

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
2	.0860	56	.0641	50	.0700	49	.0730	43	.0890	37	.1040	5/64	7/32	.2188	.1150	1/16	.0730
		64	.0668	50	.0700	48	.0760			35	.1100		7/32	.2188	.1300	1/16	.0830
3	.0990	48	.0734	47	.0785	44	.0860	32	.1160	30	.1285	3/32	7/32	.2188	.1150	1/16	.0730
		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	27	.1440	7/64	9/32	.2812	.1580	5/64	.0970
		48	.0864	42	.0935	40	.0980			25	.1495		9/32	.3125	.1880	3/32	.1120
5	.125	40	.0943	38	.1015	7/64	.1094	18	.1695	16	.1770	9/64	5/16	.3750	.2180	1/8	.1270
		44	.0971	37	.1040	35	.1100			7	.2010		5/32	3/8	.3750	.2180	1/8
6	.138	32	.0997	36	.1065	32	.1160	2	.2210	1	.2280	5/32	3/8	.3750	.2180	1/8	.1610
		40	.1073	33	.1130	31	.1200			1	.2280		5/32	3/8	.3750	.2180	1/8
8	.1640	32	.1257	29	.1360	27	.1440	F	.2570	H	.2660	3/16	7/16	.4375	.2780	5/32	.1610
		36	.1299	29	.1360	26	.1470			7	.2010		5/32	3/8	.3750	.2180	1/8
10	.1900	24	.1389	25	.1495	20	.1610	P	.3230	Q	.3320	1/4	17/32	.5312	.3460	3/16	.1980
		32	.1517	21	.1590	18	.1695			1	.2280		5/32	3/8	.3750	.2180	1/8
12	.2160	24	.1649	16	.1770	12	.1890	W	.3860	X	.3970	5/16	5/8	.6250	.4150	7/32	.2340
		28	.1722	14	.1820	10	.1935			5/16	.2010		5/32	3/8	.3750	.2180	1/8
1/4	.2500	20	.1887	7	.2010	7/32	.2188	29/64	.4531	15/32	.4688	3/8	23/32	.7188	.4830	1/4	.2340
		28	.2062	3	.2130	1	.2280			1	.2280		5/32	3/8	.3750	.2180	1/8
5/16	.3125	32	.2117	7/32	.2188	1	.2280	33/64	.5156	17/32	.5312	3/8	13/16	.8125	.5520	5/16	.2510
		18	.2443	F	.2570	J	.2770			1	.2280		5/32	3/8	.3750	.2180	1/8
3/8	.3750	24	.2614	I	.2720	9/32	.2812	37/64	.5781	L	.5938	1/2	29/32	.9062	.5940		
		32	.2742	9/32	.2812					19/32			5/16	.6250	.4150	7/32	.2340
7/16	.4375	16	.2983	5/16	.3125	Q	.3320	41/64	.6406	21/32	.6562	1/2	1	1.000	.6890	3/8	.3240
		24	.3239	Q	.3320	S	.3480			21/32	.6562		1/2	1	1.000	.6890	3/8
1/2	.5000	32	.3367	11/32	.3438	T	.3580	49/64	.7656	25/32	.7812	5/8	1-3/16	1.1875	.8280	1/2	.3960
		14	.3499	U	.3680	25/64	.3906			23/32	.7812		5/8	1-3/8	1.3750	.9630	9/16
9/16	.5625	20	.3762	25/64	.3906	13/32	.4062	57/64	.8906	29/32	.9062	3/4	1-3/8	1.3750	.9630	9/16	.4680
		28	.3937	Y	.4040	Z	.4130			31/32	.9062		3/4	1-3/8	1.3750	.9630	9/16
5/8	.6250	13	.4056	27/64	.4219	29/64	.4531	61/64	.9531	31/32	.9688	3/4	1-5/8	1.6250	1.1000	5/8	.5400
		20	.4387	29/64	.4531	15/32	.4688			31/32	.9688		3/4	1-5/8	1.6250	1.1000	5/8
11/16	.6875	12	.4603	31/64	.4844	33/64	.5156	1-1/64	1.0156	27/32	.8438	3/4	1-5/8	1.6250	1.1000	5/8	.5400
		18	.4943	33/64	.5156	17/32	.5312			27/32	.8438		3/4	1-5/8	1.6250	1.1000	5/8
3/4	.7500	24	.5114	33/64	.5156	17/32	.5312	1-1/64	1.0156	21/32	.6562	1/2	1	1.000	.6890	3/8	.3240
		11	.5135	17/32	.5312	9/16	.5625			21/32	.6562		1/2	1	1.000	.6890	3/8
13/16	.8125	18	.5568	37/64	.5781	19/32	.5938	1-1/64	1.0156	23/32	.7188	3/4	1-3/8	1.3750	.9630	9/16	.4680
		24	.5739	37/64	.5781	19/32	.5938			23/32	.7188		3/4	1-3/8	1.3750	.9630	9/16
7/8	.8750	24	.6364	41/64	.6406	21/32	.6562	49/64	.7656	23/32	.7188	5/8	1-3/16	1.1875	.8280	1/2	.3960
		10	.6273	21/32	.6562	11/16	.6875			23/32	.7188		5/8	1-3/16	1.1875	.8280	1/2
15/16	.9375	16	.6733	11/16	.6875	45/64	.7031	57/64	.8906	29/32	.9062	3/4	1-3/8	1.3750	.9630	9/16	.4680
		20	.6887	45/64	.7031	23/32	.7188			29/32	.9062		3/4	1-3/8	1.3750	.9630	9/16
1	1.000	20	.7512	49/64	.7656	25/32	.7812	61/64	.9531	31/32	.9688	3/4	1-5/8	1.6250	1.1000	5/8	.5400
		9	.7387	49/64	.7656	51/64	.7969			31/32	.9688		3/4	1-5/8	1.6250	1.1000	5/8
1	1.000	12	.8978	15/16	.9375	61/64	.9531	1-1/64	1.0156	21/32	.8438	3/4	1-5/8	1.6250	1.1000	5/8	.5400
		20	.9387	61/64	.9531	31/32	.9688			21/32	.8438		3/4	1-5/8	1.6250	1.1000	5/8