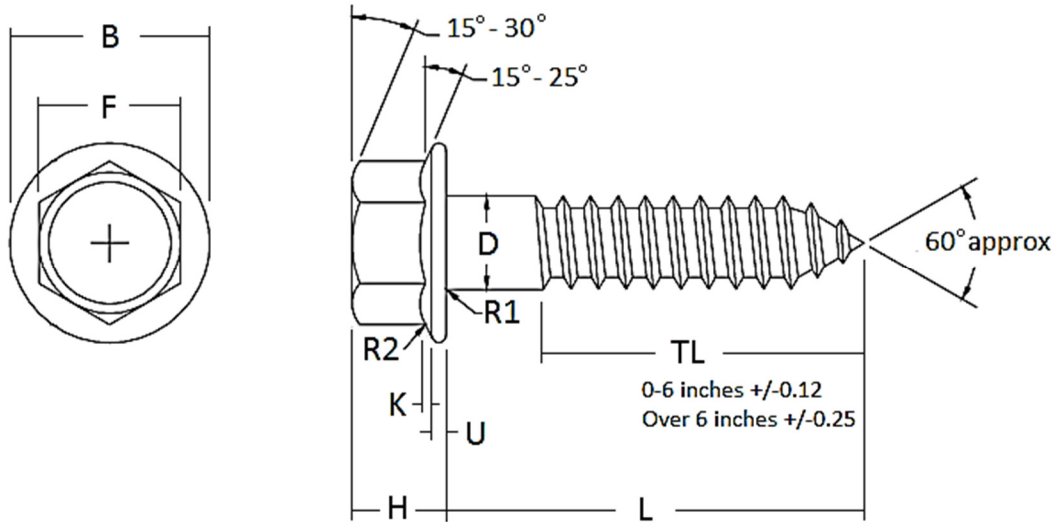


Hex Flange Lag Screw, Grade 2, Hot Dip Galvanized

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	F		B	D		H	U	K	R1	R2
	Width Across Flats		Flange Diameter	Body Diameter		Head Height	Flange Thickness	Wrench Height	Fillet	Fillet
	Max.	Min.	Max.	Max.	Min.	Max.	Min.	Min.	Max.	Max.
1/4	.3750	.3670	.56	.260	.237	.28	.04	.17	.030	.015
5/16	.5000	.4890	.68	.324	.298	.32	.05	.21	.030	.019
3/8	.5625	.5510	.81	.388	.360	.39	.06	.25	.030	.022
1/2	.7500	.7360	1.07	.515	.482	.51	.08	.34	.030	.030

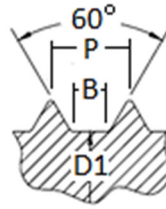
All dimensions are prior to coating

TL: Minimum thread length is 1/2" length of screw plus 0.50 inch or 6.00 inches whichever is shorter.

Screw too short for the formula, thread length shall be threaded as close to the head as practicable.

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

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Screw	Threads Per Inch	P	B	TL	D1
		Pitch	Width Flat	Thread Depth	Root Diameter
1/4	10	.100	.043	.039	.173
5/16	9	.111	.048	.043	.227
3/8	7	.143	.062	.055	.265
1/2	6	.167	.072	.064	.371

Specification Requirements:

- Dimensions: IFI 111 (thread) and ASME B18.2.1 (head)
- Material & Mechanical Properties: AISI 1006-1022 Steel or Fastenal Engineering approved equivalent
Hardness: HRB 70 to 100
- Thread Requirements: ASME B18.2.1 Lag Threaded End
- Finish: Hot Dip Galvanized per ASTM A153/A153M or ASTM F2329/F2329M

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
FS.LAG.GR2.HDG	01	5/8/2019	Revised material requirement and galvanizing specification callout.
FS.LAG.GR2.HDG	02	12/10/2019	Added Engineering to equivalent material note.

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