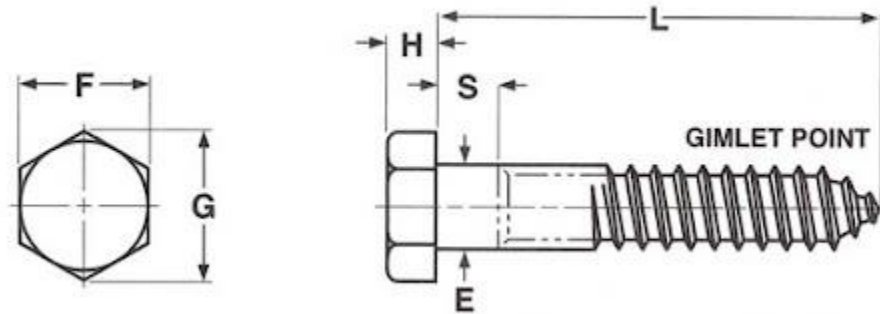




Cordova Bolt, Inc.

Hex Lag Screw Product Information

1.0 Dimensions: As per ASME B18.2.1



Nominal Size or Basic Product Diameter	E		F		G		H		S	R	
	Body or Shoulder Diameter		Width Across Flats		Width Across Corners		Head Height		Shoulder Length	Radius of Filet	
	Max	Min	Max	Min	Max	Min	Max	Min	Min	Max	Min
No.10	0.199	0.178	0.281	0.271	0.323	0.309	0.140	0.110	0.094	0.03	0.01
1/4	0.260	0.237	0.438	0.425	0.505	0.484	0.188	0.150	0.094	0.03	0.01
5/16	0.324	0.298	0.500	0.484	0.577	0.552	0.235	0.195	0.125	0.03	0.01
3/8	0.388	0.360	0.562	0.544	0.650	0.620	0.268	0.226	0.125	0.03	0.01
7/16	0.452	0.421	0.625	0.603	0.722	0.687	0.316	0.272	0.156	0.03	0.01
1/2	0.515	0.482	0.750	0.725	0.866	0.826	0.364	0.302	0.156	0.03	0.01
5/8	0.642	0.605	0.938	0.906	1.083	1.033	0.444	0.378	0.312	0.06	0.02
3/4	0.768	0.729	1.125	1.088	1.299	1.240	0.524	0.455	0.375	0.06	0.02
7/8	0.895	0.852	1.312	1.269	1.516	1.447	0.604	0.531	0.375	0.06	0.02
1	1.022	0.976	1.500	1.450	1.732	1.653	0.700	0.591	0.625	0.09	0.03
1-1/8	1.149	1.098	1.688	1.631	1.949	1.859	0.780	0.658	0.625	0.09	0.03
1-1/4	1.277	1.223	1.875	1.812	2.165	2.066	0.876	0.749	0.625	0.09	0.03

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



Cordova Bolt, Inc.

5601 Dolly Avenue Buena Park CA 90621
(714) 739-7500 - (714) 994-2661-fax
www.cordovabolt.com



Cordova Bolt, Inc.

2.0 Mechanical properties: A307A

Grade	Tensile KSI	Yield min KSI	Elong min %
A	60 min	x	18
B	60-100	x	18
C*	58-80	36	23

2.1 SAE J429

Grade	Nominal Size, Inches	Full Size Proof load PSI	Yield Strength min PSI	Tensile Strength min PSI	Elong min %	RA min %	Core Hardness, Rockwell	Tempering Temperature min
1	1/4 thru 1-1/2	33,000	36,000	60,000	18	35	B7 to B100	N/A
2	1/4 thru 3/4	55,000	57,000	74,000	18	35	B80 to B100	N/A
	Over 3/4 thru 1-1/2	33,000	36,000	60,000	18	35	B70 to B100	
5	1/4 thru 1	85,000	92,000	120,000	14	35	C25 to C34	800F
	Over thru 1-1/2	74,000	81,000	105,000	14	35	C19 to C30	
8	1/4 thru 1-1/2	120,000	130,000	150,000	12	35	C33 to C39	800F

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



Cordova Bolt, Inc.

5601 Dolly Avenue Buena Park CA 90621
(714) 739-7500 - (714) 994-2661-fax
www.cordovabolt.com