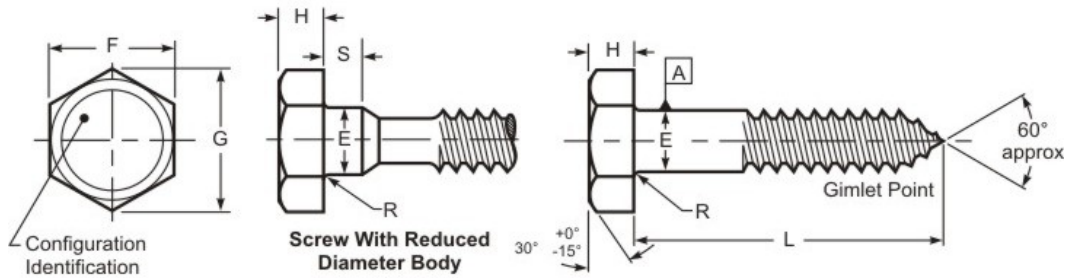


# Hex Lag Screw



THREAD DATA		
<b>Size:</b> 5/16	<b>Threads per in.:</b> 9	<b>Thread Class or Type:</b> Lag
<b>Major Diameter:</b> 0.324 - 0.298	<b>Minor Dia Max/Min.:</b> 0.228 - 0.210	<b>Standard:</b> ASME B18.2.1-2012
<b>Length:</b> 4-1/2	<b>Length Tolerance:</b> ±0.12	
DIMENSIONAL DATA		
<b>Type:</b> Hex Lag Screw	<b>Standard:</b> ASME B18.2.1-2012	<b>Nominal Diameter:</b> 0.313
<b>E - Body Diameter :</b> 0.324 - 0.298	<b>F - Width Across Flats:</b> 0.500 - 0.484	<b>G - Width Across Corners:</b> 0.577 - 0.552
<b>R - Fillet Radius:</b> 0.030 - 0.010	<b>H - Head Height:</b> 0.235 - 0.195	<b>Point Type:</b> Gimlet
PHYSICAL REQUIREMENTS		
<b>Nominal:</b> 0.313	<b>Standard:</b> ASTM A307-2014	<b>Typical Materials:</b> carbon steel: 1006 - 1022
<b>Hardness:</b> HRB 69 - 100	<b>Tensile Load, Min. (lbf):</b> 2639 ref. (min. minor dia X 60 ksi)	<b>Calculated Shear Load-BODY (ref.)(lbf):</b> 1583
<b>Calculated Shear Load-THREADS (ref.)(lbf):</b> 1319	<b>Straightness Factor:</b> 0.027	
FINISH DATA		
<b>Finish:</b> Zinc & Clear, non-hexavalent/Cr(VI) free - .0001"/ 3µm	<b>K factor (ref. DIN 946):</b> 0.22	<b>Standard:</b> ASTM F1941/F1941M-2016, Fe/Zn 3AN

<sup>1</sup> These torque values are based on K factors determined using DIN 946, tightening tension of 75% of the yield strength, and the calculation formula  $T=KDP$ . These values are advisory only. The torque for assembling critical joints should be determined and/or verified through actual experimentation by the user. The IFI is not responsible for any losses or claims resulting from the use of these values.<sup>2</sup> Calculated Pretension is equal to 75% of the bolt's yield strength achieved when using the indicated Tightening Torque.

