



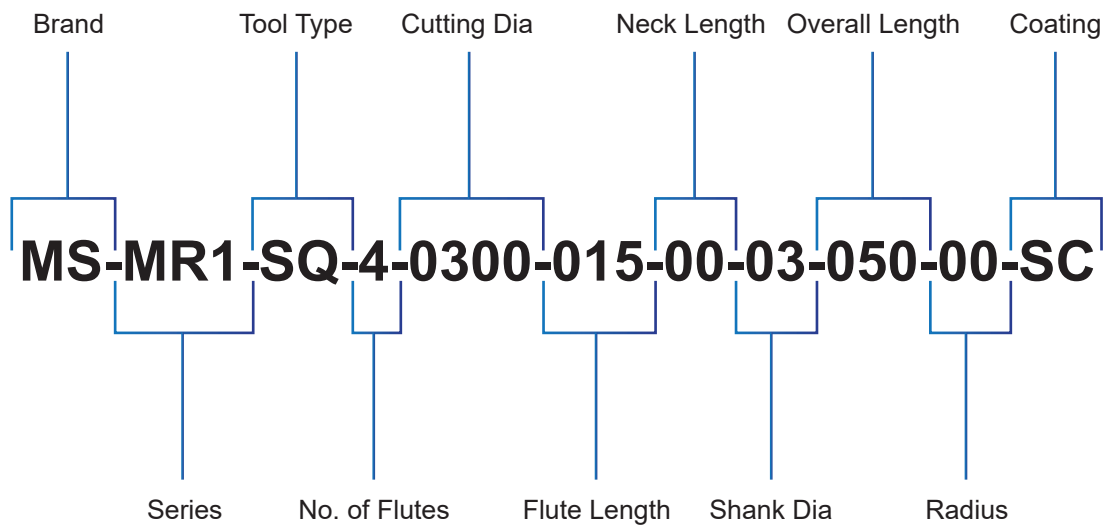
HIGH PERFORMANCE ENDMILL

MR1-SC

SQUARE | CORNER RADIUS

www.mstm.co.in

CODE DESCRIPTION



Tool Type:

SQ - Square End mill

CR - Corner Radius End mill

No. of Flutes:

4 - 4 Flute

5 - 5 Flute

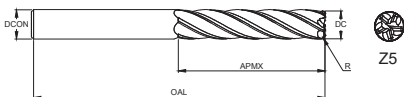
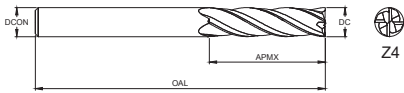
MR1-SC

- ▶ Premium performance tooling solution for stainless steel alloys and titanium alloys in the aerospace & mining industry.
- ▶ Premium carbide grade allows for excellent edge sharpness resulting in smooth & reliable cutting.
- ▶ Special unequal geometry & multiple helix results in vibration-free machining and no chatter marks on the workpiece surface.
- ▶ Newest-generation of TiAlSiN-based coating with HiPIMS technology, SteelCon coating provides extreme wear resistance at extreme cutting temperatures, and exotic material machining. High hot hardness and diffusion wear resistance increases process stability and helps to combat the work-hardening nature of SS & Ti alloys.
- ▶ Recommended for machining of austenitic, martensitic, duplex alloys of stainless steel & α , β alloys of titanium found in the aerospace industry.

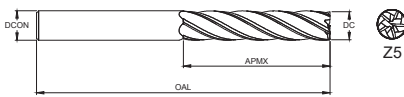
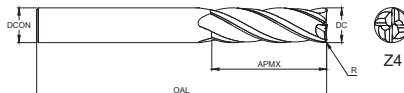


P	M	K	N	S	H
●	●	●	○	○	○
● Recommended ○ Good					

SQUARE END MILL



CORNER RADIUS END MILL



Note: R = RD (CR Radius)



units in mm

SQUARE END MILL - Z4

CODE	DC	DCON	APMX	OAL
MS-MR1-SQ-4-0300-050-00-06-050-00-SC	3	6	5	50
MS-MR1-SQ-4-0300-080-00-06-057-00-SC	3	6	8	57
MS-MR1-SQ-4-0400-080-00-06-054-00-SC	4	6	8	54
MS-MR1-SQ-4-0400-110-00-06-057-00-SC	4	6	11	57
MS-MR1-SQ-4-0500-090-00-06-054-00-SC	5	6	9	54
MS-MR1-SQ-4-0500-130-00-06-057-00-SC	5	6	13	57
MS-MR1-SQ-4-0600-100-00-06-054-00-SC	6	6	10	54
MS-MR1-SQ-4-0600-130-00-06-057-00-SC	6	6	13	57
MS-MR1-SQ-4-0800-120-00-08-058-00-SC	8	8	12	58
MS-MR1-SQ-4-0800-190-00-08-063-00-SC	8	8	19	63
MS-MR1-SQ-4-1000-140-00-10-066-00-SC	10	10	14	66
MS-MR1-SQ-4-1000-220-00-10-072-00-SC	10	10	22	72
MS-MR1-SQ-4-1200-160-00-12-073-00-SC	12	12	16	73
MS-MR1-SQ-4-1200-260-00-12-083-00-SC	12	12	26	83
MS-MR1-SQ-4-1400-180-00-14-075-00-SC	14	14	18	75
MS-MR1-SQ-4-1400-260-00-14-083-00-SC	14	14	26	83
MS-MR1-SQ-4-1600-220-00-16-082-00-SC	16	16	22	82
MS-MR1-SQ-4-1600-320-00-16-092-00-SC	16	16	32	92
MS-MR1-SQ-4-1800-240-00-18-084-00-SC	18	18	24	84
MS-MR1-SQ-4-1800-320-00-18-092-00-SC	18	18	32	92
MS-MR1-SQ-4-2000-260-00-20-092-00-SC	20	20	26	92
MS-MR1-SQ-4-2000-380-00-20-104-00-SC	20	20	38	104



units in mm

SQUARE END MILL - Z5

CODE	DC	DCON	APMX	OAL
MS-MR1-SQ-5-0300-050-00-06-050-00-SC	3	6	5	50
MS-MR1-SQ-5-0300-080-00-06-057-00-SC	3	6	8	57
MS-MR1-SQ-5-0400-080-00-06-054-00-SC	4	6	8	54
MS-MR1-SQ-5-0400-110-00-06-057-00-SC	4	6	11	57
MS-MR1-SQ-5-0500-090-00-06-054-00-SC	5	6	9	54
MS-MR1-SQ-5-0500-130-00-06-057-00-SC	5	6	13	57
MS-MR1-SQ-5-0600-100-00-06-054-00-SC	6	6	10	54
MS-MR1-SQ-5-0600-130-00-06-057-00-SC	6	6	13	57
MS-MR1-SQ-5-0800-120-00-08-058-00-SC	8	8	12	58
MS-MR1-SQ-5-0800-190-00-08-063-00-SC	8	8	19	63
MS-MR1-SQ-5-1000-140-00-10-066-00-SC	10	10	14	66
MS-MR1-SQ-5-1000-220-00-10-072-00-SC	10	10	22	72
MS-MR1-SQ-5-1200-160-00-12-073-00-SC	12	12	16	73
MS-MR1-SQ-5-1200-260-00-12-083-00-SC	12	12	26	83
MS-MR1-SQ-5-1400-180-00-14-075-00-SC	14	14	18	75
MS-MR1-SQ-5-1400-260-00-14-083-00-SC	14	14	26	83
MS-MR1-SQ-5-1600-220-00-16-082-00-SC	16	16	22	82
MS-MR1-SQ-5-1600-320-00-16-092-00-SC	16	16	32	92
MS-MR1-SQ-5-1800-240-00-18-084-00-SC	18	18	24	84
MS-MR1-SQ-5-1800-320-00-18-092-00-SC	18	18	32	92
MS-MR1-SQ-5-2000-260-00-20-092-00-SC	20	20	26	92
MS-MR1-SQ-5-2000-380-00-20-104-00-SC	20	20	38	104

CORNER RADIUS END MILL - Z4



units in mm

CODE	DC	DCON	APMX	OAL	RD (CR RADIUS)
MS-MR1-CR-4-0300-050-00-06-050-RD-SC	3	6	5	50	0.3, 0.5
MS-MR1-CR-4-0300-080-00-06-057-RD-SC	3	6	8	57	0.3, 0.5
MS-MR1-CR-4-0400-080-00-06-054-RD-SC	4	6	8	54	0.3, 0.5
MS-MR1-CR-4-0400-110-00-06-057-RD-SC	4	6	11	57	0.3, 0.5
MS-MR1-CR-4-0500-090-00-06-054-RD-SC	5	6	9	54	0.5, 1.0
MS-MR1-CR-4-0500-130-00-06-057-RD-SC	5	6	13	57	0.5, 1.0
MS-MR1-CR-4-0600-100-00-06-054-RD-SC	6	6	10	54	0.5, 1.0
MS-MR1-CR-4-0600-130-00-06-057-RD-SC	6	6	13	57	0.5, 1.0
MS-MR1-CR-4-0800-120-00-08-058-RD-SC	8	8	12	58	0.5, 1.0
MS-MR1-CR-4-0800-190-00-08-063-RD-SC	8	8	19	63	0.5, 1.0
MS-MR1-CR-4-1000-140-00-10-066-RD-SC	10	10	14	66	0.5, 1.0
MS-MR1-CR-4-1000-220-00-10-072-RD-SC	10	10	22	72	0.5, 1.0
MS-MR1-CR-4-1200-160-00-12-073-RD-SC	12	12	16	73	0.5, 1.0, 2.0
MS-MR1-CR-4-1200-260-00-12-083-RD-SC	12	12	26	83	0.5, 1.0, 2.0
MS-MR1-CR-4-1400-180-00-14-075-RD-SC	14	14	18	75	1.0, 2.0
MS-MR1-CR-4-1400-260-00-14-083-RD-SC	14	14	26	83	1.0, 2.0
MS-MR1-CR-4-1600-220-00-16-082-RD-SC	16	16	22	82	1.0, 2.0
MS-MR1-CR-4-1600-320-00-16-092-RD-SC	16	16	32	92	1.0, 2.0
MS-MR1-CR-4-1800-240-00-18-084-RD-SC	18	18	24	84	1.0, 2.0
MS-MR1-CR-4-1800-320-00-18-092-RD-SC	18	18	32	92	1.0, 2.0
MS-MR1-CR-4-2000-260-00-20-092-RD-SC	20	20	26	92	1.0, 2.0
MS-MR1-CR-4-2000-380-00-20-104-RD-SC	20	20	38	104	1.0, 2.0

CORNER RADIUS END MILL - Z5



units in mm

CODE	DC	DCON	APMX	OAL	RD (CR RADIUS)
MS-MR1-CR-5-0300-050-00-06-050-RD-SC	3	6	5	50	0.3, 0.5
MS-MR1-CR-5-0300-080-00-06-057-RD-SC	3	6	8	57	0.3, 0.5
MS-MR1-CR-5-0400-080-00-06-054-RD-SC	4	6	8	54	0.3, 0.5
MS-MR1-CR-5-0400-110-00-06-057-RD-SC	4	6	11	57	0.3, 0.5
MS-MR1-CR-5-0500-090-00-06-054-RD-SC	5	6	9	54	0.5, 1.0
MS-MR1-CR-5-0500-130-00-06-057-RD-SC	5	6	13	57	0.5, 1.0
MS-MR1-CR-5-0600-100-00-06-054-RD-SC	6	6	10	54	0.5, 1.0
MS-MR1-CR-5-0600-130-00-06-057-RD-SC	6	6	13	57	0.5, 1.0
MS-MR1-CR-5-0800-120-00-08-058-RD-SC	8	8	12	58	0.5, 1.0
MS-MR1-CR-5-0800-190-00-08-063-RD-SC	8	8	19	63	0.5, 1.0
MS-MR1-CR-5-1000-140-00-10-066-RD-SC	10	10	14	66	0.5, 1.0
MS-MR1-CR-5-1000-220-00-10-072-RD-SC	10	10	22	72	0.5, 1.0
MS-MR1-CR-5-1200-160-00-12-073-RD-SC	12	12	16	73	0.5, 1.0, 2.0
MS-MR1-CR-5-1200-260-00-12-083-RD-SC	12	12	26	83	0.5, 1.0, 2.0
MS-MR1-CR-5-1400-180-00-14-075-RD-SC	14	14	18	75	1.0, 2.0
MS-MR1-CR-5-1400-260-00-14-083-RD-SC	14	14	26	83	1.0, 2.0
MS-MR1-CR-5-1600-220-00-16-082-RD-SC	16	16	22	82	1.0, 2.0
MS-MR1-CR-5-1600-320-00-16-092-RD-SC	16	16	32	92	1.0, 2.0
MS-MR1-CR-5-1800-240-00-18-084-RD-SC	18	18	24	84	1.0, 2.0
MS-MR1-CR-5-1800-320-00-18-092-RD-SC	18	18	32	92	1.0, 2.0
MS-MR1-CR-5-2000-260-00-20-092-RD-SC	20	20	26	92	1.0, 2.0
MS-MR1-CR-5-2000-380-00-20-104-RD-SC	20	20	38	104	1.0, 2.0



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