

Screw Size	Major Diameter	TPI	Minor Diameter	Tap Drill				Clearance Drill				Socket Head Cap Screws			
				75% Thread for Aluminum, Brass, Plastics		50% Thread for Stainless, Cast Iron & Iron		Close Fit		Free Fit		Hex	Counterbore		
				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
1	.0730	64	.0538	53	.0595	1/16	.0625	48	.0760	46	.0810	1/16	5/32	.1562	.0870
		72	.0560	53	.0595	52	.0635								
2	.0860	56	.0641	50	.0700	49	.0730	43	.0890	41	.0960	5/64	3/16	.1875	.1020
		64	.0668	50	.0700	48	.0760								
3	.0990	48	.0734	47	.0785	44	.0860	37	.1040	35	.1100	5/64	7/32	.2188	.1150
		56	.0771	45	.0820	43	.0890								
4	.1120	40	.0813	43	.0890	41	.0960	32	.1160	30	.1285	3/32	7/32	.2188	.1300
		48	.0864	42	.0935	40	.0980								
5	.125	40	.0943	38	.1015	7/64	.1094	30	.1285	29	.1360	3/32	1/4	.2500	.1450
		44	.0971	37	.1040	35	.1100								
6	.138	32	.0997	36	.1065	32	.1160	27	.1440	25	.1495	7/64	9/32	.2812	.1580
		40	.1073	33	.1130	31	.1200								
8	.1640	32	.1257	29	.1360	27	.1440	18	.1695	16	.1770	9/64	5/16	.3125	.1880
		36	.1299	29	.1360	26	.1470								
10	.1900	24	.1389	25	.1495	20	.1610	9	.1960	7	.2010	5/32	3/8	.3750	.2180
		32	.1517	21	.1590	18	.1695								
12	.2160	24	.1649	16	.1770	12	.1890	2	.2210	1	.2280	5/32	3/8	.3750	.2180
		28	.1722	14	.1820	10	.1935								
		32	.1777	13	.1850	9	.1960								
1/4	.2500	20	.1887	7	.2010	7/32	.2188	F	.2570	H	.2660	3/16	7/16	.4375	.2780
		28	.2062	3	.2130	1	.2280								
		32	.2117	7/32	.2188	1	.2280								
5/16	.3125	18	.2443	F	.2570	J	.2770	P	.3230	Q	.3320	1/4	17/32	.5312	.3460
		24	.2614	I	.2720	9/32	.2812								
		32	.2742	9/32	.2812	L	.2900								
3/8	.3750	16	.2983	5/16	.3125	Q	.3320	W	.3860	X	.3970	5/16	5/8	.6250	.4150
		24	.3239	Q	.3320	S	.3480								
		32	.3367	11/32	.3438	T	.3580								
7/16	.4375	14	.3499	U	.3680	25/64	.3906	29/64	.4531	15/32	.4688	3/8	23/32	.7188	.4830
		20	.3762	25/64	.3906	13/32	.4062								
		28	.3937	Y	.4040	Z	.4130								
1/2	.5000	13	.4056	27/64	.4219	29/64	.4531	33/64	.5156	17/32	.5312	3/8	13/16	.8125	.5520
		20	.4387	29/64	.4531	15/32	.4688								
		28	.4562	15/32	.4688	15/32	.4688								
9/16	.5625	12	.4603	31/64	.4844	33/64	.5156	37/64	.5781	19/32	.5938	1/2	29/32	.9062	.5940
		18	.4943	33/64	.5156	17/32	.5312								
		24	.5114	33/64	.5156	17/32	.5312								
5/8	.6250	11	.5135	17/32	.5312	9/16	.5625	41/64	.6406	21/32	.6562	1/2	1	1.000	.6890
		18	.5568	37/64	.5781	19/32	.5938								
		24	.5739	37/64	.5781	19/32	.5938								
11/16	.6875	24	.6364	41/64	.6406	21/32	.6562	45/64	.7031	23/32	.7188				
3/4	.7500	10	.6273	21/32	.6562	11/16	.6875	49/64	.7656	25/32	.7812	5/8	1-3/16	1.1875	.8280
		16	.6733	11/16	.6875	45/64	.7031								
		20	.6887	45/64	.7031	23/32	.7188								
13/16	.8125	20	.7512	49/64	.7656	25/32	.7812	53/64	.8281	27/32	.8438				
7/8	.8750	9	.7387	49/64	.7656	51/64	.7969	57/64	.8906	29/32	.9062	3/4	1-3/8	1.3750	.9630
		14	.7874	13/16	.8125	53/64	.8281								
		20	.8137	53/64	.8281	27/32	.8438								
15/16	.9375	20	.8762	57/64	.8906	29/32	.9062	61/64	.9531	31/32	.9688				
1	1.000	8	.8466	7/8	.8750	59/64	.9219	1-1/64	1.0156	1-1/32	1.0313	3/4	1-5/8	1.6250	1.1000
		12	.8978	15/16	.9375	61/64	.9531								
		20	.9387	61/64	.9531	31/32	.9688								

Flat Head Cap Screws	
Hex	Countersink Depth
0.035	.0440
1/20	.0540
1/20	.0640
1/16	.0730
1/16	.0830
5/64	.0900
5/64	.0970
3/32	.1120
1/8	.1270
1/8	.1350
5/32	.1610
3/16	.1980
7/32	.2340
1/4	.2340
5/16	.2510
3/8	.3240
1/2	.3960
9/16	.4680
5/8	.5400