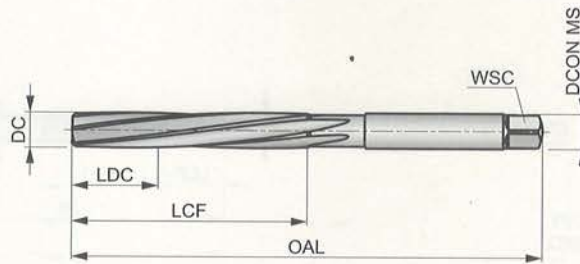


B100



HSS Straight Shank Hand Reamer with H7 Accuracy, Bright and ST Finish

Primarily designed for reaming by hand. It has a precision ground, left-hand helix with right-hand (clockwise) cutting for smooth reaming, creating a more accurate hole size and good surface finish. Suitable for reaming many materials, including steels.



HSS	Bright ST	DIN 206
R		B
H7		

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 251.

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	N1.1	N1.2	N1.3	N2.1	N2.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2								
■	■	■	■	■	■								

DCON MS tolerance e9.

Product	DC	DC	OAL	LCF	LDC	NOF	WSC	DCON MS
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
B1001.5	—	1.50	41.0	20.0	5.00	3	1.12	1.50
B1001/16	1/16	1.59	41.0	20.0	5.00	3	1.12	1.59
B1001.6	—	1.60	44.0	21.0	5.00	3	1.25	1.60
B1005/64	5/64	1.98	47.0	23.0	6.00	4	1.40	1.98
B1002.0	—	2.00	50.0	25.0	6.00	4	1.60	2.00
B1003/32	3/32	2.38	54.0	27.0	7.00	4	1.80	2.38
B1002.5	—	2.50	58.0	29.0	7.00	4	2.10	2.50
B1007/64	7/64	2.78	62.0	31.0	8.00	6	2.10	2.78
B1003.0	—	3.00	62.0	31.0	8.00	6	2.40	3.00
B1001/8	1/8	3.18	66.0	33.0	8.00	6	2.40	3.18
B1003.2	—	3.20	66.0	33.0	8.00	6	2.40	3.20
B1003.5	—	3.50	71.0	35.0	9.00	6	2.70	3.50
B1009/64	9/64	3.57	71.0	35.0	9.00	6	2.70	3.57
B1005/32	5/32	3.97	76.0	38.0	10.00	6	3.00	3.97
B1004.0	—	4.00	76.0	38.0	10.00	6	3.00	4.00
B10011/64	11/64	4.37	81.0	41.0	10.00	6	3.40	4.37
B1004.5	—	4.50	81.0	41.0	10.00	6	3.40	4.50
B1003/16	3/16	4.76	87.0	44.0	11.00	6	3.80	4.76
B1005.0	—	5.00	87.0	44.0	11.00	6	3.80	5.00
B10013/64	13/64	5.16	87.0	44.0	11.00	6	3.80	5.16
B1005.5	—	5.50	93.0	47.0	12.00	6	4.30	5.50
B1007/32	7/32	5.56	93.0	47.0	12.00	6	4.30	5.56
B10015/64	15/64	5.95	93.0	47.0	12.00	6	4.90	5.95
B1006.0	—	6.00	93.0	47.0	12.00	6	4.90	6.00
B1001/4	1/4	6.35	100.0	50.0	13.00	6	4.90	6.35
B1006.5	—	6.50	100.0	50.0	13.00	6	4.90	6.50
B10017/64	17/64	6.75	107.0	54.0	14.00	6	5.50	6.75

Product	DC	DC	OAL	LCF	LDC	NOF	WSC	DCON MS
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
B1007.0	—	7.00	107.0	54.0	14.00	6	5.50	7.00
B1009/32	9/32	7.14	107.0	54.0	14.00	6	6.20	7.14
B1007.5	—	7.50	107.0	54.0	14.00	6	6.20	7.50
B10019/64	19/64	7.54	115.0	58.0	15.00	6	6.20	7.54
B1005/16	5/16	7.94	115.0	58.0	15.00	6	6.20	7.94
B1008.0	—	8.00	115.0	58.0	15.00	6	6.20	8.00
B10021/64	21/64	8.33	115.0	58.0	15.00	6	7.00	8.33
B1008.5	—	8.50	115.0	58.0	15.00	6	7.00	8.50
B10011/32	11/32	8.73	124.0	62.0	16.00	6	7.00	8.73
B1009.0	—	9.00	124.0	62.0	16.00	6	7.00	9.00
B10023/64	23/64	9.13	124.0	62.0	16.00	6	8.00	9.13
B1009.5	—	9.50	124.0	62.0	16.00	6	8.00	9.50
B1003/8	3/8	9.52	124.0	62.0	17.00	6	8.00	9.52
B10025/64	25/64	9.92	133.0	66.0	17.00	6	8.00	9.92
B10010.0	—	10.00	133.0	66.0	17.00	6	8.00	10.00
B10013/32	13/32	10.32	133.0	66.0	17.00	6	8.00	10.32
B10010.5	—	10.50	133.0	66.0	17.00	6	8.00	10.50
B10011.0	—	11.00	142.0	71.0	18.00	6	9.00	11.00
B1007/16	7/16	11.11	142.0	71.0	18.00	6	9.00	11.11
B10011.5	—	11.50	142.0	71.0	18.00	6	9.00	11.50
B10012.0	—	12.00	152.0	76.0	19.00	6	9.00	12.00
B10012.5	—	12.50	152.0	76.0	19.00	6	10.00	12.50
B1001/2	1/2	12.70	152.0	76.0	19.00	6	10.00	12.70
B10013.0	—	13.00	152.0	76.0	19.00	6	10.00	13.00
B10017/32	17/32	13.49	163.0	81.0	20.00	8	11.00	13.49
B10013.5	—	13.50	163.0	81.0	20.00	8	11.00	13.50
B10014.0	—	14.00	163.0	81.0	20.00	8	11.00	14.00
B1009/16	9/16	14.29	163.0	81.0	20.00	8	11.00	14.29
B10014.5	—	14.50	163.0	81.0	20.00	8	11.00	14.50
B10015.0	—	15.00	163.0	81.0	20.00	8	12.00	15.00
B10019/32	19/32	15.08	163.0	81.0	22.00	8	12.00	15.08
B1005/8	5/8	15.88	175.0	87.0	22.00	8	12.00	15.88
B10016.0	—	16.00	175.0	87.0	22.00	8	12.00	16.00
B10017.0	—	17.00	175.0	87.0	22.00	8	13.00	17.00
B10011/16	11/16	17.46	188.0	93.0	23.00	8	14.50	17.46
B10018.0	—	18.00	188.0	93.0	23.00	8	14.50	18.00
B10019.0	—	19.00	188.0	93.0	23.00	8	14.50	19.00
B1003/4	3/4	19.05	188.0	93.0	25.00	8	14.50	19.05
B10020.0	—	20.00	201.0	100.0	25.00	8	16.00	20.00
B10013/16	13/16	20.64	201.0	100.0	25.00	8	16.00	20.64
B10021.0	—	21.00	201.0	100.0	25.00	8	16.00	21.00
B10022.0	—	22.00	215.0	107.0	27.00	8	18.00	22.00
B1007/8	7/8	22.22	215.0	107.0	27.00	8	18.00	22.22
B10023.0	—	23.00	215.0	107.0	27.00	8	18.00	23.00
B10024.0	—	24.00	231.0	115.0	29.00	8	18.00	24.00
B10025.0	—	25.00	231.0	115.0	29.00	8	20.00	25.00
B1001	1"	25.40	231.0	115.0	29.00	8	20.00	25.40
B10026.0	—	26.00	231.0	115.0	29.00	8	20.00	26.00
B10027.0	—	27.00	247.0	124.0	31.00	10	22.00	27.00
B10028.0	—	28.00	247.0	124.0	31.00	10	22.00	28.00
B10029.0	—	29.00	247.0	124.0	31.00	10	22.00	29.00
B10030.0	—	30.00	247.0	124.0	31.00	10	24.00	30.00
B10031.0	—	31.00	265.0	133.0	33.00	10	24.00	31.00
B10032.0	—	32.00	265.0	133.0	33.00	10	24.00	32.00
B10033.0	—	33.00	265.0	133.0	33.00	10	26.00	33.00
B10034.0	—	34.00	284.0	142.0	36.00	10	26.00	34.00
B10035.0	—	35.00	284.0	142.0	36.00	10	29.00	35.00
B10036.0	—	36.00	284.0	142.0	36.00	10	29.00	36.00
B10037.0	—	37.00	284.0	142.0	36.00	10	29.00	37.00
B10038.0	—	38.00	305.0	152.0	38.00	10	29.00	38.00
B10039.0	—	39.00	305.0	152.0	38.00	10	32.00	39.00
B10040.0	—	40.00	305.0	152.0	38.00	10	32.00	40.00
B10045.0	—	45.00	326.0	163.0	41.00	12	35.00	45.00
B10050.0	—	50.00	347.0	174.0	44.00	12	39.00	50.00