MECX End Mill

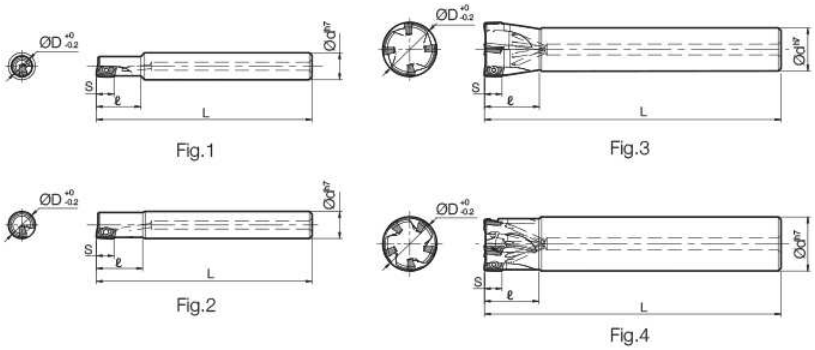


Fig.1 Fig.3 Fig.2 Fig.4

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})
Standard Shank	Standard	MECX 0750-S625-07-4T	●	inch	4	0.750	0.625	4.00	0.787	0.236	16.3°	-10.9°	Yes	Fig. 3	SB-2042TRG	DTM-6	PST-T6	40,900
		0750-S625-07-5T	●		5	0.750	0.625	4.00	0.787	0.236	16.3°	-10.9°	Yes	Fig. 3	SB-2042TRG	DTM-6	PST-T6	40,900
		MECX 08-S10-07-1T	○	mm	1	8	10	80	16	6	11.7°	-24.0°	Yes	Fig.1	SB-2035TRG	DTM-6	PST-T6	48,100
		14-S12-07-2T	○		2	14	12	80	18	6	16.3°	-12.1°	Yes	Fig.3	SB-2035TRG	DTM-6	PST-T6	44,800
		17-S16-07-3T	○		3	17	16	100	20	6	16.3°	-11.0°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	42,400
		18-S16-07-3T	○		3	18	16	100	20	6	16.3°	-10.9°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	41,600
		20-S16-07-4T	○		4	20	16	110	20	6	16.3°	-10.4°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	40,200
		21-S20-07-4T	○		4	21	20	110	20	6	16.3°	-10.1°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	39,500
		25-S20-07-5T	○		5	25	20	120	25	6	16.3°	-9.7°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	37,000
	Fine pitch	MECX 20-S16-07-5T	○		5	20	16	110	20	6	16.3°	-10.4°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	40,200
		25-S20-07-7T	○		7	25	20	120	25	6	16.3°	-9.7°	Yes	Fig.3	SB-2042TRG	DTM-6	PST-T6	37,000
Same Shank	Standard	MECX 0375-S375-07-1T	●	inch	1	0.375	0.375	3.00	0.669	0.236	12.8°	-19.7	Yes	Fig.1	SB-2035TRG	DTM-6	PST-T6	47,150
		0500-S500-07-2T	●		2	0.500	0.500	3.27	0.709	0.236	14.3°	-12.9	Yes	Fig.1	SB-2035TRG	DTM-6	PST-T6	45,800
		0625-S625-07-3T	●		3	0.625	0.625	3.50	0.787	0.236	16.3°	-11.3°	Yes	Fig. 2	SB-2042TRG	DTM-6	PST-T6	43,300
		0750-S750-07-4T	●		4	0.750	0.750	4.00	0.787	0.236	16.3°	-10.9°	Yes	Fig. 2	SB-2042TRG	DTM-6	PST-T6	40,900
		0750-S750-07-5T	●		5	0.750	0.750	4.00	0.787	0.236	16.3°	-10.9°	Yes	Fig. 2	SB-2042TRG	DTM-6	PST-T6	40,900
		MECX 10-S10-07-1T	○	mm	1	10	10	80	17	6	12.8°	-18.7°	Yes	Fig.2	SB-2035TRG	DTM-6	PST-T6	47,100
		12-S12-07-2T	○		2	12	12	80	18	6	14.3°	-13.7°	Yes	Fig.4	SB-2035TRG	DTM-6	PST-T6	46,200
		16-S16-07-3T	○		3	16	16	100	20	6	16.3°	-11.3°	Yes	Fig.4	SB-2042TRG	DTM-6	PST-T6	43,200
		20-S20-07-4T	○		4	20	20	110	20	6	16.3°	-10.4°	Yes	Fig.4	SB-2042TRG	DTM-6	PST-T6	40,200
	Fine pitch	MECX 16-S16-07-4T	○		4	16	16	100	20	6	16.3°	-11.3°	Yes	Fig.4	SB-2042TRG	DTM-6	PST-T6	43,200
		20-S20-07-5T	○		5	20	20	110	20	6	16.3°	-10.4°	Yes	Fig.4	SB-2042TRG	DTM-6	PST-T6	40,200

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

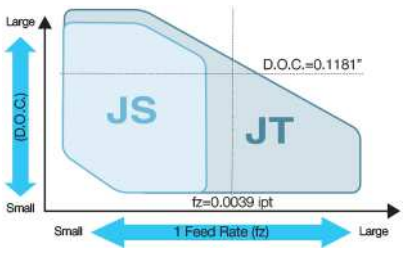
■ **Max. Revolution**
When running the end mill and inserts at the maximum revolution, the insert or toolholder may be damaged by centrifugal force. For more details, see "Warning" in the next page.

■ **For good shoulder finishes when taking multiple depths of cut with MECX.**
In order to obtain smooth wall surface set each DOC to less than 0.197"

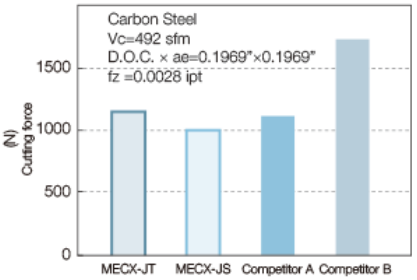
Applicable Inserts

Part Number	Applicable Inserts ➡ M2	
		
MECX····-07..	BDMT 0703○○ER-JT	BDMT 0703○○ER-JS

Selecting Chipbreaker



Cutting Force Comparison



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