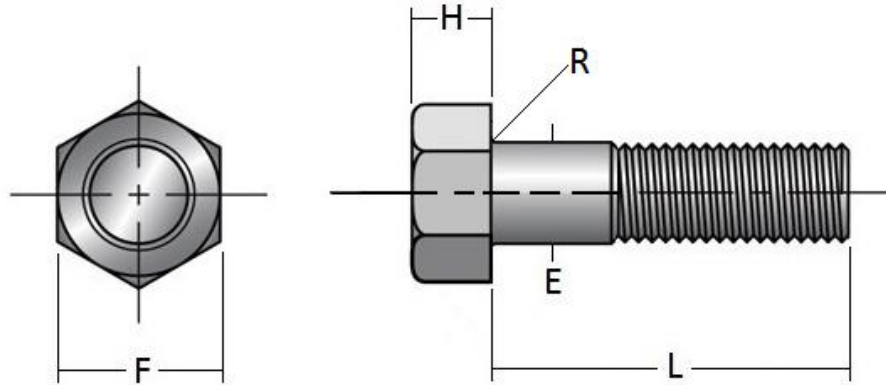


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Hex Bolt, Grade A, Hot Dip Galvanized

This product standard contains the required dimensional, mechanical, performance, and chemical characteristics of the products shown in this purchase order (as applicable to the product). Unless specified below, current revisions of national or international standards shall be applicable as of the date of Fastenal's purchase order and must be adhered to in their entirety. If the order received does not meet these requirements, corrective action may be issued which could jeopardize your status as an approved supplier to Fastenal.



Nominal Size (Inch)	E		F		H		R	
	Full-Size Body Diameter		Width Across Flats		Head Height		Radius	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1/4	0.260	0.237	0.438	0.425	0.188	0.150	0.03	0.01
5/16	0.324	0.298	0.500	0.484	0.235	0.195	0.03	0.01
3/8	0.388	0.360	0.562	0.544	0.268	0.226	0.03	0.01
7/16	0.452	0.421	0.625	0.603	0.316	0.272	0.03	0.01
1/2	0.515	0.482	0.750	0.725	0.364	0.302	0.03	0.01
5/8	0.642	0.605	0.938	0.906	0.444	0.378	0.06	0.02
3/4	0.768	0.729	1.125	1.088	0.524	0.455	0.06	0.02
7/8	0.895	0.852	1.312	1.269	0.604	0.531	0.06	0.02
1	1.022	0.976	1.500	1.450	0.700	0.591	0.09	0.03
1 1/8	1.149	1.098	1.688	1.631	0.780	0.658	0.09	0.03
1 1/4	1.277	1.223	1.875	1.812	0.876	0.749	0.09	0.03
1 3/8	1.404	1.345	2.062	1.994	0.940	0.810	0.09	0.03
1 1/2	1.531	1.470	2.250	2.175	1.036	0.902	0.09	0.03
1 3/4	1.785	1.716	2.625	2.538	1.196	1.054	0.12	0.04
2	2.039	1.964	3.000	2.900	1.388	1.175	0.12	0.04
2 1/4	2.305	2.214	3.375	3.262	1.548	1.327	0.19	0.06
2 1/2	2.559	2.461	3.750	3.625	1.708	1.479	0.19	0.06
2 3/4	2.827	2.711	4.125	3.988	1.869	1.632	0.19	0.06
3	3.081	2.961	4.500	4.350	2.060	1.815	0.19	0.06

Dimensions above are prior to coating
Length and Thread Length per ASME B18.2.1

**RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE
LAST PAGE**

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Specification Requirements:

- Dimensions: ASME B18.2.1
- Material & Mechanical Properties: ASTM A307, Grade A
- Thread Requirements: ASME B1.1, UNC & UNF, Class 2A, prior to coating
- Head Marking: Manufacturer ID and 307A
- Finish: Hot Dip Galvanize per ASTM A153/A153M or ASTM F2329/F2329M

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
HB.GRA.HDG	08	4/2/2019	Revised galvanizing specification callout.

The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.