XNMX080608-RG-CX47TA	●	●	○		●	○

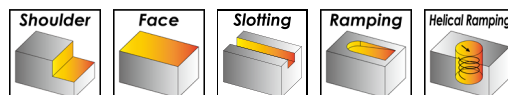
Shoulder Milling - CAPK

方肩銑刀



- Use APKT inserts with 2 cutting edges.
- Optimized chip breaker for various applications and materials.
- 16~125mm cutter diameter, max. 11mm depth of cut.
- 使用 APKT 銑刀片, 2 個可用切削角
- 優化的刀口設計適用於各種加工應用和材料
- 16~125mm 刀桿直徑, 最大切削深度可達 11mm

CAPKE - Milling Tools 方肩銑刀



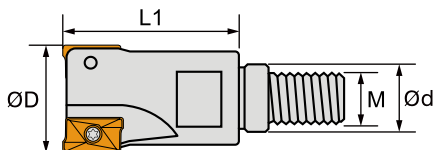
Insert Brand 建議刀片 : Winstar, Iscar, Ceratizit, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICAPKE302016120	16	25	120	16	2	APKT1003	ITS2515	ITK08	●
ICAPKE302020120	20	30	120	20	2				●
ICAPKE304025150	25	35	150	25	4				●
ICAPKE305032150	32	35	150	32	5				○
ICAPKE402025150	25	40	150	25	2	APKT1604 APET1604	ITS4004	ITK15	●
ICAPKE402032150	32	45	150	32	2				○

● stock ○ by inquiry

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CAPKM - Modular Milling Heads 方肩銑刀頭



Insert Brand 建議刀片 : Winstar, Iscar, Ceratizit, ...

Order No. 訂購編碼	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICAPKM302016080	16	26	8.5	M8	2	APKT1003	ITS2515	ITK08	●
ICAPKM303020100	20	32	10.5	M10	3				○
ICAPKM304025120	25	38	12.5	M12	4				●
ICAPKM305032160	32	41	17	M16	5				○
ICAPKM402025120	25	38	12.5	M12	2	APKT1604 APET1604	ITS4004	ITK15	○
ICAPKM403032160	32	41	17	M16	3				○

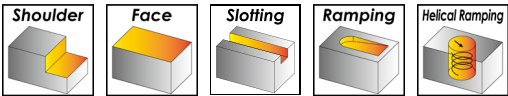
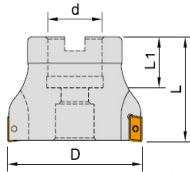
● stock ○ by inquiry

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

Shoulder Milling - CAPK

方肩銑刀

CAPKF - Milling Tools 方肩銑刀



Insert Brand 建議刀片 : Winstar, Iscar, Ceratizit, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICAPKF306050220	50	20	40	22	6	APKT1003	ITS2515	ITK08	●
ICAPKF306063220	63	21	45	22	6				●
ICAPKF307080270	80	23	50	27	7				●
ICAPKF404050220	50	23	50	22	4	APKT1604 APET1604	ITS4004	ITK15	●
ICAPKF405063220	63	23	50	22	5				●
ICAPKF405063250	63	23	50	25.4	5				●
ICAPKF406080250	80	32	55	25.4	6				●
ICAPKF406080270	80	32	55	27	6				●
ICAPKF408100310	100	32	55	31.75	8				●
ICAPKF408100320	100	32	55	32	8				●
ICAPKF408125380	125	38	63	38.1	8				●

● stock ○ by inquiry

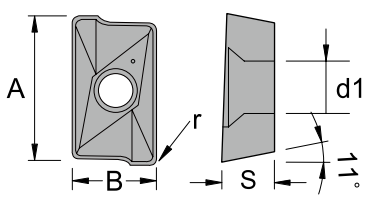
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Recommended Cutting Conditions 建議切削數據

Working Material	APKT1003			APKT1604 / APET1604		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.3 ~ 7.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 4.0	100 ~ 180	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.3 ~ 6.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 10.0
Aluminum Alloy	-	-	-	300 ~ 1000	0.18 ~ 0.40	0.3 ~ 11.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.3 ~ 4.0	40 ~ 100	0.10 ~ 0.18	0.5 ~ 7.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.3 ~ 4.0	50 ~ 100	0.10 ~ 0.20	0.5 ~ 7.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	B	S	r	d1
APKT100304	10.5	6.7	3.5	0.4	2.8
APKT100308	10.5	6.7	3.5	0.8	2.8
APET160402	16.3	9.525	4.76	0.2	4.5
APET160404	16.3	9.525	4.76	0.4	4.5
APKT160408	16.3	9.525	5.25	0.8	4.5



Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IAPKT100304ESG23AX	APKT100304PDER-SG-CX23AX	○	○	○		○	●
	IAPKT100304EMG23AX	APKT100304PDER-MG-CX23AX	○	○	○		○	●
	IAPKT100304EMG32HS	APKT100304PDER-MG-CX32HS	●	●	●		○	
	IAPKT100304EMG33TX	APKT100304PDER-MG-CX33TX	●	●	●		●	●
	IAPKT100304EMG43TX	APKT100304PDER-MG-CX43TX	●	●	●		●	
	IAPKT100308EMG23AX	APKT100308PDER-MG-CX23AX	○	○	○		○	●
	IAPKT100308EMG32HS	APKT100308PDER-MG-CX32HS	●	●	●		○	
	IAPKT100308EMG33TX	APKT100308PDER-MG-CX33TX	●	●	●		●	●
	IAPKT100308EMG43TX	APKT100308PDER-MG-CX43TX	●	●	●		●	
	IAPKT100304ERG32HS	APKT100304PDER-RG-CX32HS	●	●	●		○	
	IAPKT100304ERG33TX	APKT100304PDER-RG-CX33TX	●	●	●		●	●
	IAPET160402FAL10	APET160402PDFR-AL-CX10				●		
	IAPET160404FAL10	APET160404PDFR-AL-CX10				●		
	IAPET160402FFG23AX	APET160402PDFR-FG-CX23AX	○	○	○		○	●
	IAPET160404FFG23AX	APET160404PDFR-FG-CX23AX	○	○	○		○	●
	IAPKT160408EMG23AX	APKT160408PDER-MG-CX23AX	○	○	○		○	●
	IAPKT160408EMG32HS	APKT160408PDER-MG-CX32HS	●	●	●		○	
	IAPKT160408EMG33TX	APKT160408PDER-MG-CX33TX	●	●	●		●	●
	IAPKT160408EMG43TX	APKT160408PDER-MG-CX43TX	●	●	●		●	
	IAPKT160408ERG23AX	APKT160408PDER-RG-CX23AX	○	○	○		○	●
	IAPKT160408ERG32HS	APKT160408PDER-RG-CX32HS	●	●	●		○	
	IAPKT160408ERG33TX	APKT160408PDER-RG-CX33TX	●	●	●		●	●
	IAPKT160408ERG43TX	APKT160408PDER-RG-CX43TX	●	●	●		●	

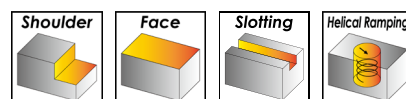
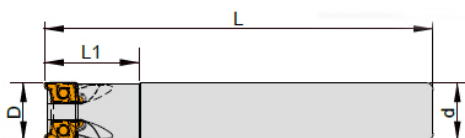
Shoulder Milling - CART

方肩銑刀



- Use WRT inserts with 2 cutting edges.
- Strong chip breaker provides well ramping and slotting capabilities.
- 10~26mm cutter diameter, max. 7mm depth of cut.
- 使用 WRT 銑刀片, 2 個可用切削角
- 強化的刀口設計提供了極佳的斜坡銑削及開槽能力
- 10~26mm 刀桿直徑, 最大切削深度可達 7mm

CARTE - Milling Tools 方肩銑刀



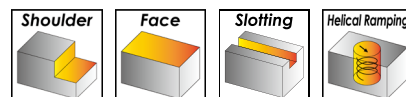
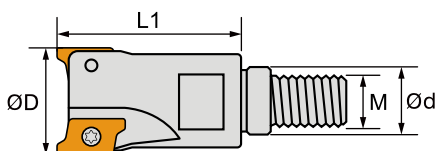
Insert Brand 建議刀片 : Winstar, Safety, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICARTE702010100	10	18	100	10	2	WRT0702	ITS2003	ITK06	○
ICARTE702011100	11	18	100	10	2				●
ICARTE702013100	13	20	100	12	2				●
ICARTE703016150	16	30	150	16	3				○
ICARTE102017150	17	30	150	16	2	WRT1003	ITS2515	ITK08	●
ICARTE103021150	21	30	150	20	3				●
ICARTE104026150	26	40	150	25	4				●

● stock ○ by inquiry

Customize available.

CARTM - Modular Milling Heads 方肩銑刀頭



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

Order No. 訂購編碼	D	L1	M	d	T	Inserts	Screw	Wrench	Stock
ICARTM702010050	10	18	M5	5.5	2	WRT0702	ITS2003	ITK06	●
ICARTM702011050	11	18	M5	5.5	2				●
ICARTM702012060	12	20	M6	6.5	2				●
ICARTM702013060	13	20	M6	6.5	2				●
ICARTM103017080	17	30	M8	8.5	3	WRT1003	ITS2515	ITK08	●
ICARTM103021100	21	32	M10	10.5	3				●

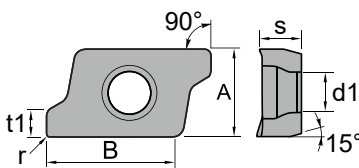
● stock ○ by inquiry

※ 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	WRT0702			WRT1003		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.08 ~ 0.20	0.3 ~ 5.0	120 ~ 250	0.10 ~ 0.22	0.5 ~ 7.0
Stainless Steel	100 ~ 180	0.05 ~ 0.15	0.3 ~ 3.0	100 ~ 180	0.08 ~ 0.18	0.5 ~ 4.0
Cast Iron	120 ~ 250	0.08 ~ 0.20	0.3 ~ 4.0	120 ~ 250	0.10 ~ 0.22	0.5 ~ 6.0
High Temperature Alloy	40 ~ 100	0.05 ~ 0.12	0.3 ~ 3.0	40 ~ 100	0.07 ~ 0.14	0.5 ~ 4.0
Hardened Steel	50 ~ 100	0.05 ~ 0.13	0.3 ~ 3.0	50 ~ 100	0.07 ~ 0.15	0.5 ~ 4.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)					
	A	B	S	r	d1	
WRT070204	4.30	6.4	2.38	0.4	2.2	
WRT100308	6.35	9.3	3.4	0.8	2.9	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IWRT070204RG23AX	WRT070204-RG-CX23AX	○	○	○		○	●
	IWRT070204RG32HS	WRT070204-RG-CX32HS	●	●	●		○	
	IWRT070204RG33TX	WRT070204-RG-CX33TX	●	●	●		●	●
	IWRT070204RG43TX	WRT070204-RG-CX43TX	●	●	●		●	
	IWRT100308MG23AX	WRT100308-MG-CX23AX	○	○	○		○	●
	IWRT100308MG32HS	WRT100308-MG-CX32HS	●	●	●		○	
	IWRT100308MG33TX	WRT100308-MG-CX33TX	●	●	●		●	●
	IWRT100308MG43TX	WRT100308-MG-CX43TX	●	●	●		●	
	IWRT100308RG23AX	WRT100308-RG-CX23AX	○	○	○		○	●
	IWRT100308RG32HS	WRT100308-RG-CX32HS	●	●	●		○	
	IWRT100308RG33TX	WRT100308-RG-CX33TX	●	●	●		●	●
	IWRT100308RG43TX	WRT100308-RG-CX43TX	●	●	●		●	

Shoulder Milling - CASP

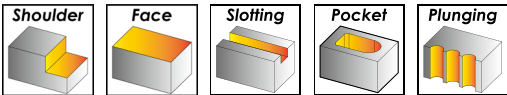
方肩銑刀



- Use SPMG inserts with 4 cutting edges.
- Cost effective shoulder milling tools.
- 12~80mm cutter diameter, max. 6mm depth of cut.
- 使用 SPMG 單面銑刀片 , 4 個可用切削角
- 經濟實惠的方肩銑刀
- 12~80mm 刀桿直徑 , 最大切削深度可達 6mm

Indexable Milling

CASPE - Milling Tools 方肩銑刀



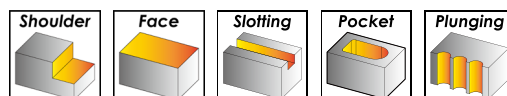
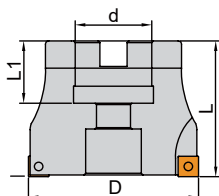
Insert Brand 建議刀片 : Winstar, Taegutec, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICASPE502012100	12	20	100	12	2	SPMG0502	ITS2003	ITK06	●
ICASPE502013100	13	20	100	12	2				●
ICASPE502014100	14	20	100	12	2				●
ICASPE602016120	16	25	120	16	2	SPMG0602	ITS2205	ITK06	●
ICASPE603020120	20	30	120	20	3				●
ICASPE604025120	25	30	120	25	4				●
ICASPE604030120	30	30	120	25	4				●
ICASPE605032120	32	30	120	25	5	SPMG0904	ITS3504	ITK15	●
ICASPE904032150	32	40	150	32	4				●
ICASPE904040150	40	40	150	32	4				●

● stock ○ by inquiry

Customize available.

CASPF - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICASPF607050220	50	20	45	22	7	SPMG0602	ITS2205	ITK06	●
ICASPF607050250	50	20	45	25.4	7				○
ICASPF609063220	63	20	45	22	9				●
ICASPF609063250	63	20	45	25.4	9				●
ICASPF611080270	80	23	50	27	11				○
ICASPF611080250	80	23	50	25.4	11				●
ICASPF905050220	50	20	45	22	5	SPMG0904	ITS3504	ITK15	●
ICASPF905050250	50	20	45	25.4	5				○
ICASPF906063220	63	20	45	22	6				●
ICASPF906063250	63	20	45	25.4	6				○
ICASPF907080270	80	23	50	27	7				●
ICASPF907080250	80	23	50	25.4	7				○

● stock ○ by inquiry

Customize available.

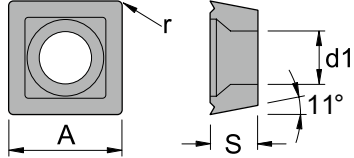
Recommended Cutting Conditions 建議切削數據

Working Material	SPMG050204 & SPMG060204			SPMT07T308 & SPMG090408		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.3 ~ 3.0	120 ~ 250	0.10 ~ 0.22	0.5 ~ 6.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 2.0	100 ~ 180	0.08 ~ 0.18	0.5 ~ 4.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.3 ~ 3.0	120 ~ 250	0.10 ~ 0.22	0.5 ~ 6.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.3 ~ 2.0	40 ~ 100	0.07 ~ 0.14	0.5 ~ 4.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.3 ~ 2.0	50 ~ 100	0.07 ~ 0.15	0.5 ~ 4.0

Shoulder Milling - CASP

方肩銑刀

Insert Specifications 刀片規格

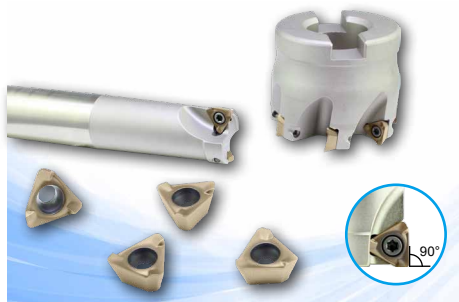
Insert	Dimensions (mm)				
	A	S	r	d1	
SPMG050204	5.00	2.38	0.4	2.30	
SPMG060204	6.00	2.38	0.4	2.65	
SPMG07T308	7.94	3.97	0.8	2.85	
SPMG090408	9.80	4.3	0.8	4.05	
SPMG110408	11.50	4.8	0.8	4.45	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	ISPMG050204MG32HS	SPMG050204-MG-CX32HS	●	●	●		○	
	ISPMG050204MG33TX	SPMG050204-MG-CX33TX	●	●	●		●	●
	ISPMG050204MG43TX	SPMG050204-MG-CX43TX	●	●	●		●	
	ISPMG060204MG32HS	SPMG060204-MG-CX32HS	●	●	●		○	
	ISPMG060204MG33TX	SPMG060204-MG-CX33TX	●	●	●		●	●
	ISPMG060204MG43TX	SPMG060204-MG-CX43TX	●	●	●		●	
	ISPMG07T308MG32HS	SPMG07T308-MG-CX32HS	●	●	●		○	
	ISPMG07T308MG33TX	SPMG07T308-MG-CX33TX	●	●	●		●	●
	ISPMG07T308MG43TX	SPMG07T308-MG-CX43TX	●	●	●		●	
	ISPMG090408MG32HS	SPMG090408-MG-CX32HS	●	●	●		○	
	ISPMG090408MG33TX	SPMG090408-MG-CX33TX	●	●	●		●	●
	ISPMG090408MG43TX	SPMG090408-MG-CX43TX	●	●	●		●	
	ISPMG090408RG32HS	SPMG090408-RG-CX32HS	●	●	●		○	
	ISPMG090408RG33TX	SPMG090408-RG-CX33TX	●	●	●		●	●
	ISPMG090408RG43TX	SPMG090408-RG-CX43TX	●	●	●		●	
	ISPMG110408MG32HS	SPMG110408-MG-CX32HS	●	●	●		○	
	ISPMG110408MG33TX	SPMG110408-MG-CX33TX	●	●	●		●	●
	ISPMG110408MG43TX	SPMG110408-MG-CX43TX	●	●	●		●	
	ISPMG110408RG32HS	SPMG110408-RG-CX32HS	●	●	●		○	
	ISPMG110408RG33TX	SPMG110408-RG-CX33TX	●	●	●		●	●
	ISPMG110408RG43TX	SPMG110408-RG-CX43TX	●	●	●		●	

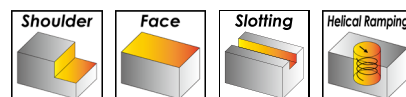
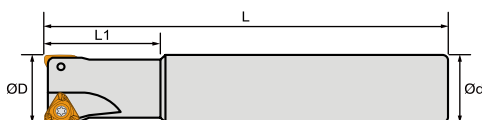
Shoulder Milling - CATP

方肩銑刀



- Use TPMX inserts with 3 cutting edges.
- Sharp cutting edges for various low milling force applications.
- 20~80mm cutter diameter, max. 11mm depth of cut.
- 使用 TPMX 銑刀片, 3 個可用切削角
- 出色的銳利刀口設計適用於各種低銑削阻力的應用
- 20~80mm 刀桿直徑, 最大切削深度可達 11mm

CATPE - Milling Tools 方肩銑刀



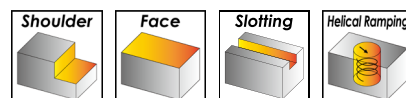
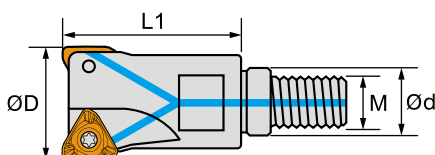
Insert Brand 建議刀片: Winstar, Taegutec, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICATPE102020130	20	50	130	20	2	TPMX1004	ITS2517	ITK08	●
ICATPE103025150	25	55	150	25	3				●
ICATPE503033200	33	45	200	32	3	TPMX1505	ITS4014	ITK15	●
ICATPE504040200	40	45	200	32	4				○

● stock ○ by inquiry

Customize available.

CATPM - Modular Milling Heads 方肩銑刀頭



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

Order No. 訂購編碼	D	L1	d	M	T	Coolant	Inserts	Screw	Wrench	Stock
ICATPM102020100	20	35	10.5	M10	2		TPMX1004	ITS2517	ITK08	○
ICATPM102020101	20	35	18	M10	2	✓				●
ICATPM102021100	21	35	10.5	M10	2					●
ICATPM103025120	25	35	12.5	M12	3					○
ICATPM103025121	25	35	21	M12	3	✓				●
ICATPM103026120	26	35	12.5	M12	3					●
ICATPM105032160	32	43	29	M16	5					●
ICATPM105032161	32	43	17	M16	5	✓				●
ICATPM105033160	33	43	17	M16	5					●
ICATPM105033161	33	43	17	M16	5	✓				●

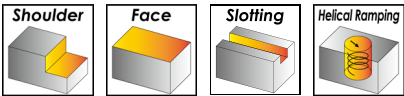
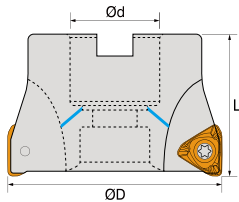
● stock ○ by inquiry

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

Shoulder Milling - CATP

方肩銑刀

CATPF - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L	d	T	Coolant	Inserts	Screw	Wrench	Stock
ICATPF106050221	50	50	22	6	✓	TPMX1004	ITS2517	ITK08	●
ICATPF107050220	50	50	22	7					●
ICATPF107063221	63	50	22	7	✓				●
ICATPF109063220	63	50	22	9					●
ICATPF504040161	40	40	16	4	✓	TPMX1505	ITS4004	ITK15	●
ICATPF505050221	50	40	22	5	✓				●
ICATPF506063221	63	40	22	6	✓				●
ICATPF508080271	80	50	27	8	✓				●

● stock ○ by inquiry

Customize available.

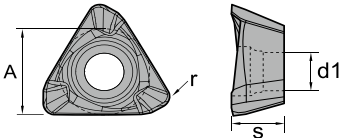
Recommended Cutting Conditions 建議切削數據

Working Material	TPMX1004			TPMX1505		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.08 ~ 0.20	0.3 ~ 7.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.05 ~ 0.15	0.3 ~ 4.0	100 ~ 180	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.08 ~ 0.20	0.3 ~ 6.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 10.0
High Temperature Alloy	40 ~ 100	0.05 ~ 0.12	0.3 ~ 4.0	40 ~ 100	0.10 ~ 0.18	0.5 ~ 7.0
Hardened Steel	50 ~ 100	0.05 ~ 0.13	0.3 ~ 4.0	50 ~ 100	0.10 ~ 0.20	0.5 ~ 7.0

Shoulder Milling - CATP

方肩銑刀

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	S	r	d1	
TPMX100404	6.9	4	0.4	3	
TPMX100408	6.9	4	0.8	3	
TPMX150508	10.7	5	0.8	4.85	

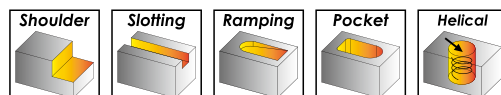
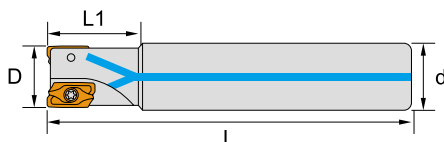
Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	ITPMX100404SG32HS	TPMX100404-SG-CX32HS	●	●	●		○	
	ITPMX100404SG33TX	TPMX100404-SG-CX33TX	●	●	●		●	●
	ITPMX100408SG32HS	TPMX100408-SG-CX32HS	●	●	●		○	
	ITPMX100408SG33TX	TPMX100408-SG-CX33TX	●	●	●		●	●
	ITPMX100408MG23AX	TPMX100408-MG-CX23AX	○	○	○		○	●
	ITPMX100408MG32HS	TPMX100408-MG-CX32HS	●	●	●		○	
	ITPMX100408MG33TX	TPMX100408-MG-CX33TX	●	●	●		●	●
	ITPMX100408MG43TX	TPMX100408-MG-CX43TX	●	●	●		●	
	ITPMX150508MG23AX	TPMX150508-MG-CX23AX	○	○	○		○	●
	ITPMX150508MG32HS	TPMX150508-MG-CX32HS	●	●	●		○	
	ITPMX150508MG33TX	TPMX150508-MG-CX33TX	●	●	●		●	●
	ITPMX150508MG43TX	TPMX150508-MG-CX43TX	●	●	●		●	



- Use XDMT inserts with 2 cutting edges.
- Cutter dia. : 16~32mm, max. depth of cut : 10mm.
- Cutting edge design provides stable machining and reduces vibration during machining.
- 使用 XDMT 銑刀片, 2 個可用切削刀口
- 刀桿尺寸: 16~32mm, 最大切削深度: 10mm
- 刃口設計提供切削穩定性, 減少加工時的震動

CAXDE - Milling tools 方肩銑刀



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

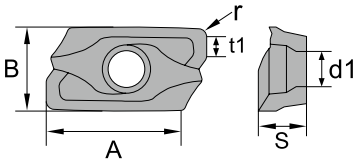
Order No. 訂購編碼	D	L1	L	d	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICAXDE102016120	16	30	120	16	2		XDMT11T3	ITS2515	ITK08	○
ICAXDE103020120	20	30	120	20	3					●
ICAXDE103020151	20	35	150	20	3	✓				●
ICAXDE104025150	25	45	150	25	4					●
ICAXDE104025151	25	45	150	25	4	✓				●
ICAXDE105032150	32	45	150	32	5					●
ICAXDE105032151	32	45	150	32	5	✓				●

● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	XDMT11T3		
	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.3 ~ 10.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 8.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.3 ~ 10.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.3 ~ 4.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.3 ~ 4.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)						
	A	B	S	r	d1	t1	
XDMT11T308	10.6	6.8	3.8	0.8	2.8	1.4	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IXDMT11T308MG33TX	XDMT11T308-MG-CX33TX	●	●	●		●	●
	IXDMT11T308MG43TX	XDMT11T308-MG-CX43TX	●	●	○		●	
	IXDMT11T308MG47TA	XDMT11T308-MG-CX47TA	●	●	●		●	○

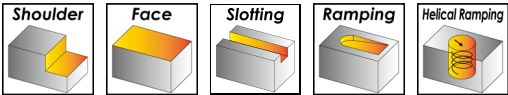
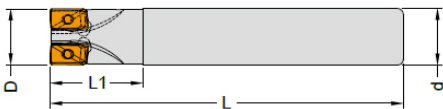
Shoulder Milling - CAXO

方肩銑刀



- Use XOMT inserts with 2 cutting edges.
- Optimized chip breaker reduces heat generation and cutting forces.
- 6~32mm cutter diameter, max. 7mm depth of cut.
- 使用 XOMT 銑刀片，2 個可用切削角
- 泛優化的刀口設計降低熱能產生及切削力，能維持長時間高效率加工
- 6~32mm 刀桿直徑，最大切削深度可達 7mm

CAXOE - Milling Tools 方肩銑刀



Insert Brand 建議刀片：Winstar, Seco, ...

Order No. 訂購編碼	D	L1	L	d	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICAXOE601006080	6	10	80	6	1		XOMT0602	ITS1610	ITK06	●
ICAXOE601008090	8	10	90	8	1					●
ICAXOE602010100	10	20	100	10	2					●
ICAXOE602012100	12	20	100	12	2			ITS1801	ITK06	●
ICAXOE603012100	12	20	100	12	3					●
ICAXOE602013100	13	20	100	12	2					●
ICAXOE603013100	13	20	100	12	3					●
ICAXOE604016100	16	30	100	16	4					●
ICAXOE605020120	20	30	120	20	5					●
ICAXOE102016150	16	22	150	16	2		XOMT10T3	ITS2515	ITK08	○
ICAXOE102020150	20	28	150	20	2					○
ICAXOE104025150	25	35	150	25	4					○
ICAXOE105032150	32	40	150	32	5					○
ICAXOE203025151	25	36	150	25	3	✓	XOMT1204	ITS3501	ITK15	●
ICAXOE204032150	32	40	150	32	4					●

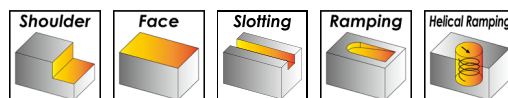
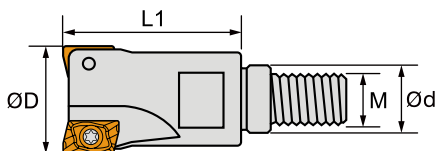
● stock ○ by inquiry

Customize available.

Shoulder Milling - CAXO

方肩銑刀

CAXOM - Modular Milling Heads 方肩銑刀頭



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

Order No. 訂購編碼	D	L1	d	M	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICAXOM602010050	10	16	5.5	M5	2		XOMT0602	ITS1801	ITK06	○
ICAXOM603012060	12	18	6.5	M6	3					●
ICAXOM604016080	16	20	8.5	M8	4					●
ICAXOM605020100	20	30	10.5	M10	5					●
ICAXOM102016080	16	26	8.5	M8	2		XOMT10T3	TS2515	ITK08	●
ICAXOM102016081	16	26	8.5	M8	2	✓				●
ICAXOM103020100	20	30	10.5	M10	3					●
ICAXOM103020101	20	30	10.5	M10	3	✓				●

● 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

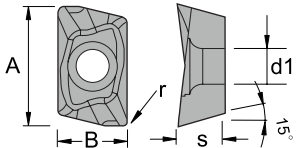
Recommended Cutting Conditions 建議切削數據

Working Material	XOMT0602			XOMT10T3		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.08 ~ 0.20	0.3 ~ 3.0	120 ~ 250	0.10 ~ 0.22	0.3 ~ 7.0
Stainless Steel	100 ~ 180	0.05 ~ 0.15	0.3 ~ 2.5	100 ~ 180	0.08 ~ 0.18	0.3 ~ 4.0
Cast Iron	120 ~ 250	0.08 ~ 0.13	0.3 ~ 3.0	120 ~ 250	0.10 ~ 0.22	0.3 ~ 7.0
High Temperature Alloy	40 ~ 100	0.05 ~ 0.12	0.3 ~ 2.5	40 ~ 100	0.07 ~ 0.14	0.3 ~ 5.0
Hardened Steel	50 ~ 100	0.05 ~ 0.13	0.3 ~ 2.5	50 ~ 100	0.07 ~ 0.15	0.3 ~ 5.0

Shoulder Milling - CAXO

方肩銑刀

Insert Specifications 刀片規格

Insert	Dimensions (mm)					
	A	B	S	r	d1	
XOMT060204	7	4.09	2.45	0.4	2	
XOMT060208	7	4.09	2.45	0.8	2	
XOMT060216	7	4.09	2.45	1.6	2	
XOMT10T308	11.08	6.86	3.8	0.8	3	
XOMT120408	11.6	8.2	5.07	0.8	3.9	

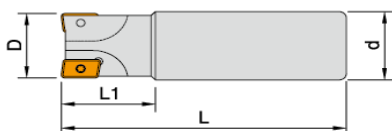
Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IXOMT060208SG32HS	XOMT060208-SG-CX32HS	●	●	●		○	
	IXOMT060208SG33TX	XOMT060208-SG-CX33TX	●	●	●		●	●
	IXOMT060204MG23AX	XOMT060204-MG-CX23AX	○	○	○		○	●
	IXOMT060204MG32HS	XOMT060204-MG-CX32HS	●	●	●		○	
	IXOMT060204MG33TX	XOMT060204-MG-CX33TX	●	●	●		●	●
	IXOMT060208MG23AX	XOMT060208-MG-CX23AX	○	○	○		○	●
	IXOMT060208MG32HS	XOMT060208-MG-CX32HS	●	●	●		○	
	IXOMT060208MG33TX	XOMT060208-MG-CX33TX	●	●	●		●	●
	IXOMT060208MG43TX	XOMT060208-MG-CX43TX	●	●	●		●	
	IXOMT060216MG23AX	XOMT060216-MG-CX23AX	○	○	○		○	●
	IXOMT060216MG32HS	XOMT060216-MG-CX32HS	●	●	●		○	
	IXOMT060216MG33TX	XOMT060216-MG-CX33TX	●	●	●		●	●
	IXOMT060216MG43TX	XOMT060216-MG-CX43TX	●	●	●		●	
	IXOMT10T308SG32HS	XOMT10T308-SG-CX32HS	●	●	●		○	
	IXOMT10T308SG33TX	XOMT10T308-SG-CX33TX	●	●	●		●	●
	IXOMT10T308SG43TX	XOMT10T308-SG-CX43TX	●	●	●		●	
	IXOMT10T308MG32HS	XOMT10T308-MG-CX32HS	●	●	●		○	
	IXOMT10T308MG33TX	XOMT10T308-MG-CX33TX	●	●	●		●	●
	IXOMT10T308MG43TX	XOMT10T308-MG-CX43TX	●	●	●		●	
	IXOMT10T308MG37TA	XOMT10T308-MG-CX37TA	○	○	●		○	○
	IXOMT10T308MG47TA	XOMT10T308-MG-CX47TA	●	●	○		●	○
	IXOMT120408MG32HS	XOMT120408-MG-CX32HS	●	●	●		○	
	IXOMT120408MG33TX	XOMT120408-MG-CX33TX	●	●	●		●	●
	IXOMT120408MG43TX	XOMT120408-MG-CX43TX	●	●	●		●	
	IXOMT120408MG37TA	XOMT120408-MG-CX37TA	○	○	●		○	○
	IXOMT120408MG47TA	XOMT120408-MG-CX47TA	●	●	○		●	○



- Use APMT inserts with 2 cutting edges.
- Low cost and various geometric designs for versatile applications.
- 16~80mm cutter diameter, max. 11mm depth of cut.
- 使用 APMT 銑刀片, 2 個可用切削角
- 低成本和多樣化的幾何設計適用於多種加工應用
- 16~80mm 刀桿直徑, 最大切削深度可達 11mm

CBAPE - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICBAPE302016100	16	25	100	16	2	APMT1135	ITS2515	ITK08	●
ICBAPE302016160	16	35	160	16	2				●
ICBAPE302020150	20	35	150	20	2				●
ICBAPE303020100	20	30	100	20	3				●
ICBAPE303020150	20	35	150	20	3				●
ICBAPE304025100	25	35	100	25	4				○
ICBAPE304030120	30	40	120	25	4				○
ICBAPE305032120	32	40	120	32	5				○
ICBAPE402025150	25	40	150	25	2	APMT1604 APGT1604	ITS4023	ITK15	●
ICBAPE402025200	25	70	200	25	2				○
ICBAPE403032150	32	45	150	32	3				●
ICBAPE403032200	32	80	200	32	3				●

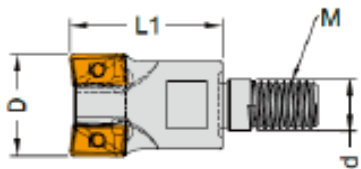
● stock ○ by inquiry

Customize available.

Shoulder Milling - CBAP

方肩銑刀

CBAPM - Modular Milling Heads 方肩銑刀頭



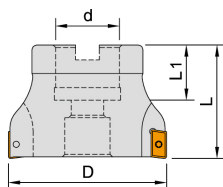
Insert Brand 建議刀片 : Winstar, Mitsubishi, ...

Order No. 訂購編碼	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICBAPM302016080	16	26	8.5	M8	2	APMT1135	ITS2515	ITK08	●
ICBAPM302020100	20	30	10.5	M10	2				●
ICBAPM303020100	20	30	10.5	M10	3				○
ICBAPM304025120	25	35	12.5	M12	4				●
ICBAPM305032160	32	40	17	M16	5				●
ICBAPM305033160	33	40	17	M16	5				○
ICBAPM402025120	25	35	12.5	M12	2	APMT1604 APGT1604	ITS4023	ITK15	●
ICBAPM403032160	32	40	17	M16	3				●

● 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

CBAPF - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L	L1	d	T	Inserts	Screw	Wrench	Stock
ICBAPF306050250	50	18	45	25.4	6	APMT1135	ITS2515	ITK08	●
ICBAPF307063220	63	22	45	22	7				●
ICBAPF307063254	63	22	45	25.4	7				●
ICBAPF308080250	80	26	50	25.4	8				●
ICBAPF308080270	80	26	50	27	8				●
ICBAPF405050220	50	22	45	22	5	APMT1604 APGT1604	ITS4023	ITK15	●
ICBAPF405050250	50	18	45	25.4	5				●
ICBAPF406063220	63	22	45	22	6				●
ICBAPF406063250	63	22	45	25.4	6				●
ICBAPF407080250	80	26	26	25.4	7				●
ICBAPF407080270	80	26	26	27	7				●

● stock ○ by inquiry

Customize available.

Recommended Cutting Conditions 建議切削數據

· For Shoulder Milling

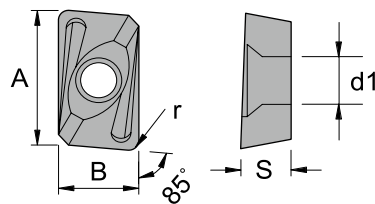
Working Material	APMT1135			APMT1604		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.5 ~ 7.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.5 ~ 4.0	100 ~ 180	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.5 ~ 6.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Aluminum Alloy	-	-	-	300 ~ 1000	0.10 ~ 0.40	0.5 ~ 11.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.5 ~ 4.0	40 ~ 100	0.10 ~ 0.22	0.5 ~ 7.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.5 ~ 4.0	50 ~ 100	0.10 ~ 0.22	0.5 ~ 7.0

· For High Feed Face Milling (use APMT113516 or APMT160416 insert)

Working Material	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.25 ~ 0.55	0.2 ~ 0.5
Stainless Steel	100 ~ 180	0.2 ~ 0.45	0.2 ~ 0.5
Cast Iron	120 ~ 250	0.25 ~ 0.55	0.2 ~ 0.5
High Temperature Alloy	40 ~ 100	0.175 ~ 0.35	0.2 ~ 0.5
Hardened Steel	50 ~ 100	0.175 ~ 0.375	0.2 ~ 0.5

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	B	S	r	d1
APMT113508	11.0	6.35	3.5	0.8	2.8
APMT113516	11.0	6.35	3.5	1.6	2.8
APMT160408	16.5	9.525	4.76	0.8	4.4
APMT160416	16.5	9.525	4.76	1.6	4.4
APGT160408	16.5	9.525	4.76	0.8	4.4

**Insert Designation** 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IAPMT113508EMG23AX	APMT113508PDER-MG-CX23AX	○	○	○		○	●
	IAPMT113508EMG32HS	APMT113508PDER-MG-CX32HS	●	●	●		○	
	IAPMT113508EMG33TX	APMT113508PDER-MG-CX33TX	●	●	●		●	●
	IAPMT113508EMG43TX	APMT113508PDER-MG-CX43TX	●	●	●		●	
	IAPMT113516EMG23AX	APMT113516PDER-MG-CX23AX	○	○	○		○	●
	IAPMT113516EMG32HS	APMT113516PDER-MG-CX32HS	●	●	●		○	
	IAPMT113516EMG33TX	APMT113516PDER-MG-CX33TX	●	●	●		●	●
	IAPMT113516EMG43TX	APMT113516PDER-MG-CX43TX	●	●	●		●	

Shoulder Milling - CBAP

方肩銑刀

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IAPMT113508ERG23AX	APMT113508PDER-RG-CX23AX	○	○	○		○	●
	IAPMT113508ERG32HS	APMT113508PDER-RG-CX32HS	●	●	●		○	
	IAPMT113508ERG33TX	APMT113508PDER-RG-CX33TX	●	●	●		●	●
	IAPMT113508ERG43TX	APMT113508PDER-RG-CX43TX	●	●	●		●	
	IAPMT113508EHG32HS	APMT113508PDER-HG-CX32HS	●	●	●		○	
	IAPMT113508EHG33TX	APMT113508PDER-HG-CX33TX	●	●	●		●	●
	IAPMT113508EHG43TX	APMT113508PDER-HG-CX43TX	●	●	●		●	
	IAPGT160408EAL10	APGT160408PDER-AL-CX10				●		
	IAPGT160408EFG23AX	APGT160408PDER-FG-CX23AX	○	○	○		○	●
	IAPMT160408EMG23AX	APMT160408PDER-MG-CX23AX	○	○	○		○	●
	IAPMT160408EMG32HS	APMT160408PDER-MG-CX32HS	●	●	●		○	
	IAPMT160408EMG33TX	APMT160408PDER-MG-CX33TX	●	●	●		●	●
	IAPMT160408EMG43TX	APMT160408PDER-MG-CX43TX	●	●	●		●	
	IAPMT160408EMG47TA	APMT160408PDER-MG-CX47TA	●	●	○		●	○
	IAPMT160416EMG32HS	APMT160416PDER-MG-CX32HS	●	●	●		○	
	IAPMT160416EMG33TX	APMT160416PDER-MG-CX33TX	●	●	●		●	●
	IAPMT160416EMG43TX	APMT160416PDER-MG-CX43TX	●	●	●		●	
	IAPMT160408ERG23AX	APMT160408PDER-RG-CX23AX	○	○	○		○	●
	IAPMT160408ERG32HS	APMT160408PDER-RG-CX32HS	●	●	●		○	
	IAPMT160408ERG33TX	APMT160408PDER-RG-CX33TX	●	●	●		●	●
	IAPMT160408ERG43TX	APMT160408PDER-RG-CX43TX	●	●	●		●	
	IAPMT160408EHG23AX	APMT160408PDER-HG-CX23AX	○	○	○		○	●
	IAPMT160408EHG32HS	APMT160408PDER-HG-CX32HS	●	●	●		○	
	IAPMT160408EHG33TX	APMT160408PDER-HG-CX33TX	●	●	●		●	●
	IAPMT160408EHG43TX	APMT160408PDER-HG-CX43TX	●	●	●		●	

Indexable Milling

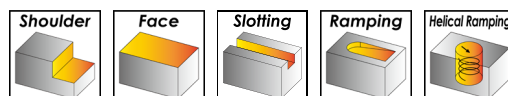
Shoulder Milling - CR39

方肩銑刀



- Use W390 inserts with 2 cutting edges.
- Optimized chip breaker for high efficient shoulder and side milling.
- 16~100mm cutter diameter, max. 11mm depth of cut.
- 使用 W390 銑刀片, 2 個可用切削角
- 優化的刀口設計適用於各種加工材料的高移除率的方肩銑和側銑
- 16~100mm 刀桿直徑, 最大切削深度可達 11mm

CR39E - Milling Tools 方肩銑刀



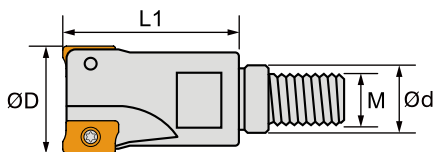
Insert Brand 建議刀片: Winstar, Sandvik, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICR39E302016150	16	30	150	16	2	W39011T3	ITS2509	ITK08	●
ICR39E303020150	20	30	150	20	3				○
ICR39E303025150	25	30	150	25	3				●
ICR39E303032150	32	35	150	32	3				○
ICR39E802025150	25	35	150	25	2	W3901806	ITS4005	ITK15	○
ICR39E803032150	32	40	150	32	3				○

● stock ○ by inquiry

Customize available.

CR39M - Modular Milling Heads 方肩銑刀頭



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

Order No. 訂購編碼	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICR39M302016080	16	26	8.5	M8	2	W39011T3	ITS2509	ITK08	○
ICR39M303020100	20	32	10.5	M10	3				○
ICR39M303025120	25	38	12.5	M12	3				○
ICR39M303032160	32	41	17	M16	3				○

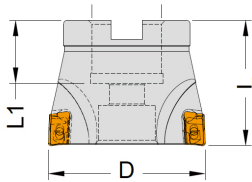
● stock ○ by inquiry

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

Shoulder Milling - CR39

方肩銑刀

CR39F - Milling Tools 方肩銑刀



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

Order No. 訂購編碼	D	L	d	T	Coolant	Inserts	Screw	Wrench	Stock
ICR39F305040161	40	40	16	5	✓	W39011T3	ITS2509	ITK08	●
ICR39F304050220	50	40	22	4					○
ICR39F306050221	50	40	22	6	✓				●
ICR39F305063220	63	40	22	5					○
ICR39F307063221	63	50	22	7	✓				●
ICR39F308080270	80	50	27	8					○
ICR39F805050221	50	40	22	5	✓	W3901806	ITS4005	ITK15	●
ICR39F806063221	63	40	22	6	✓				●
ICR39F807080271	80	50	27	7	✓				●
ICR39F808100321	100	50	32	8	✓				●

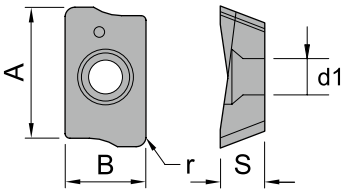
● stock ○ by inquiry

Customize available.

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	W39011T3		W3901806	
		fz	ap	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.3 ~ 7.0	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 4.0	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.3 ~ 6.0	0.12 ~ 0.28	0.5 ~ 10.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.3 ~ 4.0	0.10 ~ 0.18	0.5 ~ 7.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.3 ~ 4.0	0.10 ~ 0.20	0.5 ~ 7.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)					
	A	B	S	r	d1	
W39011T308	11	6.9	3.59	0.8	2.8	
W39011T320	11	6.9	3.59	2.0	2.8	
W390180612	15.4	11	6.33	1.2	4.2	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IW39011T308SG23AX	W39011T308-SG-CX23AX	○	○	○		○	●
	IW39011T308SG32HS	W39011T308-SG-CX32HS	●	●	●		○	
	IW39011T308SG33TX	W39011T308-SG-CX33TX	●	●	●		●	●
	IW39011T308SG43TX	W39011T308-SG-CX43TX	●	●	●		●	
	IW39011T308MG23AX	W39011T308-MG-CX23AX	○	○	○		○	●
	IW39011T308MG32HS	W39011T308-MG-CX32HS	●	●	●		○	
	IW39011T308MG33TX	W39011T308-MG-CX33TX	●	●	●		●	●
	IW39011T308MG43TX	W39011T308-MG-CX43TX	●	●	●		●	
	IW39011T308MG37TA	W39011T308-MG-CX37TA	○	○	●		○	○
	IW39011T308MG47TA	W39011T308-MG-CX47TA	●	●	○		●	○
	IW39011T320MG23AX	W39011T320-MG-CX23AX	○	○	○		○	●
	IW39011T320MG32HS	W39011T320-MG-CX32HS	●	●	●		○	
	IW39011T320MG33TX	W39011T320-MG-CX33TX	●	●	●		●	●
	IW39011T320MG43TX	W39011T320-MG-CX43TX	●	●	●		●	
	IW39011T320MG37TA	W39011T320-MG-CX37TA	○	○	●		○	○
	IW39011T320MG47TA	W39011T320-MG-CX47TA	●	●	○		●	○
	IW390180612SG32HS	W390180612-SG-CX32HS	●	●	●		○	
	IW390180612SG33TX	W390180612-SG-CX33TX	●	●	●		●	●
	IW390180612SG43TX	W390180612-SG-CX43TX	●	●	●		●	
	IW390180612SG37TA	W390180612-SG-CX37TA	○	○	●		○	○
	IW390180612SG47TA	W390180612-SG-CX47TA	●	●	○		●	○

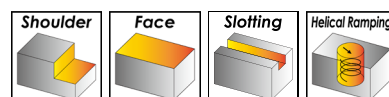
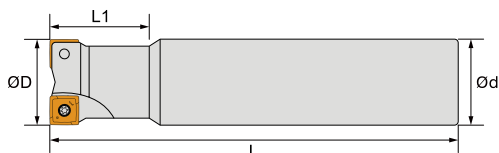
Shoulder Milling - CR49

方肩銑刀



- Use W490 inserts with 4 cutting edges.
- Great repeat side milling capability to reduce burs and get good surface finishing.
- 20~80mm cutter diameter, max. 9mm depth of cut.
- 使用 W490 單面銑刀片, 4 個可用切削角
- 出色的重複側銑能力可減少毛刺產生並獲得良好的表面光潔度
- 20~80mm 刀盤直徑, 最大切削深度可達 9mm

CR49E - Milling Tools 方肩銑刀

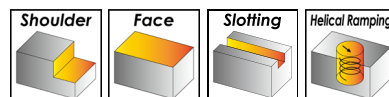
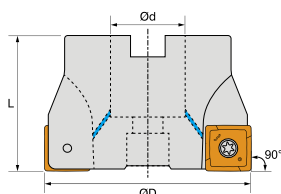


Insert Brand 建議刀片 : Winstar, Sandvik, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICR49E802020100	20	25	100	20	2	W49008T3	ITS2507	ITK08	●
ICR49E802020150	20	25	150	20	2				●
ICR49E803025100	25	32	100	20	3				●
ICR49E803025150	25	32	150	20	3				●

● stock ○ by inquiry

CR49F - Milling Tools 方肩銑刀



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

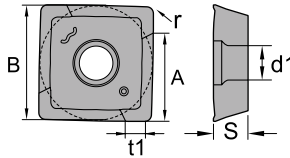
Order No. 訂購編碼	D	L	d	T	Coolant	Inserts	Screw	Wrench	Stock
ICR49F804040161	40	40	16	4	✓	W49008T3	ITS2507	ITK08	●
ICR49F805050221	50	40	22	5	✓				●
ICR49F806063221	63	40	22	6	✓				●
ICR49F404050221	50	40	22	4	✓	W4901404	ITS3505	ITK15	●
ICR49F405063221	63	40	22	5	✓				●
ICR49F407080271	80	50	27	7	✓				●

● stock ○ by inquiry

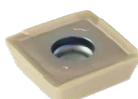
Recommended Cutting Conditions 建議切削數據

Working Material	Vc	W49008T3		W4901404	
		fz	ap	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.05 ~ 0.12	0.3 ~ 5.5	0.06 ~ 0.15	0.3 ~ 9
Stainless Steel	100 ~ 180	0.04 ~ 0.10	0.3 ~ 4.5	0.05 ~ 0.12	0.3 ~ 8
Cast Iron	120 ~ 250	0.05 ~ 0.12	0.3 ~ 5.5	0.06 ~ 0.15	0.3 ~ 9
Aluminum Alloy	300 ~ 1000	-	-	0.05 ~ 0.15	0.3 ~ 9
High Temperature Alloy	40 ~ 100	0.03 ~ 0.09	0.3 ~ 4.5	0.04 ~ 0.11	0.3 ~ 8
Hardened Steel	50 ~ 100	0.03 ~ 0.09	0.3 ~ 4.5	0.04 ~ 0.11	0.3 ~ 8

Insert Specifications 刀片規格

Insert	Dimensions (mm)						
	A	B	S	r	d1	t1	
W49008T308	5.6	8.5	3.3	0.8	2.8	1.2	
W490140408	10.3	13.8	3.9	0.8	4.1	2.0	

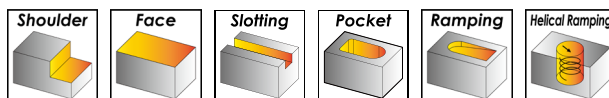
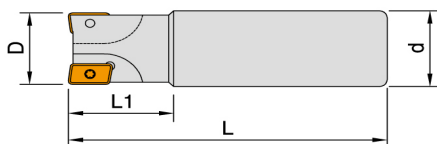
Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IW49008T308SG23AX	W49008T308-SG-CX23AX	○	○	○		○	●
	IW49008T308SG32HS	W49008T308-SG-CX32HS	●	●	●		○	
	IW49008T308SG33TX	W49008T308-SG-CX33TX	●	●	●		●	●
	IW49008T308SG43TX	W49008T308-SG-CX43TX	●	●	●		●	
	IW490140408SG32HS	W490140408-SG-CX32HS	●	●	●		○	
	IW490140408SG33TX	W490140408-SG-CX33TX	●	●	●		●	●
	IW490140408SG43TX	W490140408-SG-CX43TX	●	●	●		●	
	IW490140408MG23AX	W490140408-MG-CX23AX	○	○	○		○	●
	IW490140408MG32HS	W490140408-MG-CX32HS	●	●	●		○	
	IW490140408MG33TX	W490140408-MG-CX33TX	●	●	●		●	●
	IW490140408MG43TX	W490140408-MG-CX43TX	●	●	●		●	
	IW490140408MG37TA	W490140408-MG-CX37TA	○	○	●		○	○
	IW490140408MG47TA	W490140408-MG-CX47TA	●	●	○		●	○



- Use AXMT inserts with 2 cutting edges.
- Strong cutting edges for high removal rate shoulder milling.
- 16~100mm cutter diameter, max. 11mm depth of cut.
- 使用 AXMT 銑刀片, 2 個可用切削角
- 堅固的切削刃提供高移除率的方肩銑刀
- 16~100mm 刀桿直徑, 最大切削深度可達 11mm

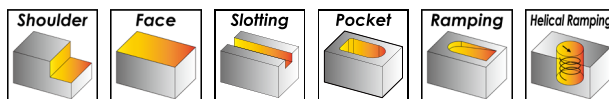
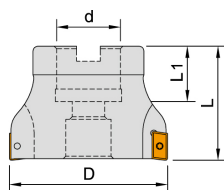
CWEXE - Milling Tools 方肩銑刀



Insert Brand 建議刀片: Winstar, Sumitomo, Nachi, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICWEXE202016120	16	35	120	16	2	AXMT1235	ITS3002	ITK09	●
ICWEXE203020120	20	40	120	20	3				●
ICWEXE204025150	25	45	150	25	4				●
ICWEXE205032150	32	45	150	32	5				●
ICWEXE702025150	25	40	150	25	2	AXMT1705	ITS4004	ITK15	●
ICWEXE703032150	32	45	150	32	3				●

CWEXF - Milling Tools 方肩銑刀



Insert Brand 建議刀片: Winstar, Sumitomo, Nachi, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICWEXF206050220	50	20	45	22	6	AXMT1235	ITS3002	ITK09	●
ICWEXF207063220	63	20	45	22	7				●
ICWEXF208080270	80	26	50	27	8				●
ICWEXF704050220	50	20	45	22	4	AXMT1705	ITS4004	ITK15	●
ICWEXF705063220	63	20	45	22	5				●
ICWEXF707080270	80	26	50	27	7				●
ICWEXF707100320	100	26	50	32	7				○

● stock ○ by inquiry

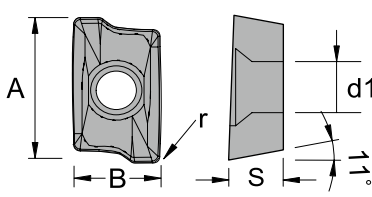
Customize available.

Recommended Cutting Conditions 建議切削數據

Working Material	AXMT1235			AXMT1705		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.3 ~ 7.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 4.0	100 ~ 180	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.3 ~ 6.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 10.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.3 ~ 4.0	40 ~ 100	0.10 ~ 0.18	0.5 ~ 7.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.3 ~ 4.0	50 ~ 100	0.10 ~ 0.20	0.5 ~ 7.0

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	B	S	r	d1
AXMT123508	12.18	6.93	3.58	0.8	3.4
AXMT170508	17.50	10.2	5.56	0.8	4.6
AXMT170516	17.50	10.2	5.56	1.6	4.6



Insert Designation 刀片型號

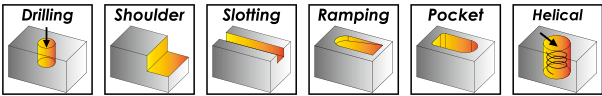
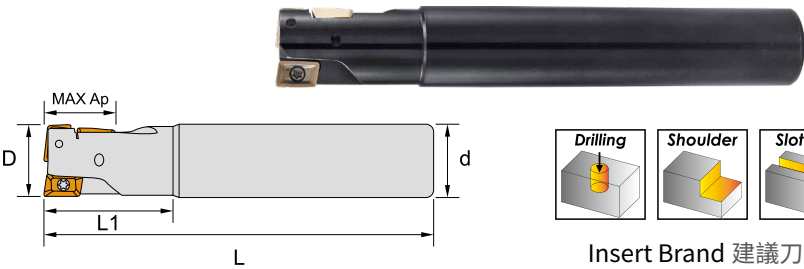
Insert	Order No. 訂購編碼	Designation	Working Material					
			P	M	K	N	S	H
	IAXMT123508ERG23AX	AXMT123508PEER-RG-CX23AX	○	○	○		○	●
	IAXMT123508ERG32HS	AXMT123508PEER-RG-CX32HS	●	●	●		○	
	IAXMT123508ERG33TX	AXMT123508PEER-RG-CX33TX	●	●	●		●	●
	IAXMT123508ERG43TX	AXMT123508PEER-RG-CX43TX	●	●	●		●	
	IAXMT123508ERG37TA	AXMT123508PEER-RG-CX37TA	○	○	●		○	○
	IAXMT170508ERG23AX	AXMT170508PEER-RG-CX23AX	○	○	○		○	●
	IAXMT170508ERG32HS	AXMT170508PEER-RG-CX32HS	●	●	●		○	
	IAXMT170508ERG33TX	AXMT170508PEER-RG-CX33TX	●	●	●		●	●
	IAXMT170508ERG43TX	AXMT170508PEER-RG-CX43TX	●	●	●		●	
	IAXMT170508ERG37TA	AXMT170508PEER-RG-CX37TA	○	○	●		○	○
	IAXMT170516ERG32HS	AXMT170516PEER-RG-CX32HS	●	●	●		○	○
	IAXMT170516ERG33TX	AXMT170516PEER-RG-CX33TX	●	●	●		●	●
	IAXMT170516ERG43TX	AXMT170516PEER-RG-CX43TX	●	●	●		●	
	IAXMT170516ERG37TA	AXMT170516PEER-RG-CX37TA	○	○	●		○	○
	IAXMT170516ERG47TA	AXMT170516PEER-RG-CX47TA	●	●	○		●	○



- Use APMT inserts with 2 cutting edges.
- Cutter with over-center design for drilling and milling.
- 10~80mm cutter diameter, max. 11mm depth of cut.
- 使用 APMT 銑刀片, 2 個可用切削角
- 刀桿過中心設計, 適用於鑽孔、方肩、開槽、斜坡、挖槽、及螺旋銑削
- 10~80mm 刀桿直徑, 最大端銑切削深度可達 11mm

Indexable Milling

CWMMD - Drilling & Milling Tools 鑽銑刀

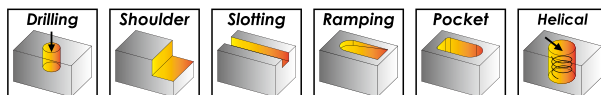
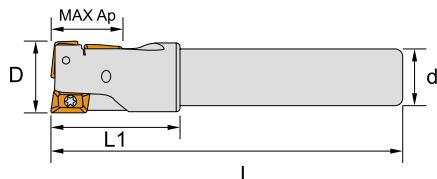


Insert Brand 建議刀片 : Winstar, Sumitomo, Nachi, ...

Order No. 訂購編碼	D	L1	L	d	Insert Number	Max Ap	Inserts	Screw	Wrench	Stock
ICWMMD303020120	20	35	125	20	3	16	APMT1035	ITS2515	ITK08	●
ICWMMD303020180	20	35	185	20	3	16				●
ICWMMD304025140	25	35	140	25	4	24				●
ICWMMD304025220	25	35	220	25	4	24				●
ICWMMD604032150	32	50	150	32	4	40	APMT1605	ITS4004	ITK15	●
ICWMMD604032230	32	60	230	32	4	40				●

● stock ○ by inquiry

CWMMD - Drilling & Milling Tools 鑽銑刀



Insert Brand 建議刀片 : Winstar, Sumitomo, Nachi, ...

Order No. 訂購編碼	D	L1	L	d	Insert Number	Max Ap	Inserts	Screw	Wrench	Stock
ICWMMD303021120	21	35	125	20	3	16	APMT1035	ITS2515	ITK08	●
ICWMMD304026140	26	35	140	25	4	24				●
ICWMMD305030150	30	50	150	25	5	32				●
ICWMMD604033150	33	50	150	32	4	40	APMT1605	ITS4004	ITK15	●
ICWMMD604040160	40	60	160	32	4	40				●
ICWMMD604040240	40	60	240	32	4	40				●

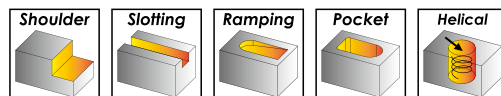
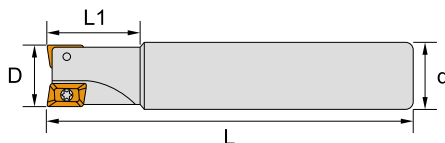
● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	fz					
		APMT1035			APMT1605		
		Shoulder	Slotting	Drilling	Shoulder	Slotting	Drilling
Carbon Steel / Alloy Steel	100 ~ 160	0.06 ~ 0.20	0.06 ~ 0.12	0.06 ~ 0.18	0.06 ~ 0.25	0.06 ~ 0.15	0.06 ~ 0.20
Stainless Steel	80 ~ 120	0.05 ~ 0.15	0.05 ~ 0.10	0.05 ~ 0.12	0.05 ~ 0.20	0.05 ~ 0.12	0.05 ~ 0.18
Cast Iron	90 ~ 180	0.06 ~ 0.20	0.06 ~ 0.12	0.06 ~ 0.18	0.06 ~ 0.25	0.06 ~ 0.15	0.06 ~ 0.20
High Temperature Alloy	60 ~ 100	0.05 ~ 0.12	0.05 ~ 0.08	0.05 ~ 0.10	0.05 ~ 0.17	0.05 ~ 0.10	0.05 ~ 0.15
Hardened Steel	60 ~ 100	0.05 ~ 0.12	0.05 ~ 0.08	0.05 ~ 0.10	0.05 ~ 0.17	0.05 ~ 0.10	0.05 ~ 0.15

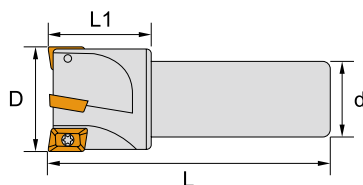
※ Use step feed in drilling, per step Ap 0.5 ~ 1.0mm. 鑽孔加工時，需分次加工 (每段 Ap 0.5 ~ 1.0mm)

CWMME - Milling Tools 方肩銑刀



Insert Brand 建議刀片 : Winstar, Sumitomo, Nachi, ...

Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICWMME301010100	10	20	100	12	1	APMT1035	ITS2515	ITK08	●
ICWMME301012100	12	25	100	12	1				●
ICWMME302016120	16	25	120	16	2				●
ICWMME303020120	20	30	120	20	3				●
ICWMME304025150	25	35	150	25	4				●
ICWMME305032150	32	45	150	32	5				●
ICWMME602025150	25	40	150	25	2	APMT1605	ITS4004	ITK15	●
ICWMME602025220	25	40	220	25	2				●
ICWMME602032150	32	45	150	32	2				●
ICWMME602032250	32	45	250	32	2				●
ICWMME603032150	32	45	150	32	3				●



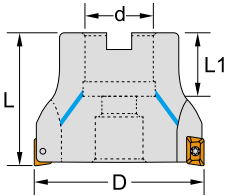
Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICWMME306040130	40	45	135	32	6	APMT1035	ITS2515	ITK08	○
ICWMME306050130	50	45	135	32	6				○
ICWMME306063130	63	45	135	32	6				○
ICWMME603035150	35	45	150	32	3	APMT1605	ITS4004	ITK15	○
ICWMME603035250	35	45	250	32	3				○
ICWMME603040130	40	45	135	32	3				○
ICWMME604050130	50	45	135	32	4				○

● stock ○ by inquiry

Shoulder Milling - CWMM

方肩銑刀

CWMMF - Milling Tools 方肩銑刀



Insert Brand 建議刀片 : Winstar, Sumitomo, Nachi, ...

Order No. 訂購編碼	D	L1	L	d	T	Coolant Hole	Inserts	Screw	Wrench	Stock
ICWMMF306050221	50	20	45	22	6	✓	APMT1035	ITS2515	ITK08	●
ICWMMF306050250	50	20	45	25.4	6					●
ICWMMF306063220	63	20	45	22	6					●
ICWMMF306063250	63	20	45	25.4	6					●
ICWMMF604050221	50	20	45	22	4	✓	APMT1605	ITS4004	ITK15	●
ICWMMF604050251	50	20	45	25.4	4	✓				●
ICWMMF605063220	63	20	45	22	5					○
ICWMMF605063251	63	20	45	25.4	5	✓				●
ICWMMF606080250	80	26	50	25.4	6					●
ICWMMF606080270	80	26	50	27	6					○

● stock ○ by inquiry

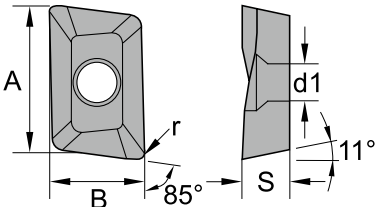
Recommended Cutting Conditions 建議切削數據

Working Material	APMT1035			APMT1605		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.3 ~ 7.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.3 ~ 4.0	100 ~ 180	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.3 ~ 6.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 10.0
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	0.3 ~ 4.0	40 ~ 100	0.10 ~ 0.18	0.5 ~ 7.0
Hardened Steel	50 ~ 100	0.07 ~ 0.15	0.3 ~ 4.0	50 ~ 100	0.10 ~ 0.20	0.5 ~ 7.0

Shoulder Milling - CWMM

方肩銑刀

Insert Specifications 刀片規格

Insert	Dimensions (mm)					
	A	B	S	r	d1	
APMT103508	10	6.6	3.5	0.8	3	
APET160508	16	9.525	5.56	0.8	4.4	
APMT160508	16	9.525	5.56	0.8	4.4	

Insert Designation 刀片型號

Insert	Order No. 訂購編碼	Designation 型號	Working Material					
			P	M	K	N	S	H
	IAPMT103508ERG23AX	APMT103508PDER-RG-CX23AX	○	○	○		○	●
	IAPMT103508ERG32HS	APMT103508PDER-RG-CX32HS	●	●	●		○	
	IAPMT103508ERG33TX	APMT103508PDER-RG-CX33TX	●	●	●		●	●
	IAPMT103508ERG43TX	APMT103508PDER-RG-CX43TX	●	●	●		●	
	IAPET160508FAL10	APET160508PDFR-AL-CX10				●		
	IAPMT160508ERG32HS	APMT160508PDER-RG-CX32HS	●	●	●		○	
	IAPMT160508ERG33TX	APMT160508PDER-RG-CX33TX	●	●	●		●	●

Indexable Milling