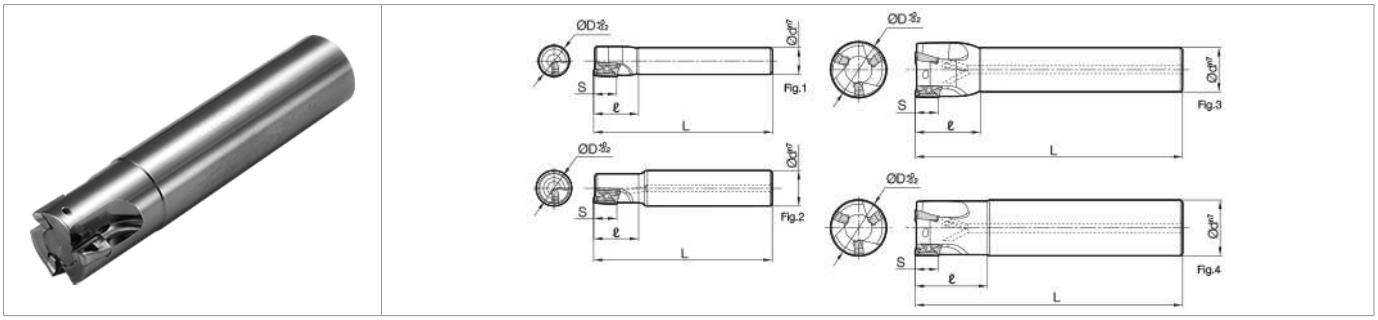
MEC End Mill



Toolholder Dimensions

Part Number			Stock	Unit	No. of Inserts	Dimensions ØD	Dimensions Ød	Dimensions L	Dimensions ℓ	Dimensions S	Rake Angle (°) A.R. (MAX)	Rake Angle (°) R.R.	Coolant Hole	Drawing	Spare Parts: Insert Screw	Spare Parts: Wrench	Pre-set Torque Wrench* NEW	Max. Revolution (min−1)
Cylindrical	Standard Shank	MEC 0500-S500-11	●	inch	1	0.500	0.500	2.650	0.787	0.400	12°	-21°	No	Fig.1	SB-2545TR	DTM-8	PST-T8	50,800
		MEC 0625-S500-11T	●		2	0.625	0.500	2.750	0.906	0.400	18°	-14°	Yes	Fig.3	SB-2555TRG	DTM-8	PST-T8	43,750
		0625-S625-11T	●		2	0.625	0.625	3.000	1.024	0.400	18°	-14°	Yes	Fig.4	SB-2555TRG	DTM-8	PST-T8	43,750
		0750-S625-11T	●		3	0.750	0.625	3.050	1.024	0.400	20°	-10°	Yes	Fig.3	SB-2555TRG	DTM-8	PST-T8	41,000
		0750-S750-11T	●		3	0.750	0.750	3.250	1.142	0.400	20°	-10°	Yes	Fig.4	SB-2555TRG	DTM-8	PST-T8	41,000
		MEC 10-S10-11	○	mm	1	10	10	80	17	10	+10°	-24°	No	Fig.1	SB-2545TR	DTM-8	PST-T8	54,800
		10-S16-11	○		1	10	16	80	17	10	+10°	-24°	Yes	Fig.2	SB-2545TR	DTM-8	PST-T8	54,800
		12-S10-11	○		1	12	10	80	20	10	+12°	-21°	No	Fig.1	SB-2545TR	DTM-8	PST-T8	50,800
		12-S12-11	○		1	12	12	80	20	10	+12°	-21°	No	Fig.1	SB-2545TR	DTM-8	PST-T8	50,800
		12-S16-11	○		1	12	16	80	20	10	+12°	-21°	Yes	Fig.2	SB-2545TR	DTM-8	PST-T8	50,800
		13-S12-11	○		1	13	12	80	20	10	+12°	-19°	No	Fig.1	SB-2545TR	DTM-8	PST-T8	49,200
		14-S12-11	○		1	14	12	80	20	10	+12°	-19°	No	Fig.1	SB-2545TR	DTM-8	PST-T8	47,700
		14-S16-11	○		1	14	16	80	20	10	+12°	-19°	Yes	Fig.2	SB-2545TR	DTM-8	PST-T8	47,700
		MEC 16-S12-11T	○		2	16	12	100	23	10	+18°	-14°	No	Fig.1	SB-2555TRG	DTM-8	PST-T8	43,750
		17-S16-11T	○		2	17	16	100	23	10	+18°	-13°	Yes	Fig.3	SB-2555TRG	DTM-8	PST-T8	43,500
		18-S16-11T	○		2	18	16	100	23	10	+19°	-13°	Yes	Fig.3	SB-2555TRG	DTM-8	PST-T8	43,000
		19-S16-11T	○		3	19	16	100	26	10	+20°	-10°	Yes	Fig.3	SB-2555TRG	DTM-8	PST-T8	42,000
		20-S16-11T	○		3	20	16	110	26	10	+20°	-10°	Yes	Fig.3	SB-2555TRG	DTM-8	PST-T8	41,000
	Same Shank Size	MEC 16-S16-11T	○		2	16	16	100	30	10	+18°	-14°	Yes	Fig.4	SB-2555TRG	DTM-8	PST-T8	43,750
		20-S20-11T	○		3	20	20	110	30	10	+20°	-10°	Yes	Fig.4	SB-2555TRG	DTM-8	PST-T8	41,000

***Pre-set Torque Wrench sold separately**

■ **Max. Revolution**

When running the end mill and inserts at the maximum revolution, the insert or toolholder may be damaged by centrifugal force. For more details, see "Warning" on page M8.

Applicable Inserts

Toolholders	Applicable Inserts M2			
				
MEC...-11	BDMT1103○○ER-JT	BDMT1103○○ER-JS	-	-
MEC...-11T	BDMT11T3○○ER-JT	BDMT11T3○○ER-JS	BDGT11T3○○FR-JA	BDMT11T3○○FR

Chipbreaker

Recommended Cutting Conditions M4

JT Chipbreaker (General Purpose)

JS Chipbreaker (Low Cutting Force)

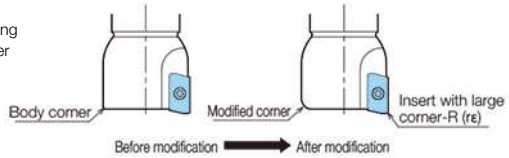
Machining cutting reduced by 20%

JA Chipbreaker (For Aluminum)

■ **When using inserts with corner radius R0.0630" or larger, additional modifications of the cutter body will be necessary. See the chart below for the recommended modifications. (Additional grind off is not necessary when corner-R is 0.0472" or less.)**

Insert Corner-R(rε)	Additional modifications of the cutter body corner
0.0630	R0.0394
0.0787	R0.0394
0.0945	R0.0472

* Rounded shape is recommended when modifying the cutter corner. When chamfering cutter corner to modify, please make sure not to cut away too much.



● : U.S. Stock Standard
○ : World Express (Shipping: 7-10 Business Days)