

### Clearance Hole Drill Chart

The chart below displays a variety of common screw sizes and their clearance hole recommendations. The table provides two different class of fits, Close Fit and Free Fit.

Each number or diameter of screw size has its own Close Fit or Free Fit, independent of threads per inch. Each fit is tolerated so that a threaded object can pass through the hole while the head of the object will not. Free fit has a larger allowance while Close Fit has a tighter allowance.

Screw Size		Close Fit		Free Fit	
No. or Diameter	Diameter Equivalent	Drill Size	Decimal Equivalent	Drill Size	Decimal Equivalent
000	0.0340	65	0.0350	62	0.0380
00	0.0440	3/64	0.0469	55	0.0520
0	0.0600	52	0.0635	50	0.0700
1	0.0730	48	0.0760	46	0.0810
2	0.0860	43	0.0890	41	0.0960
3	0.0990	37	0.1040	35	0.1100
4	0.1120	32	0.1160	30	0.1285
5	0.1250	30	0.1285	29	0.1360
6	0.1380	27	0.1440	25	0.1495
8	0.1640	18	0.1695	16	0.1770
10	0.1900	9	0.1960	7	0.2010
12	0.2160	2	0.2210	1	0.2280
1/4	0.2500	F	0.2570	H	0.2660
5/16	0.3125	P	0.3230	Q	0.3320
3/8	0.3750	W	0.3860	X	0.3970
7/16	0.4375	29/64	0.4531	15/32	0.4687
1/2	0.5000	33/64	0.5156	17/32	0.5312
9/16	0.5625	37/64	0.5781	19/32	0.5938
5/8	0.6250	41/64	0.6406	21/32	0.6562
11/16	0.6875	45/64	0.7031	23/32	0.7188
3/4	0.7500	49/64	0.7656	25/32	0.7812
13/16	0.8125	53/64	0.8281	27/32	0.8438
7/8	0.8750	57/64	0.8906	29/32	0.9062
15/16	0.9375	61/64	0.9531	31/32	0.9688
1	1.0000	1-1/64	1.0156	1-1/32	1.0313