

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										
2	.0860	56	.0641	50	.0700	49	.0730	43	.0890	41	.0960	5/64	3/16	.1875	.1020	1/20	.0640
		64	.0668	50	.0700	48	.0760										
3	.0990	48	.0734	47	.0785	44	.0860	37	.1040	35	.1100	5/64	7/32	.2188	.1150	1/16	.0730
		56	.0771	45	.0820	43	.0890										
4	.1120	40	.0813	43	.0890	41	.0960	32	.1160	30	.1285	3/32	7/32	.2188	.1300	1/16	.0830
		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	5/64	.0900
		44	.0971	37	.1040	35	.1100										
6	.138	32	.0997	36	.1065	32	.1160	27	.1440	25	.1495	7/64	9/32	.2812	.1580	5/64	.0970
		40	.1073	33	.1130	31	.1200										
8	.1640	32	.1257	29	.1360	27	.1440	18	.1695	16	.1770	9/64	5/16	.3125	.1880	3/32	.1120
		36	.1299	29	.1360	26	.1470										
10	.1900	24	.1389	25	.1495	20	.1610	9	.1960	7	.2010	5/32	3/8	.3750	.2180	1/8	.1270
		32	.1517	21	.1590	18	.1695										
12	.2160	24	.1649	16	.1770	12	.1890	2	.2210	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		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	5/32	.1610
		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	3/16	.1980
		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	7/32	.2340
		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	1/4	.2340
		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	5/16	.2510
		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	3/8	.3240
		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	1/2	.3960
		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	9/16	.4680
		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	5/8	.5400
		12	.8978	15/16	.9375	61/64	.9531										
		20	.9387	61/64	.9531	31/32	.9688										