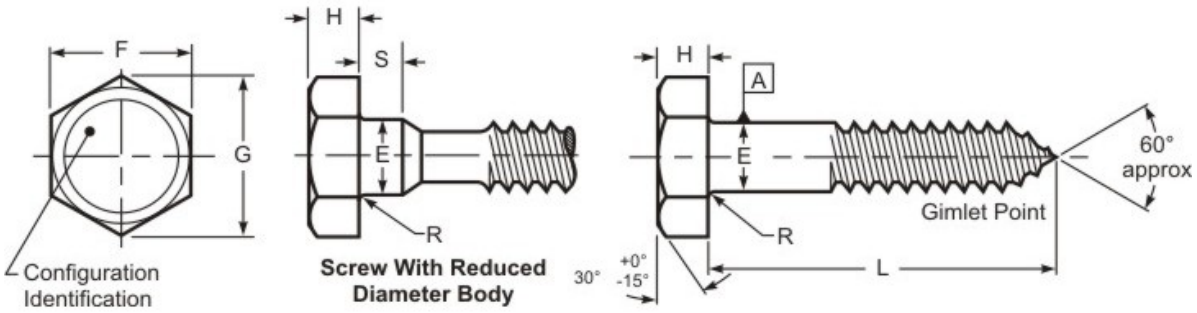
Hex Lag Screw



THREAD DATA		
Size: 1/4	**Threads per in.:** 10	**Thread Class or Type:** Lag
Major Diameter: 0.260 - 0.237	**Minor Dia Max/Min.:** 0.177 - 0.160	**Standard:** ASME B18.2.1-2012
Length: 5-1/2	**Length Tolerance:** ±0.12	
DIMENSIONAL DATA		
Type: Hex Lag Screw	**Standard:** ASME B18.2.1-2012	**Nominal Diameter:** 0.25
E - Body Diameter : 0.260 - 0.237	**F - Width Across Flats:** 0.438 - 0.425	**G - Width Across Corners:** 0.505 - 0.484
R - Fillet Radius: 0.030 - 0.010	**H - Head Height:** 0.188 - 0.150	**Point Type:** Gimlet
PHYSICAL REQUIREMENTS		
Nominal: 0.25	**Standard:** ASTM A307-2014	**Typical Materials:** carbon steel: 1006 - 1022
Hardness: HRB 69 - 100	**Tensile Load, Min. (lbf):** 1533 ref. (min. minor dia X 60 ksi)	**Calculated Shear Load-BODY (ref.)(lbf):** 920
Calculated Shear Load-THREADS (ref.)(lbf): 766	**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

[1] 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.[2] Calculated Pretension is equal to 75% of the bolt's yield strength achieved when using the indicated Tightening Torque.

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