

# HSS BLACK OXIDE COATED 118° JOBBER DRILLS

## Fractional Sizes

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
1/64	0.0156	3/16	3/4
1/32	0.0312	1/2	1-3/8
3/64	0.0469	3/4	1-3/4
1/16	0.0625	7/8	1-7/8
5/64	0.0781	1	2
3/32	0.0938	1-1/4	2-1/4
7/64	0.1094	1-1/2	2-5/8
1/8	0.1250	1-5/8	2-3/4
9/64	0.1406	1-3/4	2-7/8
5/32	0.1562	2	3-1/8
11/64	0.1719	2-1/8	3-1/4
3/16	0.1875	2-5/16	3-1/2
13/64	0.2031	2-7/16	3-5/8
7/32	0.2188	2-1/2	3-3/4
15/64	0.2344	3-1/16	4-3/8
1/4	0.2500	2-3/4	4
17/64	0.2656	2-7/8	4-1/8
9/32	0.2812	2-15/16	4-1/4
19/64	0.2969	3-1/16	4-3/8
5/16	0.3125	3-3/16	4-1/2
21/64	0.3281	3-5/16	4-5/8
11/32	0.3438	3-7/16	4-3/4
23/64	0.3594	3-1/2	4-7/8
3/8	0.3750	3-5/8	5
25/64	0.3906	3-3/4	5-1/8
13/32	0.4062	3-7/8	5-1/4
27/64	0.4219	3-15/16	5-3/8
7/16	0.4375	4-1/16	5-1/2
29/64	0.4531	4-3/16	5-5/8
15/32	0.4688	4-5/16	5-3/4
31/64	0.4844	4-3/8	5-7/8
1/2	0.5000	4-1/2	6
33/64	0.5156	4-13/16	6-5/8
17/32	0.5313	4-13/16	6-5/8
35/64	0.5469	4-13/16	6-5/8
9/16	0.5625	4-13/16	6-5/8
37/64	0.5781	4-13/16	6-5/8
19/32	0.5938	5-3/16	7-1/8
39/64	0.6094	5-3/16	7-1/8
5/8	0.6250	5-3/16	7-1/8
41/64	0.6406	5-3/16	7-1/8
21/32	0.6562	5-3/16	7-1/8
43/64	0.6719	5-5/8	7-5/8
11/16	0.6875	5-5/8	7-5/8

## Wire Sizes

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
#80	0.0135	1/8	3/4
#79	0.0145	1/8	3/4
#78	0.0160	3/16	7/8
#77	0.0180	3/16	7/8
#76	0.0200	3/16	7/8
#75	0.0210	1/4	1
#74	0.0225	1/4	1
#73	0.0240	5/16	1-1/8
#72	0.0250	5/16	1-1/8
#71	0.0260	3/8	1-1/4
#70	0.0280	3/8	1-1/4
#69	0.0292	1/2	1-3/8
#68	0.02310	1/2	1-3/8

## Wire Sizes continued

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
#67	0.0320	1/2	1-3/8
#66	0.0330	1/2	1-3/8
#65	0.0350	5/8	1-1/2
#64	0.0360	5/8	1-1/2
#63	0.0370	5/8	1-1/2
#62	0.0380	5/8	1-1/2
#61	0.0390	11/16	1-5/8
#60	0.0400	11/16	1-5/8
#59	0.0410	11/16	1-5/8
#58	0.0420	11/16	1-5/8
#57	0.0430	3/4	1-3/4
#56	0.0465	3/4	1-3/4
#55	0.0520	7/8	1-7/8
#54	0.0550	7/8	1-7/8
#53	0.0595	7/8	1-7/8
#52	0.0635	7/8	1-7/8
#51	0.0670	1	2
#50	0.0700	1	2
#49	0.0730	1	2
#48	0.0760	1	2
#47	0.0785	1	2
#46	0.0810	1-1/8	2-1/8
#45	0.0820	1-1/8	2-1/8
#44	0.0860	1-1/8	2-1/8
#43	0.0890	1-1/4	2-1/4
#42	0.0935	1-1/4	2-1/4
#41	0.0960	1-3/8	2-3/8
#40	0.0980	1-3/8	2-3/8
#39	0.0995	1-3/8	2-3/8
#38	0.1015	1-7/16	2-1/2
#37	0.1040	1-7/16	2-1/2
#36	0.1065	1-7/16	2-1/2
#35	0.1100	1-1/2	2-5/8
#34	0.1110	1-1/2	2-5/8
#33	0.1130	1-1/2	2-5/8
#32	0.1160	1-5/8	2-3/4
#31	0.1200	1-5/8	2-3/4
#30	0.1285	1-5/8	2-3/4
#29	0.1360	1-3/4	2-7/8
#28	0.1405	1-3/4	2-7/8
#27	0.1440	1-7/8	3
#26	0.1470	1-7/8	3
#25	0.1495	1-7/8	3
#24	0.1520	2	3-1/8
#23	0.1540	2	3-1/8
#22	0.1570	2	3-1/8
#21	0.1590	2-1/8	3-1/4
#20	0.1610	2-1/8	3-1/4
#19	0.1660	2-1/8	3-1/4
#18	0.1695	2-1/8	3-1/4
#17	0.1730	2-3/16	3-3/8
#16	0.1770	2-3/16	3-3/8
#15	0.1800	2-3/16	3-3/8
#14	0.1820	2-3/16	3-3/8
#13	0.1850	2-5/16	3-1/2
#12	0.1890	2-5/16	3-1/2
#11	0.1910	2-5/16	3-1/2
#10	0.1935	2-7/16	3-5/8
#09	0.1960	2-7/16	3-5/8
#08	0.1990	2-7/16	3-5/8
#07	0.2010	2-7/16	3-5/8

## Wire Sizes continued

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
#06	0.2040	2-1/2	3-3/4
#05	0.2055	2-1/2	3-3/4
#04	0.2090	2-1/2	3-3/4
#03	0.2130	2-1/2	3-3/4
#02	0.2210	2-5/8	3-7/8
#01	0.2280	2-5/8	3-7/8

## Letter Sizes

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
A	0.2340	2-5/8	3-7/8
B	0.2380	2-3/4	4
C	0.2420	2-3/4	4
D	0.2460	2-3/4	4
E	0.2500	2-3/4	4
F	0.2570	2-7/8	4-1/8
G	0.2610	2-7/8	4-1/8
H	0.2660	2-7/8	4-1/8
I	0.2720	2-7/8	4-1/8
J	0.2770	2-7/8	4-1/8
K	0.2810	2-15/16	4-1/4
L	0.2900	2-15/16	4-1/4
M	0.2950	3-1/16	4-3/8
N	0.3020	3-1/16	4-3/8
O	0.3160	3-3/16	4-1/2
P	0.3260	3-5/16	4-5/8
Q	0.3320	3-7/16	4-3/4
R	0.3390	3-7/16	4-3/4
S	0.3480	3-1/2	4-7/8
T	0.3580	3-1/2	4-7/8
U	0.3680	3-5/8	5
V	0.3770	3-5/8	5
W	0.3860	3-3/4	5-1/8
X	0.3970	3-3/4	5-1/8
Y	0.4040	3-7/8	5-1/4
Z	0.4130	3-7/8	5-1/4

# HSS BLACK OXIDE 118° SCREW MACHINE DRILLS

## SHORT LENGTH

### Fractional Sizes

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
3/64	0.0469	1/2	1-3/8
1/16	0.0625	5/8	1-5/8
5/64	0.0781	11/16	1-11/16
3/32	0.0938	3/4	1-3/4
7/64	0.1094	13/16	1-13/16
1/8	0.1250	7/8	1-7/8
9/64	0.1406	15/16	1-15/16
5/32	0.1562	1	2-1/16
11/64	0.1719	1-1/16	2-1/8
3/16	0.1875	1-1/8	2-3/16
13/16	0.2031	1-3/16	2-1/4
7/32	0.2188	1-1/4	2-3/8
15/64	0.2344	1-5/16	2-7/16
1/4	0.2500	1-3/8	2-1/2
17/64	0.2656	1-7/16	2-5/8
9/32	0.2812	1-1/2	2-11/16
19/64	0.2969	1-9/16	2-3/4
5/16	0.3125	1-5/8	2-13/16
21/64	0.3281	1-11/16	2-15/16
11/32	0.3438	1-11/16	3
23/64	0.3594	1-3/4	3-1/16
3/8	0.3750	1-13/16	3-1/8
25/64	0.3906	1-7/8	3-1/4
13/32	0.4062	1-15/16	3-5/16
27/64	0.4219	2	3-3/8
7/16	0.4375	2-1/16	3-7/16
29/64	0.4531	2-1/8	3-9/16
15/32	0.4688	2-1/8	3-5/8
31/64	0.4844	2-3/16	3-11/16
1/2	0.5000	2-1/4	3-3/4
33/64	0.5156	2-3/8	3-7/8
17/32	0.5313	2-3/8	3-7/8
35/64	0.5469	2-1/2	4
9/16	0.5625	2-1/2	4
37/64	0.5781	2-5/8	4-1/8
19/32	0.5938	2-5/8	4-1/8
39/64	0.6094	2-3/4	4-1/4
5/8	0.6250	2-3/4	4-1/4
41/64	0.6406	2-7/8	4-1/2
21/32	0.6562	2-7/8	4-1/2
43/64	0.6719	2-7/8	4-5/8
11/16	0.6875	2-7/8	4-5/8
45/64	0.7031	3	4-3/4
23/32	0.7188	3	4-3/4
47/64	0.7344	3-1/8	5
3/4	0.7500	3-1/8	5
49/64	0.7656	3-1/4	5-1/8
25/32	0.7812	3-1/4	5-1/8
51/64	0.7969	3-3/8	5-1/4
13/16	0.8125	3-3/8	5-1/4
53/64	0.8281	3-1/2	5-3/8
27/32	0.8438	3-1/2	5-3/8
55/64	0.8594	3-1/2	5-1/2
7/8	0.8750	3-1/2	5-1/2
57/64	0.8906	3-5/8	5-5/8
29/32	0.9062	3-5/8	5-5/8
59/64	0.9219	3-3/4	5-3/4
15/16	0.9375	3-3/4	5-3/4
61/64	0.9531	3-7/8	5-7/8
31/32	0.9688	3-7/8	5-7/8
63/64	0.9844	4	6

### Fractional Sizes continued

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
1	1.0000	4	6
1-1/32	1.0312	4-1/4	6-5/8
1-1/16	1.0625	4	6-1/4
1-3/32	1.0938	4	6-3/8
1-1/8	1.1250	4	6-3/8
1-5/32	1.1562	4	6-3/4
1-3/16	1.1875	4-1/4	6-5/8
1-7/32	1.2188	4-3/8	6-3/4
1-1/4	1.2500	4-3/8	6-3/4
1-9/32	1.2812	4-3/8	7
1-5/16	1.3125	4-3/8	7
1-11/32	1.3438	4-1/2	7-1/8
1-3/8	1.3750	4-1/2	7-1/8
1-13/32	1.4062	4-3/4	7-3/8
1-7/16	1.4375	4-3/4	7-3/8
1-15/32	1.4688	4-7/8	7-1/2
1-1/2	1.5000	4-7/8	7-1/2
1-17/32	1.5313	4-7/8	7-3/4
1-9/16	1.5625	4-7/8	7-3/4
1-19/32	1.5938	4-7/8	7-1/2
1-5/8	1.6250	4-7/8	7-1/2
1-21/32	1.6562	5-1/4	8
1-11/16	1.6875	5-1/8	8
1-3/4	1.7500	5-1/8	8
1-13/16	1.8125	5-3/8	8-1/4
1-7/8	1.8750	5-3/8	8-1/4
1-15/16	1.9375	5-3/8	8-1/2
2	2.0000	5-5/8	8-1/2

### Wire Sizes

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
#60	0.0400	1/2	1-3/8
#59	0.0410	1/2	1-3/8
#58	0.0420	1/2	1-3/8
#57	0.0430	1/2	1-3/8
#56	0.0465	1/2	1-3/8
#55	0.0520	5/8	1-5/8
#54	0.0550	5/8	1-5/8
#53	0.0595	5/8	1-5/8
#52	0.0635	11/16	1-11/16
#51	0.0670	11/16	1-11/16
#50	0.0700	11/16	1-11/16
#49	0.0730	11/16	1-11/16
#48	0.0760	11/16	1-11/16
#47	0.0785	3/4	1-3/4
#46	0.0810	3/4	1-3/4
#45	0.0820	3/4	1-3/4
#44	0.0860	3/4	1-3/4
#43	0.0890	3/4	1-3/4
#42	0.0935	3/4	1-3/4
#41	0.0960	13/16	1-13/16
#40	0.0980	13/16	1-13/16
#39	0.0995	13/16	1-13/16
#38	0.1015	13/16	1-13/16
#37	0.1040	13/16	1-13/16
#36	0.1065	13/16	1-13/16
#35	0.1100	7/8	1-7/8
#34	0.1110	7/8	1-7/8
#33	0.1130	7/8	1-7/8
#32	0.1160	7/8	1-7/8

### Wire Sizes continued

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
#31	0.1200	7/8	1-7/8
#30	0.1285	15/16	1-15/16
#29	0.1360	15/16	1-15/16
#28	0.1405	15/16	1-15/16
#27	0.1440	1	2-1/16
#26	0.1470	1	2-1/16
#25	0.1495	1	2-1/16
#24	0.1520	1	2-1/16
#23	0.1540	1	2-1/16
#22	0.1570	1-1/16	2-1/8
#21	0.1590	1-1/16	2-1/8
#20	0.1610	1-1/16	2-1/8
#19	0.1660	1-1/16	2-1/8
#18	0.1695	1-1/16	2-1/8
#17	0.1730	1-1/8	2-3/16
#16	0.1770	1-1/8	2-3/16
#15	0.1800	1-1/8	2-3/16
#14	0.1820	1-1/8	2-3/16
#13	0.1850	1-1/8	2-3/16
#12	0.1890	1-3/16	2-1/4
#11	0.1910	1-3/16	2-1/4
#10	0.1935	1-3/16	2-1/4
#09	0.1960	1-3/16	2-1/4
#08	0.1990	1-3/16	2-1/4
#07	0.2010	1-3/16	2-1/4
#06	0.2040	1-1/4	2-3/8
#05	0.2055	1-1/4	2-3/8
#04	0.2090	1-1/4	2-3/8
#03	0.2130	1-1/4	2-3/8
#02	0.2210	1-5/16	2-7/16
#01	0.2280	1-5/16	2-7/16

### Letter Sizes

Size (in.)	Dec. Equiv. (in.)	Flute L (in.)	OAL (in.)
A	0.2340	1-5/16	2-7/16
B	0.2380	1-3/8	2-1/2
C	0.2420	1-3/8	2-1/2
D	0.2460	1-3/8	2-1/2
E	0.2500	1-3/8	2-1/2
F	0.2570	1-7/16	2-5/8
G	0.2610	1-7/16	2-5/8
H	0.2660	1-1/2	2-11/16
I	0.2720	1-1/2	2-11/16
J	0.2770	1-1/2	2-11/16
K	0.2810	1-1/2	2-11/16
L	0.2900	1-9/16	2-3/4
M	0.2950	1-9/16	2-3/4
N	0.3020	1-5/8	2-13/16
O	0.3160	1-11/16	2-15/16
P	0.3260	1-11/16	2-15/16
Q	0.3320	1-11/16	3
R	0.3390	1-11/16	3
S	0.3480	1-3/4	3-1/16
T	0.3580	1-3/4	3-1/16
U	0.3680	1-13/16	3-1/8
V	0.3770	1-7/8	3-1/4
W	0.3860	1-7/8	3-1/4
X	0.3970	1-15/16	3-5/16
Y	0.4040	1-15/16	3-5/16
Z	0.4130	2	3-3/8