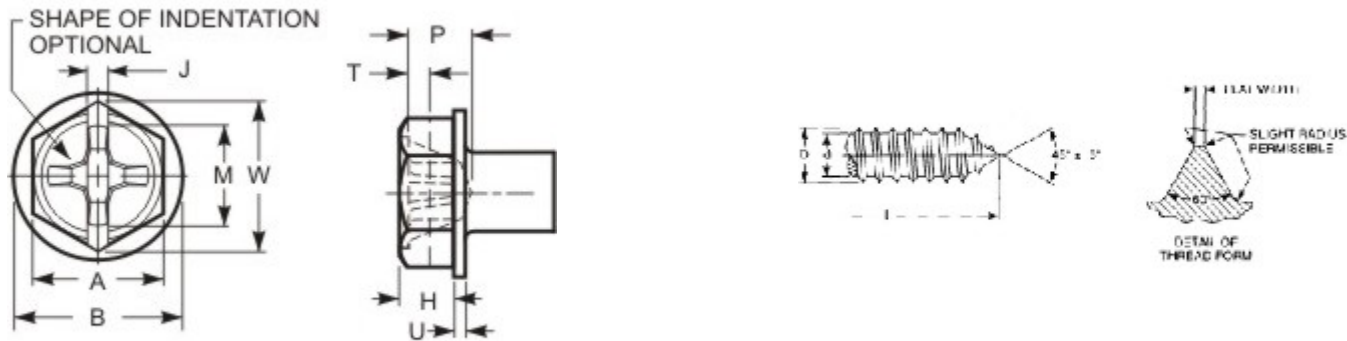


Indented Hex Washer Head - Type I (Phillips) - Combination Slted - A, AB



THREAD DATA		
Size: #10	Threads per in.: 16	Thread Class or Type: AB
Major Diameter: 0.1890 - 0.1820	Minor Dia Max/Min.: 0.141 - 0.135	Standard: ASME B18.6.3-2013
Length: 1/2	Length Tolerance: ± 0.03	
DIMENSIONAL DATA		
Type: Indented Hex Washer Head - Type I (Phillips) - Combination Slted - A, AB	Standard: ASME B18.6.3 - 2013	Nominal Diameter: 0.19
H - Head Height: 0.120 - 0.105	J - Slot Width: 0.060 - 0.050	T - Slot Depth: 0.080 - 0.052
Driver Size: 2	Penetration Depth: 0.127 - 0.102	Wobble: 12°
F - Protrusion Height: 0.063 Min	G - Gage Diameter: 0.34	A - Hex AF: 0.312 - 0.305
W - Hex AC: 0.340 Min	B - Washer Diameter: 0.414 - 0.384	U - Washer Thickness: 0.031 - 0.019
M - Ref. Recess Dim.: 0.178		
PHYSICAL REQUIREMENTS		
Nominal: 0.19	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.: 0.1590	Torsional Strength, Min. (in.lbf): 56
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.

