

# DRILLS - METALWORKING

## Metric Jobber Length Drills

Straight Shank – High Speed Steel

118° Point – General Purpose

Designed for drilling of a wide variety of materials.

**Black Oxide Surface Treatment** increases wear resistance, reduces galling and chip welding, improves chip flow and increases drill lubricant retention.



**BLACK OXIDE TREATED**  
**List No. 333QI**

**IMPORT**

**STANDARD PACKAGE**

1.0mm thru 9.5mm – 12 each

9.6mm thru 13.0mm – 6 each

### LIST NO. 333QI

#### METRIC SIZES

SIZE MM	DECIMAL EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
1.00	.0394	17	11/16	41	1-5/8	85115
1.05	.0413	17	11/16	41	1-5/8	85116
1.10	.0433	19	3/4	44	1-3/4	85117
1.15	.0453	19	3/4	44	1-3/4	85118
1.20	.0472	22	7/8	48	1-7/8	85119
1.25	.0492	22	7/8	48	1-7/8	85120
1.30	.0512	22	7/8	48	1-7/8	85121
1.35	.0531	22	7/8	48	1-7/8	85122
1.40	.0551	22	7/8	48	1-7/8	85123
1.45	.0571	22	7/8	48	1-7/8	85124
1.50	.0591	22	7/8	48	1-7/8	85125
1.55	.0610	22	7/8	48	1-7/8	85126
1.60	.0630	22	7/8	48	1-7/8	85127
1.65	.0650	25	1	51	2	85128
1.70	.0669	25	1	51	2	85129
1.75	.0689	25	1	51	2	85130
1.80	.0709	25	1	51	2	85131
1.85	.0728	25	1	51	2	85132
1.90	.0748	25	1	51	2	85133
2.00	.0787	25	1	51	2	85134
2.10	.0827	29	1-5/32	54	2-1/8	85135
2.15	.0846	29	1-5/32	54	2-1/8	85136
2.20	.0866	32	1-1/4	57	2-1/4	85137
2.25	.0886	32	1-1/4	57	2-1/4	85138
2.30	.0906	32	1-1/4	57	2-1/4	85139
2.35	.0925	32	1-1/4	57	2-1/4	85140
2.40	.0945	35	1-3/8	60	2-23/64	85141

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SIZE MM	DECIMAL EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
2.45	.0965	35	1-3/8	60	2-23/64	85142
2.50	.0984	35	1-3/8	60	2-23/64	85143
2.60	.1024	37	1-15/32	64	2-1/2	85144
2.70	.1063	37	1-15/32	64	2-1/2	85145
2.80	.1102	38	1-1/2	67	2-5/8	85146
2.90	.1142	41	1-5/8	70	2-3/4	85147
3.00	.1181	41	1-5/8	70	2-3/4	85148
3.10	.1220	41	1-5/8	70	2-3/4	85149
3.20	.1260	41	1-5/8	70	2-3/4	85150
3.30	.1299	45	1-3/4	73	2-7/8	85151
3.40	.1339	45	1-3/4	73	2-7/8	85152
3.50	.1378	45	1-3/4	73	2-7/8	85153
3.60	.1417	48	1-7/8	76	3	85154
3.70	.1457	48	1-7/8	76	3	85155
3.80	.1496	48	1-7/8	76	3	85156
3.90	.1535	51	2	79	3-1/8	85157
4.00	.1575	54	2-1/8	83	3-1/4	85158
4.10	.1614	54	2-1/8	83	3-1/4	85159
4.20	.1654	54	2-1/8	83	3-1/4	85160
4.30	.1693	54	2-1/8	83	3-1/4	85161
4.40	.1732	56	2-13/64	86	3-3/8	85162
4.50	.1772	56	2-13/64	86	3-3/8	85163
4.60	.1811	56	2-13/64	86	3-3/8	85164
4.70	.1850	59	2-21/64	89	3-1/2	85165
4.80	.1890	59	2-21/64	89	3-1/2	85166
4.90	.1929	62	2-7/16	92	3-5/8	85167
5.00	.1969	62	2-7/16	92	3-5/8	85168

(continued)

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(continued)

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SIZE MM	DECIMAL EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
5.10	.2008	62	2-7/16	92	3-5/8	85169
5.20	.2047	64	2-1/2	95	3-3/4	85170
5.30	.2087	64	2-1/2	95	3-3/4	85171
5.40	.2126	64	2-1/2	95	3-3/4	85172
5.50	.2165	64	2-1/2	95	3-3/4	85223
5.60	.2205	67	2-5/8	98	3-7/8	85173
5.70	.2244	67	2-5/8	98	3-7/8	85174
5.80	.2283	67	2-5/8	98	3-7/8	85175
5.90	.2323	67	2-5/8	98	3-7/8	85176
6.00	.2362	70	2-3/4	102	4	85177
6.10	.2402	70	2-3/4	102	4	85178
6.20	.2441	70	2-3/4	102	4	85179
6.30	.2480	70	2-3/4	102	4	85180
6.40	.2520	73	2-7/8	105	4-1/8	85181
6.50	.2559	73	2-7/8	105	4-1/8	85182
6.60	.2598	73	2-7/8	105	4-1/8	85183
6.70	.2638	73	2-7/8	105	4-1/8	85184
6.80	.2677	73	2-7/8	105	4-1/8	85185
6.90	.2717	73	2-7/8	105	4-1/8	85186
7.00	.2756	73	2-7/8	105	4-1/8	85187
7.10	.2795	75	2-61/64	108	4-1/4	85188
7.20	.2835	75	2-61/64	108	4-1/4	85189
7.30	.2874	75	2-61/64	108	4-1/4	85190
7.40	.2913	78	3	111	4-3/8	85191
7.50	.2953	78	3	111	4-3/8	85192
7.60	.2992	78	3	111	4-3/8	85193
7.70	.3031	81	3-3/16	114	4-1/2	85194
7.80	.3071	81	3-3/16	114	4-1/2	85195

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SIZE MM	DECIMAL EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
7.90	.3110	81	3-3/16	114	4-1/2	85196
8.00	.3150	81	3-3/16	114	4-1/2	85197
8.10	.3189	84	3-5/16	117	4-9/16	85198
8.20	.3228	84	3-5/16	117	4-9/16	85199
8.30	.3268	84	3-5/16	117	4-9/16	85200
8.40	.3307	87	3-27/64	121	4-3/4	85201
8.50	.3346	87	3-27/64	121	4-3/4	85202
8.60	.3386	87	3-27/64	121	4-3/4	85203
8.70	.3425	87	3-27/64	121	4-3/4	85204
8.80	.3465	89	3-1/2	124	4-7/8	85205
8.90	.3504	89	3-1/2	124	4-7/8	85206
9.00	.3543	89	3-1/2	124	4-7/8	85207
9.10	.3583	89	3-1/2	124	4-7/8	85208
9.20	.3622	92	3-5/8	127	5	85209
9.30	.3661	92	3-5/8	127	5	85210
9.40	.3701	92	3-5/8	127	5	85211
9.50	.3740	92	3-5/8	127	5	85212
9.60	.3780	95	3-3/4	130	5-1/8	85213
9.70	.3819	95	3-3/4	130	5-1/8	85214
9.80	.3898	95	3-3/4	130	5-1/8	85215
10.00	.3937	95	3-3/4	130	5-1/8	85216
10.50	.4134	98	3-55/64	133	5-1/4	85217
11.00	.4331	103	4-1/16	140	5-1/2	85218
11.50	.4528	106	4-7/32	143	5-5/8	85219
12.00	.4724	111	4-3/8	149	5-7/8	85220
12.50	.4921	114	4-1/2	152	6	85221
13.00	.5118	114	4-1/2	152	6	85222