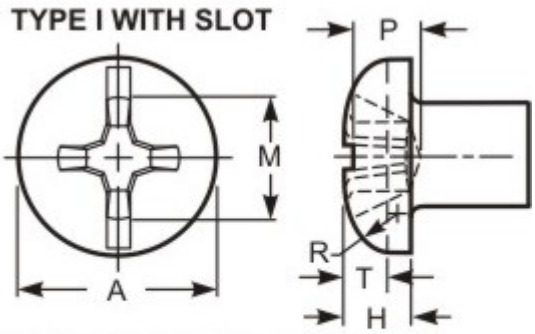
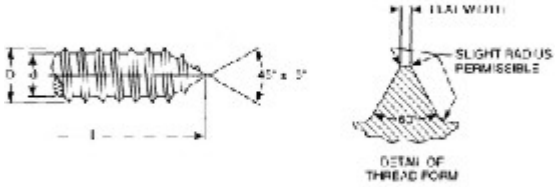
Pan Head - Type I (Phillips) Combination Sltd - A, AB



This type of recess has a large center opening, tapered wings, and blunt bottom, with all edges relieved or rounded. A slot runs parallel to one pair of recess wings.



THREAD DATA		
Size: #12	**Threads per in.:** 14	**Thread Class or Type:** AB
Major Diameter: 0.2150 - 0.2080	**Minor Dia Max/Min.:** 0.164 - 0.157	**Standard:** ASME B18.6.3-2013
DIMENSIONAL DATA		
Type: Pan Head - Type I (Phillips) Combination Sltd - 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	**J - Slot Width:** 0.067 - 0.056
T - Slot Depth: 0.077 - 0.055	**Driver Size:** 3	**Penetration Depth:** 0.124 - 0.098
Wobble: 10º	**M – Ref. Recess Dim.:** 0.252	**L - Length:** 1-1/2
Length Tolerance: ± 0.05		
PHYSICAL REQUIREMENTS		
Nominal: 0.216	**Standard:** ASME B18.6.3-2013, Type AB (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):** 88
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

[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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