



Shouldering

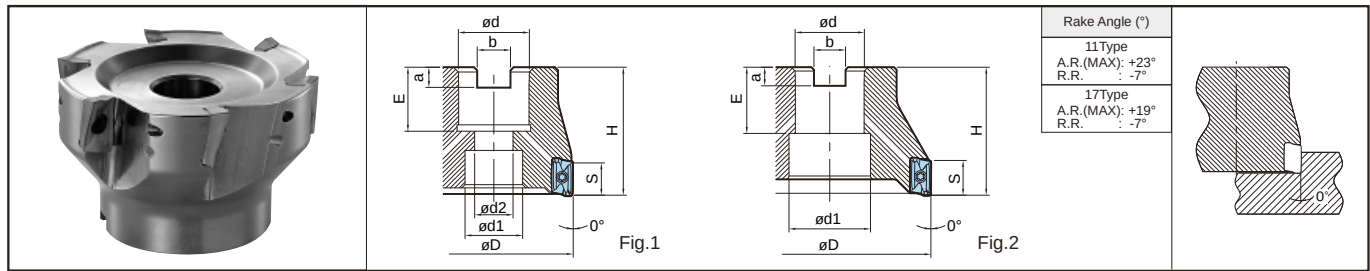


Slotting



Facing

MEC Face Mill



● Dimensions

Description				Std.	No. of Insert	Dimension (mm)										Coolant Hole	Drawing	Weight (kg)	Spare Parts		Max. Revolution (min ⁻¹)						
																			Clamp screw	Wrench							
						øD	ød	ød1	ød2	H	E	a	b	S													
METRIC	Standard	MEC	040R-11-5T-M	●	5	40	16	14	8.5	40	20	5.5	8.5	10	Yes	Fig.1	0.2	SB-2555TRG	DTM-8	30,000							
			050R-11-5T-M	●	5	50	22	18	12		22	6.3	10.4				0.3			22,500							
			063R-11-6T-M	●	6	63	22	18	12		22	6.3	10.4				0.7			20,500							
			080R-11-7T-M	●	7	80	27	20	14	50	26	7	12.4				1.0			18,500							
			100R-11-9T-MN	●	9	100	32	26	17.6	55		8	14.4				1.6			17,000							
			125R-11-11T-M	●	11	125	40	45	32	63		33	9.5				16.4			3.1	15,000						
			160R-11-14T-M	●	14	160		68	-		63	33	9.5				16.4			4.5	13,900						
	Standard	MEC	040R-17-4T-M	●	4	40	16	14	8.5	40	20	5.5	8.5	15.7	Yes	Fig.1	0.3	SB-4070TRN	DTM-15	25,000							
			050R-17-4T-M	●	4	50	22	18	12		22	6.3	10.4				0.4			17,000							
			063R-17-5T-M	●	5	63	22	18	12		22	6.3	10.4				0.6			14,500							
			080R-17-6T-M	●	6	80	27	20	14	50	26	7	12.4				1.0			12,000							
			100R-17-7T-MN	●	7	100	32	26	17.6	55		8	14.4				1.8			10,500							
			125R-17-9T-M	●	9	125	40	45	32	63		33	9.5				16.4			3.1	8,900						
			160R-17-12T-M	●	12	160		68	-		63	33	9.5				16.4			4.5	7,400						
Bore Dia. Inch spec	Coarse pitch	MEC	063R-11-6T	○	6	63	25.4	20	14	50	26	6	9.5	10	Yes	Fig.1	SB-2555TRG	DTM-8	20,500								
			080R-11-7T	○	7	80													31.75	26	17.6	32	8	12.7	1.0	18,500	
			100R-11-9TN	○	9	100													31.75	26	17.6	32	8	12.7	1.8	17,000	
			125R-11-11T	○	11	125													38.1	45	32	63	38	10	15.9	3.4	15,000
			160R-11-14T	○	14	160													50.8	70	-	47	10	19.1	4.4	13,900	
	Close pitch	MEC	063R-11-8T	○	8	63	25.4	20	14	50	26	6	9.5	10	Yes	Fig.1	SB-2555TRG	DTM-8	20,500								
			080R-11-10T	○	10	80													1.0	18,500							
	Coarse pitch	MEC	063R-17-5T	○	5	63	25.4	20	14	50	26	6	9.5	15.7	Yes	Fig.1	SB-4070TRN	DTM-15	14,500								
			080R-17-6T	○	6	80													31.75	26	17.6	32	8	12.7	1.0	12,000	
			100R-17-7TN	○	7	100													31.75	26	17.6	32	8	12.7	1.8	10,500	
			125R-17-9T	○	9	125													38.1	45	32	63	38	10	15.9	3.4	8,900
			160R-17-12T	○	12	160													50.8	70	-	47	10	19.1	4.5	7,400	
	Close pitch	MEC	063R-17-6T	○	6	63	25.4	20	14	50	26	6	9.5	15.7	Yes	Fig.1	SB-4070TRN	DTM-15	14,500								
			080R-17-8T	○	8	80													1.0	12,000							
			100R-17-9TN	○	9	100													31.75	26	17.6	63	32	8	12.7	1.8	10,500

■ Max. Revolution

When running the endmill and cutter at the maximum revolution, the insert or holder may be damaged by centrifugal force. For more details, see "Warning" on page M47.

● When using Center-through Air / Coolant / Mist

If Center Through air (Coolant, Mist) is used, please use appropriate arbor and clamp with arbor bolt. (Table1)

● MEC's surface finish when shouldering with multiple passes

In order to obtain smoothly finished shoulder wall by multiple passes of MEC Milling Cutter, please keep ap less than 5.5mm for 11T3 type and also keep ap less than 9mm for 1704 type.

Table1

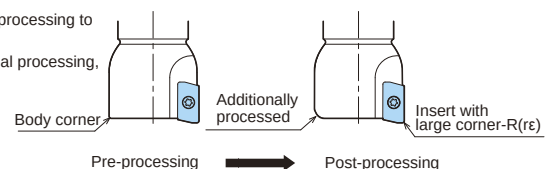
Toolholder	Arbor clamp bolt (Attachment)	Wrench
MEC040R.....M	HH8×25H	LW-5 (Double width 5mm)
MEC050R.....M MEC063R.....M	HH10×30H	LW-6 (Double width 6mm)
MEC063R..... MEC080R.....	HH12×35H	LW-8 (Double width 8mm)
MEC100R.....(M) N	HH16×52H	LW-12 (Double width 12mm)
MEC125R.....(M) MEC160R.....M	HF20×53H	LW-14 (Double width 14mm)
MEC160R.....	HF24×60H	LW-17 (Double width 17mm)

Wrench is not included. Please purchase separately.

■ When using inserts with corner radii R1.6 or larger, additional modifications of the cutter body will be necessary. See the chart below for the recommended modifications.

Insert Corner-R(re)	Material to be removed from cutter body corner
1.6	R1.0
2.0	
2.4	R1.2
3.1	R1.6
4.0	R2.5

* R shape is recommended for additional processing to the body corner.
When applying chamfer shaped additional processing, do not cut away too much.



● : Std. Item ○ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)