Hex Washer Head - Unslotted and Sltd - Self-piercing Screw - Needle Point

Image: 0.jpg

THREAD DATA		
Size: #8	**Threads per in.:** 15	**Series Designation:** Double Lead
Thread Class or Type: DWF	**Major Diameter:** 0.1690 - 0.1610	**Standard:** ASME B18.6.1
DIMENSIONAL DATA		
Type: Hex Washer Head - Unslotted and Sltd - Self-piercing Screw - Needle Point	**Standard:** ASTM C1002 (DWS-Sharp Point, Fine Thread)	**Nominal Diameter:** 0.164
H - Head Height: 0.110 - 0.096	**Point Type:** Sharp 20°- 30°	**J - Slot Width:** 0.054 - 0.045
T - Slot Depth: 0.074 - 0.052	**F - Protrusion Height:** 0.058 Min	**G - Gage Diameter:** 0.272
A - Hex AF: 0.250 - 0.244	**W - Hex AC:** 0.272 Min	**B - Washer Diameter:** 0.348 - 0.322
U - Washer Thickness: 0.031 - 0.019	**Z - Min. Point Protrusion:** 0.211	**L - Minimum Practical Length:** 3/8
L - Length: 1/2	**Length Tolerance:** ± 0.03	
PHYSICAL REQUIREMENTS		
Nominal: 0.164	**Standard:** ASTM C1002	**Typical Materials:** carbon steel: 1018-1022
Torsional Strength, Min. (in.lbf): 39	**Case Hardness:** HRC 45 min.	**Case Depth (in.):** 0.002 min.
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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