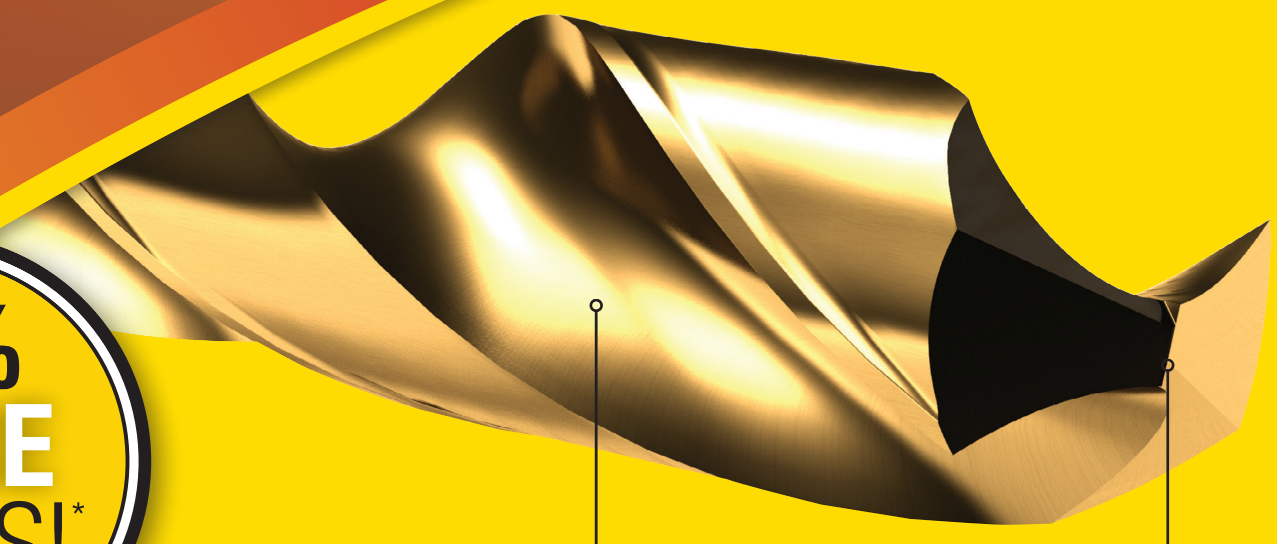
Alpha®



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DRILL SELECTION CHART

METRIC | FRACTIONS | GAUGE | INCHES

*30% more holes than other leading brands of jobber drills. Independent testing results available.

METRIC	FRACTION	GAUGE	INCH
0.3			0.0118
0.32			0.0126
0.343		80	0.0135
0.35			0.0138
0.368		79	0.0145
0.38			0.015
0.397	1/64"		0.0156
0.4			0.0157
0.406		78	0.016
0.42			0.0165
0.45			0.0177
0.457		77	0.018
0.48			0.0189
0.5			**0.0197**
0.508		76	0.02
0.52			0.0205
0.533		75	0.021
0.55			0.0217
0.572		74	0.0225
0.58			0.0228
0.6			0.0236
0.61		73	0.024
0.62			0.0244
0.635		72	0.025
0.65			0.0256
0.66		71	0.026
0.68			0.0268
0.7			0.0276
0.711		70	0.028
0.72			0.0283
0.742		69	0.0292
0.75			0.0295
0.78			0.0307
0.787		68	0.031
0.794	1/32"		0.0312
0.8			0.0315
0.813		67	0.032
0.82			0.0323
0.838		66	0.033
0.85			0.0335
0.88			0.0346
0.889		65	0.035
0.9			0.0354
0.914		64	0.036
0.92			0.0362
0.94		63	0.037
0.95			0.0374
0.965		62	0.038
0.98			0.0386
0.99		61	0.039
1			**0.0394**
1.016		60	0.04
1.041		59	0.041
1.05			0.0413
1.067		58	0.042
1.092		57	0.043
1.1			0.0433
1.15			0.0453
1.181		56	0.0465
1.191	3/64"		0.0469
1.2			0.0472
1.25			0.0492
1.3			0.0512
1.321		55	0.052
1.35			0.0531
1.397		54	0.055
1.4			0.0551
1.45			0.0571
1.5			**0.0591**
1.511		53	0.0595
1.55			0.061
1.588	1/16"		0.0625
1.6			0.063
1.613		52	0.0635
1.65			0.065
1.7			0.0669
1.702		51	0.067
1.75			0.0689
1.778		50	0.07
1.8			0.0709
1.85			0.0728
1.854		49	0.073

METRIC	FRACTION	GAUGE	INCH
1.9			0.0748
1.93		48	0.076
1.95			0.0768
1.984	5/64"		0.0781
1.994		47	0.0785
2			**0.0787**
2.05			0.0807
2.057		46	0.081
2.083		45	0.082
2.1			0.0827
2.15			0.0846
2.184		44	0.086
2.2			0.0866
2.25			0.0886
2.61		43	0.089
2.3			0.0906
2.35			0.0925
2.375		42	0.0935
2.381	3/32"		0.0938
2.4			0.0945
2.438		41	0.096
2.45			0.0965
2.489		40	0.098
2.5			**0.0984**
2.527		39	0.0995
2.55			0.1004
2.578		38	0.1015
2.6			0.1024
2.642		37	0.104
2.65			0.1043
2.7			0.1063
2.705		36	0.1065
2.75			0.1083
2.778	7/64"		0.1094
2.294		35	0.11
2.8			0.1102
2.819		34	0.111
2.85			0.1122
2.87		33	0.113
2.9			0.1142
2.946		32	0.116
2.95			0.1161
3			**0.1181**
3.048		31	0.12
3.1			0.122
3.1755	1/8"		0.125
3.2			0.126
3.25			0.128
3.264		30	0.1285
3.3			0.1299
3.4			0.1339
3.454		29	0.136
3.5			**0.1378**
3.569		28	0.1405
3.572	9/64"		0.1406
3.6			0.1417
3.658		27	0.144
3.7			0.1457
3.734		26	0.147
3.75			0.1476
3.797		25	0.1495
3.8			0.1496
3.861		24	0.152
3.9			0.1535
3.912		23	0.154
3.969	5/32"		0.1562
3.988		22	0.157
4			**0.1575**
4.039		21	0.159
4.089		20	0.161
4.1			0.1614
4.2			0.1654
4.216		19	0.166
4.25			0.1673
4.3			0.1693
4.305		18	0.1695
4.366	11/64"		0.1719
4.394		17	0.173
4.4			0.1732
4.496		16	0.177
4.5			**0.1772**
4.572		15	0.18

METRIC	FRACTION	GAUGE	INCH
4.6			0.1811
4.623		14	0.182
4.7		13	0.185
4.75			0.187
4.762	3/16"		0.1875
4.8		12	0.189
4.851		11	0.191
4.9			0.1929
4.915		10	0.1935
4.978		9	0.196
5			**0.1969**
5.055		8	0.199
5.1			0.2008
5.105		7	0.201
5.159	13/64"		0.2031
5.182		6	0.204
5.2			0.2047
5.22		5	0.2055
5.25			0.2067
5.3			0.2087
5.309		4	0.209
5.4			0.2126
5.41		3	0.213
5.5			**0.2165**
5.556	7/32"		0.2188
5.6			0.2205
5.613		2	0.221
5.7			0.2244
5.75			0.2264
5.791		1	0.228
5.8			0.2283
5.9			0.2323
5.944		A	0.234
5.953	15/64"		0.2344
6			**0.2362**
6.045		B	0.238
6.1			0.2402
6.147		C	0.242
6.2			0.2441
6.248		D	0.246
6.25			0.2461
6.3			0.248
6.35	1/4"	E	0.25
6.4			0.252
6.5			**0.2559**
6.528		F	0.257
6.6			0.2598
6.629		G	0.261
6.7			0.2638
6.747	17/64"		0.2656
6.75			0.2657
6.75		H	0.266
6.8			0.2677
6.9			0.2717
6.909		I	0.272
7			**0.2756**
7.036		J	0.277
7.1			0.2795
7.137		K	0.281
7.144	9/32"		0.2812
7.2			0.2835
7.25			0.2854
7.3			0.2874
7.366		L	0.29
7.4			0.2913
7.493		M	0.295
7.5			**0.2953**
7.541	19/64"		0.2969
7.6			0.2992
7.671		N	0.302
7.7			0.3031
7.75			0.3051
7.8			0.3071
7.9			0.311
7.938	5/16"		0.3125
8			**0.315**
8.026		O	0.316
8.1			0.3189
8.2			0.3228
8.204		P	0.323
8.25			0.3248
8.3			0.3268

METRIC	FRACTION	GAUGE	INCH
8.334	21/64"		0.3281
8.4			0.3307
8.433		Q	0.332
8.5			**0.3346**
8.6			0.3386
8.611		R	0.339
8.7			0.3425
8.731	11/32"		0.3438
8.75			0.3445
8.8			0.3465
8.839		S	0.348
8.9			0.3504
9			**0.3543**
9.093		T	0.358
9.1			0.3583
9.128	23/64"		0.3594
9.2			0.3622
9.25			0.3642
9.3			0.3661
9.347		U	0.368
9.4			0.3701
9.5			**0.374**
9.525	3/8"		0.375
9.576		V	0.377
9.6			0.378
9.7			0.3819
9.75			0.3839
9.8			0.3858
9.804		W	0.386
9.9			0.3898
9.922	25/64"		0.3906
10			**0.3937**
10.084		X	0.397
10.1			0.3976
10.2			0.4016
10.25			0.4035
10.262		Y	0.404
10.3			0.4055
10.319	13/32"		0.4062
10.4			0.4094
10.49		Z	0.413
10.5			**0.4134**
10.6			0.4173
10.7			0.4213
10.716	27/64"		0.4219
10.75			0.4232
10.8			0.4252
10.9			0.4291
11			**0.4331**
11.1			0.437
11.112	7/16"		0.4375
11.2			0.4409
11.25			0.4429
11.3			0.4449
11.4			0.4488
11.5			**0.4528**
11.509	29/64"		0.4531
11.6			0.4567
11.7			0.4606
11.75			0.4626
11.8			0.4646
11.9			0.4685
11.906	15/32"		0.4688
12			**0.4724**
12.1			0.4764
12.2			0.4803
12.25			0.4823
12.3			0.4843
12.303	31/64"		0.4844
12.4			0.4882
12.5			**0.4921**
12.6			0.4961
12.7	1/2"		0.5
12.75			0.502
12.8			0.5039
12.9			0.5079
13			**0.5118**
13.097	33/64"		0.5156
13.1			0.5157
13.2			0.5197
13.25			0.5217
13.3			0.5236

METRIC	FRACTION	GAUGE	INCH
13.4			0.5276
13.494	17/32"		0.5313
13.5			**1.5315**
13.6			1.5354
13.7			0.5394
13.75			0.5413
13.8			0.5433
13.891	35/64"		0.5469
13.9			0.5472
14			**0.5512**
14.25			0.561
14.288	9/16"		0.5625
14.5			**0.5709**
14.684	37/64"		0.5781
14.75			0.5807
15			**0.5906**
15.081	19/32"		0.5937
15.25			0.6004
15.478	39/64"		0.6094
15.5			**0.6102**
15.75			0.6201
15.875	5/8"		0.625
16			**0.6299**
16.25			0.6398
16.272	41/64"		0.6406
16.5			0.6496
16.669	21/32"		0.6563
16.75			0.6594
17			**0.6693**
17.066	43/64"		0.6719
17.25			0.6791
17.462	11/16"		0.6875
17.5			**0.689**
17.75			0.6988
17.859	45/64"		0.7031
18			**0.7087**
18.25			0.7185
18.256	23/32"		0.7187
18.5			**0.7283**
18.653	47/64"		0.7344
18.75			0.7382
19			**0.748**
19.05	3/4"		0.75
19.25			0.7579
19.447	49/64"		0.7656
19.5			**0.7677**
19.75			0.7776
19.844	25/32"		0.7813
20			**0.7874**
20.241	51/64"		0.7969
20.25			0.7972
20.5			**0.8071**
20.638	13/16"		0.8125
20.75			0.8169
21			**0.8268**
21.034	53/64"		0.8281
21.25			0.8366
21.431	27/32"		0.8437
21.5			**0.8465**
21.75			0.8563
21.828	55/64"		0.8594
22			**0.8661**
22.225	7/8"		0.875
22.25			0.876
22.5			**0.8858**
22.622	57/64"		0.8906
22.75			0.8957
23			**0.9055**
23.019	29/32"		0.9063
23.25			0.9154
23.416	59/64"		0.9219
23.5			**0.9252**
23.75			0.935
23.812	15/16"		0.9375
24			**0.9449**
24.209	61/64"		0.9531
24.25			0.9547
24.5			**0.9646**
24.606	31/32"		0.9687
24.75			0.9744
25			**0.9843**
25.003	63/64"		0.9844

METRIC	FRACTION	GAUGE	INCH
25.25			0.9941
25.4	1"		1
25.5			**1.0039**
25.75			1.0138
25.797	1-1/64"		1.0156
26			**1.0236**
26.194	1-1/32"		1.0313
26.25			1.0335
26.5			**1.0433**
26.591	1-3/64"		1.0469
26.75			1.0531
26.988	1-1/16"		1.0625
27			**1.063**
27.25			1.0728
27.384	1-5/64"		1.0781
27.5			**1.0827**
27.75			1.0925
27.781	1-3/32"		1.0937
28			**1.1024**
28.178	1-7/64"		1.1094
28.25			1.1122
28.5			**1.122**
28.575	1-1/8"		1.125
28.75			1.1319
28.972	1-9/64"		1.1406
29			**1.1417**
29.25			1.1516
29.369	1-5/32"		1.1563
29.5			**1.1614**
29.75			1.1713
29.766	1-11/64"		1.1719
30			**1.1811**
30.162	1-3/16"		1.1875
30.25			1.1909
30.5			**1.2008**
30.559	1-13/64"		1.2031
30.75			1.2106
30.956	1-7/32"		1.2187
31			**1.2205**
31.25			1.2303
31.353	1-15/64"		1.2344
31.5			**1.2402**
31.75	1-1/4"		1.25
32			**1.2598**
32.147	1-17/64"		1.2656
32.5			**1.2795**
32.544	1-9/32"		1.2813
32.941	1-19/64"		1.2969
33			**1.2992**
33.338	1-5/16"		1.3125
33.5			**1.3189**
33.734	1-21/64"		1.3281
34			**1.3386**
34.131	1-11/32"		1.3437
34.5			**1.3583**
34.528	1-23/64"		1.3594
34.925	1-3/8"		1.375
35			**1.378**
35.322	1-25/64"		1.3906
35.5			**1.3976**
35.719	1-13/32"		1.4063
36			**1.4173**
36.116	1-27/64"		1.4219
36.5			**1.437**
36.512	1-7/16"		1.4375
36.909	1-29/64"		1.4531
37			**1.4567**
37.306	1-15/32"		1.4687
37.5			**1.4764**
37.703	1-31/64"		1.4844
38			**1.4961**
38.1	1-1/2"		1.5
38.497	1-33/64"		1.5156
38.5			**1.5157**
38.894	1-17/32"		1.5313
39			**1.5354**
39.291	1-35/64"		1.5496
39.5			**1.5551**
39.688	1-9/16"		1.5625
40			**1.5748**
40.084	1-37/64"		1.5781
40.481	1-19/32"		1.5937
40.5			**1.5945**
40.878	1-39/64"		1.6094