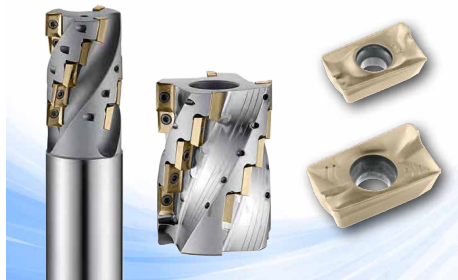


CAPH Series



- Use APKT inserts with 2 cutting edges.
- Offers large depth of cut in rough contouring applications.
- 20~63mm cutter diameter.
- 使用 APKT 銑刀片 , 2 個可用切削角
- 適用於較大切削深度的輪廓粗加工應用
- 20~63mm 刀桿直徑

→ Page A137

CBAH Series



- Use APMT inserts with 2 cutting edges.
- Offers large depth of cut in rough contouring applications.
- 20~63mm cutter diameter.
- 使用 APMT 銑刀片 , 2 個可用切削角
- 適用於較大切削深度的輪廓粗加工應用
- 20~63mm 刀桿直徑

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C39H Series



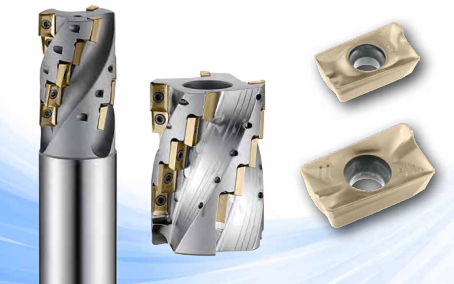
- Use W390 inserts with 2 cutting edges.
- High efficient and large depth of cut in rough contouring applications.
- 25~32mm cutter diameter.
- 使用 W390 銑刀片 , 2 個可用切削角
- 適用於高效率及較大切削深度的輪廓粗加工應用
- 25~32mm 刀桿直徑

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Helical Milling - CAPH

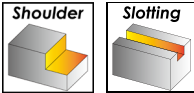
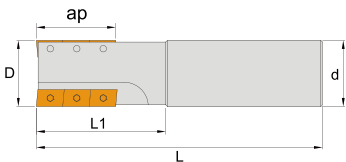
玉米粗銑刀

CAPH Series



- Use APKT inserts with 2 cutting edges.
- Offers large depth of cut in rough contouring applications.
- 20~63mm cutter diameter.
- 使用 APKT 銑刀片，2 個可用切削角
- 適用於較大切削深度的輪廓粗加工應用
- 20~63mm 刀桿直徑

CAPHE - Milling Tools 玉米粗銑刀

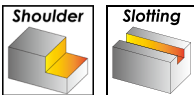
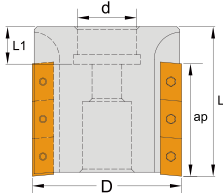


Insert Brand : Winstar, Iscar, Ceratizit, ...

Order No.	D	ap	L1	L	d	T × Pcs	Inserts	Screw	Wrench	Stock
ICAPHE305020100	20	28	42	107	20	1 x 5	APKT1003	ITS2515	ITK08	●
ICAPHE308025120	25	35	50	125	25	2 x 4				●
ICAPHE315032130	32	44	60	135	32	3 x 5				●

● stock ○ by inquiry

CAPHF - Milling Tools 玉米粗銑刀



Insert Brand : Winstar, Iscar, Ceratizit, ...

Order No.	D	ap	L2	L	d	T × Pcs	Inserts	Screw	Wrench	Stock
ICAPHF409050220	50	42	21	69	22	3 x 3	APET1604 APKT1604	ITS4023	ITK15	●
ICAPHF412063250	63	42	38	69	25.4	4 x 3				●
ICAPHF420063252	63	68	38	97	25.4	4 x 5				●

● stock ○ by inquiry

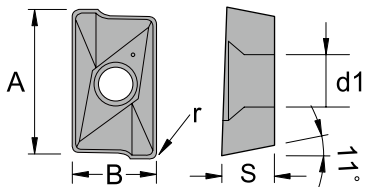
Indexable Milling

Recommended Cutting Conditions 建議切削數據

Working Material	APKT1003		APKT1604	
	Vc	fz	Vc	fz
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	120 ~ 250	0.12 ~ 0.28
Stainless Steel	100 ~ 180	0.08 ~ 0.18	100 ~ 180	0.10 ~ 0.22
Cast Iron	120 ~ 250	0.10 ~ 0.22	120 ~ 250	0.12 ~ 0.28
Aluminum Alloy	-	-	300 ~ 1000	0.10 ~ 0.40
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	40 ~ 100	0.10 ~ 0.18

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.	Code-Chipbreaker-Grade	Working Material					
			P	M	K	N	S	H
	IAPKT100304EMG23TX	APKT100304PDER-MG-CX23TX	○	○	○		○	●
	IAPKT100304EMG32HS	APKT100304PDER-MG-CX32HS	●	○	●			
	IAPKT100304EMG33TX	APKT100304PDER-MG-CX33TX	●	○	●		○	●
	IAPKT100304EMG33UX	APKT100304PDER-MG-CX33UX	●	●	●		●	○
	IAPKT100304EMG43TX	APKT100304PDER-MG-CX43TX	●	●			●	
	IAPKT100308EMG23TX	APKT100308PDER-MG-CX23TX	○	○	○		○	●
	IAPKT100308EMG32HS	APKT100308PDER-MG-CX32HS	●	○	●			
	IAPKT100308EMG33TX	APKT100308PDER-MG-CX33TX	●	○	●		○	●
	IAPKT100308EMG33UX	APKT100308PDER-MG-CX33UX	●	●	●		●	○
	IAPKT100308EMG43TX	APKT100308PDER-MG-CX43TX	●	●			●	
	IAPKT100304ERG32HS	APKT100304PDER-RG-CX32HS	●	○	●			
	IAPKT100304ERG33TX	APKT100304PDER-RG-CX33TX	●	○	●		○	●
	IAPET160402FAL10	APET160402PDFR-AL-CX10				●		
	IAPET160404FAL10	APET160404PDFR-AL-CX10				●		
	IAPET160402FFG23TX	APET160402PDFR-FG-CX23TX	○	○	○		○	●
	IAPET160404FFG23TX	APET160404PDFR-FG-CX23TX	○	○	○		○	●
	IAPKT160408EMG23TX	APKT160408PDER-MG-CX23TX	○	○	○		○	●
	IAPKT160408EMG32HS	APKT160408PDER-MG-CX32HS	●	○	●			
	IAPKT160408EMG33TX	APKT160408PDER-MG-CX33TX	●	○	●		○	●
	IAPKT160408EMG33UX	APKT160408PDER-MG-CX33UX	●	●	●		●	○
	IAPKT160408EMG43TX	APKT160408PDER-MG-CX43TX	●	●			●	
	IAPKT160408ERG23TX	APKT160408PDER-RG-CX23TX	○	○	○		○	●
	IAPKT160408ERG32HS	APKT160408PDER-RG-CX32HS	●	○	●			
	IAPKT160408ERG33TX	APKT160408PDER-RG-CX33TX	●	○	●		○	●
	IAPKT160408ERG43TX	APKT160408PDER-RG-CX43TX	●	●			●	

Helical Milling - CBAH

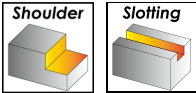
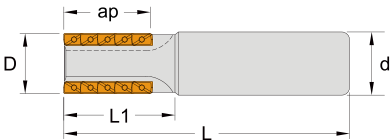
玉米粗銑刀

CBAH Series



- Use APMT inserts with 2 cutting edges.
- Offers large depth of cut in rough contouring applications.
- 20~63mm cutter diameter.
- 使用 APMT 銑刀片 , 2 個可用切削角
- 適用於較大切削深度的輪廓粗加工應用
- 20~63mm 刀桿直徑

CBAHE - Milling Tools 玉米粗銑刀



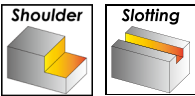
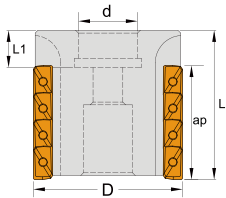
Insert Brand : Winstar, Mitsubishi, ...

Order No.	D	ap	L1	L	d	T × Pcs	Inserts	 Screw	 Wrench	Stock
ICBAHE305020100	20	28	42	107	20	1 × 5	APGT1135 APMT1135	ITS2515	ITK08	●
ICBAHE308025120	25	35	50	125	25	2 × 4				●
ICBAHE315032130	32	44	60	135	32	3 × 5				●
ICBAHE324040170	40	72	94	175	32	3 × 8				●
ICBAHE406032130	32	42	55	135	32	2 × 3	APGT1604 APMT1604	ITS4023	ITK15	●
ICBAHE410040170	40	68	94	175	32	2 × 5				●
ICBAHE415040170	40	68	94	175	32	3 × 5				●
ICBAHE424050220	50	100	128	224	50.8	3 × 8				●
ICBAHE436050280	50	158	188	284	50.8	3 × 12				●

Helical Milling - CBAH

玉米粗銑刀

CBAHF - Milling Tools 玉米粗銑刀



Insert Brand : Winstar, Mitsubishi, ...

Order No.	D	ap	L1	L	d	T × Pcs	Inserts	Screw	Wrench	Stock
ICBAHF409050220	50	42	21	69	22	3 × 3	APGT1604 APMT1604	ITS4023	ITK15	●
ICBAHF412063250	63	42	38	69	25.4	4 × 3				●
ICBAHF420063250	63	68	38	97	25.4	4 × 5				●

● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	APMT1135		APMT1604	
	Vc	fz	Vc	fz
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22	120 ~ 250	0.12 ~ 0.28
Stainless Steel	100 ~ 180	0.08 ~ 0.18	100 ~ 180	0.10 ~ 0.22
Cast Iron	120 ~ 250	0.10 ~ 0.22	120 ~ 250	0.12 ~ 0.28
Aluminum Alloy	-	-	300 ~ 1000	0.10 ~ 0.40
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14	40 ~ 100	0.10 ~ 0.22

Insert Specifications 刀片規格

Insert	Dimensions (mm)				
	A	B	S	r	d1
APGT113508	11.0	6.35	3.5	0.8	2.8
APMT113508	11.0	6.35	3.5	0.8	2.8
APMT113516	11.0	6.35	3.5	1.6	2.8
APGT160408	16.5	9.525	4.76	0.8	4.4
APMT160408	16.5	9.525	4.76	0.8	4.4
APMT160416	16.5	9.525	4.76	1.6	4.4

Insert Designation 刀片型號

Insert	Order No.	Code-Chipbreaker-Grade	Working Material					
			P	M	K	N	S	H
	IAPGT113508EAL10	APGT113508PDER-AL-CX10				●		
	IAPGT113508EFG23TX	APGT113508PDER-FG-CX23TX	○	○	○		○	●
	IAPMT113508EMG23TX	APMT113508PDER-MG-CX23TX	○	○	○		○	●
	IAPMT113508EMG32HS	APMT113508PDER-MG-CX32HS	●	○	●			
	IAPMT113508EMG33TX	APMT113508PDER-MG-CX33TX	●	○	●		○	●
	IAPMT113508EMG33UX	APMT113508PDER-MG-CX33UX	●	●	●		●	○
	IAPMT113508EMG43TX	APMT113508PDER-MG-CX43TX	●	●			●	
	IAPMT113516EMG23TX	APMT113516PDER-MG-CX23TX	○	○	○		○	●
	IAPMT113516EMG32HS	APMT113516PDER-MG-CX32HS	●	○	●			
	IAPMT113516EMG33TX	APMT113516PDER-MG-CX33TX	●	○	●		○	●
	IAPMT113516EMG33UX	APMT113516PDER-MG-CX33UX	●	●	●		●	○
	IAPMT113516EMG43TX	APMT113516PDER-MG-CX43TX	●	●			●	
	IAPMT113508ERG23TX	APMT113508PDER-RG-CX23TX	○	○	○		○	●
	IAPMT113508ERG32HS	APMT113508PDER-RG-CX32HS	●	○	●			
	IAPMT113508ERG33TX	APMT113508PDER-RG-CX33TX	●	○	●		○	●
	IAPMT113508EHG32HS	APMT113508PDER-HG-CX32HS	●	○	●			
	IAPMT113508EHG33TX	APMT113508PDER-HG-CX33TX	●	○	●		○	●
	IAPMT113508EHG43TX	APMT113508PDER-HG-CX43TX	●	●			●	
	IAPGT160408EAL10	APGT160408PDER-AL-CX10				●		
	IAPGT160408EFG23TX	APGT160408PDER-FG-CX23TX	○	○	○		○	●
	IAPMT160408EMG23TX	APMT160408PDER-MG-CX23TX	○	○	○		○	●
	IAPMT160408EMG32HS	APMT160408PDER-MG-CX32HS	●	○	●			
	IAPMT160408EMG33TX	APMT160408PDER-MG-CX33TX	●	○	●		○	●
	IAPMT160408EMG33UX	APMT160408PDER-MG-CX33UX	●	●	●		●	○
	IAPMT160408EMG43TX	APMT160408PDER-MG-CX43TX	●	●			●	
	IAPMT160408EMG47TA	APMT160408PDER-MG-CX47TA	●	○	●		○	
	IAPMT160416EMG32HS	APMT160416PDER-MG-CX32HS	●	○	●			
	IAPMT160416EMG33TX	APMT160416PDER-MG-CX33TX	●	○	●		○	●
	IAPMT160416EMG33UX	APMT160416PDER-MG-CX33UX	●	●	●		●	○
	IAPMT160416EMG43TX	APMT160416PDER-MG-CX43TX	●	●			●	
	IAPMT160408ERG23TX	APMT160408PDER-RG-CX23TX	○	○	○		○	●
	IAPMT160408ERG32HS	APMT160408PDER-RG-CX32HS	●	○	●			
	IAPMT160408ERG33TX	APMT160408PDER-RG-CX33TX	●	○	●		○	●
	IAPMT160408ERG43TX	APMT160408PDER-RG-CX43TX	●	●			●	
	IAPMT160408EHG23TX	APMT160408PDER-HG-CX23TX	○	○	○		○	●
	IAPMT160408EHG32HS	APMT160408PDER-HG-CX32HS	●	○	●			
	IAPMT160408EHG33TX	APMT160408PDER-HG-CX33TX	●	○	●		○	●
	IAPMT160408EHG43TX	APMT160408PDER-HG-CX43TX	●	●			●	

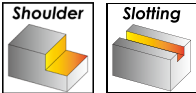
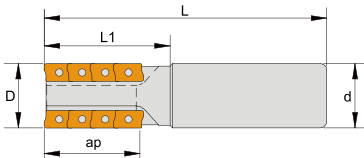
Helical Milling - C39H 玉米粗銑刀

C39H Series



- Use W390 inserts with 2 cutting edges.
- High efficient and large depth of cut in rough contouring applications.
- 25~32mm cutter diameter.
- 使用 W390 銑刀片 , 2 個可用切削角
- 適用於高效率及較大切削深度的輪廓粗加工應用
- 25~32mm 刀桿直徑

C39HE - Milling Tools 玉米粗銑刀



Insert Brand : Winstar, Sandvik, ...

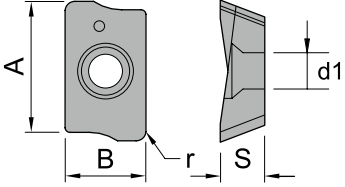
Order No.	D	ap	L1	L	d	T × Pcs	Inserts	 Screw	 Wrench	Stock
IC39HE308025110	25	36	50	110	25	2 × 4	W39011T3	ITS2509	ITK08	●
IC39HE308032120	32	36	50	125	32	2 × 4				●

● stock ○ by inquiry

Recommended Cutting Conditions 建議切削數據

Working Material	Vc	fz
Carbon Steel / Alloy Steel	120 ~ 250	0.10 ~ 0.22
Stainless Steel	100 ~ 180	0.08 ~ 0.18
Cast Iron	120 ~ 250	0.10 ~ 0.22
High Temperature Alloy	40 ~ 100	0.07 ~ 0.14

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	

Insert Designation 刀片型號

Insert	Order No.	Code-Chipbreaker-Grade	Working Material					
			P	M	K	N	S	H
	IW39011T308SG23TX	W39011T308-SG-CX23TX	○	○	○		○	●
	IW39011T308SG32HS	W39011T308-SG-CX32HS	●	○	●			
	IW39011T308SG33TX	W39011T308-SG-CX33TX	●	○	●		○	●
	IW39011T308SG33UX	W39011T308-SG-CX33UX	●	●	●		●	○
	IW39011T308SG43TX	W39011T308-SG-CX43TX	●	●			●	
	IW39011T308MG23TX	W39011T308-MG-CX23TX	○	○	○		○	●
	IW39011T308MG32HS	W39011T308-MG-CX32HS	●	○	●			
	IW39011T308MG33TX	W39011T308-MG-CX33TX	●	○	●		○	●
	IW39011T308MG33UX	W39011T308-MG-CX33UX	●	●	●		●	○
	IW39011T308MG43TX	W39011T308-MG-CX43TX	●	●			●	
	IW39011T308MG37TA	W39011T308-MG-CX37TA	●		●			○
	IW39011T308MG47TA	W39011T308-MG-CX47TA	●	○	●		○	
	IW39011T320MG23TX	W39011T320-MG-CX23TX	○	○	○		○	●
	IW39011T320MG32HS	W39011T320-MG-CX32HS	●	○	●			
	IW39011T320MG33TX	W39011T320-MG-CX33TX	●	○	●		○	●
	IW39011T320MG33UX	W39011T320-MG-CX33UX	●	●	●		●	○
	IW39011T320MG43TX	W39011T320-MG-CX43TX	●	●			●	
	IW39011T320MG37TA	W39011T320-MG-CX37TA	●		●			○
	IW39011T320MG47TA	W39011T320-MG-CX47TA	●	○	●		○	