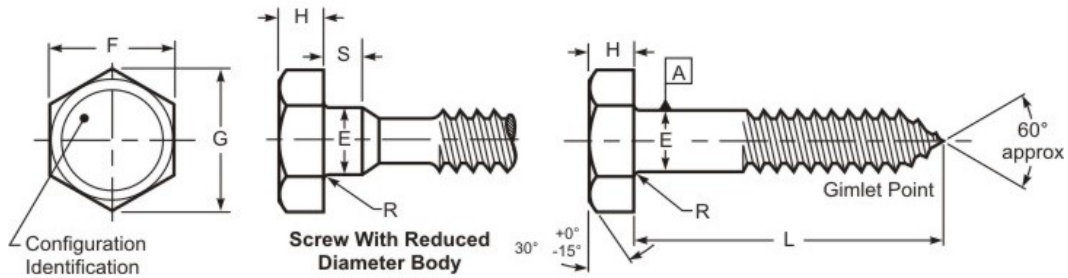


# Hex Lag Screw



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	L <sub>T</sub> - Thread Length for Screw Length 6 in. or less: Lesser of .5L+0.5" or 6"
Point Type: Gimlet	L - Length: 5-1/2	Length Tolerance: ±0.12
PHYSICAL REQUIREMENTS		
Nominal: 0.5	Standard: ASTM A307-2014e1	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: 0.033	
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>2</sup> Calculated Pretension is equal to 75% of the bolt's yield strength achieved when using the indicated Tightening Torque.

