



Cordova Bolt, Inc.

Hex Head Bolt Product Information

1.0 Dimensions: As per ASME B18.2.1.

Nominal Size or Basic Product Diameter	Body	Diameter	Width Across Flats		Width Across Corners		Head Height		Thread Length	
			Max	Min	Max	Min	Max	Min	Screw Lengths 6 Inches and Shorter	Screw Lengths Over 6 Inches
			Ref	Ref	Ref	Ref	Ref	Ref		
1/4	0.260	0.237	0.438	0.425	0.505	0.484	0.188	0.150	0.750	1.000
5/16	0.324	0.298	0.500	0.484	0.577	0.522	0.235	0.195	0.875	1.125
3/8	0.388	0.360	0.562	0.544	0.650	0.620	0.268	0.226	1.000	1.250
7/16	0.452	0.421	0.625	0.603	0.722	0.684	0.316	0.272	1.125	1.375
1/2	0.515	0.482	0.750	0.725	0.866	0.826	0.364	0.302	1.250	1.500
5/8	0.642	0.605	0.938	0.906	1.083	1.033	0.444	0.378	1.500	1.750
3/4	0.768	0.729	1.125	1.088	1.299	1.240	0.524	0.455	1.750	2.000
7/8	0.895	0.852	1.312	1.269	1.516	1.447	0.604	0.531	2.000	2.250
1	1.022	0.976	1.500	1.450	1.732	1.653	0.700	0.591	2.250	2.500
1-1/8	1.149	1.098	1.688	1.631	1.949	1.859	0.780	0.658	2.500	2.750
1-1/4	1.277	1.223	1.875	1.812	2.165	2.066	0.876	0.749	2.750	3.000
1-3/8	1.404	1.345	2.062	1.944	2.382	2.273	0.940	0.810	3.000	3.250
1-1/2	1.531	1.470	2.250	2.175	2.598	2.480	1.036	0.902	3.250	3.500
1-3/4	1.785	1.716	2.625	2.538	3.031	2.893	1.196	1.054	3.750	4.000
2	2.039	1.964	3.000	2.900	3.464	3.306	1.388	1.175	4.250	4.500
2-1/4	2.305	2.214	3.375	3.262	3.897	3.719	1.548	1.327	4.750	5.000
2-1/2	2.559	2.461	3.750	3.625	4.330	4.133	1.708	1.479	5.250	5.500

Disclaimer: The presented data is based off various industry standards. Cordova Bolt, Inc. strives to present up to date, accurate data. However Cordova Bolt, Inc. cannot be held liable for any errors or discrepancies within the presented information

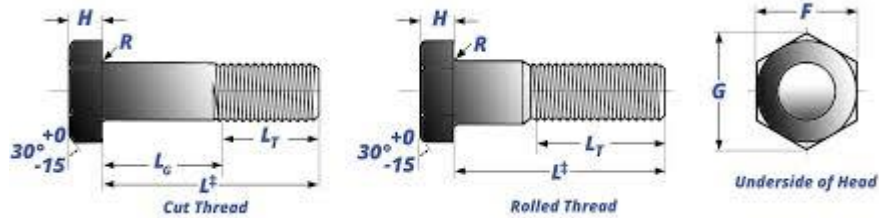


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2.0 Mechanical Properties (For Full Size Bolt Testing): Steel ASTM A307

Grade	Length	Hardness	Tensile Strength Minimum	Grade Marking
A	Less than 3 times the diameter	69 to 100 HRB	60,000 Psi	307A
	3 times the diameter and longer	100 HRB Max		

3.0 Surface Finish: Plain/Zinc/HDG. Zinc & HDG details given below:

Properties	Zinc Clear	Zinc Yellow	Hot Dip Galvanized (HDG)
Type	Trivalent (Cr+3)	Hexavalent (Cr+6)	RoHS Compliant
Color	Clear	Yellow	
Minimum Coating Thickness	0.0001" / 3 Microns or 0.0002" / 5 Microns	0.0001 "3 Microns or 0.0002" / 5 Microns.	Coating thickness for sizes 3/8 " & under : 0.0017" (43 microns) and for sizes over 3/8 " : 0.0020" (50 microns)
Specification	ASTM F1941 / F1941M. Fe/Zn 3AN or Fe/Zn 5AN	ASTM F1941 / F1941M. Fe/Zn 3C or Fe/Zn 5C	ASTM F2329/F2329M or ASTM A153/A153M.

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