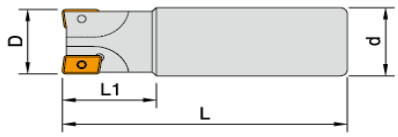
Shoulder Milling - CBAP 方肩銑刀

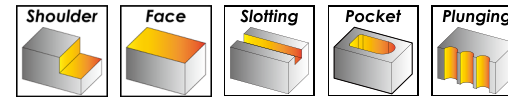
CBAP Series

- 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

CBAPE - Milling Tools 方肩銑刀





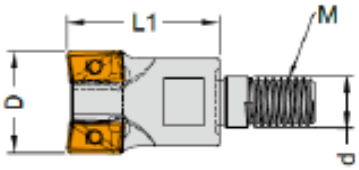
Insert Brand 建議刀片 : Winstar, Mitsubishi, ...

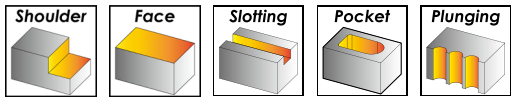
Order No. 訂購編碼	D	L1	L	d	T	Inserts	Screw	Wrench	Stock
ICBAPE302016100	16	25	100	16	2	APMT1135	ITS2515	ITK08	●
ICBAPE302016160	16	35	160	16	2				●
ICBAPE302020150	20	35	150	20	2				●
ICBAPE303020100	20	30	100	20	3				●
ICBAPE303020150	20	35	150	20	3				●
ICBAPE304025100	25	35	100	25	4				○
ICBAPE304030120	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.

CBAPM - Modular Milling Heads 方肩銑刀頭





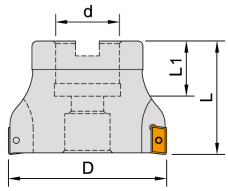
Insert Brand 建議刀片：Winstar, Mitsubishi, ...

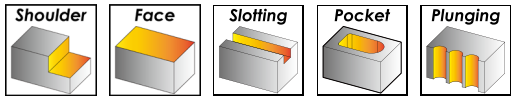
Order No. 訂購編碼	D	L1	d	M	T	Inserts	Screw	Wrench	Stock
ICBAPM302016080	16	26	8.5	M8	2	APMT1135	ITS2515	ITK08	●
ICBAPM302020100	20	30	10.5	M10	2				●
ICBAPM303020100	20	30	10.5	M10	3				○
ICBAPM304025120	25	35	12.5	M12	4				●
ICBAPM305032160	32	40	17	M16	5				●
ICBAPM305033160	33	40	17	M16	5				○
ICBAPM402025120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

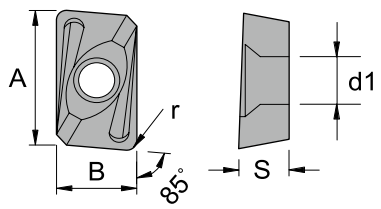
Working Material	APMT1135			APMT1604		
	Vc	fz	ap	Vc	fz	ap
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	0.5 ~ 7.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
Stainless Steel	100 ~ 180	0.08 ~ 0.18	0.5 ~ 4.0	100 ~ 180	0.10 ~ 0.22	0.5 ~ 7.0
Cast Iron	120 ~ 250	0.10 ~ 0.22	0.5 ~ 6.0	120 ~ 250	0.12 ~ 0.28	0.5 ~ 11.0
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	●	●	●		●	

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	●	●	●		●	