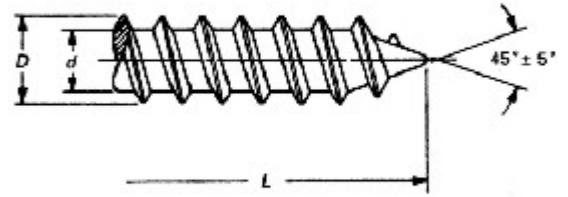
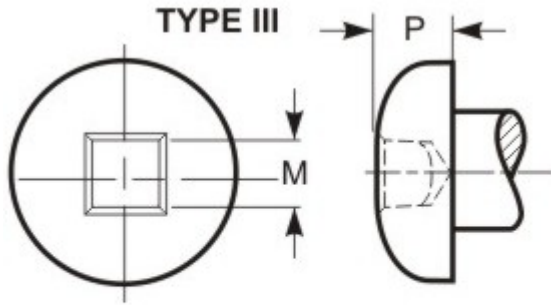


## Pan Head - Type III (square socket) - A, AB



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: #10	Threads per in.: 12	Thread Class or Type: A
Major Diameter: 0.1940 - 0.1880	Minor Dia Max/Min.: 0.133 - 0.126	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: 0.19
A - Head Diameter: 0.373 - 0.357	H - Head Height: 0.133 - 0.122	Driver Size: 2R
Penetration Depth: 0.075 - 0.060	Wobble: 3°	M - Ref. Recess Dim.: 0.112
L - Length: 1	Length Tolerance: ± 0.03	
PHYSICAL REQUIREMENTS		
Nominal: 0.19	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.: 0.1590	Torsional Strength, Min. (in.lbf): 48
Core Hardness: HRC 28 - 38	Case Hardness: HRC 45 Min.	Case Depth (in.): .009-.004
Ductility Test Angle: 10°	Straightness Factor: N/A	
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.

