

JOBBER LENGTH GENERAL PURPOSE DRILLS

Designed for general purpose drilling under a wide range of drilling condition. It can drill various materials such as cast iron, steel, and steel forging. The surface treatment prevents chip welding, improves chip flow and increases abrasion resistance.

- ▷ 118° Point designed for general use
- ▷ A general purpose jobber for a wide range of applications
- ▷ Black oxide finish improves chip flow and increases abrasion resistance
- ▷ Bright finish recommended for aluminum and other non-ferrous materials
- ▷ Available in bulk packaging

200A SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank
Fractional / Black Oxide



200A - Black Oxide

Size	Flute Length	Overall Length	200A Order No.
1/64"	3/16"	3/4"	200A101
1/32"	1/2"	1-3/8"	200A102
3/64"	3/4"	1-3/4"	200A103
1/16"	7/8"	1-7/8"	200A104
5/64"	1"	2"	200A105
3/32"	1-1/4"	2-1/4"	200A106
7/64"	1-1/2"	2-5/8"	200A107
1/8"	1-5/8"	2-3/4"	200A108
9/64"	1-3/4"	2-7/8"	200A109
5/32"	2"	3-1/8"	200A110
11/64"	2-1/8"	3-1/4"	200A111
3/16"	2-5/16"	3-1/2"	200A112
13/64"	2-7/16"	3-5/8"	200A113
7/32"	2-1/2"	3-3/4"	200A114
15/64"	2-5/8"	3-7/8"	200A115
1/4"	2-3/4"	4"	200A116
17/64"	2-7/8"	4-1/8"	200A117
9/32"	2-15/16"	4-1/4"	200A118
19/64"	3-1/16"	4-3/8"	200A119
5/16"	3-3/16"	4-1/2"	200A120
21/64"	3-5/16"	4-5/8"	200A121
11/32"	3-7/16"	4-3/4"	200A122
23/64"	3-1/2"	4-7/8"	200A123
3/8"	3-5/8"	5"	200A124
25/64"	3-3/4"	5-1/8"	200A125
13/32"	3-7/8"	5-1/4"	200A126
27/64"	3-15/16"	5-3/8"	200A127
7/16"	4-1/16"	5-1/2"	200A128
29/64"	4-3/16"	5-5/8"	200A129
15/32"	4-5/16"	5-3/4"	200A130
31/64"	4-3/8"	5-7/8"	200A131
1/2"	4-1/2"	6"	200A132

200B SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank
Fractional / Bright



200B - Bright

Size	Flute Length	Overall Length	200B Order No.
1/64"	3/16"	3/4"	200B101
1/32"	1/2"	1-3/8"	200B102
3/64"	3/4"	1-3/4"	200B103
1/16"	7/8"	1-7/8"	200B104
5/64"	1"	2"	200B105
3/32"	1-1/4"	2-1/4"	200B106
7/64"	1-1/2"	2-5/8"	200B107
1/8"	1-5/8"	2-3/4"	200B108
9/64"	1-3/4"	2-7/8"	200B109
5/32"	2"	3-1/8"	200B110
11/64"	2-1/8"	3-1/4"	200B111
3/16"	2-5/16"	3-1/2"	200B112
13/64"	2-7/16"	3-5/8"	200B113
7/32"	2-1/2"	3-3/4"	200B114
15/64"	2-5/8"	3-7/8"	200B115
1/4"	2-3/4"	4"	200B116
17/64"	2-7/8"	4-1/8"	200B117
9/32"	2-15/16"	4-1/4"	200B118
19/64"	3-1/16"	4-3/8"	200B119
5/16"	3-3/16"	4-1/2"	200B120
21/64"	3-5/16"	4-5/8"	200B121
11/32"	3-7/16"	4-3/4"	200B122
23/64"	3-1/2"	4-7/8"	200B123
3/8"	3-5/8"	5"	200B124
25/64"	3-3/4"	5-1/8"	200B125
13/32"	3-7/8"	5-1/4"	200B126
27/64"	3-15/16"	5-3/8"	200B127
7/16"	4-1/16"	5-1/2"	200B128
29/64"	4-3/16"	5-5/8"	200B129
15/32"	4-5/16"	5-3/4"	200B130
31/64"	4-3/8"	5-7/8"	200B131
1/2"	4-1/2"	6"	200B132

1/64" thru 19/64" - 12 per pack, 5/16" thru 1/2" - 6 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & O - Z	72

GENERAL PURPOSE JOBBER LENGTH DRILLS

240A SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank
Letter / Black Oxide



240A - Black Oxide

Size	Flute Length	Overall Length	240A Order No.
A	2-5/8"	3-7/8"	240A501
B	2-3/4"	4"	240A502
C	2-3/4"	4"	240A503
D	2-3/4"	4"	240A504
E	2-3/4"	4"	240A505
F	2-7/8"	4-1/8"	240A506
G	2-7/8"	4-1/8"	240A507
H	2-7/8"	4-1/8"	240A508
I	2-7/8"	4-1/8"	240A509
J	2-7/8"	4-1/8"	240A510
K	2-15/16"	4-1/4"	240A511
L	2-15/16"	4-1/4"	240A512
M	3-1/16"	4-3/8"	240A513
N	3-1/16"	4-3/8"	240A514
O	3-3/16"	4-1/2"	240A515
P	3-5/16"	4-5/8"	240A516
Q	3-7/16"	4-3/4"	240A517
R	3-7/16"	4-3/4"	240A518
S	3-1/2"	4-7/8"	240A519
T	3-1/2"	4-7/8"	240A520
U	3-5/8"	5"	240A521
V	3-5/8"	5"	240A522
W	3-3/4"	5-1/8"	240A523
X	3-3/4"	5-1/8"	240A524
Y	3-7/8"	5-1/4"	240A525
Z	3-7/8"	5-1/4"	240A526

240B SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank
Letter / Bright



240B - Bright

Size	Flute Length	Overall Length	240B Order No.
A	2-5/8"	3-7/8"	240B501
B	2-3/4"	4"	240B502
C	2-3/4"	4"	240B503
D	2-3/4"	4"	240B504
E	2-3/4"	4"	240B505
F	2-7/8"	4-1/8"	240B506
G	2-7/8"	4-1/8"	240B507
H	2-7/8"	4-1/8"	240B508
I	2-7/8"	4-1/8"	240B509
J	2-7/8"	4-1/8"	240B510
K	2-15/16"	4-1/4"	240B511
L	2-15/16"	4-1/4"	240B512
M	3-1/16"	4-3/8"	240B513
N	3-1/16"	4-3/8"	240B514
O	3-3/16"	4-1/2"	240B515
P	3-5/16"	4-5/8"	240B516
Q	3-7/16"	4-3/4"	240B517
R	3-7/16"	4-3/4"	240B518
S	3-1/2"	4-7/8"	240B519
T	3-1/2"	4-7/8"	240B520
U	3-5/8"	5"	240B521
V	3-5/8"	5"	240B522
W	3-3/4"	5-1/8"	240B523
X	3-3/4"	5-1/8"	240B524
Y	3-7/8"	5-1/4"	240B525
Z	3-7/8"	5-1/4"	240B526

"A" thru "L" - 12 per pack, "M" thru "Z" - 6 per pack

Corresponding Sets				
No. of Pcs.	Description	Order No.	Order No.	
200/240/280 & 200B/240B/280B Series Jobber Drill Sets				
13	1/16" - 1/4" by 64 ^{ths}	200A13	200B13	
15	1/16" - 1/2" by 32 ^{nds}	200A15	200B15	
19	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	200A19	200B19	
20	#61 - #80	200A20	-	
21	1/16" - 3/8" by 64 ^{ths}	200A21	200B21	
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	200A21V	200B21V	
26	A - Z	200A26	200B26	
29	1/16" - 1/2" by 64 ^{ths}	200A29	200B29	
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	200AW29	-	
60	#1 - #60	200A60	200B60	
115	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	200A0115	200B0115	



200AW29



200B29

GENERAL PURPOSE JOBBER LENGTH DRILLS

280A SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank

Number / Black Oxide



280A - Black Oxide

Size	Flute Length	Overall Length	280A Order No.
1	2-5/8"	3-7/8"	280A001
2	2-1/2"	3-7/8"	280A002
3	2-1/2"	3-3/4"	280A003
4	2-1/2"	3-3/4"	280A004
5	2-1/2"	3-3/4"	280A005
6	2-1/2"	3-3/4"	280A006
7	2-7/16"	3-5/8"	280A007
8	2-7/16"	3-5/8"	280A008
9	2-7/16"	3-5/8"	280A009
10	2-7/16"	3-5/8"	280A010
11	2-5/16"	3-1/2"	280A011
12	2-5/16"	3-1/2"	280A012
13	2-5/16"	3-1/2"	280A013
14	2-3/16"	3-3/8"	280A014
15	2-3/16"	3-3/8"	280A015
16	2-3/16"	3-3/8"	280A016
17	2-3/16"	3-3/8"	280A017
18	2-1/8"	3-1/4"	280A018
19	2-1/8"	3-1/4"	280A019
20	2-1/8"	3-1/4"	280A020
21	2-1/8"	3-1/4"	280A021
22	2"	3-1/8"	280A022
23	2"	3-1/8"	280A023
24	2"	3-1/8"	280A024
25	1-7/8"	3"	280A025
26	1-7/8"	3"	280A026
27	1-7/8"	3"	280A027
28	1-3/4"	2-7/8"	280A028
29	1-3/4"	2-7/8"	280A029
30	1-5/8"	2-3/4"	280A030
31	1-5/8"	2-3/4"	280A031
32	1-5/8"	2-3/4"	280A032
33	1-1/2"	2-5/8"	280A033
34	1-1/2"	2-5/8"	280A034
35	1-1/2"	2-5/8"	280A035
36	1-7/16"	2-1/2"	280A036
37	1-7/16"	2-1/2"	280A037
38	1-7/16"	2-1/2"	280A038
39	1-3/8"	2-3/8"	280A039
40	1-3/8"	2-3/8"	280A040

Size	Flute Length	Overall Length	280A Order No.
41	1-3/8"	2-3/8"	280A041
42	1-1/4"	2-1/4"	280A042
43	1-1/4"	2-1/4"	280A043
44	1-1/8"	2-1/8"	280A044
45	1-1/8"	2-1/8"	280A045
46	1-1/8"	2-1/8"	280A046
47	1"	2"	280A047
48	1"	2"	280A048
49	1"	2"	280A049
50	1"	2"	280A050
51	1"	2"	280A051
52	7/8"	1-7/8"	280A052
53	7/8"	1-7/8"	280A053
54	7/8"	1-7/8"	280A054
55	7/8"	1-7/8"	280A055
56	3/4"	1-3/4"	280A056
57	3/4"	1-3/4"	280A057
58	11/16"	1-5/8"	280A058
59	11/16"	1-5/8"	280A059
60	11/16"	1-5/8"	280A060
61	11/16"	1-5/8"	280A061
62	5/8"	1-1/2"	280A062
63	5/8"	1-1/2"	280A063
64	5/8"	1-1/2"	280A064
65	5/8"	1-1/2"	280A065
66	1/2"	1-3/8"	280A066
67	1/2"	1-3/8"	280A067
68	1/2"	1-3/8"	280A068
69	1/2"	1-3/8"	280A069
70	3/8"	1-1/4"	280A070
71	3/8"	1-1/4"	280A071
72	5/16"	1-1/8"	280A072
73	5/16"	1-1/8"	280A073
74	1/4"	1"	280A074
75	1/4"	1"	280A075
76	3/16"	7/8"	280A076
77	3/16"	7/8"	280A077
78	3/16"	7/8"	280A078
79	1/8"	3/4"	280A079
80	1/8"	3/4"	280A080

#1 thru #80 - 12 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72

GENERAL PURPOSE JOBBER LENGTH DRILLS

280B SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank

Number / Bright



280B - Bright

Size	Flute Length	Overall Length	280B Order No.
1	2-5/8"	3-7/8"	280B001
2	2-1/2"	3-7/8"	280B002
3	2-1/2"	3-3/4"	280B003
4	2-1/2"	3-3/4"	280B004
5	2-1/2"	3-3/4"	280B005
6	2-1/2"	3-3/4"	280B006
7	2-7/16"	3-5/8"	280B007
8	2-7/16"	3-5/8"	280B008
9	2-7/16"	3-5/8"	280B009
10	2-7/16"	3-5/8"	280B010
11	2-5/16"	3-1/2"	280B011
12	2-5/16"	3-1/2"	280B012
13	2-5/16"	3-1/2"	280B013
14	2-3/16"	3-3/8"	280B014
15	2-3/16"	3-3/8"	280B015
16	2-3/16"	3-3/8"	280B016
17	2-3/16"	3-3/8"	280B017
18	2-1/8"	3-1/4"	280B018
19	2-1/8"	3-1/4"	280B019
20	2-1/8"	3-1/4"	280B020
21	2-1/8"	3-1/4"	280B021
22	2"	3-1/8"	280B022
23	2"	3-1/8"	280B023
24	2"	3-1/8"	280B024
25	1-7/8"	3"	280B025
26	1-7/8"	3"	280B026
27	1-7/8"	3"	280B027
28	1-3/4"	2-7/8"	280B028
29	1-3/4"	2-7/8"	280B029
30	1-5/8"	2-3/4"	280B030
31	1-5/8"	2-3/4"	280B031
32	1-5/8"	2-3/4"	280B032
33	1-1/2"	2-5/8"	280B033
34	1-1/2"	2-5/8"	280B034
35	1-1/2"	2-5/8"	280B035
36	1-7/16"	2-1/2"	280B036
37	1-7/16"	2-1/2"	280B037
38	1-7/16"	2-1/2"	280B038
39	1-3/8"	2-3/8"	280B039
40	1-3/8"	2-3/8"	280B040

Size	Flute Length	Overall Length	280B Order No.
41	1-3/8"	2-3/8"	280B041
42	1-1/4"	2-1/4"	280B042
43	1-1/4"	2-1/4"	280B043
44	1-1/8"	2-1/8"	280B044
45	1-1/8"	2-1/8"	280B045
46	1-1/8"	2-1/8"	280B046
47	1"	2"	280B047
48	1"	2"	280B048
49	1"	2"	280B049
50	1"	2"	280B050
51	1"	2"	280B051
52	7/8"	1-7/8"	280B052
53	7/8"	1-7/8"	280B053
54	7/8"	1-7/8"	280B054
55	7/8"	1-7/8"	280B055
56	3/4"	1-3/4"	280B056
57	3/4"	1-3/4"	280B057
58	11/16"	1-5/8"	280B058
59	11/16"	1-5/8"	280B059
60	11/16"	1-5/8"	280B060
61	11/16"	1-5/8"	280B061
62	5/8"	1-1/2"	280B062
63	5/8"	1-1/2"	280B063
64	5/8"	1-1/2"	280B064
65	5/8"	1-1/2"	280B065
66	1/2"	1-3/8"	280B066
67	1/2"	1-3/8"	280B067
68	1/2"	1-3/8"	280B068
69	1/2"	1-3/8"	280B069
70	3/8"	1-1/4"	280B070
71	3/8"	1-1/4"	280B071
72	5/16"	1-1/8"	280B072
73	5/16"	1-1/8"	280B073
74	1/4"	1"	280B074
75	1/4"	1"	280B075
76	3/16"	7/8"	280B076
77	3/16"	7/8"	280B077
78	3/16"	7/8"	280B078
79	1/8"	3/4"	280B079
80	1/8"	3/4"	280B080

#1 thru #80 - 12 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72

GENERAL PURPOSE JOBBER LENGTH DRILLS

100SE SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank
Fractional / Black Oxide



100SE

Size	Flute Length	Overall Length	100SE Order No.
1/16"	7/8"	1-7/8"	100SE104
5/64"	1"	2"	100SE105
3/32"	1-1/4"	2-1/4"	100SE106
7/64"	1-1/2"	2-5/8"	100SE107
1/8"	1-5/8"	2-3/4"	100SE108
9/64"	1-3/4"	2-7/8"	100SE109
5/32"	2"	3-1/8"	100SE110
11/64"	2-1/8"	3-1/4"	100SE111
3/16"	2-5/16"	3-1/2"	100SE112
13/64"	2-7/16"	3-5/8"	100SE113
7/32"	2-1/2"	3-3/4"	100SE114
15/64"	2-5/8"	3-7/8"	100SE115
1/4"	2-3/4"	4"	100SE116
17/64"	2-7/8"	4-1/8"	100SE117
9/32"	2-15/16"	4-1/4"	100SE118
19/64"	3-1/16"	4-3/8"	100SE119
5/16"	3-3/16"	4-1/2"	100SE120
21/64"	3-5/16"	4-5/8"	100SE121
11/32"	3-7/16"	4-3/4"	100SE122
23/64"	3-1/2"	4-7/8"	100SE123
3/8"	3-5/8"	5"	100SE124
25/64"	3-3/4"	5-1/8"	100SE125
13/32"	3-7/8"	5-1/4"	100SE126
27/64"	3-15/16"	5-3/8"	100SE127
7/16"	4-1/16"	5-1/2"	100SE128
29/64"	4-3/16"	5-5/8"	100SE129
15/32"	4-5/16"	5-3/4"	100SE130
31/64"	4-3/8"	5-7/8"	100SE131
1/2"	4-1/2"	6"	100SE132

1/16" thru 19/64" - 12 per pack, 5/16" thru 1/2" - 6 per pack



100SE15

Corresponding Sets		
No. of Pcs.	Description	Order No.
100SE Series Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	100SE13
15	1/16" - 1/2" by 32 ^{nds}	100SE15
21	1/16" - 3/8" by 64 ^{ths}	100SE21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	100SE21V
29	DRILL PAL 1/16" - 1/2": by 64 ^{ths}	100SEW29
29	1/16" - 1/2" by 64 ^{ths}	100SE29

180SE SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank
Number / Black Oxide



180SE

Size	Flute Length	Overall Length	180SE Order No.
1	2-5/8"	3-7/8"	180SE001
2	2-1/2"	3-7/8"	180SE002
3	2-1/2"	3-3/4"	180SE003
4	2-1/2"	3-3/4"	180SE004
5	2-1/2"	3-3/4"	180SE005
6	2-1/2"	3-3/4"	180SE006
7	2-7/16"	3-5/8"	180SE007
8	2-7/16"	3-5/8"	180SE008
9	2-7/16"	3-5/8"	180SE009
10	2-7/16"	3-5/8"	180SE010
11	2-5/16"	3-1/2"	180SE011
12	2-5/16"	3-1/2"	180SE012
13	2-5/16"	3-1/2"	180SE013
14	2-3/16"	3-3/8"	180SE014
15	2-3/16"	3-3/8"	180SE015
16	2-3/16"	3-3/8"	180SE016
17	2-3/16"	3-3/8"	180SE017
18	2-1/8"	3-1/4"	180SE018
19	2-1/8"	3-1/4"	180SE019
20	2-1/8"	3-1/4"	180SE020
21	2-1/8"	3-1/4"	180SE021
22	2"	3-1/8"	180SE022
23	2"	3-1/8"	180SE023
24	2"	3-1/8"	180SE024
25	1-7/8"	3"	180SE025
26	1-7/8"	3"	180SE026
27	1-7/8"	3"	180SE027
28	1-3/4"	2-7/8"	180SE028
29	1-3/4"	2-7/8"	180SE029
30	1-5/8"	2-3/4"	180SE030
31	1-5/8"	2-3/4"	180SE031
32	1-5/8"	2-3/4"	180SE032
33	1-1/2"	2-5/8"	180SE033
34	1-1/2"	2-5/8"	180SE034
35	1-1/2"	2-5/8"	180SE035
36	1-7/16"	2-1/2"	180SE036
37	1-7/16"	2-1/2"	180SE037
38	1-7/16"	2-1/2"	180SE038
39	1-3/8"	2-3/8"	180SE039
40	1-3/8"	2-3/8"	180SE040

#1 thru #40 - 12 per pack

GENERAL PURPOSE LEFT HAND JOBBER LENGTH DRILLS

Used in close center multiple spindle gear driven drilling heads, where adjacent spindles operate alternately left and right hand. They are also used in left hand screw machines. Can be used to drill out broken bolts.

- ▷ Left handed flutes and cutting edges allow for counter-clockwise drilling
- ▷ Easy removal of broken bolts
- ▷ Bright finish for increased lubricity when drilling softer materials

200LH SERIES

GENERAL PURPOSE HIGH SPEED STEEL

118° Point / Straight Shank

Fractional / Bright



200LH

Size	Flute Length	Overall Length	200LH Order No.	Size	Flute Length	Overall Length	200LH Order No.
1/16"	7/8"	1-7/8"	200LH104	19/64"	3-1/16"	4-3/8"	200LH119
5/64"	1"	2"	200LH105	5/16"	3-3/16"	4-1/2"	200LH120
3/32"	1-1/4"	2-1/4"	200LH106	21/64"	3-5/16"	4-5/8"	200LH121
7/64"	1-1/2"	2-5/8"	200LH107	11/32"	3-7/16"	4-3/4"	200LH122
1/8"	1-5/8"	2-3/4"	200LH108	23/64"	3-1/2"	4-7/8"	200LH123
9/64"	1-3/4"	2-7/8"	200LH109	3/8"	3-5/8"	5"	200LH124
5/32"	2"	3-1/8"	200LH110	25/64"	3-3/4"	5-1/8"	200LH125
11/64"	2-1/8"	3-1/4"	200LH111	13/32"	3-7/8"	5-1/4"	200LH126
3/16"	2-5/16"	3-1/2"	200LH112	27/64"	3-15/16"	5-3/8"	200LH127
13/64"	2-7/16"	3-5/8"	200LH113	7/16"	4-1/16"	5-1/2"	200LH128
7/32"	2-1/2"	3-3/4"	200LH114	29/64"	4-3/16"	5-5/8"	200LH129
15/64"	2-5/8"	3-7/8"	200LH115	15/32"	4-5/16"	5-3/4"	200LH130
1/4"	2-3/4"	4"	200LH116	31/64"	4-3/8"	5-7/8"	200LH131
17/64"	2-7/8"	4-1/8"	200LH117	1/2"	4-1/2"	6"	200LH132
9/32"	2-15/16"	4-1/4"	200LH118				



200LH29

Corresponding Sets		
No. of Pcs.	Description	Order No.
200LH Series Left Hand Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	200LH13
15	1/16" - 1/2" by 32 ^{nds}	200LH15
21	1/16" - 3/8" by 64 ^{ths}	200LH21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	200LH21V
29	1/16" - 1/2" by 64 ^{ths}	200LH29

JOBBER LENGTH HEAVY-DUTY DRILLS



Designed for efficient drilling in stainless steel and tougher ferrous materials.

- ▷ The 135° split point reduces the thrust requirements and minimizes walking
- ▷ NAS Type B
- ▷ Steam oxide surface treatment for increased wear resistance and lubricity
- ▷ Available in bulk packaging

400 SERIES

HEAVY-DUTY HIGH SPEED STEEL
 135° Split Point / Straight Shank
 Fractional / Black Oxide



400

Size	Flute Length	Overall Length	400 Order No.
1/16"	7/8"	1-7/8"	400A104
5/64"	1"	2"	400A105
3/32"	1-1/4"	2-1/4"	400A106
7/64"	1-1/2"	2-5/8"	400A107
1/8"	1-5/8"	2-3/4"	400A108
9/64"	1-3/4"	2-7/8"	400A109
5/32"	2"	3-1/8"	400A110
11/64"	2-1/8"	3-1/4"	400A111
3/16"	2-5/16"	3-1/2"	400A112
13/64"	2-7/16"	3-5/8"	400A113
7/32"	2-1/2"	3-3/4"	400A114
15/64"	2-5/8"	3-7/8"	400A115
1/4"	2-3/4"	4"	400A116
17/64"	2-7/8"	4-1/8"	400A117
9/32"	2-15/16"	4-1/4"	400A118

Size	Flute Length	Overall Length	400 Order No.
19/64"	3-1/16"	4-3/8"	400A119
5/16"	3-3/16"	4-1/2"	400A120
21/64"	3-5/16"	4-5/8"	400A121
11/32"	3-7/16"	4-3/4"	400A122
23/64"	3-1/2"	4-7/8"	400A123
3/8"	3-5/8"	5"	400A124
25/64"	3-3/4"	5-1/8"	400A125
13/32"	3-7/8"	5-1/4"	400A126
27/64"	3-15/16"	5-3/8"	400A127
7/16"	4-1/16"	5-1/2"	400A128
29/64"	4-3/16"	5-5/8"	400A129
15/32"	4-5/16"	5-3/4"	400A130
31/64"	4-3/8"	5-7/8"	400A131
1/2"	4-1/2"	6"	400A132

1/16" thru 19/64" - 12 per pack, 5/16" thru 1/2" - 6 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72

440 SERIES

HEAVY-DUTY HIGH SPEED STEEL
 135° Split Point / Straight Shank
 Letter / Black Oxide



440

Size	Flute Length	Overall Length	440 Order No.
A	2-5/8"	3-7/8"	440A501
B	2-3/4"	4"	440A502
C	2-3/4"	4"	440A503
D	2-3/4"	4"	440A504
E	2-3/4"	4"	440A505
F	2-7/8"	4-1/8"	440A506
G	2-7/8"	4-1/8"	440A507
H	2-7/8"	4-1/8"	440A508
I	2-7/8"	4-1/8"	440A509
J	2-7/8"	4-1/8"	440A510
K	2-15/16"	4-1/4"	440A511
L	2-15/16"	4-1/4"	440A512
M	3-1/16"	4-3/8"	440A513

Size	Flute Length	Overall Length	440 Order No.
N	3-1/16"	4-3/8"	440A514
O	3-3/16"	4-1/2"	440A515
P	3-5/16"	4-5/8"	440A516
Q	3-7/16"	4-3/4"	440A517
R	3-7/16"	4-3/4"	440A518
S	3-1/2"	4-7/8"	440A519
T	3-1/2"	4-7/8"	440A520
U	3-5/8"	5"	440A521
V	3-5/8"	5"	440A522
W	3-3/4"	5-1/8"	440A523
X	3-3/4"	5-1/8"	440A524
Y	3-7/8"	5-1/4"	440A525
Z	3-7/8"	5-1/4"	440A526

"A" thru "L" - 12 per pack, "M" thru "Z" - 6 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72

HEAVY-DUTY JOBBER LENGTH DRILLS

480 SERIES

HEAVY-DUTY HIGH SPEED STEEL

135° Split Point / Straight Shank

Number / Black Oxide



480

Size	Flute Length	Overall Length	480 Order No.	Size	Flute Length	Overall Length	480 Order No.
1	2-5/8"	3-7/8"	480A001	31	1-5/8"	2-3/4"	480A031
2	2-1/2"	3-7/8"	480A002	32	1-5/8"	2-3/4"	480A032
3	2-1/2"	3-3/4"	480A003	33	1-1/2"	2-5/8"	480A033
4	2-1/2"	3-3/4"	480A004	34	1-1/2"	2-5/8"	480A034
5	2-1/2"	3-3/4"	480A005	35	1-1/2"	2-5/8"	480A035
6	2-1/2"	3-3/4"	480A006	36	1-7/16"	2-1/2"	480A036
7	2-7/16"	3-5/8"	480A007	37	1-7/16"	2-1/2"	480A037
8	2-7/16"	3-5/8"	480A008	38	1-7/16"	2-1/2"	480A038
9	2-7/16"	3-5/8"	480A009	39	1-3/8"	2-3/8"	480A039
10	2-7/16"	3-5/8"	480A010	40	1-3/8"	2-3/8"	480A040
11	2-5/16"	3-1/2"	480A011	41	1-3/8"	2-3/8"	480A041
12	2-5/16"	3-1/2"	480A012	42	1-1/4"	2-1/4"	480A042
13	2-5/16"	3-1/2"	480A013	43	1-1/4"	2-1/4"	480A043
14	2-3/16"	3-3/8"	480A014	44	1-1/8"	2-1/8"	480A044
15	2-3/16"	3-3/8"	480A015	45	1-1/8"	2-1/8"	480A045
16	2-3/16"	3-3/8"	480A016	46	1-1/8"	2-1/8"	480A046
17	2-3/16"	3-3/8"	480A017	47	1"	2"	480A047
18	2-1/8"	3-1/4"	480A018	48	1"	2"	480A048
19	2-1/8"	3-1/4"	480A019	49	1"	2"	480A049
20	2-1/8"	3-1/4"	480A020	50	1"	2"	480A050
21	2-1/8"	3-1/4"	480A021	51	1"	2"	480A051
22	2"	3-1/8"	480A022	52	7/8"	1-7/8"	480A052
23	2"	3-1/8"	480A023	53*	7/8"	1-7/8"	480A053
24	2"	3-1/8"	480A024	54*	7/8"	1-7/8"	480A054
25	1-7/8"	3"	480A025	55*	7/8"	1-7/8"	480A055
26	1-7/8"	3"	480A026	56*	3/4"	1-3/4"	480A056
27	1-7/8"	3"	480A027	57*	3/4"	1-3/4"	480A057
28	1-3/4"	2-7/8"	480A028	58*	11/16"	1-5/8"	480A058
29	1-3/4"	2-7/8"	480A029	59*	11/16"	1-5/8"	480A059
30	1-5/8"	2-3/4"	480A030	60*	11/16"	1-5/8"	480A060

* Not Split Point

#1 thru #60 - 12 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
400/440/480 & 400E Series Heavy-Duty Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	400HD13
15	1/16" - 1/2" by 32 ^{nds}	400HD15
19	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	400A19
21	1/16" - 3/8" by 64 ^{ths}	400HD21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	400HD21V
26	A - Z	400HD26
29	1/16" - 1/2" by 64 ^{ths}	400HD29
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400AW29
60	#1 - #60	400HD60
115	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	400HD0115
13	1/16" - 1/4" by 64 ^{ths}	400HDE13
15	1/16" - 1/2" by 32 ^{nds}	400HDE15
21	1/16" - 3/8" by 64 ^{ths}	400HDE21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	400HDE21V
29	1/16" - 1/2" by 64 ^{ths}	400HDE29
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400EW29

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72



400HD21

HEAVY-DUTY JOBBER LENGTH DRILLS



Nitro® drills (NAS Type B) offer superior performance over conventional HSS drills. 135° Split Point reduces walking at the drill point and makes these drills ideal for both hand held and CNC Operations.



- ▷ 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
- ▷ Jobber length for extra reach
- ▷ Available in bulk packaging

400N SERIES

HEAVY-DUTY HIGH SPEED STEEL
135° Split Point / Straight Shank
Fractional / Black & Gold



400N

NEW

Size	Flute Length	Overall Length	400N Order No.	Blister Pack Order No.
1/16"	7/8"	1-7/8"	400N104	400N104BP
5/64"	1"	2"	400N105	400N105BP
3/32"	1-1/4"	2-1/4"	400N106	400N106BP
7/64"	1-1/2"	2-5/8"	400N107	400N107BP
1/8"	1-5/8"	2-3/4"	400N108	400N108BP
9/64"	1-3/4"	2-7/8"	400N109	400N109BP
5/32"	2"	3-1/8"	400N110	400N110BP
11/64"	2-1/8"	3-1/4"	400N111	400N111BP
3/16"	2-5/16"	3-1/2"	400N112	400N112BP
13/64"	2-7/16"	3-5/8"	400N113	400N113BP
7/32"	2-1/2"	3-3/4"	400N114	400N114BP
15/64"	2-5/8"	3-7/8"	400N115	400N115BP
1/4"	2-3/4"	4"	400N116	400N116BP
17/64"	2-7/8"	4-1/8"	400N117	400N117BP
9/32"	2-15/16"	4-1/4"	400N118	400N118BP

NEW

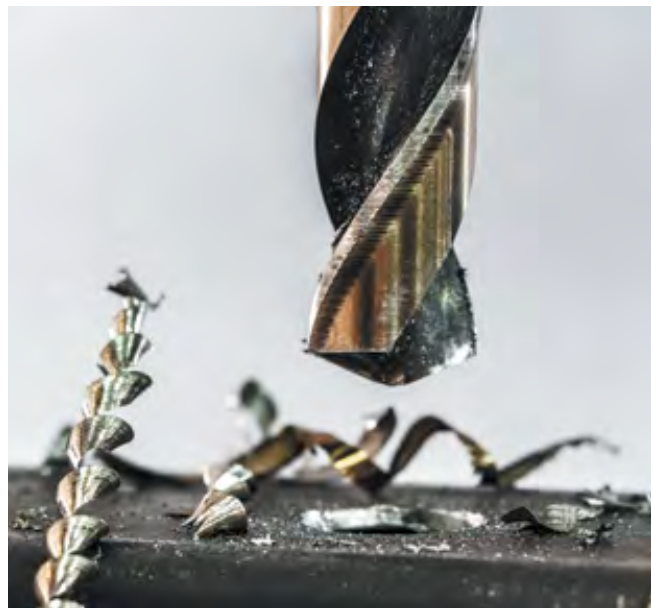
Size	Flute Length	Overall Length	400N Order No.	Blister Pack Order No.
19/64"	3-1/16"	4-3/8"	400N119	400N119BP
5/16"	3-3/16"	4-1/2"	400N120	400N120BP
21/64"	3-5/16"	4-5/8"	400N121	400N121BP
11/32"	3-7/16"	4-3/4"	400N122	400N122BP
23/64"	3-1/2"	4-7/8"	400N123	400N123BP
3/8"	3-5/8"	5"	400N124	400N124BP
25/64"	3-3/4"	5-1/8"	400N125	400N125BP
13/32"	3-7/8"	5-1/4"	400N126	400N126BP
27/64"	3-15/16"	5-3/8"	400N127	400N127BP
7/16"	4-1/16"	5-1/2"	400N128	400N128BP
29/64"	4-3/16"	5-5/8"	400N129	400N129BP
15/32"	4-5/16"	5-3/4"	400N130	400N130BP
31/64"	4-3/8"	5-7/8"	400N131	400N131BP
1/2"	4-1/2"	6"	400N132	400N132BP

1/16" thru 19/64" - 12 per pack, 5/16" thru 1/2" - 6 per pack
Blister packs: 1 per package, except for 1/16" - 5/32" which are 2 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & O - Z	72

NEW

NOW AVAILABLE
IN BLISTER PACKS



HEAVY-DUTY JOBBER LENGTH DRILLS

440N SERIES

HEAVY-DUTY HIGH SPEED STEEL
135° Split Point / Straight Shank
Letter / Black & Gold



NITRO

440N

Size	Flute Length	Overall Length	440N Order No.
A	2-5/8"	3-7/8"	440N501
B	2-3/4"	4"	440N502
C	2-3/4"	4"	440N503
D	2-3/4"	4"	440N504
E	2-3/4"	4"	440N505
F	2-7/8"	4-1/8"	440N506
G	2-7/8"	4-1/8"	440N507
H	2-7/8"	4-1/8"	440N508
I	2-7/8"	4-1/8"	440N509
J	2-7/8"	4-1/8"	440N510
K	2-15/16"	4-1/4"	440N511
L	2-15/16"	4-1/4"	440N512
M	3-1/16"	4-3/8"	440N513

Size	Flute Length	Overall Length	440N Order No.
N	3-1/16"	4-3/8"	440N514
O	3-3/16"	4-1/2"	440N515
P	3-5/16"	4-5/8"	440N516
Q	3-7/16"	4-3/4"	440N517
R	3-7/16"	4-3/4"	440N518
S	3-1/2"	4-7/8"	440N519
T	3-1/2"	4-7/8"	440N520
U	3-5/8"	5"	440N521
V	3-5/8"	5"	440N522
W	3-3/4"	5-1/8"	440N523
X	3-3/4"	5-1/8"	440N524
Y	3-7/8"	5-1/4"	440N525
Z	3-7/8"	5-1/4"	440N526

'A' thru 'L' - 12 per pack, 'M' thru 'Z' - 6 per pack

480N SERIES

HEAVY-DUTY HIGH SPEED STEEL
135° Split Point / Straight Shank
Number / Black & Gold



NITRO

480N

Size	Flute Length	Overall Length	480N Order No.
1	2-5/8"	3-7/8"	480N001
2	2-1/2"	3-7/8"	480N002
3	2-1/2"	3-3/4"	480N003
4	2-1/2"	3-3/4"	480N004
5	2-1/2"	3-3/4"	480N005
6	2-1/2"	3-3/4"	480N006
7	2-7/16"	3-5/8"	480N007
8	2-7/16"	3-5/8"	480N008
9	2-7/16"	3-5/8"	480N009
10	2-7/16"	3-5/8"	480N010
11	2-5/16"	3-1/2"	480N011
12	2-5/16"	3-1/2"	480N012
13	2-5/16"	3-1/2"	480N013
14	2-3/16"	3-3/8"	480N014
15	2-3/16"	3-3/8"	480N015
16	2-3/16"	3-3/8"	480N016
17	2-3/16"	3-3/8"	480N017
18	2-1/8"	3-1/4"	480N018
19	2-1/8"	3-1/4"	480N019
20	2-1/8"	3-1/4"	480N020
21	2-1/8"	3-1/4"	480N021
22	2"	3-1/8"	480N022
23	2"	3-1/8"	480N023
24	2"	3-1/8"	480N024
25	1-7/8"	3"	480N025
26	1-7/8"	3"	480N026
27	1-7/8"	3"	480N027
28	1-3/4"	2-7/8"	480N028
29	1-3/4"	2-7/8"	480N029
30	1-5/8"	2-3/4"	480N030

Size	Flute Length	Overall Length	480N Order No.
31	1-5/8"	2-3/4"	480N031
32	1-5/8"	2-3/4"	480N032
33	1-1/2"	2-5/8"	480N033
34	1-1/2"	2-5/8"	480N034
35	1-1/2"	2-5/8"	480N035
36	1-7/16"	2-1/2"	480N036
37	1-7/16"	2-1/2"	480N037
38	1-7/16"	2-1/2"	480N038
39	1-3/8"	2-3/8"	480N039
40	1-3/8"	2-3/8"	480N040
41	1-3/8"	2-3/8"	480N041
42	1-1/4"	2-1/4"	480N042
43	1-1/4"	2-1/4"	480N043
44	1-1/8"	2-1/8"	480N044
45	1-1/8"	2-1/8"	480N045
46	1-1/8"	2-1/8"	480N046
47	1"	2"	480N047
48	1"	2"	480N048
49	1"	2"	480N049
50	1"	2"	480N050
51	1"	2"	480N051
52	7/8"	1-7/8"	480N052
53*	7/8"	1-7/8"	480N053
54*	7/8"	1-7/8"	480N054
55*	7/8"	1-7/8"	480N055
56*	3/4"	1-3/4"	480N056
57*	3/4"	1-3/4"	480N057
58*	11/16"	1-5/8"	480N058
59*	11/16"	1-5/8"	480N059
60*	11/16"	1-5/8"	480N060

*Not split point

#1 thru #60 - 12 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
400N/440N/480N Series Nitro® Heavy Duty Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	400N13
15	1/16" - 1/2" by 32 ^{nds}	400N15
19	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	400N19
21	1/16" - 3/8" by 64 ^{ths}	400N21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	400N21V
26	A - Z	400N26
29	1/16" - 1/2" by 64 ^{ths}	400N29
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400NW29
60	#1 - #60	400N60
115	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	400N0115



400N29

HEAVY-DUTY JOBBER LENGTH DRILLS

The heavy construction affords efficient portable drilling in medium strength alloy materials. The split point reduces the thrust requirements and minimizes walking. This is a suitable drill for the construction industry.

- ▷ *Heavy-duty 135° Split Point minimizes walking*
- ▷ *Black & Gold surface treatment for high wear resistance and lubricity*
- ▷ *A multi-purpose heavy-duty drill bit*

400E SERIES

HEAVY-DUTY HIGH SPEED STEEL
135° Split Point / Straight Shank
Fractional / Black & Gold



400E

Size	Flute Length	Overall Length	400E Order No.
1/16"	7/8"	1-7/8"	400E104
5/64"	1"	2"	400E105
3/32"	1-1/4"	2-1/4"	400E106
7/64"	1-1/2"	2-5/8"	400E107
1/8"	1-5/8"	2-3/4"	400E108
9/64"	1-3/4"	2-7/8"	400E109
5/32"	2"	3-1/8"	400E110
11/64"	2-1/8"	3-1/4"	400E111
3/16"	2-5/16"	3-1/2"	400E112
13/64"	2-7/16"	3-5/8"	400E113
7/32"	2-1/2"	3-3/4"	400E114
15/64"	2-5/8"	3-7/8"	400E115
1/4"	2-3/4"	4"	400E116
17/64"	2-7/8"	4-1/8"	400E117
9/32"	2-15/16"	4-1/4"	400E118

Size	Flute Length	Overall Length	400E Order No.
19/64"	3-1/16"	4-3/8"	400E119
5/16"	3-3/16"	4-1/2"	400E120
21/64"	3-5/16"	4-5/8"	400E121
11/32"	3-7/16"	4-3/4"	400E122
23/64"	3-1/2"	4-7/8"	400E123
3/8"	3-5/8"	5"	400E124
25/64"	3-3/4"	5-1/8"	400E125
13/32"	3-7/8"	5-1/4"	400E126
27/64"	3-15/16"	5-3/8"	400E127
7/16"	4-1/16"	5-1/2"	400E128
29/64"	4-3/16"	5-5/8"	400E129
15/32"	4-5/16"	5-3/4"	400E130
31/64"	4-3/8"	5-7/8"	400E131
1/2"	4-1/2"	6"	400E132

1/16" thru 19/64" and #1 thru #60 - 12 per pack, 5/16" thru 1/2" - 6 per pack

HEAVY-DUTY JOBBER LENGTH DRILLS

480E SERIES

HEAVY-DUTY HIGH SPEED STEEL

135° Split Point / Straight Shank

Number / Black & Gold



480E

Size	Flute Length	Overall Length	480E Order No.
1	2-5/8"	3-7/8"	480E001
2	2-1/2"	3-7/8"	480E002
3	2-1/2"	3-3/4"	480E003
4	2-1/2"	3-3/4"	480E004
5	2-1/2"	3-3/4"	480E005
6	2-1/2"	3-3/4"	480E006
7	2-7/16"	3-5/8"	480E007
8	2-7/16"	3-5/8"	480E008
9	2-7/16"	3-5/8"	480E009
10	2-7/16"	3-5/8"	480E010
11	2-5/16"	3-1/2"	480E011
12	2-5/16"	3-1/2"	480E012
13	2-5/16"	3-1/2"	480E013
14	2-3/16"	3-3/8"	480E014
15	2-3/16"	3-3/8"	480E015
16	2-3/16"	3-3/8"	480E016
17	2-3/16"	3-3/8"	480E017
18	2-1/8"	3-1/4"	480E018
19	2-1/8"	3-1/4"	480E019
20	2-1/8"	3-1/4"	480E020
21	2-1/8"	3-1/4"	480E021
22	2"	3-1/8"	480E022
23	2"	3-1/8"	480E023
24	2"	3-1/8"	480E024
25	1-7/8"	3"	480E025
26	1-7/8"	3"	480E026
27	1-7/8"	3"	480E027
28	1-3/4"	2-7/8"	480E028
29	1-3/4"	2-7/8"	480E029
30	1-5/8"	2-3/4"	480E030

Size	Flute Length	Overall Length	480E Order No.
31	1-5/8"	2-3/4"	480E031
32	1-5/8"	2-3/4"	480E032
33	1-1/2"	2-5/8"	480E033
34	1-1/2"	2-5/8"	480E034
35	1-1/2"	2-5/8"	480E035
36	1-7/16"	2-1/2"	480E036
37	1-7/16"	2-1/2"	480E037
38	1-7/16"	2-1/2"	480E038
39	1-3/8"	2-3/8"	480E039
40	1-3/8"	2-3/8"	480E040
41	1-3/8"	2-3/8"	480E041
42	1-1/4"	2-1/4"	480E042
43	1-1/4"	2-1/4"	480E043
44	1-1/8"	2-1/8"	480E044
45	1-1/8"	2-1/8"	480E045
46	1-1/8"	2-1/8"	480E046
47	1"	2"	480E047
48	1"	2"	480E048
49	1"	2"	480E049
50	1"	2"	480E050
51	1"	2"	480E051
52	7/8"	1-7/8"	480E052
53*	7/8"	1-7/8"	480E053
54*	7/8"	1-7/8"	480E054
55*	7/8"	1-7/8"	480E055
56*	3/4"	1-3/4"	480E056
57*	3/4"	1-3/4"	480E057
58*	11/16"	1-5/8"	480E058
59*	11/16"	1-5/8"	480E059
60*	11/16"	1-5/8"	480E060

#1 thru #60 - 12 per pack

Designed for efficient drilling in stainless steel and tougher ferrous materials. The 135° split point reduces the thrust requirements and minimizes walking. Black & Gold surface treatment for increased wear resistance and lubricity.

800 SERIES

HEAVY-DUTY HIGH SPEED STEEL

135° Split Point / Straight Shank

Metric / Black & Gold



800

Size (mm)	Flute Length (mm)	Overall Length (mm)	800 Order No.
.35	3	19	800A0035
.40	5	19	800A0040
.45	5	22	800A0045
.50	5	22	800A0050
.55	6	25	800A0055
.60	8	29	800A0060
.65	10	32	800A0065
.70	10	32	800A0070
.75	13	35	800A0075
.80	13	35	800A0080
.85	16	38	800A0085
.90	16	38	800A0090
.95	16	38	800A0095
1.00	17	41	800A0100
1.05	17	41	800A0105
1.10	19	44	800A0110
1.15	19	44	800A0115

Size (mm)	Flute Length (mm)	Overall Length (mm)	800 Order No.
1.20	22	48	800A0120
1.25	22	48	800A0125
1.30	22	48	800A0130
1.35	22	49	800A0135
1.40	22	48	800A0140
1.45	22	48	800A0145
1.50	22	48	800A0150
1.55	22	48	800A0155
1.60	22	48	800A0160
1.65	25	51	800A0165
1.70	25	51	800A0170
1.75	25	51	800A0175
1.80	25	51	800A0180
1.85	25	51	800A0185
1.90	25	51	800A0190
1.95	25	51	800A0195
2.00	25	51	800A0200

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HEAVY-DUTY JOBBER LENGTH DRILLS

Size (mm)	Flute Length (mm)	Overall Length (mm)	800 Order No.
2.05	29	54	800A0205
2.10	29	54	800A0210
2.15	29	54	800A0215
2.20	32	57	800A0220
2.25	32	57	800A0225
2.30	32	57	800A0230
2.35	32	57	800A0235
2.40	35	60	800A0240
2.45	35	60	800A0245
2.50	35	60	800A0250
2.60	37	64	800A0260
2.70	37	64	800A0270
2.75	37	64	800A0275
2.80	38	67	800A0280
2.90	41	70	800A0290
3.00	41	70	800A0300
3.10	41	70	800A0310
3.20	41	70	800A0320
3.25	41	70	800A0325
3.30	44	73	800A0330
3.40	44	73	800A0340
3.50	44	73	800A0350
3.60	48	76	800A0360
3.70	48	76	800A0370
3.75	48	76	800A0375
3.80	48	76	800A0380
3.90	51	79	800A0390
4.00	54	83	800A0400
4.10	54	83	800A0410
4.20	54	83	800A0420
4.25	54	83	800A0425
4.30	54	83	800A0430
4.40	56	86	800A0440
4.50	56	86	800A0450
4.60	56	86	800A0460
4.70	59	89	800A0470
4.75	59	89	800A0475
4.80	59	89	800A0480
4.90	62	92	800A0490
5.00	62	92	800A0500
5.10	62	92	800A0510
5.20	64	95	800A0520
5.25	64	95	800A0525
5.30	64	95	800A0530
5.40	64	95	800A0540
5.50	64	95	800A0550
5.60	67	98	800A0560
5.70	67	98	800A0570
5.75	67	98	800A0575
5.80	67	98	800A0580
5.90	67	98	800A0590
6.00	70	102	800A0600
6.10	70	102	800A0610
6.20	70	102	800A0620
6.25	70	102	800A0625
6.30	70	102	800A0630
6.40	73	105	800A0640
6.50	73	105	800A0650
6.60	73	105	800A0660
6.70	73	105	800A0670
6.75	73	105	800A0675
6.80	73	105	800A0680
6.90	73	105	800A0690
7.00	73	105	800A0700

Size (mm)	Flute Length (mm)	Overall Length (mm)	800 Order No.
7.10	75	108	800A0710
7.20	75	108	800A0720
7.25	75	108	800A0725
7.30	75	108	800A0730
7.40	78	111	800A0740
7.50	78	111	800A0750
7.60	78	111	800A0760
7.70	81	114	800A0770
7.75	81	114	800A0775
7.80	81	114	800A0780
7.90	81	114	800A0790
8.00	81	114	800A0800
8.10	84	117	800A0810
8.20	84	117	800A0820
8.25	84	117	800A0825
8.30	84	117	800A0830
8.40	87	121	800A0840
8.50	87	121	800A0850
8.60	87	121	800A0860
8.70	87	121	800A0870
8.75	87	121	800A0875
8.80	89	124	800A0880
8.90	89	124	800A0890
9.00	89	124	800A0900
9.10	89	124	800A0910
9.20	92	127	800A0920
9.25	92	127	800A0925
9.30	92	127	800A0930
9.40	92	127	800A0940
9.50	92	127	800A0950
9.60	95	130	800A0960
9.70	95	130	800A0970
9.75	95	130	800A0975
9.80	95	130	800A0980
9.90	95	130	800A0990
10.00	95	130	800A1000
10.50	98	133	800A1050
11.00	103	140	800A1100
11.50	106	143	800A1150
12.00	111	149	800A1200
12.50	114	152	800A1250
13.00	114	152	800A1300

0.35 mm thru 6.60 mm - 12 pack, 6.70 mm thru 12.50 mm - 6 pack, 13.0 mm - packaged individually



800A13

Corresponding Sets		
No. of Pcs.	Description	Order No.
800 Series Metric Jobber Drill Sets		
13	1mm - 7mm by 0.5mm	800A13
19	1mm - 10mm by 0.5mm	800A19
25	1mm - 13mm by 0.5mm	800A25

HEAVY-DUTY JOBBER LENGTH DRILLS

140° Split Point reduces walking at the drill point and makes these drills ideal for both hand held and CNC Operations. Usable in a wide range of materials including difficult to machine materials such as stainless steel.

- ▷ *Black & Gold surface treatment for maximum lubricity*
- ▷ *Jobber length for extra reach*
- ▷ *3-flat shank helps reduce slippage in the drill chuck*

400F SERIES

HEAVY-DUTY HIGH SPEED STEEL

140° Split Point / 3-Flats

Fractional / Black & Gold



400F

Size	Flute Length	Overall Length	400F Order No.
1/16"	7/8"	1-7/8"	400F104
5/64"	1"	2"	400F105
3/32"	1-1/4"	2-1/4"	400F106
7/64"	1-1/2"	2-5/8"	400F107
1/8"	1-5/8"	2-3/4"	400F108
9/64"	1-3/4"	2-7/8"	400F109
5/32"	2"	3-1/8"	400F110
11/64"	2-1/8"	3-1/4"	400F111
3/16"	2-5/16"	3-1/2"	400F112
13/64"	2-7/16"	3-5/8"	400F113
7/32"	2-1/2"	3-3/4"	400F114
15/64"	2-5/8"	3-7/8"	400F115
1/4"	2-3/4"	4"	400F116
17/64"	2-7/8"	4-1/8"	400F117
9/32"	2-15/16"	4-1/4"	400F118

Size	Flute Length	Overall Length	400F Order No.
19/64"	3-1/16"	4-3/8"	400F119
5/16"	3-3/16"	4-1/2"	400F120
21/64"	3-5/16"	4-5/8"	400F121
11/32"	3-7/16"	4-3/4"	400F122
23/64"	3-1/2"	4-7/8"	400F123
3/8"	3-5/8"	5"	400F124
25/64"	3-3/4"	5-1/8"	400F125
13/32"	3-7/8"	5-1/4"	400F126
27/64"	3-15/16"	5-3/8"	400F127
7/16"	4-1/16"	5-1/2"	400F128
29/64"	4-3/16"	5-5/8"	400F129
15/32"	4-5/16"	5-3/4"	400F130
31/64"	4-3/8"	5-7/8"	400F131
1/2"	4-1/2"	6"	400F132

Flats start at 3/16" 1/16" thru 19/64" - 12 per pack, 5/16" thru 1/2" - 6 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
400F Series Jobber Drill Sets		
21	1/16" - 3/8" by 64 ^{ths}	400F21
29	1/16" - 1/2" by 64 ^{ths}	400F29
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400FW29



400F29

HEAVY-DUTY JOBBER LENGTH DRILLS

The TiN (Titanium Nitride) coating provides a super hard surface with high lubricity and longer tool life, as the heat is deflected away from the drill. These drills can be used in a wide range of materials including steel, stainless steel, titanium, nickel and aluminum. TiN coating is applied to the "working" part of the drill. This allows for all of the benefits that the user receives from a fully TiN coated product, but at a reduced price when compared to a drill that is fully coated.

- ▷ *The TiN (titanium nitride) coating provides a super hard surface with high lubricity*
- ▷ *Extended tool life in high wear application*
- ▷ *135° split point for self centering and reduced walking*

450T SERIES

HEAVY-DUTY HIGH SPEED STEEL

135° Split Point / Straight Shank

Fractional / TiN Tip Coated



450T

Size	Flute Length	Overall Length	450T Order No.
1/16"	7/8"	1-7/8"	450T104
5/64"	1"	2"	450T105
3/32"	1-1/4"	2-1/4"	450T106
7/64"	1-1/2"	2-5/8"	450T107
1/8"	1-5/8"	2-3/4"	450T108
9/64"	1-3/4"	2-7/8"	450T109
5/32"	2"	3-1/8"	450T110
11/64"	2-1/8"	3-1/4"	450T111
3/16"	2-5/16"	3-1/2"	450T112
13/64"	2-7/16"	3-5/8"	450T113
7/32"	2-1/2"	3-3/4"	450T114
15/64"	2-5/8"	3-7/8"	450T115
1/4"	2-3/4"	4"	450T116
17/64"	2-7/8"	4-1/8"	450T117
9/32"	2-15/16"	4-1/4"	450T118

Size	Flute Length	Overall Length	450T Order No.
19/64"	3-1/16"	4-3/8"	450T119
5/16"	3-3/16"	4-1/2"	450T120
21/64"	3-5/16"	4-5/8"	450T121
11/32"	3-7/16"	4-3/4"	450T122
23/64"	3-1/2"	4-7/8"	450T123
3/8"	3-5/8"	5"	450T124
25/64"	3-3/4"	5-1/8"	450T125
13/32"	3-7/8"	5-1/4"	450T126
27/64"	3-15/16"	5-3/8"	450T127
7/16"	4-1/16"	5-1/2"	450T128
29/64"	4-3/16"	5-5/8"	450T129
15/32"	4-5/16"	5-3/4"	450T130
31/64"	4-3/8"	5-7/8"	450T131
1/2"	4-1/2"	6"	450T132

3/64" thru 19/64" & #1 thru #60 - 12 per pack, 5/16" thru 1/2" - 6 per pack

HEAVY-DUTY JOBBER LENGTH DRILLS

450T SERIES

HEAVY-DUTY HIGH SPEED STEEL

135° Split Point / Straight Shank

Number / TiN Tip Coated



450T

Size	Flute Length	Overall Length	450T Order No.
1	2-5/8"	3-7/8"	450T001
2	2-5/8"	3-7/8"	450T002
3	2-1/2"	3-3/4"	450T003
4	2-1/2"	3-3/4"	450T004
5	2-1/2"	3-3/4"	450T005
6	2-1/2"	3-3/4"	450T006
7	2-7/16"	3-5/8"	450T007
8	2-7/16"	3-5/8"	450T008
9	2-7/16"	3-5/8"	450T009
10	2-7/16"	3-5/8"	450T010
11	2-5/16"	3-1/2"	450T011
12	2-5/16"	3-1/2"	450T012
13	2-5/16"	3-1/2"	450T013
14	2-3/16"	3-3/8"	450T014
15	2-3/16"	3-3/8"	450T015
16	2-3/16"	3-3/8"	450T016
17	2-3/16"	3-3/8"	450T017
18	2-1/8"	3-1/4"	450T018
19	2-1/8"	3-1/4"	450T019
20	2-1/8"	3-1/4"	450T020
21	2-1/8"	3-1/4"	450T021
22	2"	3-1/8"	450T022
23	2"	3-1/8"	450T023
24	2"	3-1/8"	450T024
25	1-7/8"	3"	450T025
26	1-7/8"	3"	450T026
27	1-7/8"	3"	450T027
28	1-3/4"	2-7/8"	450T028
29	1-3/4"	2-7/8"	450T029
30	1-5/8"	2-3/4"	450T030

Size	Flute Length	Overall Length	450T Order No.
31	1-5/8"	2-3/4"	450T031
32	1-5/8"	2-3/4"	450T032
33	1-1/2"	2-5/8"	450T033
34	1-1/2"	2-5/8"	450T034
35	1-1/2"	2-5/8"	450T035
36	1-7/16"	2-1/2"	450T036
37	1-7/16"	2-1/2"	450T037
38	1-7/16"	2-1/2"	450T038
39	1-3/8"	2-3/8"	450T039
40	1-3/8"	2-3/8"	450T040
41	1-3/8"	2-3/8"	450T041
42	1-1/4"	2-1/4"	450T042
43	1-1/4"	2-1/4"	450T043
44	1-1/8"	2-1/8"	450T044
45	1-1/8"	2-1/8"	450T045
46	1-1/8"	2-1/8"	450T046
47	1"	2"	450T047
48	1"	2"	450T048
49	1"	2"	450T049
50	1"	2"	450T050
51	1"	2"	450T051
52	7/8"	1-7/8"	450T052
53*	7/8"	1-7/8"	450T053
54*	7/8"	1-7/8"	450T054
55*	7/8"	1-7/8"	450T055
56*	3/4"	1-3/4"	450T056
57*	3/4"	1-3/4"	450T057
58*	11/16"	1-5/8"	450T058
59*	11/16"	1-5/8"	450T059
60*	11/16"	1-5/8"	450T060

*Not split point

#1 thru #60 - 12 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
450T Series Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	450T13
15	1/16" - 1/2" by 32 ^{nds}	450T15
21	1/16" - 3/8" by 64 ^{ths}	450T21
29	1/16" - 1/2" by 64 ^{ths}	450T29
29	1/16" - 1/2" by 64 ^{ths} DRILL PAL	450TW29
60	#1 - 60	450T60



450T21

HEAVY-DUTY JOBBER LENGTH DRILLS



Heavy duty construction made to NAS Type J aircraft specifications. Used for drilling holes in hard, tough materials such as stainless steel, titanium high temperature and high strength alloys.

- ▷ High red hardness of cobalt permits speeds 30% greater than HSS drills
- ▷ Bronze surface treatment for high lubricity
- ▷ Cobalt drills can cut harder materials than HSS drills
- ▷ Available in bulk packaging

500 SERIES

HEAVY-DUTY COBALT

135° Split Point / Straight Shank
Fractional / Bronze



500

Size	Flute Length	Overall Length	500 Order No.
3/64"	3/4"	1-3/4"	500A103
1/16"	7/8"	1-7/8"	500A104
5/64"	1"	2"	500A105
3/32"	1-1/4"	2-1/4"	500A106
7/64"	1-1/2"	2-5/8"	500A107
1/8"	1-5/8"	2-3/4"	500A108
9/64"	1-3/4"	2-7/8"	500A109
5/32"	2"	3-1/8"	500A110
11/64"	2-1/8"	3-1/4"	500A111
3/16"	2-5/16"	3-1/2"	500A112
13/64"	2-7/16"	3-5/8"	500A113
7/32"	2-1/2"	3-3/4"	500A114
15/64"	2-5/8"	3-7/8"	500A115
1/4"	2-3/4"	4"	500A116
17/64"	2-7/8"	4-1/8"	500A117

Size	Flute Length	Overall Length	500 Order No.
9/32"	2-15/16"	4-1/4"	500A118
19/64"	3-1/16"	4-3/8"	500A119
5/16"	3-3/16"	4-1/2"	500A120
21/64"	3-5/16"	4-5/8"	500A121
11/32"	3-7/16"	4-3/4"	500A122
23/64"	3-1/2"	4-7/8"	500A123
3/8"	3-5/8"	5"	500A124
25/64"	3-3/4"	5-1/8"	500A125
13/32"	3-7/8"	5-1/4"	500A126
27/64"	3-15/16"	5-3/8"	500A127
7/16"	4-1/16"	5-1/2"	500A128
29/64"	4-3/16"	5-5/8"	500A129
15/32"	4-5/16"	5-3/4"	500A130
31/64"	4-3/8"	5-7/8"	500A131
1/2"	4-1/2"	6"	500A132

3/64" thru 19/64" and "A" thru "L" - 12 per pack
5/16" thru 1/2" and "M" thru "Z" - 6 per pack

580 SERIES

HEAVY-DUTY COBALT

135° Split Point / Straight Shank
Number / Bronze



580

Size	Flute Length	Overall Length	580 Order No.
1	2-5/8"	3-7/8"	580A001
2	2-1/2"	3-7/8"	580A002
3	2-1/2"	3-3/4"	580A003
4	2-1/2"	3-3/4"	580A004
5	2-1/2"	3-3/4"	580A005
6	2-1/2"	3-3/4"	580A006
7	2-7/16"	3-5/8"	580A007
8	2-7/16"	3-5/8"	580A008
9	2-7/16"	3-5/8"	580A009
10	2-7/16"	3-5/8"	580A010
11	2-5/16"	3-1/2"	580A011
12	2-5/16"	3-1/2"	580A012
13	2-5/16"	3-1/2"	580A013

Size	Flute Length	Overall Length	580 Order No.
14	2-3/16"	3-3/8"	580A014
15	2-3/16"	3-3/8"	580A015
16	2-3/16"	3-3/8"	580A016
17	2-3/16"	3-3/8"	580A017
18	2-1/8"	3-1/4"	580A018
19	2-1/8"	3-1/4"	580A019
20	2-1/8"	3-1/4"	580A020
21	2-1/8"	3-1/4"	580A021
22	2"	3-1/8"	580A022
23	2"	3-1/8"	580A023
24	2"	3-1/8"	580A024
25	1-7/8"	3"	580A025
26	1-7/8"	3"	580A026

HEAVY-DUTY JOBBER LENGTH DRILLS

580 SERIES

HEAVY-DUTY COBALT

135° Split Point / Straight Shank

Number / Bronze



580

Size	Flute Length	Overall Length	580 Order No.
27	1-7/8"	3"	580A027
28	1-3/4"	2-7/8"	580A028
29	1-3/4"	2-7/8"	580A029
30	1-5/8"	2-3/4"	580A030
31	1-5/8"	2-3/4"	580A031
32	1-5/8"	2-3/4"	580A032
33	1-1/2"	2-5/8"	580A033
34	1-1/2"	2-5/8"	580A034
35	1-1/2"	2-5/8"	580A035
36	1-7/16"	2-1/2"	580A036
37	1-7/16"	2-1/2"	580A037
38	1-7/16"	2-1/2"	580A038
39	1-3/8"	2-3/8"	580A039
40	1-3/8"	2-3/8"	580A040
41	1-3/8"	2-3/8"	580A041
42	1-1/4"	2-1/4"	580A042
43	1-1/4"	2-1/4"	580A043

Size	Flute Length	Overall Length	580 Order No.
44	1-1/8"	2-1/8"	580A044
45	1-1/8"	2-1/8"	580A045
46	1-1/8"	2-1/8"	580A046
47	1"	2"	580A047
48	1"	2"	580A048
49	1"	2"	580A049
50	1"	2"	580A050
51	1"	2"	580A051
52	7/8"	1-7/8"	580A052
53*	7/8"	1-7/8"	580A053
54*	7/8"	1-7/8"	580A054
55*	7/8"	1-7/8"	580A055
56*	3/4"	1-3/4"	580A056
57*	3/4"	1-3/4"	580A057
58*	11/16"	1-5/8"	580A058
59*	11/16"	1-5/8"	580A059
60*	11/16"	1-5/8"	580A060

*Not split point

#1 thru #60 - 12 per pack

540 SERIES

HEAVY-DUTY COBALT

135° Split Point / Straight Shank

Letter / Bronze



540

Size	Flute Length	Overall Length	540 Order No.
A	2-5/8"	3-7/8"	540A501
B	2-3/4"	4"	540A502
C	2-3/4"	4"	540A503
D	2-3/4"	4"	540A504
E	2-3/4"	4"	540A505
F	2-7/8"	4-1/8"	540A506
G	2-7/8"	4-1/8"	540A507
H	2-7/8"	4-1/8"	540A508
I	2-7/8"	4-1/8"	540A509
J	2-7/8"	4-1/8"	540A510
K	2-15/16"	4-1/4"	540A511
L	2-15/16"	4-1/4"	540A512
M	3-1/16"	4-3/8"	540A513

Size	Flute Length	Overall Length	540 Order No.
N	3-1/16"	4-3/8"	540A514
O	3-3/16"	4-1/2"	540A515
P	3-5/16"	4-5/8"	540A516
Q	3-7/16"	4-3/4"	540A517
R	3-7/16"	4-3/4"	540A518
S	3-1/2"	4-7/8"	540A519
T	3-1/2"	4-7/8"	540A520
U	3-5/8"	5"	540A521
V	3-5/8"	5"	540A522
W	3-3/4"	5-1/8"	540A523
X	3-3/4"	5-1/8"	540A524
Y	3-7/8"	5-1/4"	540A525
Z	3-7/8"	5-1/4"	540A526

"A" thru "L" - 12 per pack, "M" thru "Z" - 6 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72

Corresponding Sets		
No. of Pcs.	Description	Order No.
500/540/580 & 500E/580E Series Cobalt Heavy-Duty Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	500A13
15	1/16" - 1/2" by 32 ^{nds}	500A15
21	1/16" - 3/8" by 64 ^{ths}	500A21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	500A21V
26	A - Z	500A26
29	1/16" - 1/2" by 64 ^{ths}	500A29
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	500AW29
60	#1 - #60	500A60
115	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	500A0115



500A29

HEAVY-DUTY JOBBER LENGTH DRILLS

500E SERIES

HEAVY-DUTY COBALT

135° Split Point / Straight Shank

Fractional / Bronze



500E

Size	Flute Length	Overall Length	500E Order No.
1/16"	7/8"	1-7/8"	500E104
5/64"	1"	2"	500E105
3/32"	1-1/4"	2-1/4"	500E106
7/64"	1-1/2"	2-5/8"	500E107
1/8"	1-5/8"	2-3/4"	500E108
9/64"	1-3/4"	2-7/8"	500E109
5/32"	2"	3-1/8"	500E110
11/64"	2-1/8"	3-1/4"	500E111
3/16"	2-5/16"	3-1/2"	500E112
13/64"	2-7/16"	3-5/8"	500E113
7/32"	2-1/2"	3-3/4"	500E114
15/64"	2-5/8"	3-7/8"	500E115
1/4"	2-3/4"	4"	500E116
17/64"	2-7/8"	4-1/8"	500E117
9/32"	2-15/16"	4-1/4"	500E118
19/64"	3-1/16"	4-3/8"	500E119
5/16"	3-3/16"	4-1/2"	500E120
21/64"	3-5/16"	4-5/8"	500E121
11/32"	3-7/16"	4-3/4"	500E122
23/64"	3-1/2"	4-7/8"	500E123
3/8"	3-5/8"	5"	500E124
25/64"	3-3/4"	5-1/8"	500E125
13/32"	3-7/8"	5-1/4"	500E126
27/64"	3-15/16"	5-3/8"	500E127
7/16"	4-1/16"	5-1/2"	500E128
29/64"	4-3/16"	5-5/8"	500E129
15/32"	4-5/16"	5-3/4"	500E130
31/64"	4-3/8"	5-7/8"	500E131
1/2"	4-1/2"	6"	500E132

1/16" thru 19/64" - 12 per pack., 5/16" thru 1/2" - 6 per pack.



500E29

Corresponding Sets		
No. of Pcs.	Description	Order No.
500E/580E Series Cobalt Heavy-Duty Jobber Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	500E13
15	1/16" - 1/2" by 32 ^{nds}	500E15
21	1/16" - 3/8" by 64 ^{ths}	500E21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	500E21V
29	1/16" - 1/2" by 64 ^{ths}	500E29
60	#1 - #60	500E60

580E SERIES

HEAVY-DUTY COBALT

135° Split Point / Straight Shank

Number / Bronze



580E

Size	Flute Length	Overall Length	580E Order No.
1	2-5/8"	3-7/8"	580E001
2	2-1/2"	3-7/8"	580E002
3	2-1/2"	3-3/4"	580E003
4	2-1/2"	3-3/4"	580E004
5	2-1/2"	3-3/4"	580E005
6	2-1/2"	3-3/4"	580E006
7	2-7/16"	3-5/8"	580E007
8	2-7/16"	3-5/8"	580E008
9	2-7/16"	3-5/8"	580E009
10	2-7/16"	3-5/8"	580E010
11	2-5/16"	3-1/2"	580E011
12	2-5/16"	3-1/2"	580E012
13	2-5/16"	3-1/2"	580E013
14	2-3/16"	3-3/8"	580E014
15	2-3/16"	3-3/8"	580E015
16	2-3/16"	3-1/4"	580E016
17	2-3/16"	3-1/4"	580E017
18	2-1/8"	3-1/4"	580E018
19	2-1/8"	3-1/4"	580E019
20	2-1/8"	3-1/4"	580E020
21	2-1/8"	3-1/4"	580E021
22	2"	3-1/8"	580E022
23	2"	3-1/8"	580E023
24	2"	3-1/8"	580E024
25	1-7/8"	3"	580E025
26	1-7/8"	3"	580E026
27	1-7/8"	3"	580E027
28	1-3/4"	2-7/8"	580E028
29	1-3/4"	2-7/8"	580E029
30	1-5/8"	2-3/4"	580E030
31	1-5/8"	2-3/4"	580E031
32	1-5/8"	2-3/4"	580E032
33	1-1/2"	2-5/8"	580E033
34	1-1/2"	2-5/8"	580E034
35	1-1/2"	2-5/8"	580E035
36	1-7/16"	2-1/2"	580E036
37	1-7/16"	2-1/2"	580E037
38	1-7/16"	2-1/2"	580E038
39	1-3/8"	2-3/8"	580E039
40	1-3/8"	2-3/8"	580E040
41	1-3/8"	2-3/8"	580E041
42	1-1/4"	2-1/4"	580E042
43	1-1/4"	2-1/4"	580E043
44	1-1/8"	2-1/8"	580E044
45	1-1/8"	2-1/8"	580E045
46	1-1/8"	2-1/8"	580E046
47	1"	2"	580E047
48	1"	2"	580E048
49	1"	2"	580E049
50	1"	2"	580E050
51	1"	2"	580E051
52	7/8"	1-7/8"	580E052
53*	7/8"	1-7/8"	580E053
54*	7/8"	1-7/8"	580E054
55*	7/8"	1-7/8"	580E055
56*	3/4"	1-3/4"	580E056
57*	3/4"	1-3/4"	580E057
58*	11/16"	1-5/8"	580E058
59*	11/16"	1-5/8"	580E059
60*	11/16"	1-5/8"	580E060

* Not Split Point

HEAVY-DUTY 3/8" REDUCED SHANK DRILLS

Has all of the features of the Nitro® jobber drill, but with a 3/8" reduced shank for use in 3/8" drill chucks.

NITRO

1035N SERIES

HEAVY-DUTY HIGH SPEED STEEL

135° Split Point / 3/8" Reduced Shank

Jobber Length

Fractional / Black & Gold



1035N

Size	Flute Length	Overall Length	1035N Order No.
25/64"	3"	6"	1035N125
13/32"	3"	6"	1035N126
27/64"	3"	6"	1035N127
7/16"	3"	6"	1035N128
29/64"	3"	6"	1035N129
15/32"	3"	6"	1035N130
31/64"	3"	6"	1035N131

Size	Flute Length	Overall Length	1035N Order No.
1/2"	3"	6"	1035N132
17/32"	3"	6"	1035N134
9/16"	3"	6"	1035N136
5/8"	3"	6"	1035N140
11/16"	3"	6"	1035N144
3/4"	3"	6"	1035N148

25/64" - 1/2" - 6 per pack, 17/32" - 3/4" - 1 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
1035N Series Reduced Shank Drill Sets		
15	1/16" - 1/2" by 32 ^{nds}	1035N15
29	1/16" - 1/2" by 64 ^{ths}	1035N29



1035N15

HEAVY-DUTY JOBBER LENGTH DRILLS SETS



400N29



450TW29



100SE15

No. of Pieces	Brand	Material	Coating/Finish	Point Angle	Description	Order No.
400N/440N/480N Series Nitro^{MC} Heavy-Duty Jobber Drill Sets						
13	Nitro [®]	High Speed Steel	Black & Gold	135°	1/16" - 1/4" by 64 ^{ths}	400N13
15	Nitro [®]	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 32 ^{nds}	400N15
19	Nitro [®]	High Speed Steel	Black & Gold	135°	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	400N19
21	Nitro [®]	High Speed Steel	Black & Gold	135°	1/16" - 3/8" by 64 ^{ths}	400N21
21	Nitro [®]	High Speed Steel	Black & Gold	135°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	400N21V
26	Nitro [®]	High Speed Steel	Black & Gold	135°	A - Z	400N26
29	Nitro [®]	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 64 ^{ths}	400N29
29	Nitro [®]	High Speed Steel	Black & Gold	135°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400NW29
60	Nitro [®]	High Speed Steel	Black & Gold	135°	#1 - #60	400N60
115	Nitro [®]	High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	400N0115
450T Series Jobber Drill Sets						
13		High Speed Steel	TiN Tipped	135°	1/16" - 1/4" by 64 ^{ths}	450T13
15		High Speed Steel	TiN Tipped	135°	1/16" - 1/2" by 32 ^{nds}	450T15
21		High Speed Steel	TiN Tipped	135°	1/16" - 3/8" by 64 ^{ths}	450T21
29		High Speed Steel	TiN Tipped	135°	1/16" - 1/2" by 64 ^{ths}	450T29
29		High Speed Steel	TiN Tipped	135°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	450TW29
60		High Speed Steel	TiN Tipped	135°	#1 - 60	450T60
100SE Series Jobber Drill Sets						
13		High Speed Steel	Black Oxide	118°	1/16" - 1/4" by 64 ^{ths}	100SE13
15		High Speed Steel	Black Oxide	118°	1/16" - 1/2" by 32 ^{nds}	100SE15
21		High Speed Steel	Black Oxide	118°	1/16" - 3/8" by 64 ^{ths}	100SE21
21		High Speed Steel	Black Oxide	118°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	100SE21V
29		High Speed Steel	Black Oxide	118°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	100SEW29
29		High Speed Steel	Black Oxide	118°	1/16" - 1/2" by 64 ^{ths}	100SE29

HEAVY-DUTY JOBBER LENGTH DRILLS SETS



200B29

No. of Pieces	Made in	Material	Coating/Finish	Point Angle	Description	Order No.
200/240/280 Series Jobber Drill Sets						
13	USA	High Speed Steel	Black Oxide	118°	1/16" - 1/4" by 64 ^{ths}	200A13
15	USA	High Speed Steel	Black Oxide	118°	1/16" - 1/2" by 32 ^{nds}	200A15
19	USA	High Speed Steel	Black Oxide	118°	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	200A19
20	USA	High Speed Steel	Black Oxide	118°	#61 - #80	200A20
21	USA	High Speed Steel	Black Oxide	118°	1/16" - 3/8" by 64 ^{ths}	200A21
21	USA	High Speed Steel	Black Oxide	118°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	200A21V
26	USA	High Speed Steel	Black Oxide	118°	A - Z	200A26
29	USA	High Speed Steel	Black Oxide	118°	1/16" - 1/2" by 64 ^{ths}	200A29
29	USA	High Speed Steel	Black Oxide	118°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	200AW29
60	USA	High Speed Steel	Black Oxide	118°	#1 - #60	200A60
115	USA	High Speed Steel	Black Oxide	118°	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	200A0115
200B/240B/280B Series Jobber Drill Sets						
13	USA	High Speed Steel	Bright	118°	1/16" - 1/4" by 64 ^{ths}	200B13
15	USA	High Speed Steel	Bright	118°	1/16" - 1/2" by 32 ^{nds}	200B15
19	USA	High Speed Steel	Bright	118°	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	200B19
21	USA	High Speed Steel	Bright	118°	1/16" - 3/8" by 64 ^{ths}	200B21
21	USA	High Speed Steel	Bright	118°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	200B21V
26	USA	High Speed Steel	Bright	118°	A - Z	200B26
29	USA	High Speed Steel	Bright	118°	1/16" - 1/2" by 64 ^{ths}	200B29
60	USA	High Speed Steel	Bright	118°	#1 - #60	200B60
115	USA	High Speed Steel	Bright	118°	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	200B0115

HEAVY-DUTY JOBBER LENGTH DRILLS SETS



400HD21

No. of Pieces	Made in	Material	Coating/Finish	Point Angle	Description	Order No.
400/440/480 & 400E Series Heavy-Duty Jobber Drill Sets						
13	USA	High Speed Steel	Black Oxide	135°	1/16" - 1/4" by 64 ^{ths}	400HD13
15	USA	High Speed Steel	Black Oxide	135°	1/16" - 1/2" by 32 ^{nds}	400HD15
19	USA	High Speed Steel	Black Oxide	135°	Maintenance Set - 1/16, 5/64, 3/32, 1/8, #29, #25, 5/32, #21, 3/16, #7, 7/32, 1/4, F, 5/16, U, 3/8, 27/64, 7/16, 1/2	400A19
21	USA	High Speed Steel	Black Oxide	135°	1/16" - 3/8" by 64 ^{ths}	400HD21
21	USA	High Speed Steel	Black Oxide	135°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	400HD21V
26	USA	High Speed Steel	Black Oxide	135°	A - Z	400HD26
29	USA	High Speed Steel	Black Oxide	135°	1/16" - 1/2" by 64 ^{ths}	400HD29
29	USA	High Speed Steel	Black Oxide	135°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400AW29
60	USA	High Speed Steel	Black Oxide	135°	#1 - #60	400HD60
115	USA	High Speed Steel	Black Oxide	135°	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	400HD0115
13		High Speed Steel	Black & Gold	135°	1/16" - 1/4" by 64 ^{ths}	400HDE13
15		High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 32 ^{nds}	400HDE15
21		High Speed Steel	Black & Gold	135°	1/16" - 3/8" by 64 ^{ths}	400HDE21
21		High Speed Steel	Black & Gold	135°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	400HDE21V
29		High Speed Steel	Black & Gold	135°	1/16" - 1/2" by 64 ^{ths}	400HDE29
29		High Speed Steel	Black & Gold	135°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	400EW29

HEAVY-DUTY JOBBER LENGTH DRILLS SETS



500AW29



500

No. of Pieces	Made in	Material	Coating/Finish	Point Angle	Description	Order No.
500/540/580 & 500E/580E Series Cobalt Heavy-Duty Jobber Drill Sets						
13	USA	Cobalt	Bronze	135°	1/16" - 1/4" by 64 ^{ths}	500A13
15	USA	Cobalt	Bronze	135°	1/16" - 1/2" by 32 ^{nds}	500A15
21	USA	Cobalt	Bronze	135°	1/16" - 3/8" by 64 ^{ths}	500A21
21	USA	Cobalt	Bronze	135°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	500A21V
26	USA	Cobalt	Bronze	135°	A - Z	500A26
29	USA	Cobalt	Bronze	135°	1/16" - 1/2" by 64 ^{ths}	500A29
29	USA	Cobalt	Bronze	135°	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	500AW29
60	USA	Cobalt	Bronze	135°	#1 - #60	500A60
115	USA	Cobalt	Bronze	135°	1/16" - 1/2" by 64 ^{ths} , #1 - 60, A - Z	500A0115
13		Cobalt	Bronze	135°	1/16" - 1/4" by 64 ^{ths}	500E13
15		Cobalt	Bronze	135°	1/16" - 1/2" by 32 ^{nds}	500E15
21		Cobalt	Bronze	135°	1/16" - 3/8" by 64 ^{ths}	500E21
21		Cobalt	Bronze	135°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	500E21V
29		Cobalt	Bronze	135°	1/16" - 1/2" by 64 ^{ths}	500E29
60		Cobalt	Bronze	135°	#1 - #60	500E60



800A13



200LH29

No. of Pieces	Made in	Material	Coating/Finish	Point Angle	Description	Order No.
800 Series Metric Jobber Drill Sets						
13		High Speed Steel	Black & Gold	135°	1mm - 7mm by 0.5mm	800A13
19		High Speed Steel	Black & Gold	135°	1mm - 10mm by 0.5mm	800A19
25		High Speed Steel	Black & Gold	135°	1mm - 13mm by 0.5mm	800A25
200LH Series Left Hand Jobber Drill Sets						
13	USA	High Speed Steel	Bright	118°	1/16" - 1/4" by 64 ^{ths}	200LH13
15	USA	High Speed Steel	Bright	118°	1/16" - 1/2" by 32 ^{nds}	200LH15
21	USA	High Speed Steel	Bright	118°	1/16" - 3/8" by 64 ^{ths}	200LH21
21	USA	High Speed Steel	Bright	118°	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	200LH21V
29	USA	High Speed Steel	Bright	118°	1/16" - 1/2" by 64 ^{ths}	200LH29

MECHANIC'S LENGTH DRILLS



Nitro® drills offer superior performance over conventional HSS drills. 135° 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
- ▷ Mechanic's length drill lengths are in-between jobber length and screw machine (stub) length
- ▷ 3-flat shank helps to reduce slippage in the drill chuck
- ▷ Available in bulk packaging

350N SERIES

HIGH SPEED STEEL

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



350N

NEW

Size	Flute Length	Overall Length	350N Order No.	Blister Pack Order No.
1/16"	7/8"	1-7/8"	350N104	350N104BP
5/64"	1"	2"	350N105	350N105BP
3/32"	1-1/4"	2-1/4"	350N106	350N106BP
7/64"	1-5/16"	2-3/8"	350N107	350N107BP
1/8"	1-7/16"	2-1/2"	350N108	350N108BP
9/64"	1-9/16"	2-5/8"	350N109	350N109BP
5/32"	1-11/16"	2-3/4"	350N110	350N110BP
11/64"	1-13/16"	2-7/8"	350N111	350N111BP
3/16"	1-7/8"	3"	350N112	350N112BP
13/64"	1-15/16"	3-1/8"	350N113	350N113BP
7/32"	2"	3-1/4"	350N114	350N114BP
15/64"	2-1/16"	3-3/8"	350N115	350N115BP
1/4"	2-3/32"	3-1/2"	350N116	350N116BP
17/64"	2-1/8"	3-5/8"	350N117	350N117BP

NEW

Size	Flute Length	Overall Length	350N Order No.	Blister Pack Order No.
9/32"	2-1/4"	3-3/4"	350N118	350N118BP
19/64"	2-3/8"	3-7/8"	350N119	350N119BP
5/16"	2-1/2"	4"	350N120	350N120BP
21/64"	2-9/16"	4-1/16"	350N121	350N121BP
11/32"	2-5/8"	4-1/8"	350N122	350N122BP
23/64"	2-11/16"	4-3/16"	350N123	350N123BP
3/8"	2-11/16"	4-1/4"	350N124	350N124BP
25/64"	2-3/4"	4-5/16"	350N125	350N125BP
13/32"	2-13/16"	4-3/8"	350N126	350N126BP
27/64"	2-7/8"	4-7/16"	350N127	350N127BP
7/16"	2-15/16"	4-1/2"	350N128	350N128BP
29/64"	3"	4-5/8"	350N129	350N129BP
15/32"	3-1/8"	4-3/4"	350N130	350N130BP
31/64"	3-1/4"	4-7/8"	350N131	350N131BP
1/2"	3-3/8"	5"	350N132	350N132BP

No flats on sizes smaller than 3/16"
1/16" thru 19/64" - 12 per pack.
5/16" thru 1/2" - 6 per pack.

Blister packs: 1 per package,
except for 1/16" - 5/32" which are 2 per pack

Sizes	Bulk Quantity
1/16" - 1/8"	504
9/64" - 13/64"	252
7/32" - 5/16"	132
21/64" - 1/2"	72

NEW

NOW AVAILABLE
IN BLISTER PACKS



350N21

Corresponding Sets		
No. of Pcs.	Description	Order No.
350N Series Nitro ^{MC} Mechanics Length Drill Sets		
13	1/16" - 1/4" by 64 ^{ths}	350N13
15	1/16" - 1/2" by 32 ^{nds}	350N15
21	1/16" - 3/8" by 64 ^{ths}	350N21
21	1/16" - 1/4" by 64 ^{ths} & 9/32" - 1/2" by 32 ^{nds}	350N21V
29	1/16" - 1/2" by 64 ^{ths}	350N29
29	DRILL PAL 1/16" - 1/2" by 64 ^{ths}	350NW29

MECHANIC'S LENGTH DRILLS

Nitro® drills offer superior performance over conventional HSS drills. 135° 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
- ▷ Mechanic's length drill lengths are in-between jobber length and screw machine (stub) length
- ▷ 3-flat shank helps to reduce slippage in the drill chuck
- ▷ Available in bulk packaging

1045N SERIES

HIGH SPEED STEEL

Mechanics Length / 135° Split Point / 3/8" Reduced Shank
 Fractional / Black & Gold



1045N

Size	Flute Length	Overall Length	1045N Order No.
25/64"	2-3/4"	4-5/16"	1045N125
13/32"	2-13/16"	4-3/8"	1045N126
27/64"	2-7/8"	4-7/16"	1045N127
7/16"	2-15/16"	4-1/2"	1045N128

Size	Flute Length	Overall Length	1045N Order No.
29/64"	3"	4-5/8"	1045N129
15/32"	3-1/8"	4-3/4"	1045N130
31/64"	3-1/4"	4-7/8"	1045N131
1/2"	3-3/8"	5"	1045N132

6 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
1045N Series Reduced Shank Drill Sets		
15	1/16" - 1/2" by 32 ^{nds}	1045N15
29	1/16" - 1/2" by 64 ^{ths}	1045N29



1045N15

SCREW MACHINE LENGTH DRILLS

Screw Machine Drills (NAS Type C) are designed for use in machines and portable drilling in sheet metal.

300A SERIES

HIGH SPEED STEEL

135° Split Point / Straight Shank
Fractional / Black Oxide



300A

Size	Flute Length	Overall Length	300 Order No.
1/16"	5/8"	1-5/8"	300A104
5/64"	11/16"	1-11/16"	300A105
3/32"	3/4"	1-3/4"	300A106
7/64"	13/16"	1-13/16"	300A107
1/8"	7/8"	1-7/8"	300A108
9/64"	15/16"	1-15/16"	300A109
5/32"	1"	2-1/16"	300A110
11/64"	1-1/16"	2-1/8"	300A111
3/16"	1-1/8"	2-3/16"	300A112
13/64"	1-3/16"	2-1/4"	300A113
7/32"	1-1/4"	2-3/8"	300A114
15/64"	1-5/16"	2-7/16"	300A115
1/4"	1-3/8"	2-1/2"	300A116
17/64"	1-7/16"	2-5/8"	300A117
9/32"	1-1/2"	2-11/16"	300A118

Size	Flute Length	Overall Length	300 Order No.
19/64"	1-9/16"	2-3/4"	300A119
5/16"	1-5/8"	2-13/16"	300A120
21/64"	1-11/16"	2-15/16"	300A121
11/32"	1-11/16"	3"	300A122
23/64"	1-3/4"	3-1/16"	300A123
3/8"	1-13/16"	3-1/8"	300A124
25/64"	1-7/8"	3-1/4"	300A125
13/32"	1-15/16"	3-5/16"	300A126
27/64"	2"	3-3/8"	300A127
7/16"	2-1/16"	3-7/16"	300A128
29/64"	2-1/8"	3-9/16"	300A129
15/32"	2-1/8"	3-5/8"	300A130
31/64"	2-3/16"	3-11/16"	300A131
1/2"	2-1/4"	3-3/4"	300A132

1/16" thru 19/64" - 12 per pack.
5/16" thru 1/2" - 6 per pack.

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & 0 - Z	72

Corresponding Sets		
No. of Pcs.	Description	Order No.
29	300 Series Screw Machine (Stub) Length Drill Sets 1/16" - 1/2" by 64 ^{ths}	300A29



300A29

SCREW MACHINE LENGTH DRILLS

340A SERIES

HIGH SPEED STEEL

135° Split Point / Straight Shank

Letter / Black Oxide



340A

Size	Flute Length	Overall Length	340A Order No.
A	1-5/16"	2-7/16"	340A501
B	1-3/8"	2-1/2"	340A502
C	1-3/8"	2-1/2"	340A503
D	1-3/8"	2-1/2"	340A504
E	1-3/8"	2-1/2"	340A505
F	1-7/16"	2-5/8"	340A506
G	1-7/16"	2-5/8"	340A507
H	1-1/2"	2-11/16"	340A508
I	1-1/2"	2-11/16"	340A509
J	1-1/2"	2-11/16"	340A510
K	1-1/2"	2-11/16"	340A511
L	1-9/16"	2-3/4"	340A512
M	1-9/16"	2-3/4"	340A513

Size	Flute Length	Overall Length	340A Order No.
N	1-5/8"	2-13/16"	340A514
O	1-11/16"	2-15/16"	340A515
P	1-11/16"	2-15/16"	340A516
Q	1-11/16"	3"	340A517
R	1-11/16"	3"	340A518
S	1-3/4"	3-1/16"	340A519
T	1-3/4"	3-1/16"	340A520
U	1-13/16"	3-1/8"	340A521
V	1-7/8"	3-1/4"	340A522
W	1-7/8"	3-1/4"	340A523
X	1-15/16"	3-5/16"	340A524
Y	1-15/16"	3-5/16"	340A525
Z	2"	3-3/8"	340A526

A - Z - 12 per pack

Sizes	Bulk Quantity
1/16" - 1/8" & #60 - #30	504
9/64" - 13/64" & #29 - #6	252
7/32" - 5/16" & #5 - #1 & A - N	132
21/64" - 1/2" & O - Z	72

SCREW MACHINE LENGTH DRILLS

380A SERIES

HIGH SPEED STEEL

135° Split Point / Straight Shank
Number / Black Oxide



380A



Size	Flute Length	Overall Length	380 Order No.
1	1-5/16"	2-7/16"	380A001
2	1-5/16"	2-7/16"	380A002
3	1-1/4"	2-3/8"	380A003
4	1-1/4"	2-3/8"	380A004
5	1-1/4"	2-3/8"	380A005
6	1-1/4"	2-3/8"	380A006
7	1-3/16"	2-1/4"	380A007
8	1-3/16"	2-1/4"	380A008
9	1-3/16"	2-1/4"	380A009
10	1-3/16"	2-1/4"	380A010
11	1-3/16"	2-1/4"	380A011
12	1-3/16"	2-1/4"	380A012
13	1-1/8"	2-3/16"	380A013
14	1-1/8"	2-3/16"	380A014
15	1-1/8"	2-3/16"	380A015
16	1-1/8"	2-3/16"	380A016
17	1-1/8"	2-3/16"	380A017
18	1-1/16"	2-1/8"	380A018
19	1-1/16"	2-1/8"	380A019
20	1-1/16"	2-1/8"	380A020
21	1-1/16"	2-1/8"	380A021
22	1-1/16"	2-1/8"	380A022
23	1"	2-1/16"	380A023
24	1"	2-1/16"	380A024
25	1"	2-1/16"	380A025
26	1"	2-1/16"	380A026
27	1"	2-1/16"	380A027
28	15/16"	1-15/16"	380A028
29	15/16"	1-15/16"	380A029
30	15/16"	1-15/16"	380A030

Size	Flute Length	Overall Length	380 Order No.
31	7/8"	1-7/8"	380A031
32	7/8"	1-7/8"	380A032
33	7/8"	1-7/8"	380A033
34	7/8"	1-7/8"	380A034
35	7/8"	1-7/8"	380A035
36	13/16"	1-13/16"	380A036
37	13/16"	1-13/16"	380A037
38	13/16"	1-13/16"	380A038
39	13/16"	1-13/16"	380A039
40	13/16"	1-13/16"	380A040
41	13/16"	1-13/16"	380A041
42	3/4"	1-3/4"	380A042
43	3/4"	1-3/4"	380A043
44	3/4"	1-3/4"	380A044
45	3/4"	1-3/4"	380A045
46	3/4"	1-3/4"	380A046
47	11/16"	1-11/16"	380A047
48	11/16"	1-11/16"	380A048
49	11/16"	1-11/16"	380A049
50	11/16"	1-11/16"	380A050
51	11/16"	1-11/16"	380A051
52	11/16"	1-11/16"	380A052
53*	5/8"	1-5/8"	380A053
54*	5/8"	1-5/8"	380A054
55*	5/8"	1-5/8"	380A055
56*	1/2"	1-3/8"	380A056
57*	1/2"	1-3/8"	380A057
58*	1/2"	1-3/8"	380A058
59*	1/2"	1-3/8"	380A059
60*	1/2"	1-3/8"	380A060

* Not Split Point

#1 thru #60 - 12 per pack

300E SERIES

HIGH SPEED STEEL

135° Split Point / Straight Shank
Fractional / Black Oxide



300E

Size	Flute Length	Overall Length	300E Order No.
1/16"	5/8"	1-5/8"	300E104
5/64"	11/16"	1-11/16"	300E105
3/32"	3/4"	1-3/4"	300E106
7/64"	13/16"	1-13/16"	300E107
1/8"	7/8"	1-7/8"	300E108
9/64"	15/16"	1-15/16"	300E109
5/32"	1"	2-1/16"	300E110
11/64"	1-1/16"	2-1/8"	300E111
3/16"	1-1/8"	2-3/16"	300E112
13/64"	1-3/16"	2-1/4"	300E113
7/32"	1-1/4"	2-3/8"	300E114
15/64"	1-5/16"	2-7/16"	300E115
1/4"	1-3/8"	2-1/2"	300E116
17/64"	1-7/16"	2-5/8"	300E117
9/32"	1-1/2"	2-11/16"	300E118

Size	Flute Length	Overall Length	300E Order No.
19/64"	1-9/16"	2-3/4"	300E119
5/16"	1-5/8"	2-13/16"	300E120
21/64"	1-11/16"	2-15/16"	300E121
11/32"	1-11/16"	3"	300E122
23/64"	1-3/4"	3-1/16"	300E123
3/8"	1-13/16"	3-1/8"	300E124
25/64"	1-7/8"	3-1/4"	300E125
13/32"	1-15/16"	3-5/16"	300E126
27/64"	2"	3-3/8"	300E127
7/16"	2-1/16"	3-7/16"	300E128
29/64"	2-1/8"	3-9/16"	300E129
15/32"	2-1/8"	3-5/8"	300E130
31/64"	2-3/16"	3-11/16"	300E131
1/2"	2-1/4"	3-3/4"	300E132

1/16" thru 19/64" - 12 per pack.
5/16" thru 1/2" - 6 per pack.

SCREW MACHINE LENGTH DRILLS

Nitro^{MC} drills (NAS Type C) offer superior performance over conventional HSS drills. 135° Split Point reduces walking at the drill point and makes these drills ideal for both hand held and CNC Operations. Black & Gold surface treatment for maximum lubricity. Usable in a wide range of materials including difficult to machine materials such as stainless steel.

NITRO

300N SERIES

HIGH SPEED STEEL

135° Split Point / Straight Shank
Fractional / Black & Gold



300N

Size	Flute Length	Overall Length	300N Order No.
1/16"	5/8"	1-5/8"	300N104
5/64"	11/16"	1-11/16"	300N105
3/32"	3/4"	1-3/4"	300N106
7/64"	13/16"	1-13/16"	300N107
1/8"	7/8"	1-7/8"	300N108
9/64"	15/16"	1-15/16"	300N109
5/32"	1"	2-1/16"	300N110
11/64"	1-1/16"	2-1/8"	300N111
3/16"	1-1/8"	2-3/16"	300N112
13/64"	1-3/16"	2-1/4"	300N113
7/32"	1-1/4"	2-3/8"	300N114
15/64"	1-5/16"	2-7/16"	300N115
1/4"	1-3/8"	2-1/2"	300N116
17/64"	1-7/16"	2-5/8"	300N117
9/32"	1-1/2"	2-11/16"	300N118

Size	Flute Length	Overall Length	300N Order No.
19/64"	1-9/16"	2-3/4"	300N119
5/16"	1-5/8"	2-13/16"	300N120
21/64"	1-11/16"	2-15/16"	300N121
11/32"	1-11/16"	3"	300N122
23/64"	1-3/4"	3-1/16"	300N123
3/8"	1-13/16"	3-1/8"	300N124
25/64"	1-7/8"	3-1/4"	300N125
13/32"	1-15/16"	3-5/16"	300N126
27/64"	2"	3-3/8"	300N127
7/16"	2-1/16"	3-7/16"	300N128
29/64"	2-1/8"	3-9/16"	300N129
15/32"	2-1/8"	3-5/8"	300N130
31/64"	2-3/16"	3-11/16"	300N131
1/2"	2-1/4"	3-3/4"	300N132

1/16" thru 19/64" - 12 per pack., 5/16" thru 1/2" - 6 per pack.

Corresponding Sets		
No. of Pcs.	Description	Order No.
300N Series Screw Machine (Stub) Length Heavy-Duty Drill Sets		
29	1/16" - 1/2" by 64 ^{ths}	300N29



300N29

SCREW MACHINE LENGTH DRILLS

These drill bits have short flutes as well as a short overall length for maximum rigidity when drilling in sheet metal. They are made with a cobalt blend to provide a long service life in hard materials such as stainless steel.

300C SERIES

COBALT

135° Split Point / Straight Shank
Fractional / Bronze



300C

Size	Flute Length	Overall Length	300C Order No.
1/16"	5/8"	1-5/8"	300C104
5/64"	11/16"	1-11/16"	300C105
3/32"	3/4"	1-3/4"	300C106
7/64"	13/16"	1-13/16"	300C107
1/8"	7/8"	1-7/8"	300C108
9/64"	15/16"	1-15/16"	300C109
5/32"	1"	2-1/16"	300C110
11/64"	1-1/16"	2-1/8"	300C111
3/16"	1-1/8"	2-3/16"	300C112
13/64"	1-3/16"	2-1/4"	300C113
7/32"	1-1/4"	2-3/8"	300C114
15/64"	1-5/16"	2-7/16"	300C115
1/4"	1-3/8"	2-1/2"	300C116
17/64"	1-7/16"	2-5/8"	300C117
9/32"	1-1/2"	2-11/16"	300C118
19/64"	1-9/16"	2-3/4"	300C119
5/16"	1-5/8"	2-13/16"	300C120
21/64"	1-11/16"	2-15/16"	300C121
11/32"	1-11/16"	3"	300C122
23/64"	1-3/4"	3-1/16"	300C123
3/8"	1-13/16"	3-1/8"	300C124
25/64"	1-7/8"	3-1/4"	300C125
13/32"	1-15/16"	3-5/16"	300C126
27/64"	2"	3-3/8"	300C127
7/16"	2-1/16"	3-7/16"	300C128
29/64"	2-1/8"	3-9/16"	300C129
15/32"	2-1/8"	3-5/8"	300C130
31/64"	2-3/16"	3-11/16"	300C131
1/2"	2-1/4"	3-3/4"	300C132

1/16" thru 19/64" - 12 per pack, 5/16" thru 1/2" - 6 per pack



300C29

380C SERIES

COBALT

135° Split Point / Straight Shank
Number / Bronze



380C

Size	Flute Length	Overall Length	380C Order No.
1	1-5/16"	2-7/16"	380C001
2	1-5/16"	2-7/16"	380C002
3	1-1/4"	2-3/8"	380C003
4	1-1/4"	2-3/8"	380C004
5	1-1/4"	2-3/8"	380C005
6	1-1/4"	2-3/8"	380C006
7	1-3/16"	2-1/4"	380C007
8	1-3/16"	2-1/4"	380C008
9	1-3/16"	2-1/4"	380C009
10	1-3/16"	2-1/4"	380C010
11	1-3/16"	2-1/4"	380C011
12	1-3/16"	2-1/4"	380C012
13	1-1/8"	2-3/16"	380C013
14	1-1/8"	2-3/16"	380C014
15	1-1/8"	2-3/16"	380C015
16	1-1/8"	2-3/16"	380C016
17	1-1/8"	2-3/16"	380C017
18	1-1/16"	2-1/8"	380C018
19	1-1/16"	2-1/8"	380C019
20	1-1/16"	2-1/8"	380C020
21	1-1/16"	2-1/8"	380C021
22	1-1/16"	2-1/8"	380C022
23	1"	2-1/16"	380C023
24	1"	2-1/16"	380C024
25	1"	2-1/16"	380C025
26	1"	2-1/16"	380C026
27	1"	2-1/16"	380C027
28	15/16"	1-15/16"	380C028
29	15/16"	1-15/16"	380C029
30	15/16"	1-15/16"	380C030
31	7/8"	1-7/8"	380C031
32	7/8"	1-7/8"	380C032
33	7/8"	1-7/8"	380C033
34	7/8"	1-7/8"	380C034
35	7/8"	1-7/8"	380C035
36	13/16"	1-13/16"	380C036
37	13/16"	1-13/16"	380C037
38	13/16"	1-13/16"	380C038
39	13/16"	1-13/16"	380C039
40	13/16"	1-13/16"	380C040

#1 thru #40 - 12 per pack

Corresponding Sets		
No. of Pcs.	Description	Order No.
29	1/16" - 1/2" by 64 ^{ths}	300C29