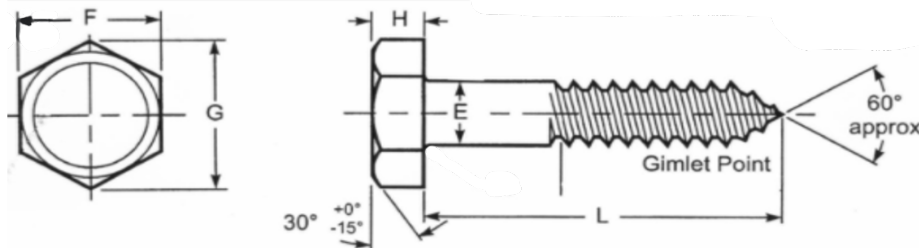


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Hex Head Lag Screws

1.0 Dimensions: ASME B18.2.1



Nominal Size or Basic Product Diameter	E		F			G		H		
	Body Diameter		Width Across Flats			Width Across Corners		Head Height		
	Max	Min	Basic	Max	Min	Max	Min	Basic	Max	Min
1/4	0.260	0.237	7/16	0.438	0.425	0.505	0.484	11/64	0.188	0.150
5/16	0.324	0.298	1/2	0.500	0.484	0.577	0.552	7/32	0.235	0.195
3/8	0.388	0.360	9/16	0.562	0.544	0.650	0.620	1/4	0.268	0.226
7/16	0.452	0.421	5/8	0.625	0.603	0.722	0.687	19/64	0.316	0.272
1/2	0.515	0.482	3/4	0.750	0.725	0.866	0.826	11/32	0.364	0.302
5/8	0.642	0.605	15/16	0.938	0.906	1.083	1.033	27/64	0.444	0.378
3/4	0.768	0.729	1-1/8	1.125	1.088	1.299	1.240	1/2	0.524	0.455

Notes:

- Lag screws are used in wood applications. They work like self-tapping screws in generating their own thread. A pre-drilled hole is recommended for installation.
- The thread pitches provided in the lag screws are highly coarse for quick installation.
- The minimum thread length specified is equal to one-half of the nominal screw length +0.50 inch or 6 inches whichever is shorter. Screws too short for the thread length formula shall be threaded as close to the head or shoulder as practicable.
- The standard specifies only minimum thread length for lag screws. It does not specify the minimum body length LB minimum. Body length on a lag screw is not a controlled dimension. The manufacturers only ensure that they meet the minimum thread length specification on lag screws. Therefore lag screws cannot be termed as non-conforming based on body length dimensions.



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Hex Head Lag Screws

2.0 Mechanical Properties

No mechanical properties like hardness, proof load, tensile strength are specified for lag screws. They are required to meet only the chemical requirements of the following standards.

Steel : ASTM A307 Grade A.

Stainless Steel : ASTM F593. For 304 & 316 stainless steels.

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

Stainless steel screws will be passivated.