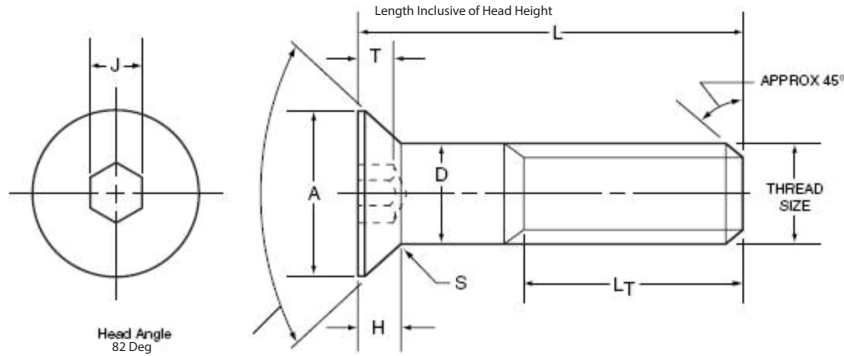


PRODUCT DATA SHEET

Hexagon Socket Flat Countersunk Head Cap Screws

1.0 Dimensions: ASME B18.3.



Nominal Size or Basic Product Diameter	D		A		H	J	T
	Body Diameter		Head Diameter		Head Height	Key Size	Key Engagement
	Max	Min	Max	Min	Ref	Nom	Min
# 0	0.0600	0.0568	0.138	0.117	0.044	0.035	0.025
# 1	0.0730	0.0695	0.168	0.143	0.054	0.050	0.031
# 2	0.0860	0.0822	0.197	0.168	0.064	0.050	0.038
# 3	0.0990	0.0949	0.226	0.193	0.073	1/16	0.044
# 4	0.1120	0.1075	0.255	0.218	0.083	1/16	0.055
# 5	0.1250	0.1202	0.281	0.240	0.090	5/64	0.061
# 6	0.1380	0.1329	0.307	0.263	0.097	5/64	0.066
# 8	0.1640	0.1585	0.359	0.311	0.112	3/32	0.076
# 10	0.1900	0.1840	0.411	0.359	0.127	1/8	0.087
1/4	0.2500	0.2435	0.531	0.480	0.161	5/32	0.111
5/16	0.3125	0.3053	0.656	0.600	0.198	3/16	0.135
3/8	0.3750	0.3678	0.781	0.720	0.234	7/32	0.159
7/16	0.4375	0.4294	0.844	0.781	0.234	1/4	0.159
1/2	0.5000	0.4919	0.938	0.872	0.251	5/16	0.172
5/8	0.6250	0.6163	1.188	1.112	0.324	3/8	0.220
3/4	0.7500	0.7406	1.438	1.355	0.396	1/2	0.220
7/8	0.8750	0.8647	1.688	1.604	0.468	9/16	0.248
1	1.0000	0.9886	1.938	1.841	0.540	5/8	0.297
1-1/8	1.1250	1.1086	2.188	2.079	0.611	3/4	0.325
1-1/4	1.2500	1.2336	2.438	2.316	0.683	7/8	0.358
1-3/8	1.3750	1.3568	2.688	2.553	0.755	7/8	0.402
1-1/2	1.5000	1.4818	2.938	2.791	0.827	1	0.435

Notes: Thread Class of Fit: Sizes up tp 1 inch: 3A. Above 1 inch: 2A. Zinc plated screws above 1 inch must meet 3A GO & 2A NO GO thread ring gage condition.

PRODUCT DATA SHEET

Hexagon Socket Flat Countersunk Head Cap Screws

2.0 Mechanical Properties (For Full Size Screw Testing):

2.1 Stainless Steel - ASTM F837

Nominal Size	Tensile Strength Minimum	Rockwell Hardness HRC
1/2 inch and smaller	145,000 PSI	39 - 44
Over 1/2 inch	135,000 PSI	37 - 44

2.2 Stainless Steel - ASTM F879

Classification		Tensile Strength Minimum	Hardness Minimum HRA
Types	Condition		
304 (18-8) & 316	CW	80,000 PSI	50
	CW1	102,000 PSI	59

3.0 Surface Finish: Thermal Black Oxide / Zinc. Zinc & Mechanical zinc details given in the table below.

Properties	Zinc Clear	Mechanical Zinc
Type	Trivalent (Cr + 3)	Trivalent (Cr + 3)
Color	Clear	Clear
Minimum Coating Thickness	0.0001" / 3 Microns	0.0003" / 8 Microns
Specification	ASTM F1941 / F1941M. Fe/Zn 3AN	ASTM B695. Class 8. Type II.