

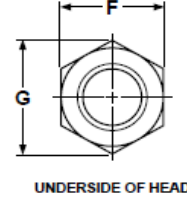
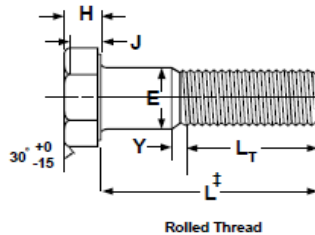
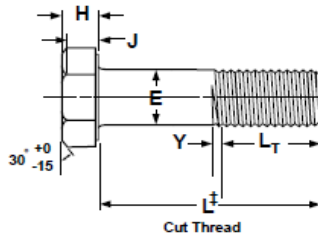


Atlanta, Georgia

Phone 800-521-7326

Fax 770-745-1333

Hex Cap Screw Grade 2 Hot Dip Galvanized



E
Diameter

F
Width

G
Width

H
Head

J
Wrenching

Y
Transitional

L
Thread Length
Screw Length
Screw Length

Across Flats

Across Corners

Height

Height

Thread Length

Length < 6"

Length > 6"

Basic Diameter		Min	Max	Basic	Min	Max	Min	Max	Basic	Min	Max	Min	Max	< 6"	> 6"
1/4	0.2500	0.245	0.2500	7/16	0.428	0.438	0.488	0.505	5/32	0.150	0.163	0.106	0.250	0.7500	1.000
5/16	0.3125	0.3065	0.3125	1/2	0.484	0.500	0.557	0.577	13/64	0.195	0.211	0.140	0.278	0.8750	1.125
3/8	0.3750	0.3690	0.3750	9/16	0.551	0.562	0.628	0.650	15/64	0.226	0.243	0.160	0.312	1.0000	1.250
7/16	0.4375	0.4305	0.4375	5/8	0.612	0.625	0.698	0.722	9/32	0.272	0.291	0.195	0.357	1.1250	1.375
1/2	0.5000	0.4930	0.5000	3/4	0.736	0.750	0.840	0.866	5/16	0.302	0.323	0.215	0.385	1.2500	1.500
9/16	0.5625	0.5545	0.5625	13/16	0.798	0.812	0.910	0.938	23/64	0.348	0.371	0.250	0.417	1.3750	1.625
5/8	0.6250	0.6170	0.6250	15/16	0.922	0.938	1.051	1.083	25/64	0.378	0.403	0.269	0.455	1.500	1.750
3/4	0.7500	0.7410	0.7500	1-1/8	1.100	1.125	1.254	1.299	15/32	0.455	0.483	0.324	0.500	1.750	2.000
7/8	0.8750	0.8660	0.8750	1-5/16	1.285	1.312	1.465	1.516	35/64	0.531	0.563	0.378	0.556	2.000	2.250
1	1.0000	0.9900	1.0000	1-1/2	1.469	1.500	1.675	1.732	39/64	0.591	0.627	0.416	0.625	2.250	2.500
1-1/8	1.1250	1.1140	1.1250	1-11/16	1.631	1.688	1.859	1.949	11/16	0.658	0.718	0.461	0.714	2.500	2.750
1-1/4	1.2500	1.2390	1.2500	1-7/8	1.812	1.875	2.066	2.165	25/32	0.749	0.813	0.530	0.714	2.750	3.000
1-1/2	1.5000	1.4880	1.5000	2-1/4	2.175	2.250	2.480	2.598	1-5/16	0.902	0.974	0.640	0.833	3.250	3.500

ASME B18.2.1-1996

Hardness

Elongation

Proof Load

Yield Length

Tensile Strength

Material

HDG Plating

Screw Size	Screw Length				
	Up to 1"	Over 1" to 2-1/2"	Over 2-1/2" to 4"	Over 4" to 6"	Longer than 6"
1/4 to 3/8	+0.02, -0.03	+0.02, -0.04	+0.04, -0.06	+0.06, -0.10	+0.10, -0.18
7/16 to 1/2	+0.02, -0.03	+0.04, -0.06	+0.06, -0.08	+0.08, -0.10	+0.12, -0.18
9/16 to 3/4	+0.02, -0.03	+0.06, -0.08	+0.08, -0.10	+0.10, -0.10	+0.14, -0.18
7/8 to 1		+0.08, -0.10	+0.10, -0.14	+0.12, -0.16	+0.16, -0.20
1-1/8 to 1-1/2		+0.10, -0.12	+0.12, -0.16	+0.14, -0.18	+0.18, -0.22
		1/4" - 3/4" ≤ 6" Length	1/4" - 3/4" ≥ 6" Length		7/8" - 1-1/2" Any Length
Rockwell		B80 - B100	B70 - B100		B70 - B100
All Diameters 18% min					
PSI		55,000	33,000		33,000
PSI		57,000 minimum	36,000 minimum		36,000 minimum
PSI		74,000 minimum	60,000 minimum		60,000 minimum
AISI 1006 - 1050 or equivalent Steel					
Plated According to ASTM A153 Specifications					
3/8 Dia & Smaller - .0017 average coating thickness * 1/2 Dia & Larger - .0021 average coating thickness					

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