

80°/82° - Flat Head - Type III (square socket) - Wood Screw



THREAD DATA		
Size: #12	Threads per in.: 11	Series Designation: Single-Lead
Thread Class or Type: WSSL	Major Diameter: 0.220 - 0.209	Minor Dia Max/Min.: 0.147 Max.
Standard: ASME B18.6.1-2008		
DIMENSIONAL DATA		
Type: 80°/82° - Flat Head - Type III (square socket) - Wood Screw	Standard: ASME B18.6.1 - 2008	Nominal Diameter: 0.216
E - Body Diameter : 0.176 - 0.165	A - Head Diameter: 0.438 - 0.389	H - Head Height: 0.132 Ref.
Point Type: Gimlet (sharp)	Driver Size: 3R	Penetration Depth: 0.095 - 0.080
Wobble: 3°	M – Ref. Recess Dim.: 0.283	L - Length: 3
Length Tolerance: -0.09		
PHYSICAL REQUIREMENTS		
Nominal: 0.216	Standard: ASME B18.6.1, carbon steel	Typical Materials: carbon steel, 1010
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

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.

