

1/2" SHANK DRILLS

Expands the size range capacity of a 1/2" portable drill chuck. Common flute and overall length for minimal adjustment during tool changes. Precision ground for a high degree of concentricity between shank and body diameter. Ideal for drilling low and medium tensile strength materials.

1000A / 1000F SERIES

HIGH SPEED STEEL

118° / 1/2" Reduced Shank

3-Flats on 1000F

Fractional / Bright & Black



1000A



1000F - 3-Flat Shank

Size	Flute Length	Overall Length	1000A Order No.	1000F Order No.
33/64"	3"	6"	1000A133	1000F133
17/32"	3"	6"	1000A134	1000F134
35/64"	3"	6"	1000A135	1000F135
9/16"	3"	6"	1000A136	1000F136
37/64"	3"	6"	1000A137	1000F137
19/32"	3"	6"	1000A138	1000F138
39/64"	3"	6"	1000A139	1000F139
5/8"	3"	6"	1000A140	1000F140
41/64"	3"	6"	1000A141	1000F141
21/32"	3"	6"	1000A142	1000F142
43/64"	3"	6"	1000A143	1000F143
11/16"	3"	6"	1000A144	1000F144
45/64"	3"	6"	1000A145	1000F145
23/32"	3"	6"	1000A146	1000F146
47/64"	3"	6"	1000A147	1000F147
3/4"	3"	6"	1000A148	1000F148
49/64"	3"	6"	1000A149	1000F149
25/32"	3"	6"	1000A150	1000F150
51/64"	3"	6"	1000A151	1000F151
13/16"	3"	6"	1000A152	1000F152
53/64"	3"	6"	1000A153	1000F153
27/32"	3"	6"	1000A154	1000F154
55/64"	3"	6"	1000A155	1000F155
7/8"	3"	6"	1000A156	1000F156
57/64"	3"	6"	1000A157	1000F157
29/32"	3"	6"	1000A158	1000F158
59/64"	3"	6"	1000A159	1000F159

Size	Flute Length	Overall Length	1000A Order No.	1000F Order No.
15/16"	3"	6"	1000A160	1000F160
61/64"	3"	6"	1000A161	1000F161
31/32"	3"	6"	1000A162	1000F162
63/64"	3"	6"	1000A163	1000F163
1"	3"	6"	1000A164	1000F164
1-1/64"	3"	6"	1000A201	-
1-1/32"	3"	6"	1000A202	1000F202
1-3/64"	3"	6"	1000A203	-
1-1/16"	3"	6"	1000A204	1000F204
1-5/64"	3"	6"	1000A205	-
1-3/32"	3"	6"	1000A206	1000F206
1-7/64"	3"	6"	1000A207	-
1-1/8"	3"	6"	1000A208	1000F208
1-9/64"	3"	6"	1000A209	-
1-5/32"	3"	6"	1000A210	1000F210
1-11/64"	3"	6"	1000A211	-
1-3/16"	3"	6"	1000A212	1000F212
1-13/64"	3"	6"	1000A213	-
1-7/32"	3"	6"	1000A214	1000F214
1-15/64"	3"	6"	1000A215	-
1-1/4"	3"	6"	1000A216	1000F216
1-9/32"	3"	6"	1000A218	-
1-5/16"	3"	6"	1000A220	1000F220
1-3/8"	3"	6"	1000A224	1000F224
1-7/16"	3"	6"	1000A228	1000F228
1-1/2"	3"	6"	1000A232	1000F232

1 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000A Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000A5
8	9/16" - 1" by 16 ^{ths}	1000A8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000A32

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000F Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000F5
8	9/16" - 1" by 16 ^{ths}	1000F8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000F32



1000A8

**S&D
1/2" SHANK DRILLS**

1000E SERIES

HIGH SPEED STEEL

118° Split Point / 3-Flats, Reduced Shank
Fractional / Bright & Black



1000E

Size	Flute Length	Overall Length	1000E Order No.
33/64"	3"	6"	1000E133
17/32"	3"	6"	1000E134
35/64"	3"	6"	1000E135
9/16"	3"	6"	1000E136
37/64"	3"	6"	1000E137
19/32"	3"	6"	1000E138
39/64"	3"	6"	1000E139
5/8"	3"	6"	1000E140
41/64"	3"	6"	1000E141
21/32"	3"	6"	1000E142
43/64"	3"	6"	1000E143
11/16"	3"	6"	1000E144
45/64"	3"	6"	1000E145
23/32"	3"	6"	1000E146
47/64"	3"	6"	1000E147
3/4"	3"	6"	1000E148
49/64"	3"	6"	1000E149
25/32"	3"	6"	1000E150
51/64"	3"	6"	1000E151
13/16"	3"	6"	1000E152
53/64"	3"	6"	1000E153
27/32"	3"	6"	1000E154
55/64"	3"	6"	1000E155
7/8"	3"	6"	1000E156
57/64"	3"	6"	1000E157
29/32"	3"	6"	1000E158
59/64"	3"	6"	1000E159
15/16"	3"	6"	1000E160
61/64"	3"	6"	1000E161
31/32"	3"	6"	1000E162
63/64"	3"	6"	1000E163
1"	3"	6"	1000E164

Size	Flute Length	Overall Length	1000E Order No.
1-1/64"	3"	6"	1000E201
1-1/32"	3"	6"	1000E202
1-3/64"	3"	6"	1000E203
1-1/16"	3"	6"	1000E204
1-5/64"	3"	6"	1000E205
1-3/32"	3"	6"	1000E206
1-7/64"	3"	6"	1000E207
1-1/8"	3"	6"	1000E208
1-9/64"	3"	6"	1000E209
1-5/32"	3"	6"	1000E210
1-11/64"	3"	6"	1000E211
1-3/16"	3"	6"	1000E212
1-13/64"	3"	6"	1000E213
1-7/32"	3"	6"	1000E214
1-15/64"	3"	6"	1000E215
1-1/4"	3"	6"	1000E216
1-17/64"	3"	6"	1000E217
1-9/32"	3"	6"	1000E218
1-19/64"	3"	6"	1000E219
1-5/16"	3"	6"	1000E220
1-21/64"	3"	6"	1000E221
1-11/32"	3"	6"	1000E222
1-23/64"	3"	6"	1000E223
1-3/8"	3"	6"	1000E224
1-25/64"	3"	6"	1000E225
1-13/32"	3"	6"	1000E226
1-27/64"	3"	6"	1000E227
1-7/16"	3"	6"	1000E228
1-29/64"	3"	6"	1000E229
1-15/32"	3"	6"	1000E230
1-31/64"	3"	6"	1000E231
1-1/2"	3"	6"	1000E232

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000E Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000E5
8	9/16" - 1" by 16 ^{ths}	1000E8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000E32



1000E8

S&D 1/2" SHANK DRILLS



Nitro® drills offer superior performance over conventional HSS drills. 118° Split Point reduces walking at the drill point and makes these drills ideal for both hand held and CNC Operations.

- ▷ Their heavy-duty construction increases tool life and performance
- ▷ Black & Gold surface treatment for maximum lubricity
- ▷ Usable in a wide range of materials including difficult to machine materials such as stainless steel
- ▷ S&D drills expand the size range capacity of a 1/2" portable drill chuck
- ▷ All sizes are individually packaged

1000N SERIES

HIGH SPEED STEEL

118° Split Point / 1/2" Reduced Shank / 3-Flat Shank
Fractional / Black Oxide



1000N

Size	Flute Length	Overall Length	1000N Order No.
33/64"	3"	6"	1000N133
17/32"	3"	6"	1000N134
35/64"	3"	6"	1000N135
9/16"	3"	6"	1000N136
37/64"	3"	6"	1000N137
19/32"	3"	6"	1000N138
39/64"	3"	6"	1000N139
5/8"	3"	6"	1000N140
41/64"	3"	6"	1000N141
21/32"	3"	6"	1000N142
43/64"	3"	6"	1000N143
11/16"	3"	6"	1000N144
45/64"	3"	6"	1000N145
23/32"	3"	6"	1000N146
47/64"	3"	6"	1000N147
3/4"	3"	6"	1000N148

Size	Flute Length	Overall Length	1000N Order No.
49/64"	3"	6"	1000N149
25/32"	3"	6"	1000N150
51/64"	3"	6"	1000N151
13/16"	3"	6"	1000N152
53/64"	3"	6"	1000N153
27/32"	3"	6"	1000N154
55/64"	3"	6"	1000N155
7/8"	3"	6"	1000N156
57/64"	3"	6"	1000N157
29/32"	3"	6"	1000N158
59/64"	3"	6"	1000N159
15/16"	3"	6"	1000N160
61/64"	3"	6"	1000N161
31/32"	3"	6"	1000N162
63/64"	3"	6"	1000N163
1"	3"	6"	1000N164

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000N Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000N5
8	9/16" - 1" by 16 ^{ths}	1000N8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000N32



1000N32

S&D
1/2" SHANK DRILLS

General purpose flute design. All sizes have a 1/2" by 2-1/4" long shank. The maximum overall length is 6" and the flute length is 3". This makes them short drills in the larger sizes and thus well suited to use in portable electric drills equipped with 1/2" chucks. They are highly effective in tough, high tensile strength materials. The 135° split point reduces thrust and eliminates walking at the drill point.

▷ All sizes are individually packaged

1000EF SERIES

HIGH SPEED STEEL

135° Split Point / 3-Flats, Reduced Shank
Fractional / Black & Gold



1000EF

Size	Flute Length	Overall Length	1000EF Order No.
33/64"	3"	6"	1000EF133
17/32"	3"	6"	1000EF134
35/64"	3"	6"	1000EF135
9/16"	3"	6"	1000EF136
37/64"	3"	6"	1000EF137
19/32"	3"	6"	1000EF138
39/64"	3"	6"	1000EF139
5/8"	3"	6"	1000EF140
41/64"	3"	6"	1000EF141
21/32"	3"	6"	1000EF142
43/64"	3"	6"	1000EF143
11/16"	3"	6"	1000EF144
45/64"	3"	6"	1000EF145
23/32"	3"	6"	1000EF146
47/64"	3"	6"	1000EF147
3/4"	3"	6"	1000EF148
49/64"	3"	6"	1000EF149
25/32"	3"	6"	1000EF150
51/64"	3"	6"	1000EF151
13/16"	3"	6"	1000EF152
53/64"	3"	6"	1000EF153
27/32"	3"	6"	1000EF154
55/64"	3"	6"	1000EF155
7/8"	3"	6"	1000EF156

Size	Flute Length	Overall Length	1000EF Order No.
57/64"	3"	6"	1000EF157
29/32"	3"	6"	1000EF158
59/64"	3"	6"	1000EF159
15/16"	3"	6"	1000EF160
61/64"	3"	6"	1000EF161
31/32"	3"	6"	1000EF162
63/64"	3"	6"	1000EF163
1"	3"	6"	1000EF164
1-1/32"	3"	6"	1000EF202
1-1/16"	3"	6"	1000EF204
1-3/32"	3"	6"	1000EF206
1-1/8"	3"	6"	1000EF208
1-5/32"	3"	6"	1000EF210
1-3/16"	3"	6"	1000EF212
1-7/32"	3"	6"	1000EF214
1-1/4"	3"	6"	1000EF216
1-9/32"	3"	6"	1000EF218
1-5/16"	3"	6"	1000EF220
1-11/32"	3"	6"	1000EF222
1-3/8"	3"	6"	1000EF224
1-13/32"	3"	6"	1000EF226
1-7/16"	3"	6"	1000EF228
1-15/32"	3"	6"	1000EF230
1-1/2"	3"	6"	1000EF232

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000EF Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000EF5
8	9/16" - 1" by 16 ^{ths}	1000EF8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000EF32



1000EF8

S&D REDUCED SHANK DRILLS

S&D drills expand the size range capacity of a 1/2" drill chuck. By including a split-point and a 3-flats option, this style of drill is ideal for hand held drilling operations. The split-point reduces walking and the 3-flats keep the tool from rotating in the chuck.

- ▷ 1/2" reduced shank is ideal for hand held power tools
- ▷ Incorporating a reduced shank increases drilling diameter range
- ▷ Split-Point eliminates walking at the drill point
- ▷ Cobalt drills offer speeds and feeds of up to 30% faster than HSS drills
- ▷ All sizes are individually packaged

1000C SERIES

COBALT

118° Split Point / Reduced Shank
Fractional / Black & Gold



1000C

Size	Flute Length	Overall Length	1000C Order No.
33/64"	3"	6"	1000C133
17/32"	3"	6"	1000C134
35/64"	3"	6"	1000C135
9/16"	3"	6"	1000C136
37/64"	3"	6"	1000C137
19/32"	3"	6"	1000C138
39/64"	3"	6"	1000C139
5/8"	3"	6"	1000C140
41/64"	3"	6"	1000C141
21/32"	3"	6"	1000C142
43/64"	3"	6"	1000C143
11/16"	3"	6"	1000C144
45/64"	3"	6"	1000C145
23/32"	3"	6"	1000C146
47/64"	3"	6"	1000C147
3/4"	3"	6"	1000C148

Size	Flute Length	Overall Length	1000C Order No.
49/64"	3"	6"	1000C149
25/32"	3"	6"	1000C150
51/64"	3"	6"	1000C151
13/16"	3"	6"	1000C152
53/64"	3"	6"	1000C153
27/32"	3"	6"	1000C154
55/64"	3"	6"	1000C155
7/8"	3"	6"	1000C156
57/64"	3"	6"	1000C157
29/32"	3"	6"	1000C158
59/64"	3"	6"	1000C159
15/16"	3"	6"	1000C160
61/64"	3"	6"	1000C161
31/32"	3"	6"	1000C162
63/64"	3"	6"	1000C163
1"	3"	6"	1000C164

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000C Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000C5
8	9/16" - 1" by 16 ^{ths}	1000C8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000C32



1000C8

REDUCED SHANK S&D DRILL

Expands the size range capacity of a 1/2" portable drill chuck. Common flute and overall length for minimal adjustment during tool changes. Precision ground for high degree of concentricity between shank and body diameter. Ideal for drilling in tough, high tensile strength materials. The 135° split point reduces thrust and eliminates walking at the drill point.

▷ All sizes are individually packaged

1000EC SERIES

COBALT

135° Split Point / Reduced Shank
Fractional / Bronze



1000EC

Size	Flute Length	Overall Length	1000EC Order No.
33/64"	3"	6"	1000EC133
17/32"	3"	6"	1000EC134
35/64"	3"	6"	1000EC135
9/16"	3"	6"	1000EC136
37/64"	3"	6"	1000EC137
19/32"	3"	6"	1000EC138
39/64"	3"	6"	1000EC139
5/8"	3"	6"	1000EC140
41/64"	3"	6"	1000EC141
21/32"	3"	6"	1000EC142
43/64"	3"	6"	1000EC143
11/16"	3"	6"	1000EC144
45/64"	3"	6"	1000EC145
23/32"	3"	6"	1000EC146
47/64"	3"	6"	1000EC147
3/4"	3"	6"	1000EC148
49/64"	3"	6"	1000EC149
25/32"	3"	6"	1000EC150
51/64"	3"	6"	1000EC151
13/16"	3"	6"	1000EC152
53/64"	3"	6"	1000EC153
27/32"	3"	6"	1000EC154
55/64"	3"	6"	1000EC155
7/8"	3"	6"	1000EC156

Size	Flute Length	Overall Length	1000EC Order No.
57/64"	3"	6"	1000EC157
29/32"	3"	6"	1000EC158
59/64"	3"	6"	1000EC159
15/16"	3"	6"	1000EC160
61/64"	3"	6"	1000EC161
31/32"	3"	6"	1000EC162
63/64"	3"	6"	1000EC163
1"	3"	6"	1000EC164
1-1/32"	3"	6"	1000EC202
1-1/16"	3"	6"	1000EC204
1-3/32"	3"	6"	1000EC206
1-1/8"	3"	6"	1000EC208
1-5/32"	3"	6"	1000EC210
1-3/16"	3"	6"	1000EC212
1-7/32"	3"	6"	1000EC214
1-1/4"	3"	6"	1000EC216
1-9/32"	3"	6"	1000EC218
1-5/16"	3"	6"	1000EC220
1-11/32"	3"	6"	1000EC222
1-3/8"	3"	6"	1000EC224
1-13/32"	3"	6"	1000EC226
1-7/16"	3"	6"	1000EC228
1-15/32"	3"	6"	1000EC230
1-1/2"	3"	6"	1000EC232

Corresponding Sets		
No. of Pcs.	Description	Order No.
1000EC Series 1/2" Shank S&D Drill Sets		
5	9/16" - 1" by 8 ^{ths}	1000EC5
8	9/16" - 1" by 16 ^{ths}	1000EC8
32	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000EC32



1000EC5

1/2" & 3/8" REDUCED SHANK DRILLS SETS



1000A8



1000N32

No. of Pieces	Brand	Material	Coating/Finish	Point Angle	Description	Order No.
1000EC Series 1/2" Shank S&D Drill Sets						
5	–	Cobalt	Bronze	135°	9/16" - 1" by 8 ^{ths}	1000EC5
8	–	Cobalt	Bronze	135°	9/16" - 1" by 16 ^{ths}	1000EC8
32	–	Cobalt	Bronze	135°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000CE32
1000EF Series 1/2" Shank S&D Drill Sets						
5	–	High Speed Steel	Black & Gold	135°	9/16" - 1" by 8 ^{ths}	1000EF5
8	–	High Speed Steel	Black & Gold	135°	9/16" - 1" by 16 ^{ths}	1000EF8
32	–	High Speed Steel	Black & Gold	135°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000EF32
1000E Series 1/2" Shank S&D Drill Sets						
5	–	High Speed Steel	Bright & Black	118°	9/16" - 1" by 8 ^{ths}	1000E5
8	–	High Speed Steel	Bright & Black	118°	9/16" - 1" by 16 ^{ths}	1000E8
32	–	High Speed Steel	Bright & Black	118°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000E32
1035N & 1045N Series 3/8" Reduced Shank Drill Sets						
15	Nitro®	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 32 ^{nds}	1035N15
29	Nitro®	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 64 ^{ths}	1035N29
15	Nitro®	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 32 ^{nds}	1045N15
29	Nitro®	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 64 ^{ths}	1045N29

No. of Pieces	Brand	Material	Coating/Finish	Point Angle	Description	Order No.
1000N Series 1/2" Shank S&D Drill Sets						
5	Nitro®	High Speed Steel	Black & Gold	118°	9/16" - 1" by 8 ^{ths}	1000N5
8	Nitro®	High Speed Steel	Black & Gold	118°	9/16" - 1" by 16 ^{ths}	1000N8
32	Nitro®	High Speed Steel	Black & Gold	118°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000N32
1000 Series 1/2" Shank S&D Drill Sets						
5	USA	High Speed Steel	Bright & Black	118°	9/16" - 1" by 8 ^{ths}	1000A5
8	USA	High Speed Steel	Bright & Black	118°	9/16" - 1" by 16 ^{ths}	1000A8
32	USA	High Speed Steel	Bright & Black	118°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000A32
1000C Series 1/2" Shank S&D Drill Sets						
5	USA	Cobalt	Black & Gold	118°	9/16" - 1" by 8 ^{ths}	1000C5
8	USA	Cobalt	Black & Gold	118°	9/16" - 1" by 16 ^{ths}	1000C8
32	USA	Cobalt	Black & Gold	118°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000C32
1000F Series 1/2" Shank S&D Drill Set						
5	USA	High Speed Steel	Bright & Black	118°	9/16" - 1" by 8 ^{ths}	1000F5
8	USA	High Speed Steel	Bright & Black	118°	9/16" - 1" by 16 ^{ths}	1000F8
32	USA	High Speed Steel	Bright & Black	118°	STAND 1/2" - 1" by 64 ^{ths} W/DRILLS	1000F32