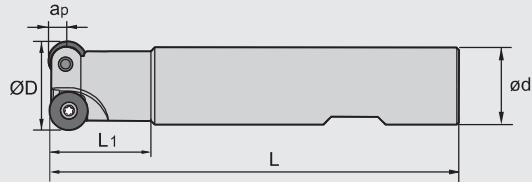


Face milling tools



FMR05






Specification of tools

Type		Dimensions(inch)					
		ØD	ød	L1	L	apmax	Z (Number of teeth)
FMR05	-0.625"-XP0.75"-RP2-02	0.625	0.75	1.75	4	0.125	2
	-0.750"-XP0.75"-RP2-02	0.750	0.75	1.75	4	0.125	2
	-0.875"-XP0.75"-RP2-03	0.875	0.75	1.75	4	0.125	3
	-0.875"-XP0.75"-RP3-02	0.875	0.75	1.75	4	0.180	2
	-1.000"-XP0.75"-RP3-02	1.000	0.75	1.75	4	0.180	2
	-1.250"-XP1.00"-RP3-03	1.250	1.00	2.75	5	0.180	3
	-1.250"-XP1.00"-RP4-02	1.250	1.00	2.75	5	0.250	2
	-1.500"-XP1.25"-RP4-03	1.500	1.25	2.75	5	0.250	3
	-1.750"-XP1.50"-RP4-04	1.750	1.50	2.75	5	0.250	4

D

Spare parts

Diameter ØD	Insert specification	Insert screw	Wrench	Sketch of installation
				
Ø0.625"~Ø0.875"	RPMW06T200	I60M2.2×5.5	WT07IP	
	RPMW2T200			
Ø0.875"~Ø1.250"	RPMW09T300	I60M3×7	WT09IP	
	RPMW3(2.5)			
Ø1.250"~Ø1.750"	RPMW12T400	I60M4×8.4	WT15IP	
	RPMW43			

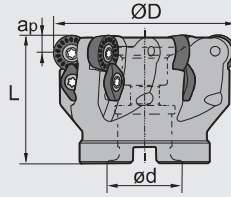
Face milling tools



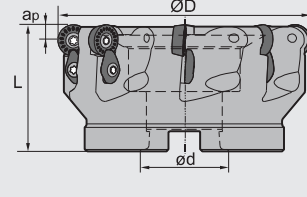
FMR05



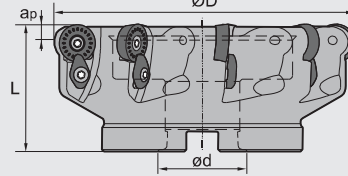
A type of mounting



B type of mounting








C type of mounting



Specification of tools

Type		Dimensions(inch)					
		ØD	ød	L	apmax	Z (Number of teeth)	Interface form
FMR05	-2.00"-A0.75"-RP4-05	2.00	0.75	1.75	0.250	5	A
	-2.50"-A0.75"-RP4-06	2.50	0.75	1.75	0.250	6	A
	-3.00"-A1.00"-RP4-07	3.00	1.00	2.00	0.250	7	A
	-3.00"-A1.00"-RP5-05	3.00	1.00	2.00	0.315	5	A
	-4.00"-B1.50"-RP5-07	4.00	1.50	2.50	0.315	7	B
	-5.00"-B1.50"-RP5-08	5.00	1.50	2.50	0.315	8	B
	-5.00"-B1.50"-RP6-07	5.00	1.50	2.50	0.375	7	B
	-6.00"-B2.00"-RP6-08	6.00	2.00	2.50	0.375	8	B
	-8.00"-C2.50"-RP6-09	8.00	2.50	2.50	0.375	9	C

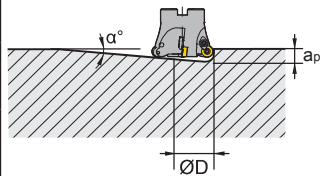
Spare parts

Diameter ØD	Insert specification	Insert screw 	Wedge 	Wedge Screw 	Wrench 	Sketch of installation 
Ø2.00"~Ø3.00"	RPMW120400	I60M4×8.4	WD-204	I60M4×10	WT151P	
	RPMW43					
Ø3.00"~Ø5.00"	RPMW160500	I60M5×13	WD-208	I60M5×13	WT201P	
	RPMW50500					
Ø5.00"~Ø8.00"	RPMW190600	I60M5×13	WD-208	I60M5×13	WT201P	
	RPMW64					

Ramp milling, helical interpolation milling

Insert	Diameter ØD(in)	Max. cutting depth ap(in)	Max. cutting depth α°	Min. length L _m (in)	Min. diameter ØD ₁ (in)	Max. diameter (in)
RPMW2**	0.625"	0.118	13.0	0.512	1.012	0.118
	0.750"	0.118	9.0	0.748	1.26	0.118
	0.875"	0.118	6.5	1.035	1.516	0.118
RPMW3**	0.875"	0.185	15.0	0.689	1.380	0.185
	1.000"	0.185	13.0	0.803	1.630	0.185
	1.250"	0.185	9.5	1.106	2.130	0.185
RPMW4**	1.250"	0.248	13.0	1.142	2.004	0.248
	1.500"	0.248	9.0	1.567	2.504	0.248
	1.750"	0.248	6.5	2.177	3.004	0.248
	2.000"	0.248	7.0	2.020	3.504	0.248
	2.500"	0.248	5.3	2.670	4.504	0.248
	3.000"	0.248	4.0	3.547	5.504	0.248
RPMW5**	3.000"	0.299	5.0	3.421	5.402	0.299
	4.000"	0.299	3.7	4.626	7.402	0.299
	5.000"	0.299	2.7	6.346	9.402	0.299
RPMW6**	5.000"	0.374	3.5	6.114	9.252	0.374
	6.000"	0.374	2.7	7.929	11.252	0.374
	8.000"	0.374	2.0	10.709	15.252	0.374

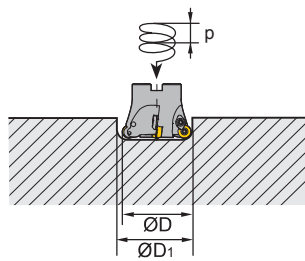
● Ramp milling



$$L_m = \frac{a_p}{\tan \alpha}$$

α: Plunge angle

● Helical interpolation milling



$$P = \tan \alpha \times \pi \times D_1$$

α: Helix angle

Reduce the feed rate when plunging and circular milling.
 "Attention"—drilling can form long chips.