

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			32	.1160	30	.1285	3/32	7/32	.2188	.1300
3	.0990	48	.0734	47	.0785	44	.0860	30	.1285	29	.1360	3/32	1/4	.2500	.1450	5/64	.0900
		56	.0771	45	.0820	43	.0890			27	.1440	25	.1495	7/64	9/32	.2812	.1580
4	.1120	40	.0813	43	.0890	41	.0960	18	.1695	16	.1770	9/64	5/16	.3125	.1880	3/32	.1120
		48	.0864	42	.0935	40	.0980			9	.1960	7	.2010	5/32	3/8	.3750	.2180
5	.125	40	.0943	38	.1015	7/64	.1094	2	.2210	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		44	.0971	37	.1040	35	.1100			F	.2570	H	.2660	3/16	7/16	.4375	.2780
6	.138	32	.0997	36	.1065	32	.1160	P	.3230	Q	.3320	1/4	17/32	.5312	.3460	3/16	.1980
		40	.1073	33	.1130	31	.1200			W	.3860	X	.3970	5/16	5/8	.6250	.4150
8	.1640	32	.1257	29	.1360	27	.1440	29/64	.4531	15/32	.4688	3/8	23/32	.7188	.4830	1/4	.2340
		36	.1299	29	.1360	26	.1470			1/2	13/16	.8125	.5520	5/16			
10	.1900	24	.1389	25	.1495	20	.1610	33/64	.5156	17/32	.5312	3/8	1-3/16	1.1875	.8280	1/2	.2510
		32	.1517	21	.1590	18	.1695			41/64	.6406	21/32	.6562	1/2	1-3/8	1.3750	.9630
12	.2160	24	.1649	16	.1770	12	.1890	49/64	.7656	23/32	.7812	5/8	1-5/8	1.6250	1.1000	5/8	.5400
		28	.1722	14	.1820	10	.1935			53/64	.8281	27/32	.8438				
1/4	.2500	20	.1887	7	.2010	7/32	.2188	10/32	.8112	19/32	.8500	1/2	1-1/16	1.7875	.8800	1/2	.2740
		28	.2062	3	.2130	1	.2280			1/4	1-1/16	.8125	.5520	5/16			
5/16	.3125	32	.2117	7/32	.2188	1	.2280	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		18	.2443	F	.2570	J	.2770			W	.3860	X	.3970	5/16	5/8	.6250	.4150
3/8	.3750	24	.2614	1	.2720	9/32	.2812	37/64	.5781	15/32	.5938	1/2	1-3/16	1.1875	.8280	1/2	.2510
		32	.2742	9/32	.2812	L	.2900			45/64	.7031	23/32	.7188	1/2	1-3/8	1.3750	.9630
7/16	.4375	16	.2983	5/16	.3125	Q	.3320	49/64	.7656	21/32	.7812	5/8	1-5/8	1.6250	1.1000	5/8	.5400
		24	.3239	Q	.3320	S	.3480			53/64	.8281	27/32	.8438				
1/2	.5000	32	.3367	11/32	.3438	T	.3580	57/64	.8500	29/32	.8781	1/2	1-1/16	1.7875	.8800	1/2	.2740
		14	.3499	U	.3680	25/64	.3906			61/64	.9531	31/32	.9688				
9/16	.5625	20	.3762	25/64	.3906	13/32	.4062	10/32	.8112	19/32	.8500	1/2	1-1/16	1.7875	.8800	1/2	.2740
		28	.3937	Y	.4040	Z	.4130			1/2	1-1/16	.8125	.5520	5/16			
5/8	.6250	13	.4056	27/64	.4219	29/64	.4531	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		20	.4387	29/64	.4531	15/32	.4688			1/2	1-1/16	.8125	.5520	5/16			
11/16	.6875	24	.4603	31/64	.4844	33/64	.5156	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		18	.4943	33/64	.5156	17/32	.5312			1/2	1-1/16	.8125	.5520	5/16			
3/4	.7500	24	.5114	33/64	.5156	17/32	.5312	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		10	.6273	21/32	.6562	11/16	.6875			1/2	1-1/16	.8125	.5520	5/16			
13/16	.8125	20	.6887	45/64	.7031	23/32	.7188	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		20	.7387	49/64	.7656	51/64	.7969			1/2	1-1/16	.8125	.5520	5/16			
7/8	.8750	9	.7874	13/16	.8125	53/64	.8281	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		14	.8137	53/64	.8281	27/32	.8438			1/2	1-1/16	.8125	.5520	5/16			
15/16	.9375	20	.8762	57/64	.8906	29/32	.9062	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		8	.8466	7/8	.8750	59/64	.9219			1/2	1-1/16	.8125	.5520	5/16			
1	1.000	12	.8978	15/16	.9375	61/64	.9531	1/2	.2280	1	.2280	5/32	3/8	.3750	.2180	1/8	.1350
		20	.9387	61/64	.9531	31/32	.9688			1/2	1-1/16	.8125	.5520	5/16			