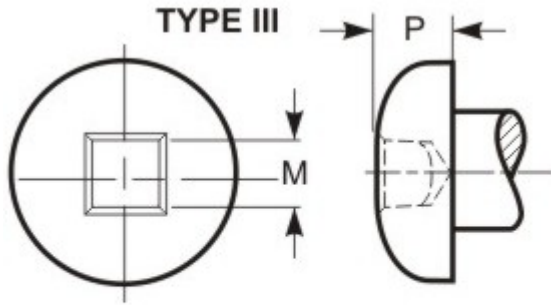
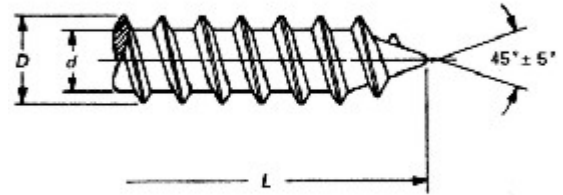


Pan Head - Type III (square socket) - A, AB



This type of recess has a square center opening, slightly tapered side walls, and a conical bottom with top edges relieved or rounded.



THREAD DATA		
Size: #12	Threads per in.: 11	Thread Class or Type: A
Major Diameter: 0.2210 - 0.2150	Minor Dia Max/Min.: 0.162 - 0.155	Standard: ASME B18.6.3-2013
DIMENSIONAL DATA		
Type: Pan Head - Type III (square socket) - A, AB	Standard: ASME B18.6.3 - 2013	Nominal Diameter: 0.216
A - Head Diameter: 0.425 - 0.407	H - Head Height: 0.151 - 0.139	Driver Size: 3R
Penetration Depth: 0.095 - 0.080	Wobble: 3°	M - Ref. Recess Dim.: 0.133
L - Length: 3	Length Tolerance: ± 0.05	
PHYSICAL REQUIREMENTS		
Nominal: 0.216	Standard: ASME B18.6.3-2013, Type A (carbon steel)	Typical Materials: carbon steel: 1018-1022
Test Plate Thickness in.: 0.1270 - 0.1230	Test Plate Hole Size in.: 0.1875	Torsional Strength, Min. (in.lbf): 83
Core Hardness: HRC 28 - 38	Case Hardness: HRC 45 Min.	Case Depth (in.): .009-.004
Ductility Test Angle: 10°	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.

