

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	43	.0890	37	.1040	35	.1100	5/64	7/32	.2188	.1150		
		64	.0668	50	.0700	48	.0760			30	.1160	30	.1285	3/32	7/32	.2188	.1300		
3	.0990	48	.0734	47	.0785	44	.0860	37	.1040	29	.1360	27	.1440	7/64	9/32	.2812	.1580		
		56	.0771	45	.0820	43	.0890			25	.1495	25	.1495	3/32	7/32	.2188	.1640		
4	.1120	40	.0813	43	.0890	41	.0960	32	.1160	30	.1285	30	.1285	3/32	7/32	.2188	.1640		
		48	.0864	42	.0935	40	.0980			27	.1440	27	.1440	7/64	9/32	.2188	.1700		
5	.125	40	.0943	38	.1015	7/64	.1094	30	.1285	29	.1360	29	.1360	1/4	.2500	.1450	.1700		
		44	.0971	37	.1040	35	.1100			27	.1440	27	.1440	7/64	9/32	.2812	.1700		
6	.138	32	.0997	36	.1065	32	.1160	27	.1440	25	.1495	25	.1495	7/64	9/32	.2188	.1760		
		40	.1073	33	.1130	31	.1200			27	.1440	27	.1440	7/64	9/32	.2188	.1820		
8	.1640	32	.1257	29	.1360	27	.1440	18	.1695	16	.1770	16	.1770	9/64	5/16	.3125	.1880		
		36	.1299	29	.1360	26	.1470			18	.1695	18	.1695	9/64	5/16	.3125	.1940		
10	.1900	24	.1389	25	.1495	20	.1610	9	.1960	7	.2010	7	.2010	5/32	3/8	.3750	.2180		
		32	.1517	21	.1590	18	.1695			9	.1960	9	.1960	5/32	3/8	.3750	.2240		
12	.2160	24	.1649	16	.1770	12	.1890	2	.2210	1	.2280	1	.2280	5/32	3/8	.3750	.2300		
		28	.1722	14	.1820	10	.1935			2	.2210	2	.2210	5/32	3/8	.3750	.2360		
		32	.1777	13	.1850	9	.1960			2	.2210	2	.2210	5/32	3/8	.3750	.2420		
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			F	.2570	H	.2660	3/16	7/16	.4375	.2780	5/32	.1610
		32	.2117	7/32	.2188	1	.2280			F	.2570	H	.2660	3/16	7/16	.4375	.2780	5/32	.1610
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			P	.3230	Q	.3320	1/4	17/32	.5312	.3460	3/16	.1980
		32	.2742	9/32	.2812	L	.2900			P	.3230	Q	.3320	1/4	17/32	.5312	.3460	3/16	.1980
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			W	.3860	X	.3970	5/16	5/8	.6250	.4150	7/32	.2340
		32	.3367	11/32	.3438	T	.3580			W	.3860	X	.3970	5/16	5/8	.6250	.4150	7/32	.2340
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			29/64	.4531	15/32	.4688	3/8	23/32	.7188	.4830	1/4	.2340
		28	.3937	Y	.4040	Z	.4130			29/64	.4531	15/32	.4688	3/8	23/32	.7188	.4830	1/4	.2340
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			33/64	.5156	17/32	.5312	3/8	13/16	.8125	.5520	5/16	.2510
		28	.4562	15/32	.4688	15/32	.4688			33/64	.5156	17/32	.5312	3/8	13/16	.8125	.5520	5/16	.2510
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			37/64	.5781	19/32	.5938	1/2	29/32	.9062	.5940		
		24	.5114	33/64	.5156	17/32	.5312			37/64	.5781	19/32	.5938	1/2	29/				

