

# Low Helix & High Helix Jobber Length Drills

**Straight Shank — High Speed Steel  
118° Point**

**Low Helix** drills are recommended for drilling brass, bronze, hard plastic and hard rubber. Wide flutes and low helix angle enhance chip ejection at high rates of penetration.

**High Helix** drills are recommended for deep hole drilling in low tensile strength materials such as aluminum, magnesium, zinc, copper, soft steels and some plastics. Wide polished flutes and a high helix angle enhance chip ejection.

Foret court

Broca Uso Multiple



List No. 1344 — Low Helix - All Sizes



List No. 1363 — High Helix-Fractional

List No. 1364 — High Helix-Wire Gage

**STANDARD  
PACKAGE**

**Fractional Sizes**

1/16" thru 3/8" — 12 each  
25/64" thru 1/2" — 6 each

**Wire Gage Sizes**

#1 thru #60 — 12 each

**Tool Coatings  
Also Available**

FRAC-TIONAL	SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	1344	1363, 1364
	WIRE GAGE					EDP NO.	EDP NO.
	60		.0400	1 1/16	1 5/8	14023	14172
	59		.0410	1 1/16	1 5/8	14024	14173
	58		.0420	1 1/16	1 5/8	14025	14174
	57		.0430	3/4	1 3/4	14026	14175
	56		.0465	3/4	1 3/4	14027	14176
1/16	55		.0520	7/8	1 7/8	14028	14178
	54		.0550	7/8	1 7/8	14029	14179
	53		.0595	7/8	1 7/8	14030	14180
			.0625	7/8	1 7/8	14031	14181
	52		.0635	7/8	1 7/8	14032	14182
5/64	51		.0670	1	2	14033	14183
	50		.0700	1	2	14034	14184
	49		.0730	1	2	14035	14185
	48		.0760	1	2	14036	14186
			.0781	1	2	14037	14187
	47		.0785	1	2	14038	14188
	46		.0810	1 1/8	2 1/8	14039	14189
	45		.0820	1 1/8	2 1/8	14040	14190
	44		.0860	1 1/8	2 1/8	14041	14191
	43		.0890	1 1/4	2 1/4	14042	14192
3/32	42		.0935	1 1/4	2 1/4	14043	14193
			.0937	1 1/4	2 1/4	14044	14194
	41		.0960	1 3/8	2 3/8	14045	14195
	40		.0980	1 3/8	2 3/8	14046	14196
	39		.0995	1 3/8	2 3/8	14047	14197
7/64	38		.1015	1 7/16	2 1/2	14048	14198
	37		.1040	1 7/16	2 1/2	14049	14199
	36		.1065	1 7/16	2 1/2	14050	14200
			.1094	1 1/2	2 5/8	14051	14201
	35		.1100	1 1/2	2 5/8	14052	14202
	34		.1110	1 1/2	2 5/8	14053	14203
	33		.1130	1 1/2	2 5/8	14054	14204
	32		.1160	1 5/8	2 3/4	14055	14205
	31		.1200	1 5/8	2 3/4	14056	14206
			.1250	1 5/8	2 3/4	14057	14207
1/8	30		.1285	1 5/8	2 3/4	14058	14208
	29		.1360	1 3/4	2 7/8	14059	14209
	28		.1405	1 3/4	2 7/8	14060	14210
			.1406	1 3/4	2 7/8	14061	14211
	27		.1440	1 7/8	3	14062	14212

(continued)

# Low Helix & High Helix Jobber Length Drills (continued)

List Nos. 1344, 1363 and 1364

FRAC-TIONAL	SIZE	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	Foret court		Broca Uso Multiple		
					OAL		1344 EDP NO.	1363, 1364 EDP NO.	
		26	.1470	1 $\frac{7}{8}$		3		14063	14213
		25	.1495	1 $\frac{7}{8}$		3		14064	14214
		24	.1520	2		3 $\frac{1}{8}$		14065	14215
		23	.1540	2		3 $\frac{1}{8}$		14066	14216
	5/32		.1562	2		3 $\frac{1}{8}$		14067	14217
		22	.1570	2		3 $\frac{1}{8}$		14068	14218
		21	.1590	2 $\frac{1}{8}$		3 $\frac{1}{4}$		14069	14219
		20	.1610	2 $\frac{1}{8}$		3 $\frac{1}{4}$		14070	14220
		19	.1660	2 $\frac{1}{8}$		3 $\frac{1}{4}$		14071	14221
		18	.1695	2 $\frac{1}{8}$		3 $\frac{1}{4}$		14072	14222
	1 $\frac{1}{64}$		.1719	2 $\frac{1}{8}$		3 $\frac{1}{4}$		14073	14223
		17	.1730	2 $\frac{3}{16}$		3 $\frac{3}{8}$		14074	14224
		16	.1770	2 $\frac{3}{16}$		3 $\frac{3}{8}$		14075	14225
		15	.1800	2 $\frac{3}{16}$		3 $\frac{3}{8}$		14076	14226
		14	.1820	2 $\frac{3}{16}$		3 $\frac{3}{8}$		14077	14227
		13	.1850	2 $\frac{5}{16}$		3 $\frac{1}{2}$		14078	14228
	3/16		.1875	2 $\frac{5}{16}$		3 $\frac{1}{2}$		14079	14229
		12	.1890	2 $\frac{5}{16}$		3 $\frac{1}{2}$		14080	14230
		11	.1910	2 $\frac{5}{16}$		3 $\frac{1}{2}$		14081	14231
		10	.1935	2 $\frac{7}{16}$		3 $\frac{5}{8}$		14082	14232
		9	.1960	2 $\frac{7}{16}$		3 $\frac{5}{8}$		14083	14233
		8	.1990	2 $\frac{7}{16}$		3 $\frac{5}{8}$		14084	14234
		7	.2010	2 $\frac{7}{16}$		3 $\frac{5}{8}$		14085	14235
	1 $\frac{3}{64}$		.2031	2 $\frac{7}{16}$		3 $\frac{5}{8}$		14086	14236
		6	.2040	2 $\frac{1}{2}$		3 $\frac{3}{4}$		14087	14237
		5	.2055	2 $\frac{1}{2}$		3 $\frac{3}{4}$		14088	14238
		4	.2090	2 $\frac{1}{2}$		3 $\frac{3}{4}$		14089	14239
		3	.2130	2 $\frac{1}{2}$		3 $\frac{3}{4}$		14090	14240
	7/32		.2187	2 $\frac{1}{2}$		3 $\frac{3}{4}$		14091	14241
		2	.2210	2 $\frac{5}{8}$		3 $\frac{7}{8}$		14092	14242
		1	.2280	2 $\frac{5}{8}$		3 $\frac{7}{8}$		14093	14243
	1 $\frac{5}{64}$		.2344	2 $\frac{5}{8}$		3 $\frac{7}{8}$		14095	14245
	1/4		.2500	2 $\frac{3}{4}$		4		14099	14249
	1 $\frac{7}{64}$		.2656	2 $\frac{7}{8}$		4 $\frac{1}{8}$		14103	14253
	9/32		.2812	2 $\frac{15}{16}$		4 $\frac{1}{4}$		14108	14258
	1 $\frac{9}{64}$		.2969	3 $\frac{1}{16}$		4 $\frac{3}{8}$		14111	14261
	5/16		.3125	3 $\frac{3}{16}$		4 $\frac{1}{2}$		14113	14263
	2 $\frac{1}{64}$		.3281	3 $\frac{5}{16}$		4 $\frac{5}{8}$		14116	14266
	1 $\frac{1}{32}$		.3437	3 $\frac{7}{16}$		4 $\frac{3}{4}$		14119	14269
	2 $\frac{3}{64}$		.3593	3 $\frac{1}{2}$		4 $\frac{7}{8}$		14122	14272
	3/8		.3750	3 $\frac{5}{8}$		5		14124	14274
	2 $\frac{5}{64}$		.3906	3 $\frac{3}{4}$		5 $\frac{1}{8}$		14127	14277
	1 $\frac{3}{32}$		.4062	3 $\frac{7}{8}$		5 $\frac{1}{4}$		14130	14280
	2 $\frac{7}{64}$		.4219	3 $\frac{15}{16}$		5 $\frac{3}{8}$		14132	14282
	7/16		.4375	4 $\frac{1}{16}$		5 $\frac{1}{2}$		14133	14283
	2 $\frac{9}{64}$		.4531	4 $\frac{3}{16}$		5 $\frac{5}{8}$		14134	14284
	1 $\frac{5}{32}$		.4687	4 $\frac{5}{16}$		5 $\frac{3}{4}$		14135	14285
	3 $\frac{1}{64}$		.4844	4 $\frac{3}{8}$		5 $\frac{7}{8}$		14136	14286
	1/2		.5000	4 $\frac{1}{2}$		6		14137	14287