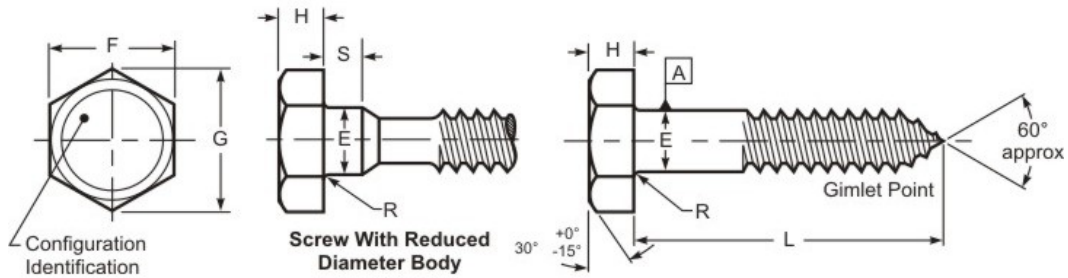


# Hex Lag Screw



THREAD DATA		
Size: 1/2	Threads per in.: 6	Thread Class or Type: Lag
Major Diameter: 0.515 - 0.482	Minor Dia Max/Min.: 0.374 - 0.354	Standard: ASME B18.2.1-2012
DIMENSIONAL DATA		
Type: Hex Lag Screw	Standard: ASME B18.2.1-2012	Nominal Diameter: 0.5
E - Body Diameter : 0.515 - 0.482	F - Width Across Flats: 0.750 - 0.725	G - Width Across Corners: 0.866 - 0.826
R - Fillet Radius: 0.030 - 0.010	H - Head Height: 0.364 - 0.302	LT (Reference Thread Length): .5L+5"
Point Type: Gimlet	L - Length: 3	Length Tolerance: ±0.12
PHYSICAL REQUIREMENTS		
Nominal: 0.5	Standard: ASTM A307-2014	Typical Materials: carbon steel: 1006 - 1022
Hardness: HRB 69 - 100	Tensile Load, Min. (lbf): 7049 ref. (min. minor dia X 60 ksi)	Calculated Shear Load-BODY (ref.)(lbf): 4229
Calculated Shear Load-THREADS (ref.)(lbf): 3524	Straightness Factor: 0.018	
FINISH DATA		
Finish: Zinc & Clear, non-hexavalent/Cr(VI) free - .0001"/ 3µm	K factor (ref. DIN 946): 0.22	Standard: 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.

