

Drill and Counterbore Sizes for Socket Head Cap Screws

Nom. Size	Basic Screw Diameter	Close Fit		Normal Fit		Counter-bore Diameter	Counter-sink Diameter
		Number or Fractional Size	Nominal Decimal Size	Number or Fractional Size	Nominal Decimal Size		
		A					
0	.0600	51	.067	49	.073	1/8	.074
1	.0730	46	.081	43	.089	5/32	.087
2	.0860	3/32	.094	36	.106	3/16	.102
3	.0990	36	.106	31	.120	7/32	.115
4	.1112	1/8	.125	29	.136	7/32	.130
5	.1250	9/64	.141	23	.154	1/4	.145
6	.1380	23	.154	18	.170	9/32	.158
8	.1640	15	.180	10	.194	5/16	.188
10	.1900	5	.206	2	.221	3/8	.218
1/4	.2500	17/64	.266	9/32	.281	7/16	.278
5/16	.3125	21/64	.328	11/32	.344	17/32	.346
3/8	.3750	25/64	.391	13/32	.406	5/8	.415
7/16	.4375	29/64	.453	15/32	.469	23/32	.483
1/2	.5000	33/64	.516	17/32	.531	13/16	.552
5/8	.6250	41/64	.641	21/32	.656	1	.689
3/4	.7500	49/64	.766	25/32	.781	1 3/16	.828
7/8	.8750	57/64	.891	29/32	.906	1 3/8	.963
1	1.0000	1 1/64	1.016	1 1/32	1.031	1 5/8	1.100
1 1/4	1.2500	1 9/32	1.281	1 5/16	1.312	2	1.370
1 1/2	1.5000	1 17/32	1.531	1 9/16	1.562	2 3/8	1.640
1 3/4	1.7500	1 25/32	1.781	1 13/16	1.812	2 3/4	1.910
2	2.0000	2 1/32	2.031	2 1/16	2.062	3 1/8	2.180

