

STRAIGHT FLUTE TAPER PIN & DIE MAKER REAMER

High Speed Steel,



Straight Flute

Size	Diameter of Small End	Diameter of Large End	Diameter of Flute Length	Overall Length	Model No.
7/0	0.0497	0.0666	13/16	1-13/16"	331-8200
6/0	0.0611	0.0806	15/16	1-15/16"	331-8202
5/0	0.0719	0.0966	1-3/16	2-3/16"	331-8204
4/0	0.0869	0.1142	1-5/16	2-5/16"	331-8206
3/0	0.1029	0.1302	1-5/16	2-5/16"	331-8208
2/0	0.1137	0.1462	1-9/16	2-9/16"	331-8210
0	0.1287	0.1638	1-11/16	2-15/16"	331-8212
1	0.1447	0.1798	1-11/16	2-15/16"	331-8214
2	0.1605	0.2008	1-15/16	3-3/16"	331-8216
3	0.1813	0.2294	2-5/16	3-11/16"	331-8218
4	0.2071	0.2604	2-9/16	4-1/16"	331-8220
5	0.2409	0.2994	2-13/16	4-5/16"	331-8222
6	0.2773	0.354	3-11/16	5-7/16"	331-8224
7	0.3297	0.422	4-7/16	6-5/16"	331-8226
8	0.3971	0.505	5-3/16	7-3/16"	331-8228
9	0.4805	0.6066	6-1/16	8-5/16"	331-8230
10	0.5799	0.7216	6-13/16	9-5/16"	331-8232
11	0.7060	0.8780	8-1/4	11-1/4"	331-8234
12	0.8420	1.0500	10	13-5/8"	331-8236
13	1.0090	1.2590	12	16"	331-8238
14	1.2500	1.5420	14	18-1/4"	331-8240

SPIRAL FLUTE TAPER PIN & DIE MAKER REAMER

High Speed Steel,



Spiral Flute

Size	Diameter of Small End	Diameter of Large End	Diameter of Flute Length	Overall Length	Model No.
7/0	0.0497	0.0666	13/16	1-13/16"	331-8300
6/0	0.0611	0.0806	15/16	1-15/16"	331-8302
5/0	0.0719	0.0966	1-3/16	2-3/16"	331-8304
4/0	0.0869	0.1142	1-5/16	2-5/16"	331-8306
3/0	0.1029	0.1302	1-5/16	2-5/16"	331-8308
2/0	0.1137	0.1462	1-9/16	2-9/16"	331-8310
0	0.1287	0.1638	1-11/16	2-15/16"	331-8312
1	0.1447	0.1798	1-11/16	2-15/16"	331-8314
2	0.1605	0.2008	1-15/16	3-3/16"	331-8316
3	0.1813	0.2294	2-5/16	3-11/16"	331-8318
4	0.2071	0.2604	2-9/16	4-1/16"	331-8320
5	0.2409	0.2994	2-13/16	4-5/16"	331-8322
6	0.2773	0.354	3-11/16	5-7/16"	331-8324
7	0.3297	0.422	4-7/16	6-5/16"	331-8326
8	0.3971	0.505	5-3/16	7-3/16"	331-8328
9	0.4805	0.6066	6-1/16	8-5/16"	331-8330
10	0.5799	0.7216	6-13/16	9-5/16"	331-8332
11	0.7060	0.8780	8-1/4	11-1/4"	331-8334
12	0.8420	1.0500	10	13-5/8"	331-8336
13	1.0090	1.2590	12	16"	331-8338
14	1.2500	1.5420	14	18-1/4"	331-8340

STRAIGHT FLUTE TAPER PIN & DIE MAKER REAMER SETS

Model No. 331-8250

0-5# 6 pcs in vinyl roll pouch

Model No. 331-8255

0-10# 11 pcs in wooden case

SPIRAL FLUTE TAPER PIN & DIE MAKER REAMER SETS

Model No. 331-8350

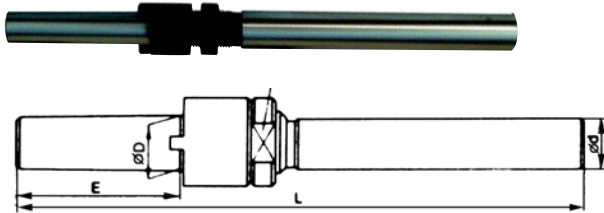
0-5# 6 pcs in vinyl roll pouch

Model No. 331-8355

0-10# 11 pcs in wooden case

E-Z EJECT SHELL REAMER ARBORS

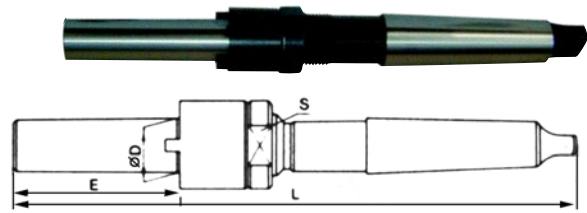
Straight Shank



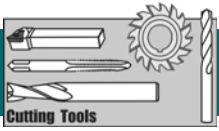
Size	Shank Dia.	Fits Shell Reamer	Overall Length	Model No.
#4	1/2"	21/32"-25/32"	9"	331-2002
#5	5/8"	13/16"-1-1/32"	9-1/2"	331-2004
#6	3/4"	1-1/16"-1-9/32"	10"	331-2006
#7	7/8"	1-5/16"-1-5/8"	11"	331-2008
#8	1-1/8"	1-11/16"-2"	12"	331-2010
#9	1-3/8"	2-1/16"-2-1/2"	13"	331-2012
#10	1-5/8"	2-9/16"-3"	14"	331-2014
#11	2"	3-1/16"-3-1/2"	15"	331-2016
#12	2-1/8"	3-9/16"-4"	16"	331-2018

E-Z EJECT SHELL REAMER ARBORS

Taper Shank



Size	Morse Taper	Arbor Dia.	Fits Shell Reamer	Overall Length	Model No.
#4	MT2	3/8"	21/32"-25/32"	9"	331-2102
#5	MT2	1/2"	13/16"-1-1/32"	9-1/2"	331-2104
#6	MT3	5/8"	1-1/16"-1-9/32"	10"	331-2106
#7	MT3	3/4"	1-5/16"-1-5/8"	11"	331-2108
#8	MT4	1"	1-11/16"-2"	12"	331-2110
#9	MT4	1-1/4"	2-1/16"-2-1/2"	13"	331-2112
#10	MT5	1-1/2"	2-9/16"-3"	14"	331-2114
#11	MT5	1-3/4"	3-1/16"-3-1/2"	15"	331-2116
#12	MT5	2"	3-9/16"-4"	16"	331-2118



Cutting Tools

STRAIGHT SHANK SHELL REAMER ARBOR

Size	Shank Dia.	Fits Shell Reamer	Model No.
#4	1/2"	21/32"-25/32"	331-2204
#5	5/8"	13/16"-1-1/32"	331-2205
#6	3/4"	1-1/16"-1-9/32"	331-2206
#7	7/8"	1-5/16"-1-5/8"	331-2207
#8	1-1/8"	1-11/16"-2"	331-2208
#9	1-3/8"	2-1/16"-2-1/2"	331-2209
#10	1-5/8"	2-9/16"-3"	331-2210
#11	2"	3-1/16"-3-1/2"	331-2211
#12	2-1/8"	3-9/16"-4"	331-2212



TAPER SHANK SHELL REAMER ARBOR

Morse			
Size	Taper	Fits Shell Reamer	Model No.
#4	MT2	21/32"-25/32"	331-2304
#5	MT2	13/16"-1-1/32"	331-2305
#6	MT3	1-1/16"-1-9/32"	331-2306
#7	MT3	1-5/16"-1-5/8"	331-2307
#8	MT4	1-11/16"-2"	331-2308
#9	MT4	2-1/16"-2-1/2"	331-2309
#10	MT5	2-9/16"-3"	331-2310
#11	MT5	3-1/16"-3-1/2"	331-2311
#12	MT5	3-9/16"-4"	331-2312



COUNTERSINKS & DEBURRING TOOL WITH HOLE

High Speed Steel



Sets

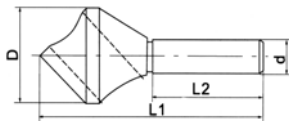
Description	Plastic Stand		Wooden stand Model No.
	Model No.	Model No.	
60j 5Pcs 1 each of: 1/16" to 9/16"	380-0811	380-0810	380-0810
82j 5Pcs 1 each of: 1/16" to 9/16"	380-1811	380-1810	380-1810
90j 5Pcs 1 each of: 1/16" to 9/16"	380-2811	380-2810	380-2810

Individual

Range	Shank		Description	60°	82°	90°
	Dia.	Dia.		Model No.	Model No.	Model No.
1/16 - 15/64	1/4"	1/4"	0 double end	380-0815	380-1815	380-2815
5/32 - 13/32	1/4"	1/4"	1 single end	380-0816	380-1816	380-2816
3/16 - 17/32	1/4"	1/4"	2 single end	380-0817	380-1817	380-2817
3/16 - 25/32	1/2"	1/2"	3 single end	380-0818	380-1818	380-2818
9/16 - 1-1/16	1/2"	1/2"	4 single end	380-0819	380-1819	380-2819
5/8 - 1-15/32	1/2"	1/2"	5 single end	380-0822	380-1822	380-2822
3/4 - 1-3/4	5/8"	5/8"	6 single end	380-0823	380-1823	380-2823
1 - 2	5/8"	5/8"	7 single end	380-0824	380-1824	380-2824
1-1/4 - 2-1/2	3/4"	3/4"	8 single end	380-0825	380-1825	380-2825

COUNTERSINKS & DEBURRING TOOL WITH HOLE

High Speed Steel



Sets

Description	Model No.
60j 4Pcs 1 each of 2/5 - 15/20	380-3402
82j 4Pcs 1 each of 2/5 - 15/20	380-3404
90j 4Pcs 1 each of 2/5 - 15/20	380-3406
60j 5Pcs 1 each of 1/4 - 15/20	380-3502
82j 5Pcs 1 each of 1/4 - 15/20	380-3604
90j 5Pcs 1 each of 1/4 - 15/20	380-3606
60j 5Pcs 1 each of 2/5 - 20/25	380-3602
82j 5Pcs 1 each of 2/5 - 20/25	380-3604
90j 5Pcs 1 each of 2/5 - 20/25	380-3606

Individual

Range	Head Shank			60° Model No.	82° Model No.	90° Model No.
	Dia.	Dia.	Length			
1-4mm	6.35	6.35	45	380-3001	380-3101	380-3201
2-5mm	10	6	45	380-3002	380-3102	380-3202
5-10mm	14	8	48	380-3005	380-3105	380-3205
10-15mm	21	10	65	380-3010	380-3110	380-3210
15-20mm	28	12	85	380-3015	380-3115	380-3215
20-25mm	35	15	102	380-3020	380-3120	380-3220
25-30mm	44	15	115	380-3025	380-3125	380-3225
30-35mm	48	15	127	380-3030	380-3130	380-3230
35-40mm	53	15	136	380-3035	380-3135	380-3235
40-50mm	64	18	166	380-3040	380-3140	380-3240

BLANK FOR COUNTERSINKS 90° WITH HOLE

Size	M2HSS	M35HSS
	Model No.	Model No.
1 - 4mm	351-1001	351-2001
2 - 5mm	351-1002	351-2002
5 - 10mm	351-1005	351-2005
10 - 15mm	351-1010	351-2010
15 - 20mm	351-1015	351-2015
20 - 25mm	351-1020	351-2020
25 - 30mm	351-1025	351-2025
30 - 35mm	351-1030	351-2030
35 - 40mm	351-1035	351-2035
40 - 50mm	351-1040	351-2040