

Screw Size	Major Diameter	TPI	Minor Diameter	Tap Drill				Clearance Drill				Socket Head Cap Screws				Flat Head Cap Screws	
				75% Thread for Aluminum, Brass, Plastics		50% Thread for Stainless, Cast Iron & Iron		Close Fit		Free Fit		Hex	Counterbore			Hex	Countersink Depth
				Drill Size	Dec. Eq.	Drill Size	Dec. Eq.	Drill Size	Dec. Eq.	Drill Size	Dec. Eq.		Drill Size	Dec. Eq.	Depth		
0	.0600	80	.0447	3/64	.0469	55	.0520	52	.0635	50	.0700	0.050	1/8	.125	.0740	0.035	.0440
1	.0730	64	.0538	53	.0595	1/16	.0625	48	.0760	46	.0810	1/16	5/32	.1562	.0870	1/20	.0540
		72	.0560	53	.0595	52	.0635			41	.0960	5/64	3/16	.1875	.1020	1/20	.0640
2	.0860	56	.0641	50	.0700	49	.0730	37	.1040	35	.1100		7/32	.2188	.1150	1/16	.0730
		64	.0668	50	.0700	48	.0760			30	.1285	3/32	7/32	.2188	.1300	1/16	.0830
3	.0990	48	.0734	47	.0785	44	.0860	32	.1160	30	.1285		7/32	.2188	.1300	1/16	.0830
		56	.0771	45	.0820	43	.0890			29	.1360	1/4	.2500	.1450	5/64	.0900	
4	.1120	40	.0813	43	.0890	41	.0960	30	.1285	25	.1495		9/32	.2812	.1580	5/64	.0970
		48	.0864	42	.0935	40	.0980			18	.1695	F	5/16	.3125	.1880	3/32	.1120
5	.125	40	.0943	38	.1015	7/64	.1094	27	.1440	16	.1770		9/64	.3750	.2180	1/8	.1270
		44	.0971	37	.1040	35	.1100			9	.1960	H	7/16	.4375	.2780	5/32	.1610
6	.138	32	.0997	36	.1065	32	.1160	2	.2210	1	.2280		3/8	.3750	.2180	1/8	.1350
		40	.1073	33	.1130	31	.1200			F	.2570	P	3/16	.4375	.2780	5/32	.1610
8	.1640	32	.1257	29	.1360	27	.1440	18	.1695	16	.1770		7/16	.4375	.2780	5/32	.1610
		36	.1299	29	.1360	26	.1470			9	.1960	Q	7/32	.3750	.2180	1/8	.1270
10	.1900	24	.1389	25	.1495	20	.1610	2	.2210	7	.2010		3/8	.3750	.2180	1/8	.1270
		32	.1517	21	.1590	18	.1695			P	.3230	W	17/32	.5312	.3460	3/16	.1980
12	.2160	24	.1649	16	.1770	12	.1890	18	.3860	1	.2280		3/16	.4375	.2780	5/32	.1610
		28	.1722	14	.1820	10	.1935			W	.3860	X	5/16	.6250	.4150	7/32	.2340
1/4	.2500	32	.1777	13	.1850	9	.1960	29/64	.4531	15/32	.4688	33/64	5/8	.6250	.4150	7/32	.2340
		20	.1887	7	.2010	7/32	.2188			15/32	.4688		3/8	.7188	.4830	1/4	.2340
5/16	.3125	28	.2062	3	.2130	1	.2280	37/64	.5781	17/32	.5938	1/2	23/32	.9062	.5940		
		32	.2117	7/32	.2188	1	.2280			19/32	.5938		1/2	29/32	.9062	.5940	
3/8	.3750	18	.2443	F	.2570	I	.2770	41/64	.6406	21/32	.6562	1/2	13/16	.8125	.5520	5/16	.2510
		24	.2614	I	.2720	9/32	.2812			15/32	.6562		1/2	1	1.000	.6890	3/8
7/16	.4375	16	.2983	5/16	.3125	Q	.3320	45/64	.7031	23/32	.7188	49/64	23/32	.8438			
		24	.3239	Q	.3320	S	.3480			23/32	.7188		23/32	.8438			
1/2	.5000	32	.3367	11/32	.3438	T	.3580	53/64	.8281	31/32	.9688	1/2	31/32	.9688			
		13	.4056	27/64	.4219	29/64	.4531			31/32	.9688		31/32	.9688			
9/16	.5625	20	.4387	29/64	.4531	15/32	.4688	57/64	.8906	29/32	.9062	1/2	29/32	.9062	.5940		
		28	.4562	15/32	.4688	15/32	.4688			29/32	.9062		29/32	.9062	.5940		
5/8	.6250	12	.4603	31/64	.4844	33/64	.5156	61/64	.9531	31/32	.9688	1/2	31/32	.9688			
		18	.4943	33/64	.5156	17/32	.5312			31/32	.9688		31/32	.9688			
11/16	.6875	11	.5135	17/32	.5312	9/16	.5625	1-1/64	1.0156	1-1/32	1.0313	3/4	1-5/8	1.6250	1.1000	5/8	.5400
		18	.5568	37/64	.5781	19/32	.5938			1-1/32	1.0313		1-5/8	1.6250	1.1000	5/8	.5400
3/4	.7500	24	.5739	37/64	.5781	19/32	.5938	1-1/64	1.0156	1-1/32	1.0313	3/4	1-3/16	1.1875	.8280	1/2	.3960
		10	.6273	21/32	.6562	11/16	.6875			1-1/32	1.0313		1-3/16	1.1875	.8280	1/2	.39