

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			43	.0890	41	.0960	5/64	3/16	.1875	.1020
2	.0860	56	.0641	50	.0700	49	.0730	37	.1040	35	.1100	5/64	7/32	.2188	.1150	1/16	.0730
		64	.0668	50	.0700	48	.0760			35	.1100	33	.1160	7/64	9/32	.2812	.1580
3	.0990	48	.0734	47	.0785	44	.0860	32	.1160	30	.1285	3/32	7/32	.2188	.1300	1/16	.0830
		56	.0771	45	.0820	43	.0890			27	.1440	25	.1495	7/64	9/32	.3125	.1880
4	.1120	40	.0813	43	.0890	41	.0960	30	.1285	29	.1360	3/32	1/4	.2500	.1450	5/64	.0900
		48	.0864	42	.0935	40	.0980			20	.1695	18	.1770	9/64	5/16	.3750	.2180
5	.125	40	.0943	38	.1015	7/64	.1094	9	.1960	7	.2010	5/32	3/8	.4375	.2780	5/32	.1610
		44	.0971	37	.1040	35	.1100			18	.2210	16	.2280	5/32	3/8	.5312	.3460
6	.138	32	.0997	36	.1065	32	.1160	F	.2570	H	.2660	3/16	7/16	.6250	.4150	7/32	.2340
		40	.1073	33	.1130	31	.1200			17	.2860	15	.2935	7/64	9/32	.6625	.4500
8	.1640	32	.1257	29	.1360	27	.1440	P	.3230	Q	.3320	1/4	17/32	.7188	.4830	1/4	.2340
		36	.1299	29	.1360	26	.1470			15	.3530	13	.3600	7/64	9/32	.8125	.5520
10	.1900	24	.1389	25	.1495	20	.1610	2	.3860	18	.3970	5/32	3/8	.8750	.5625	7/32	.3000
		32	.1517	21	.1590	18	.1695			13	.4130	11	.4200	7/64	9/32	.9375	.6250
12	.2160	24	.1649	16	.1770	12	.1890	W	.4531	10	.4688	3/8	23/32	.7500	.5000	7/32	.3000
		28	.1722	14	.1820	10	.1935			8	.4830	6	.4900	7/64	9/32	.8125	.5520
1/4	.2500	32	.1777	13	.1850	9	.1960	F	.5156	7	.5312	3/8	13/16	.8750	.6250	7/32	.3000
		20	.1887	7	.2010	7/32	.2188			6	.5625	4	.5700	7/64	9/32	.9375	.6250
5/16	.3125	28	.2062	3	.2130	1	.2280	P	.5938	3	.6000	3/8	11/16	.9375	.6250	7/32	.3000
		32	.2117	7/32	.2188	1	.2280			2	.6250	1	.6325	7/64	9/32	.9630	.6250
3/8	.3750	18	.2443	F	.2570	I	.2770	W	.6406	H	.6562	3/8	9/16	.9630	.6250	7/32	.3000
		24	.2614	I	.2720	9/32	.2812			G	.6888	2	.7000	7/64	9/32	.9630	.6250
7/16	.4375	32	.2742	9/32	.2812	L	.2900	29/64	.7188	K	.7312	3/8	7/16	.9630	.6250	7/32	.3000
		16	.2983	5/16	.3125	Q	.3320			J	.7500	2	.7625	7/64	9/32	.9630	.6250
1/2	.5000	24	.3239	Q	.3320	S	.3480	33/64	.8281	R	.7750	3/8	13/16	.9630	.6250	7/32	.3000
		32	.3367	11/32	.3438	T	.3580			P	.8438	2	.8562	7/64	9/32	.9630	.6250
9/16	.5625	14	.3499	U	.3680	25/64	.3906	41/64	.9062	Q	.9000	3/8	21/32	.9630	.6250	7/32	.3000
		20	.3762	25/64	.3906	13/32	.4062			P	.9236	2	.9375	7/64	9/32	.9630	.6250
5/8	.6250	28	.3937	Y	.4040	Z	.4130	49/64	.9531	Y	.9500	3/8	19/32	.9630	.6250	7/32	.3000
		13	.4056	27/64	.4219	29/64	.4531			X	.9588	2	.9725	7/64	9/32	.9630	.6250
11/16	.6875	20	.4387	29/64	.4531	15/32	.4688	57/64	.9830	Y	.9625	3/8	17/32	.9630	.6250	7/32	.3000
		28	.4562	15/32	.4688	15/32	.4688			Z	.9688	2	.9825	7/64	9/32	.9630	.6250
3/4	.7500	12	.4603	31/64	.4844	33/64	.5156	61/64	.9900	W	.9900	3/8	15/32	.9630	.6250	7/32	.3000
		18	.4943	33/64	.5156	17/32	.5312			X	.99						