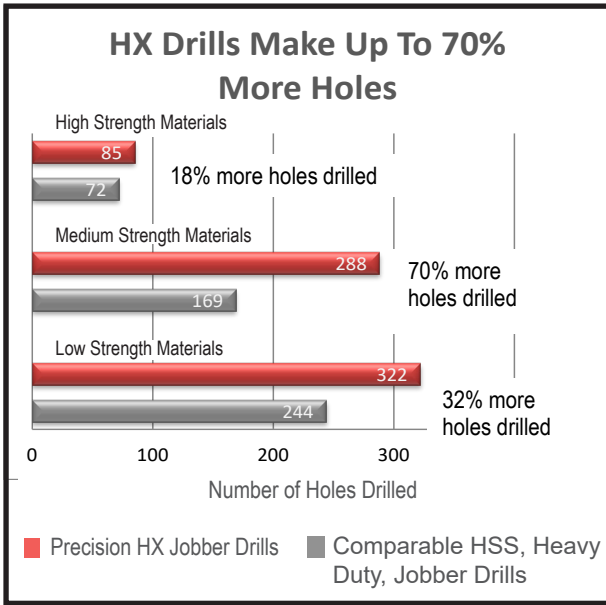


HX JOBBER DRILL

PRECISION

The HX Jobber Drill Series combines the strength of HSS with a 135° Split Point to allow lower thrust requirements, improved cutting action and reduced walking.



Benefits:

- **Reduced** walking
- Stronger – lasts longer
- Runs faster
- Better chip control

HX10 - Fractional Sizes
HX15 - Letter Sizes
HX18 - Wire Gauge Sizes

Improved Flute Geometry For Effective Chip Evacuation

Unique Purple/Bronze Oxide Coating Provides Increased Wear Resistance

135° Split Point, Self-Centering

Size	Decimal Equivalent	Flute Length	Overall Length	Pack Qty	HX10 HX15 HX18
1/16	0.0625	7/8	1.7/8	12	022004
52	0.0635	7/8	1.7/8	12	022152
51	0.0670	1"	2"	12	022151
50	0.0700	1"	2"	12	022150
49	0.0730	1"	2"	12	022149
48	0.0760	1"	2"	12	022148
5/64	0.0781	1"	2"	12	022005
47	0.0785	1"	2"	12	022147
46	0.0810	1.1/8	2.1/8	12	022146
45	0.0820	1.1/8	2.1/8	12	022145
44	0.0860	1.1/8	2.1/8	12	022144
43	0.0890	1.1/4	2.1/4	12	022143
42	0.0935	1.1/4	2.1/4	12	022142
3/32	0.0938	1.1/4	2.1/4	12	022006
41	0.0960	1.3/8	2.3/8	12	022141
40	0.0980	1.3/8	2.3/8	12	022140
39	0.0995	1.3/8	2.3/8	12	022139
38	0.1015	1.7/16	2.1/2	12	022138
37	0.1040	1.7/16	2.1/2	12	022137
36	0.1065	1.7/16	2.1/2	12	022136
7/64	0.1094	1.1/2	2.5/8	12	022007
35	0.1100	1.1/2	2.5/8	12	022135
34	0.1110	1.1/2	2.5/8	12	022134
33	0.1130	1.1/2	2.5/8	12	022133
32	0.1160	1.5/8	2.3/4	12	022132
31	0.1200	1.5/8	2.3/4	12	022131

Size	Decimal Equivalent	Flute Length	Overall Length	Pack Qty	HX10 HX15 HX18
1/8	0.1250	1.5/8	2.3/4	12	022008
30	0.1285	1.5/8	2.3/4	12	022130
29	0.1360	1.3/4	2.7/8	12	022129
28	0.1405	1.3/4	2.7/8	12	022128
9/64	0.1406	1.3/4	2.7/8	12	022009
27	0.1440	1.7/8	3"	12	022127
26	0.1470	1.7/8	3"	12	022126
25	0.1495	1.7/8	3"	12	022125
24	0.1520	2"	3.1/8	12	022124
23	0.1540	2"	3.1/8	12	022123
5/32	0.1563	2"	3.1/8	12	022010
22	0.1570	2"	3.1/8	12	022122
21	0.1590	2.1/8	3.1/4	12	022121
20	0.1610	2.1/8	3.1/4	12	022120
19	0.1660	2.1/8	3.1/4	12	022119

Dormer Pramet Authorized Distributor

DORMER PRAMET

Size	Decimal Equivalent	Flute Length	Overall Length	Pack Qty	HX10 HX15 HX18
18	0.1695	2.1/8	3.1/4	12	022118
11/64	0.1719	2.1/8	3.1/4	12	022011
17	0.1730	2.3/16	3.3/8	12	022117
16	0.1770	2.3/16	3.3/8	12	022116
15	0.1800	2.3/16	3.3/8	12	022115
14	0.1820	2.3/16	3.3/8	12	022114
13	0.1850	2.5/16	3.1/2	12	022113
3/16	0.1875	2.5/16	3.1/2	12	022012
12	0.1890	2.5/16	3.1/2	12	022112
11	0.1910	2.5/16	3.1/2	12	022111
10	0.1935	2.7/16	3.5/8	12	022110
9	0.1960	2.7/16	3.5/8	12	022109
8	0.1990	2.7/16	3.5/8	12	022108
7	0.2010	2.7/16	3.5/8	12	022107
13/64	0.2031	2.7/16	3.5/8	12	022013
6	0.2040	2.1/2	3.3/4	12	022106
5	0.2055	2.1/2	3.3/4	12	022105
4	0.2090	2.1/2	3.3/4	12	022104
3	0.2130	2.1/2	3.3/4	12	022103
7/32	0.2188	2.1/2	3.3/4	12	022014
2	0.2210	2.5/8	3.7/8	12	022102
1	0.2280	2.5/8	3.7/8	12	022101
A	0.2340	2.5/8	3.7/8	12	022201
15/64	0.2344	2.5/8	3.7/8	12	022015
B	0.2374	2.3/4	4"	12	022202
C	0.2421	2.3/4	4"	12	022203
D	0.2461	2.3/4	4"	12	022204
E	0.2500	2.3/4	4"	12	022205
1/4	0.2500	2.3/4	4"	12	022016
F	0.2571	2.7/8	4.1/8	12	022206
G	0.2610	2.7/8	4.1/8	12	022207
17/64	0.2656	2.7/8	4.1/8	12	022017

Size	Decimal Equivalent	Flute Length	Overall Length	Pack Qty	HX10 HX15 HX18
H	0.2661	2.7/8	4.1/8	12	022208
I	0.2720	2.7/8	4.1/8	12	022209
J	0.2772	2.7/8	4.1/8	12	022210
K	0.2811	2.15/16	4.1/4	12	022211
9/32	0.2813	2.15/16	4.1/4	12	022018
L	0.2902	2.15/16	4.1/4	12	022212
M	0.2949	3.1/16	4.3/8	12	022213
19/64	0.2969	3.1/16	4.3/8	12	022019
N	0.3020	3.1/16	4.3/8	12	022214
5/16	0.3125	3.3/16	4.1/2	6	022020
O	0.3161	3.3/16	4.1/2	6	022215
P	0.3228	3.5/16	4.5/8	6	022216
21/64	0.3281	3.5/16	4.5/8	6	022021
Q	0.3319	3.7/16	4.3/4	6	022217
R	0.3390	3.7/16	4.3/4	6	022218
11/32	0.3437	3.7/16	4.3/4	6	022022
S	0.3480	3.1/2	4.7/8	6	022219
T	0.3580	3.1/2	4.7/8	6	022220
23/64	0.3594	3.1/2	4.7/8	6	022023
U	0.3680	3.5/8	5"	6	022221
3/8	0.3750	3.5/8	5"	6	022024
V	0.3772	3.5/8	5"	6	022222
W	0.3858	3.3/4	5.1/8	6	022223
25/64	0.3906	3.3/4	5.1/8	6	022025
X	0.3969	3.3/4	5.1/8	6	022224
Y	0.4039	3.7/8	5.1/4	6	022225
13/32	0.4063	3.7/8	5.1/4	6	022026
Z	0.4130	3.7/8	5.1/4	6	022226
27/64	0.4219	3.15/16	5.3/8	6	022027
7/16	0.4375	4.1/16	5.1/2	6	022028
29/64	0.4531	4.3/16	5.5/8	6	022029
15/32	0.4687	4.5/16	5.3/4	6	022030
31/64	0.4844	4.3/8	5.7/8	6	022031
1/2	0.5000	4.1/2	6"	6	022032

HSS



ANSI



HX OPERATING PARAMETERS

MATERIAL GROUP	BHN HARDNESS	NORMAL CHIP FORM	SFM/ALPHA SYMBOL
1. STEEL			
1.1 Magnetic Soft Steel, Leaded Steels	≤120	Extra Long	115D
1.2 Structural Steel, Case Carburizing Steel	≤ 200	Medium/Long	70D
1.3 Plain Carbon Steel Low, Medium Carbon	≤ 250	Long	75E
1.4 Alloyed Steel, Medium Carbon, Tool Steel, Wrought	≤ 250	Long	70D
1.5 Alloyed Steel, Hardened and Tempered Steel, Tool Steel	≥ 250 ≤ 350	Long	55C
1.6 alloyed Steel, Hardened and Tempered Steel, Tool Steel	> 350 ≤ 400	Long	—
2. STAINLESS STEEL			
2.1 Free Machining Stainless Steel	≤ 250	Medium	150E
2.2 Austenitic	≤ 250	Long	60D
2.3 Ferritic + Austenitic, Ferritic, Martensitic	≤ 300	Long	55C
2.4 Precipitation Hardened	≤ 300	Long	—
3. CAST IRON			
3.1 Soft Gray Cast, Ferritic	≤ 150	Extra Short	170F
3.2 Soft Gray Cast, Pearlitic	> 150 ≤ 260	Extra Short	90E
3.3 Nodular Graphite, Malleable Cast Iron	> 150 ≤ 250	Medium/Short	95D
3.4 Nodular Graphite, Malleable Cast Iron	> 250 ≤ 320	Medium/Short	60C
4. TITANIUM			
4.1 Titanium, Unalloyed	≤ 200	Extra Long	95D
4.2 Titanium Alloy, Cast	≤ 270	Medium/Short	75D
4.3 Titanium Alloys	> 270 ≤ 350	Medium/Short	—
5. NICKEL			
5.1 Nickel, Unalloyed	≤ 150	Extra Long	60D

ALPHA SYMBOL CHART						
1/16	1/8	3/16	1/4	5/16	3/8	1/2
C .0015	.0030	.0030	.0040	.0060	.0060	.0080
D .0020	.0040	.0050	.0060	.0080	.0090	.0110
E .0020	.0050	.0060	.0080	.0100	.0130	.0160
F .0030	.0060	.0080	.0100	.0130	.0160	.0200

Ask your sales person
about our (29) piece
Fractional set
1/16 - 1/2 x 64ths
C29HX10SET
EDP # 091010



To use this chart

- Select Material Group to Determine the SFM
- Using the chart below, match the Alpha symbol with your drill to find the IPR
- Calculate RPM (SFM/D x 3.82) and IPM (IPR x RPM)

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