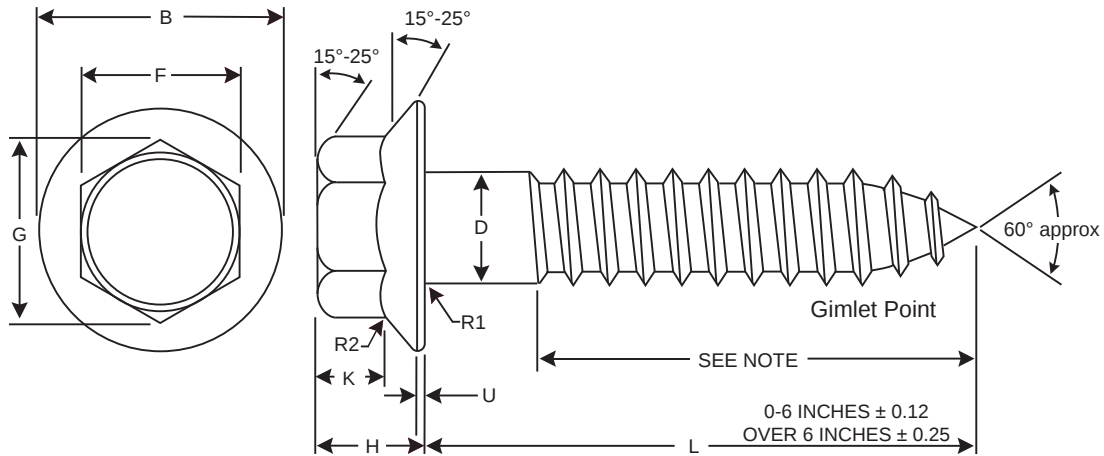


GRADE 2 HEX FLANGE LAG SCREWS

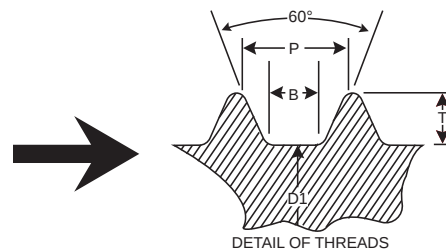


NOTE:

Minimum thread length is 1/2 length of the screw plus 0.50" or 6" whichever is shorter.
Screws too short for the formula shall be threaded as close to the head as practicable.

Nominal Size or Basic Bolt Diameter	F		G		B	H	U	K	D		R1	R2
	Width Across Flats		Width Across Corners		Flange Dia	Height of Head	Flange Thickness	Wrench Height	Body Diameter		Fillet	Fillet
	Max	Min	Max	Min	Max	Max	Min	Min	Max	Min	Max	Max
1/4	0.375	0.367	0.433	0.409	0.56	0.28	0.04	0.17	0.260	0.237	0.015	0.030
5/16	0.500	0.489	0.577	0.548	0.68	0.32	0.05	0.21	0.324	0.298	0.019	0.030
3/8	0.562	0.551	0.650	0.618	0.81	0.39	0.06	0.25	0.388	0.360	0.022	0.030
1/2	0.750	0.736	0.866	0.825	1.07	0.51	0.08	0.34	0.515	0.482	0.030	0.030

Thread Dimensions					
Screw	Thread Per Inch	Pitch P	Width Flat B	Thread Depth T	Root Diameter D1
1/4	10	0.100	0.043	0.039	0.173
5/16	9	0.111	0.048	0.043	0.227
3/8	7	0.143	0.062	0.055	0.265
1/2	6	0.167	0.072	0.064	0.371



SPECIFICATIONS

MATERIAL: STEEL AISI 1006-1022 OR EQUIVALENT

TENSILE STRENGTH: 60,000 PSI MIN

HARDNESS: ROCKWELL B70-B100

FLANGE HEAD DIMENSIONS: IFI-111 (2002)

LAG THREAD: PER ASME B18.2.1

FINISH: HOT DIP GALVANIZED PER ASTM A153