

# AT1-FC

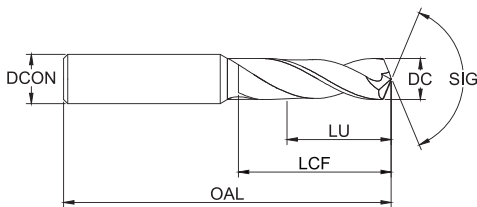
- ▶ MSTM's AT1 drills are designed for maximum value and good performance when drilling a wide variety of materials, ranging from soft, non-ferrous materials to semi-hardened steels.
- ▶ Twister GP drills are an excellent choice for all general-purpose hole-making applications.
- ▶ Next-generation HiPIMS technology FerroCon coating results in maximum tool surface hardness and smoothness resulting in increased tool life and maximum productivity.
- ▶ Recommended for drilling cast iron, unalloyed and alloyed steels, up to 45 HRC.



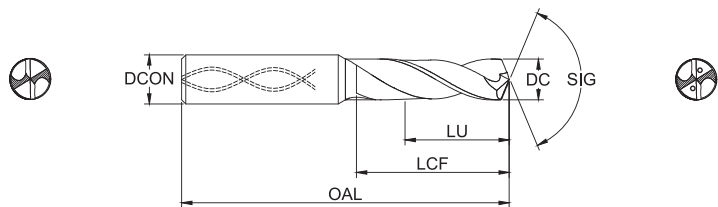
P	M	K	N	S	H
●		●	●		

● Recommended ○ Good

## External Coolant



## Internal Coolant



### L/D - 5 (Internal Coolant)



units in mm

CODE	DC	DCON	LU	LCF	OAL
MS-AT1-05-1-0300-FC	3.0	6	23	28	66
MS-AT1-05-1-0310-FC	3.1	6	23	28	66
MS-AT1-05-1-0320-FC	3.2	6	23	28	66
MS-AT1-05-1-0330-FC	3.3	6	23	28	66
MS-AT1-05-1-0340-FC	3.4	6	23	28	66
MS-AT1-05-1-0350-FC	3.5	6	23	28	66
MS-AT1-05-1-0360-FC	3.6	6	23	28	66
MS-AT1-05-1-0370-FC	3.7	6	23	28	66
MS-AT1-05-1-0380-FC	3.8	6	29	36	74
MS-AT1-05-1-0390-FC	3.9	6	29	36	74
MS-AT1-05-1-0400-FC	4.0	6	29	36	74
MS-AT1-05-1-0410-FC	4.1	6	29	36	74
MS-AT1-05-1-0420-FC	4.2	6	29	36	74
MS-AT1-05-1-0430-FC	4.3	6	29	36	74
MS-AT1-05-1-0440-FC	4.4	6	29	36	74
MS-AT1-05-1-0450-FC	4.5	6	29	36	74
MS-AT1-05-1-0460-FC	4.6	6	29	36	74
MS-AT1-05-1-0470-FC	4.7	6	29	36	74
MS-AT1-05-1-0480-FC	4.8	6	35	44	82
MS-AT1-05-1-0490-FC	4.9	6	35	44	82
MS-AT1-05-1-0500-FC	5.0	6	35	44	82
MS-AT1-05-1-0510-FC	5.1	6	35	44	82
MS-AT1-05-1-0520-FC	5.2	6	35	44	82
MS-AT1-05-1-0530-FC	5.3	6	35	44	82
MS-AT1-05-1-0540-FC	5.4	6	35	44	82
MS-AT1-05-1-0550-FC	5.5	6	35	44	82
MS-AT1-05-1-0560-FC	5.6	6	35	44	82
MS-AT1-05-1-0570-FC	5.7	6	35	44	82
MS-AT1-05-1-0580-FC	5.8	6	35	44	82
MS-AT1-05-1-0590-FC	5.9	6	35	44	82
MS-AT1-05-1-0600-FC	6.0	6	35	44	82

### L/D - 5 (Internal Coolant)



units in mm

CODE	DC	DCON	LU	LCF	OAL
MS-AT1-05-1-0610-FC	6.1	8	43	53	91
MS-AT1-05-1-0620-FC	6.2	8	43	53	91
MS-AT1-05-1-0630-FC	6.3	8	43	53	91
MS-AT1-05-1-0640-FC	6.4	8	43	53	91
MS-AT1-05-1-0650-FC	6.5	8	43	53	91
MS-AT1-05-1-0660-FC	6.6	8	43	53	91
MS-AT1-05-1-0670-FC	6.7	8	43	53	91
MS-AT1-05-1-0680-FC	6.8	8	43	53	91
MS-AT1-05-1-0690-FC	6.9	8	43	53	91
MS-AT1-05-1-0700-FC	7.0	8	43	53	91
MS-AT1-05-1-0710-FC	7.1	8	43	53	91
MS-AT1-05-1-0720-FC	7.2	8	43	53	91
MS-AT1-05-1-0730-FC	7.3	8	43	53	91
MS-AT1-05-1-0740-FC	7.4	8	43	53	91
MS-AT1-05-1-0750-FC	7.5	8	43	53	91
MS-AT1-05-1-0760-FC	7.6	8	43	53	91
MS-AT1-05-1-0770-FC	7.7	8	43	53	91
MS-AT1-05-1-0780-FC	7.8	8	43	53	91
MS-AT1-05-1-0790-FC	7.9	8	43	53	91
MS-AT1-05-1-0800-FC	8.0	8	43	53	91
MS-AT1-05-1-0810-FC	8.1	10	49	61	103
MS-AT1-05-1-0820-FC	8.2	10	49	61	103
MS-AT1-05-1-0830-FC	8.3	10	49	61	103
MS-AT1-05-1-0840-FC	8.4	10	49	61	103
MS-AT1-05-1-0850-FC	8.5	10	49	61	103
MS-AT1-05-1-0860-FC	8.6	10	49	61	103
MS-AT1-05-1-0870-FC	8.7	10	49	61	103
MS-AT1-05-1-0880-FC	8.8	10	49	61	103
MS-AT1-05-1-0890-FC	8.9	10	49	61	103
MS-AT1-05-1-0900-FC	9.0	10	49	61	103
MS-AT1-05-1-0910-FC	9.1	10	49	61	103

### L/D - 5 (Internal Coolant)



units in mm

CODE	DC	DCON	LU	LCF	OAL
MS-AT1-05-1-0920-FC	9.2	10	49	61	103
MS-AT1-05-1-0930-FC	9.3	10	49	61	103
MS-AT1-05-1-0940-FC	9.4	10	49	61	103
MS-AT1-05-1-0950-FC	9.5	10	49	61	103
MS-AT1-05-1-0960-FC	9.6	10	49	61	103
MS-AT1-05-1-0970-FC	9.7	10	49	61	103
MS-AT1-05-1-0980-FC	9.8	10	49	61	103
MS-AT1-05-1-0990-FC	9.9	10	49	61	103
MS-AT1-05-1-1000-FC	10	10	49	61	103
MS-AT1-05-1-1010-FC	10.1	12	56	71	118
MS-AT1-05-1-1020-FC	10.2	12	56	71	118
MS-AT1-05-1-1030-FC	10.3	12	56	71	118
MS-AT1-05-1-1040-FC	10.4	12	56	71	118
MS-AT1-05-1-1050-FC	10.5	12	56	71	118
MS-AT1-05-1-1060-FC	10.6	12	56	71	118
MS-AT1-05-1-1070-FC	10.7	12	56	71	118
MS-AT1-05-1-1080-FC	10.8	12	56	71	118
MS-AT1-05-1-1090-FC	10.9	12	56	71	118
MS-AT1-05-1-1100-FC	11	12	56	71	118
MS-AT1-05-1-1110-FC	11.1	12	56	71	118
MS-AT1-05-1-1120-FC	11.2	12	56	71	118
MS-AT1-05-1-1130-FC	11.3	12	56	71	118
MS-AT1-05-1-1140-FC	11.4	12	56	71	118
MS-AT1-05-1-1150-FC	11.5	12	56	71	118
MS-AT1-05-1-1160-FC	11.6	12	56	71	118
MS-AT1-05-1-1170-FC	11.7	12	56	71	118
MS-AT1-05-1-1180-FC	11.8	12	56	71	118
MS-AT1-05-1-1190-FC	11.9	12	56	71	118
MS-AT1-05-1-1200-FC	12	12	56	71	118
MS-AT1-05-1-1210-FC	12.1	14	60	77	124
MS-AT1-05-1-1220-FC	12.2	14	60	77	124