

# Taper Shank Drills

Foret à queue conique

Broca con zanco cónico

**Morse Taper Shank — High Speed Steel  
118° Point — Treated (Black Oxide)**



## General Purpose

Recommended for production work in wide variety of materials. Black Oxide Surface Treatment increases wear resistance, reduces galling and chip welding, improves chip flow and increases drill lubricant retention. Standard series shanks furnished unless otherwise specified.

List No. 1302

**STANDARD PACKAGE** All sizes — 1 each

## Standard Morse Taper Shank Drills

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/8	1	.1250	1 7/8	5 1/8	10008
9/64	1	.1406	2 1/8	5 3/8	10009
5/32	1	.1562	2 1/8	5 3/8	10010
11/64	1	.1719	2 1/2	5 3/4	10011
3/16	1	.1875	2 1/2	5 3/4	10012
13/64	1	.2031	2 3/4	6	10013
7/32	1	.2188	2 3/4	6	10014
15/64	1	.2344	2 7/8	6 1/8	10015
1/4	1	.2500	2 7/8	6 1/8	10016
17/64	1	.2656	3	6 1/4	10017
9/32	1	.2812	3	6 1/4	10018
19/64	1	.2969	3 1/8	6 3/8	10019
5/16	1	.3125	3 1/8	6 3/8	10020
21/64	1	.3281	3 1/4	6 1/2	10021
11/32	1	.3438	3 1/4	6 1/2	10022
23/64	1	.3594	3 1/2	6 3/4	10023
3/8	1	.3750	3 1/2	6 3/4	10024
25/64	1	.3906	3 5/8	7	10025
13/32	1	.4062	3 5/8	7	10026
27/64	1	.4219	3 7/8	7 1/4	10027
7/16	1	.4375	3 7/8	7 1/4	10028
29/64	1	.4531	4 1/8	7 1/2	10029
15/32	1	.4688	4 1/8	7 1/2	10030
31/64	2	.4844	4 3/8	8 1/4	10031
1/2	2	.5000	4 3/8	8 1/4	10032
33/64	2	.5156	4 5/8	8 1/2	10033
17/32	2	.5312	4 5/8	8 1/2	10034
35/64	2	.5469	4 7/8	8 3/4	10035
9/16	2	.5625	4 7/8	8 3/4	10036
37/64	2	.5781	4 7/8	8 3/4	10037
19/32	2	.5938	4 7/8	8 3/4	10038
39/64	2	.6094	4 7/8	8 3/4	10039
5/8	2	.6250	4 7/8	8 3/4	10040
41/64	2	.6406	5 1/8	9	10041
21/32	2	.6562	5 1/8	9	10042
43/64	2	.6719	5 3/8	9 1/4	10043
11/16	2	.6875	5 3/8	9 1/4	10044
45/64	2	.7031	5 3/8	9 1/2	10045
23/32	2	.7188	5 3/8	9 1/2	10046
47/64	2	.7344	5 7/8	9 3/4	10047
3/4	2	.7500	5 7/8	9 3/4	10048
49/64	2	.7656	6	9 7/8	10049
25/32	2	.7812	6	9 7/8	10050
51/64	3	.7969	6 1/8	10 3/4	10051
13/16	3	.8125	6 1/8	10 3/4	10052

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
53/64	3	.8281	6 1/8	10 3/4	10053
27/32	3	.8438	6 1/8	10 3/4	10054
55/64	3	.8594	6 1/8	10 3/4	10055
7/8	3	.8750	6 1/8	10 3/4	10056
57/64	3	.8906	6 1/8	10 3/4	10057
29/32	3	.9062	6 1/8	10 3/4	10058
59/64	3	.9219	6 1/8	10 3/4	10059
15/16	3	.9375	6 1/8	10 3/4	10060
61/64	3	.9531	6 3/8	11	10061
31/32	3	.9688	6 3/8	11	10062
63/64	3	.9844	6 3/8	11	10063
1	3	1.0000	6 3/8	11	10064
1 1/64	3	1.0156	6 1/2	11 1/8	10065
1 1/32	3	1.0312	6 1/2	11 1/8	10066
1 3/64	3	1.0469	6 5/8	11 1/4	10067
1 1/16	3	1.0625	6 5/8	11 1/4	10068
1 5/64	4	1.0781	6 7/8	12 1/2	10069
1 3/32	4	1.0938	6 7/8	12 1/2	10070
1 7/64	4	1.1094	7 1/8	12 3/4	10071
1 1/8	4	1.1250	7 1/8	12 3/4	10072
1 9/64	4	1.1406	7 1/4	12 7/8	10073
1 5/32	4	1.1562	7 1/4	12 7/8	10074
1 11/64	4	1.1719	7 3/8	13	10075
1 13/64	4	1.1875	7 3/8	13	10076
1 13/64	4	1.2031	7 1/2	13 1/8	10077
1 7/32	4	1.2188	7 1/2	13 1/8	10078
1 15/64	4	1.2344	7 7/8	13 1/2	10079
1 1/4	4	1.2500	7 7/8	13 1/2	10080
1 17/64	4	1.2656	8 1/2	14 1/8	10081
1 9/32	4	1.2812	8 1/2	14 1/8	10082
1 19/64	4	1.2969	8 5/8	14 1/4	10083
1 5/16	4	1.3125	8 5/8	14 1/4	10084
1 21/64	4	1.3281	8 3/4	14 3/8	10085
1 11/32	4	1.3438	8 3/4	14 3/8	10086
1 23/64	4	1.3594	8 7/8	14 1/2	10087
1 3/8	4	1.3750	8 7/8	14 1/2	10088
1 25/64	4	1.3906	9	14 5/8	10089
1 13/32	4	1.4062	9	14 5/8	10090
1 27/64	4	1.4219	9 1/8	14 3/4	10091
1 7/16	4	1.4375	9 1/8	14 3/4	10092
1 29/64	4	1.4531	9 1/4	14 7/8	10093
1 15/32	4	1.4688	9 1/4	14 7/8	10094
1 31/64	4	1.4844	9 3/8	15	10095
1 1/2	4	1.5000	9 3/8	15	10096
1 17/32	5	1.5312	9 3/8	16 3/8	10097

(continued)



# Cobalt Heavy Duty Taper Shank Drills

Morse Taper Shank – Cobalt  
135° Notched Point

Heavy duty construction. 135° notched point for reduced thrust. Cobalt steel offers increased hardness, toughness, wear resistance and heat resistance. Recommended for drilling tough, high tensile strength materials and materials that generate higher cutting temperatures including high alloy steels, ferrous castings, titanium, inconel, stainless steels and other difficult-to-drill materials.

Foret au cobalt

Broca de cobalto



List No. 2302

**STANDARD PACKAGE** All sizes — 1 each

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/4	1	.2500	2 7/8	6 1/8	17001
9/32	1	.2812	3	6 1/4	17002
5/16	1	.3125	3 1/8	6 3/8	17003
1 1/32	1	.3438	3 1/4	6 1/2	17004
3/8	2	.3750	3 1/2	7 3/8	17005
13/32	2	.4062	3 5/8	7 1/2	17006
7/16	2	.4375	3 7/8	7 3/4	17007
15/32	2	.4688	4 1/8	8	17008
1/2	2	.5000	4 3/8	8 1/4	17009
17/32	2	.5312	4 5/8	8 1/2	17010
9/16	2	.5625	4 7/8	8 3/4	17011
19/32	2	.5938	4 7/8	8 3/4	17012
5/8	2	.6250	4 7/8	8 3/4	17013
21/32	3	.6562	5 1/8	9 3/4	17014

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1 1/16	3	.6875	5 3/8	10	17015
23/32	3	.7188	5 5/8	10 1/4	17016
3/4	3	.7500	5 7/8	10 1/2	17017
25/32	3	.7812	6	10 5/8	17018
13/16	3	.8125	6 1/8	10 3/4	17019
7/8	3	.8750	6 1/8	10 3/4	17020
15/16	3	.9375	6 1/8	10 3/4	17021
1	3	1.0000	6 3/8	11	17022
1 1/16	4	1.0625	6 5/8	12 1/4	17023
1 1/8	4	1.1250	7 1/8	12 3/4	17024
1 3/16	4	1.1875	7 3/8	13	17025
1 1/4	4	1.2500	7 7/8	13 1/2	17026

# Nu-Clear Chipbreaker Taper Shank Drills

Morse Taper Shank — High Speed Steel  
118° Point — Treated (Black Oxide)

Designed to eliminate the hazards and production restrictions caused by stringy chips by curling and breaking up the chips in most materials. Modified flute geometry does not require web thinning, when re-sharpening, for the entire functional flute life of the drill.

Foret à queue conique

Broca con zanco cónico



List No. 1309

**STANDARD PACKAGE** All sizes — 1 each

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
33/64	2	.5156	4 5/8	8 1/2	10433*
35/64	2	.5469	4 7/8	8 3/4	10435*
9/16	2	.5625	4 7/8	8 3/4	10436*
19/32	2	.5938	4 7/8	8 3/4	10438*
43/64	2	.6719	5 3/8	9 1/4	10443*
11/16	2	.6875	5 3/8	9 1/4	10444*
3/4	2	.7500	5 7/8	9 3/4	10448*
27/32	3	.8438	6 1/8	10 3/4	10451*
7/8	3	.8750	6 1/8	10 3/4	10452*
29/32	3	.9062	6 1/8	10 3/4	10453*

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
15/16	3	.9375	6 1/8	10 3/4	10454*
1 1/8	4	1.1250	7 1/8	12 3/4	10458*
1 1/4	4	1.2500	7 7/8	13 1/2	10460*
15/16	4	1.3125	8 5/8	14 1/4	10461*
1 7/16	4	1.4375	9 1/8	14 3/4	10463*
1 1/2	4	1.5000	9 3/8	15	10464*
1 9/16	5	1.5625	9 5/8	16 5/8	10465*
1 5/8	5	1.6250	10	17	10466*
2	5	2.0000	10 3/8	17 3/8	10472*

\* Available While Supplies Last

# Coolant Hole Drills Taper Shank

Morse Taper Shank — High Speed Steel  
118° Notched Point — Treated (Black Oxide)

Heavy duty construction. Coolant fed to the drill point reduces friction and heat, enhances chip ejection, permits higher feed rates and extends tool life. Recommended for all production work, especially deep hole drilling, in a wide variety of materials.

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/2	3	.5000	4 3/8	9	16361*
9/16	3	.5625	4 7/8	9 1/2	16363*
19/32	3	.5938	4 7/8	9 1/2	16364*
11/16	3	.6875	5 3/8	10	16367*
23/32	3	.7188	5 5/8	10 1/4	16368*
27/32	3	.8438	6 1/8	10 3/4	16372*
7/8	3	.8750	6 1/8	10 3/4	16373*
29/32	3	.9062	6 1/8	10 3/4	16374*
31/32	3	.9688	6 3/8	11	16376*
1	3	1.0000	6 3/8	11	16377*

\* Available While Supplies Last

Foret à trou de refroidissement  
Broca con orificios de refrigeración



List No. 1480

STANDARD PACKAGE All sizes — 1 each

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1 3/32	4	1.0938	6 7/8	12 1/2	16380*
1 1/8	4	1.1250	7 1/8	12 3/4	16381*
1 5/32	4	1.1562	7 1/4	12 7/8	16382*
1 3/16	4	1.1875	7 3/8	13	16383*
1 1/4	4	1.2500	7 7/8	13 1/2	16385*
1 9/32	4	1.2812	8 1/2	14 1/8	16386*
1 5/16	4	1.3125	8 5/8	14 1/4	16387*
1 11/32	4	1.3438	8 3/4	14 3/8	16388*
1 3/8	4	1.3750	8 7/8	14 1/2	16389*
1 13/32	4	1.4062	9	14 5/8	16390*
1 7/16	4	1.4375	9 1/8	14 3/4	16391*
1 15/32	4	1.4688	9 1/4	14 7/8	16392*
1 1/2	4	1.5000	9 3/8	15	16393*

# Core Drills Taper Shank

Morse Taper Shank — High Speed Steel  
118° Point — Treated (Black Oxide)

Used to enlarge a hole previously drilled, cored, or punched. Will not drill solid material. Original hole must be at least 60% of the core drill size.

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/2	2	.5000	4 3/8	8 1/4	16076
17/32	2	.5312	4 5/8	8 1/2	16077
9/16	2	.5625	4 7/8	8 3/4	16078
19/32	2	.5938	4 7/8	8 3/4	16079
5/8	2	.6250	4 7/8	8 3/4	16080
21/32	2	.6562	5 1/8	9	16081
11/16	2	.6875	5 3/8	9 1/4	16082
23/32	2	.7188	5 5/8	9 1/2	16083
3/4	2	.7500	5 7/8	9 3/4	16084
25/32	2	.7812	6	9 7/8	16085
13/16	3	.8125	6 1/8	10 3/4	16086
27/32	3	.8438	6 1/8	10 3/4	16087
7/8	3	.8750	6 1/8	10 3/4	16088
29/32	3	.9062	6 1/8	10 3/4	16089
15/16	3	.9375	6 1/8	10 3/4	16090
31/32	3	.9688	6 3/8	11	16091
1	3	1.0000	6 3/8	11	16092
1 1/32	3	1.0312	6 1/2	11 1/8	16093
1 1/16	3	1.0625	6 5/8	11 1/4	16094

\* Available While Supplies Last

Foret aléseur

Broca sacanúcleos



List No. 1454 — 4 Flute

STANDARD PACKAGE All sizes — 1 each

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1 3/32	4	1.0938	6 7/8	12 1/2	16095
1 1/8	4	1.1250	7 1/8	12 3/4	16096
1 5/32	4	1.1562	7 1/4	12 7/8	16097
1 3/16	4	1.1875	7 3/8	13	16098
1 7/32	4	1.2188	7 1/2	13 1/8	16099
1 1/4	4	1.2500	7 7/8	13 1/2	16100
1 9/32	4	1.2812	8 1/2	14 1/8	16101
1 5/16	4	1.3125	8 5/8	14 1/4	16102
1 3/8	4	1.3750	8 7/8	14 1/2	16104
1 13/32	4	1.4062	9	14 5/8	16105*
1 15/32	4	1.4688	9 1/4	14 7/8	16107
1 1/2	4	1.5000	9 3/8	15	16108
1 17/32	5	1.5312	9 3/8	16 3/8	16109
1 9/16	5	1.5625	9 5/8	16 5/8	16110
1 21/32	5	1.6562	10 1/8	17 1/8	16113*
1 11/16	5	1.6875	10 1/8	17 1/8	16114*
1 23/32	5	1.7188	10 3/8	17 1/8	16115*
1 3/4	5	1.7500	10 3/8	17 1/8	16116

# Carbide Tipped Taper Shank Drills

Morse Taper Shank - 118° Point

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/4	1	.2500	2 7/8	6 1/8	50109*
17/64	1	.2656	3	6 1/4	50110*
9/32	1	.2812	3	6 1/4	50111*
19/64	1	.2969	3 1/8	6 3/8	50112*
5/16	1	.3125	3 1/8	6 3/8	50113
21/64	1	.3281	3 1/4	6 1/2	50114
11/32	1	.3438	3 1/4	6 1/2	50115
23/64	1	.3594	3 1/2	6 3/4	50116*
3/8	1	.3750	3 1/2	6 3/4	50117
25/64	1	.3906	3 5/8	7	50118*
13/32	1	.4062	3 5/8	7	50119
27/64	1	.4219	3 3/8	7 1/4	50120
7/16	1	.4375	3 3/8	7 1/4	50121
29/64	1	.4531	4 1/8	7 1/2	50122*
15/32	1	.4688	4 1/8	7 1/2	50123
1/2	2	.5000	4 3/8	8 1/4	50125
33/64	2	.5156	4 3/8	8 1/2	50126
17/32	2	.5312	4 3/8	8 1/2	50127
35/64	2	.5469	4 7/8	8 3/4	50128*
9/16	2	.5625	4 7/8	8 3/4	50129
37/64	2	.5781	4 7/8	8 3/4	50130
19/32	2	.5938	4 7/8	8 3/4	50131
39/64	2	.6094	4 7/8	8 3/4	50132*

\*Available While Supplies Last

# Carbide Tipped Core Drills Taper Shank

Morse Taper Shank

Used to enlarge a hole previously drilled, cored or punched in cast iron and other abrasive non-ferrous materials.

SIZE	MORSE TAPER NO.	DEC. EQUIV.	LENGTH OF CARBIDE TIP	FLUTE LENGTH	OAL	EDP NO.
1/2	2	.5000	3/4	4 3/8	8 1/4	53032*
17/32	2	.5312	3/4	4 3/8	8 1/4	53034*
9/16	2	.5625	3/4	4 3/8	8 1/4	53036*
19/32	2	.5938	3/4	4 3/8	8 1/4	53038*
5/8	2	.6250	3/4	4 3/8	8 1/4	53040*
21/32	2	.6562	3/4	4 3/8	8 1/4	53042*
3/4	2	.7500	7/8	4 3/8	8 1/4	53048*
7/8	3	.8750	7/8	4 7/8	9 1/2	53056*
29/32	3	.9062	7/8	4 7/8	9 1/2	53058*
31/32	3	.9688	7/8	4 7/8	9 1/2	53062*
1	3	1.0000	7/8	4 7/8	9 1/2	53064*
1 1/32	3	1.0312	7/8	4 7/8	9 1/2	53102*
1 3/32	4	1.0938	1	4 7/8	10 1/2	53106*
1 5/32	4	1.1562	1	4 7/8	10 1/2	53110*
1 7/32	4	1.2188	1	4 7/8	10 1/2	53114*
1 1/4	4	1.2500	1	4 7/8	10 1/2	53116*
1 9/32	4	1.2812	1	4 7/8	10 1/2	53118*
1 5/16	4	1.3125	1	4 7/8	10 1/2	53120*
1 11/32	4	1.3438	1	4 7/8	10 1/2	53122*
1 3/8	4	1.3750	1	4 7/8	10 1/2	53124*
1 13/32	4	1.4062	1	4 7/8	10 1/2	53126*
1 15/32	4	1.4688	1	4 7/8	10 1/2	53130*

\*Available While Supplies Last

Foret à pointe au carbure

Broca con punta de carburo



List No. 5302

NOT FOR USE IN STEEL.

Excellent wear resistance. Recommended for drilling cast iron, non-ferrous metals, composites, hard plastics, fiberglass and other abrasive non-ferrous materials.

SIZE	MORSE TAPER NO.	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
5/8	2	.6250	4 7/8	8 3/4	50133
21/32	2	.6562	5 1/8	9	50135
43/64	2	.6719	5 3/8	9 1/4	50136*
11/16	2	.6875	5 3/8	9 1/4	50137
23/32	2	.7188	5 5/8	9 1/2	50139
3/4	2	.7500	5 7/8	9 3/4	50141
25/32	2	.7812	6	9 7/8	50143
51/64	3	.7969	6 1/8	10 3/4	50144*
13/16	3	.8125	6 1/8	10 3/4	50145
53/64	3	.8281	6 1/8	10 3/4	50146*
27/32	3	.8438	6 1/8	10 3/4	50147
55/64	3	.8594	6 1/8	10 3/4	50148*
7/8	3	.8750	6 1/8	10 3/4	50149
29/32	3	.9062	6 1/8	10 3/4	50151
15/16	3	.9375	6 1/8	10 3/4	50153
31/32	3	.9688	6 3/8	11	50155
63/64	3	.9844	6 3/8	11	50156*
1	3	1.0000	6 3/8	11	50157
1 1/16	3	1.0625	6 5/8	11 1/4	50159
1 1/8	4	1.1250	7 1/8	12 3/4	50161
1 3/16	4	1.1875	7 3/8	13	50163*
1 1/4	4	1.2500	7 7/8	13 1/2	50165

Foret à pointe au carbure

Broca con punta de carburo



List No. 5454 — 4 Flute

NOT FOR USE IN STEEL

Will not drill solid material. Original hole must be at least 70% of the core drill size.