

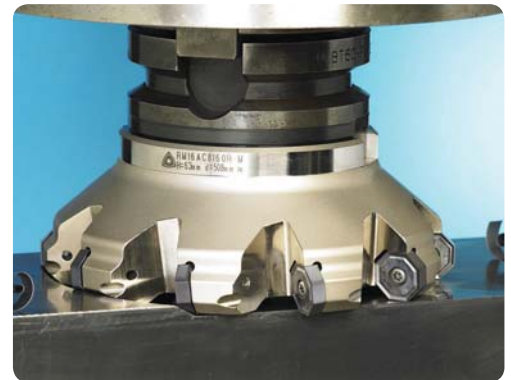
RM16



Rich Mill RM16

Features

- Economical 16 cutting edges
- Reduces cost in medium cutting.
- Wiper insert can be used for good surface roughness.
- Optimal matching of the special cutting edge geometry with variety of new grades provides consistence & long tool
- When it is used 16 corners, maximum cutting depth is 5.5mm, but it is used 8 corners, maximum cutting depth is 13mm.
- Wiper insert is placed 0.05mm lower than facing insert in cutter.
- When feed is bigger than wiper cutting edge length(7mm), 2 wiper inserts are placed in symmetrical position.



Chip breaker

Insert		Cutting edge	Features
Aluminum Cutting Light MA			With sharp edge application, the better productivity has been accomplished, especially for Aluminum cutting.
Light cutting MF			Due to low cutting load, it is good for light cutting and difficult-to-cut material.
General cutting MM			It is suitable design for general milling.
Wiper W			It has better surface roughness than MM and MF chip breakers.

Through coolant system



- Well designed chip pocket for better chip flow
- Through coolant system reduces cutting heat and improves chip evacuation.

Instructions for wiper insert

Hand of tool	Correct setting	Incorrect setting			
Right hand					
Decision	O	X	X	X	X
Left hand					
Decision	O	X	X	X	X

Recommended Cutting Condition

ISO	Grade	ONM(H)X060608-MM		ONM(H)X060608-MF		ONHX060608-W		ONM(H)X080608-MM		ONM(H)X080608-MF		ONHX080608-W	
		vc(m/min)	fz(mm/t)	vc(m/min)	fz(mm/t)	vc(m/min)	fz(mm/t)	vc(m/min)	fz(mm/t)	vc(m/min)	fz(mm/t)	vc(m/min)	fz(mm/t)
P	NCM325	150~300	0.10~0.35	200~300	0.05~0.30	200~300	0.05~0.20	150~300	0.10~0.40	200~300	0.05~0.35	200~300	0.05~0.25
	PC3500	150~300	0.10~0.35	200~300	0.05~0.30	200~300	0.05~0.20	150~300	0.10~0.40	200~300	0.05~0.35	200~300	0.05~0.25
M	PC9530	120~180	0.10~0.35	100~180	0.05~0.30	100~180	0.05~0.20	120~180	0.10~0.40	100~180	0.05~0.35	100~180	0.05~0.25
K	PC6510	150~300	0.10~0.40	150~300	0.08~0.35	150~300	0.05~0.25	150~300	0.10~0.45	150~300	0.08~0.40	150~300	0.05~0.30

(mm)

RM16



RM16AC(M)6000

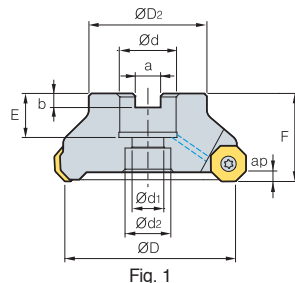


Fig. 1

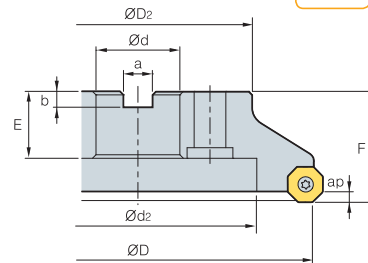


Fig. 2

(mm)

Designation		ØD	ØD2	Ød	Ød1	Ød2	a	b	E	F	ap		Fig.
RM16ACM 6063HR-M	5	63	49	22	11	18	10.4	6.3	20	40	4.0	0.7	1
RM16AC 6080HR-M	6	80	57	25.4(27)	14	20	9.5(12.4)	6(7)	25(23)	50	4.0	1.2	1
(RM16ACM) 6100HR-M	7	100	67	31.75(32)	18	26	12.7(14.4)	8	33(25)	63(50)	4.0	1.9	1
6125HR-M	8	125	87	38.1(40)	22	32	15.9(16.4)	10(9)	35(29)	63	4.0	3.5	1
6160R-M	10	160	107	50.8(40)	-	107	19(16.4)	11(9)	38(32)	63	4.0	4.1	2
6200R-M	12	200	130	47.625(60)	-	135	25.4(25.7)	14	38(32)	63	4.0	6.1	2
6250R-M	15	250	180	47.625(60)	-	180	25.4(25.7)	14	38	63	4.0	11.5	2
6315R-M	20	315	240	47.625(60)	-	238	25.4(25.7)	14	38	63	4.0	18.9	2
6400R-M	26	400	260	47.625(60)	-	238	25.4(25.7)	14	38	80	4.0	32.7	2

• () Metric size

Available inserts

	ONHX-MF	ONHX-MM	ONHX-W	ONHX-MA	ONMX-MF	ONMX-MM											
																	
Designation	Coated									Cermet			Uncoated				
	NCM325	NCM335	NC5330	PC3500	PC5300	PC5400	PC3545	PC9530	PC6510	PD2000	CN2000	CN20	CN30	H01	G10	ST30A	ST20
ONMX 060608-MM				●					●								
ONHX 060608-MM				●					●								
ONMX 060608-MF				●					●								
ONHX 060608-MF				●					●								
ONHX 060608-W				●	●			●	●								
ONMX 0606ANN-MM				●	●	●		●	●								
ONHX 0606ANN-MM																	
ONMX 0606ANN-MF					●	●		●	●								
ONHX 0606ANN-MF									●								
ONHX 060608-MA														●			

Available arbors

Designation		Available arbors	
		RM16AC	RM16ACM
RM16AC(M)	6063HR-M	-	BT□□-FMC22-□□
	6080HR-M	BT□□-FMA25.4-□□	BT□□-FMC27-□□
	6100HR-M	BT□□-FMA31.75-□□	BT□□-FMC32-□□
	6125HR-M	BT□□-FMA38.1-□□	BT□□-FMB40-□□
	6160R-M	BT□□-FMA50.8-□□	BT□□-FMC40-□□
	6200R-M		
	6250R-M		
	6315R-M	BT□□-FMA47.625-□□	BT□□-FMB60-□□
	6400R-M		

Parts

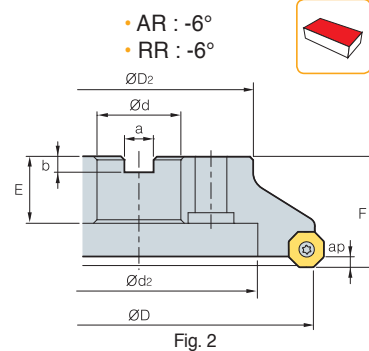
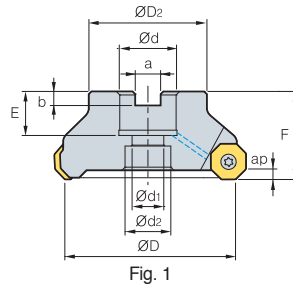


FTGA0513



TW20-100

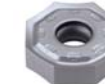
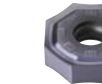
RM16AC(M)8000



Designation			ØD	ØD2	Ød	Ød1	Ød2	a	b	E	F	ap		Fig.
RM16ACM	8063HR-M	5	63	49	22	11	18	10.4	6.3	20	40	5.5	0.7	1
RM16AC	8080HR-M	6	80	57	25.4(27)	14	20	9.5(12.4)	6(7)	25(23)	50	5.5	1.2	1
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	8160R-M	10	160	107	50.8(40)	-	107	19(16.4)	11(9)	38(32)	63	5.5	4.5	2
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	8250R-M	14	250	180	47.625(60)	-	180	25.4(25.7)	14	38	63	5.5	11.4	2
	8315R-M	18	215	240	47.625(60)	-	238	25.4(25.7)	14	38	63	5.5	18.8	2
	8400R-M	24	400	260	47.625(60)	-	238	25.4(25.7)	14	38	80	5.5	32.7	2

(mm)

Available inserts

	ONHX-MF	ONHX-MM	ONHX-W	ONHX-MA	ONMX-MF	ONMX-MM											
																	
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ONMX 080608-MM				●	●			●	●								
ONHX 080608-MM				●					●								
ONMX 080608-MF									●								
ONHX 080608-MF																	
ONHX 080608-W				●													
ONMX 0806ANN-MM				●	●			●	●								
ONHX 0806ANN-MM						●											
ONMX 0806ANN-MF				●	●				●								
ONHX 0806ANN-MF					●	●			●								
ONHX 080608-MA														●			

Available arbors

Designation	Available arbors	
	RM16AC	RM16ACM
RM16AC(M) 8063HR-M	-	BT□□-FMC22-□□
8080HR-M	BT□□-FMA25.4-□□	BT□□-FMC27-□□
8100HR-M	BT□□-FMA31.75-□□	BT□□-FMC32-□□
8125HR-M	BT□□-FMA38.1-□□	BT□□-FMB40-□□
8160R-M	BT□□-FMA50.8-□□	BT□□-FMC40-□□
8200R-M		
8250R-M		
8315R-M	BT□□-FMA47.625-□□	BT□□-FMB60-□□
8400R-M		

Parts



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TW20-100