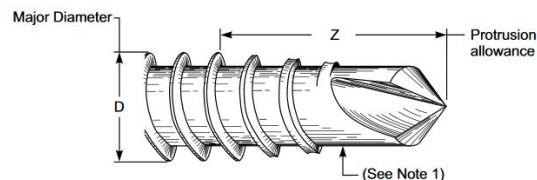
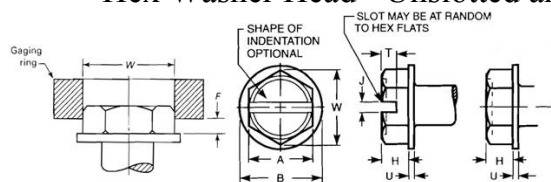


Hex Washer Head - Unslotted and Sltd - Self-drilling Screw - Type BSD, Style 3 Point



Typical Self-Drilling Tapping Screw Point

THREAD DATA		
Size: #10	Threads per in.: 16	Thread Class or Type: BSD
Major Diameter: 0.1890 - 0.1820	Standard: ASME B18.6.3-2013	
DIMENSIONAL DATA		
Type: Hex Washer Head - Unslotted and Sltd - Self-drilling Screw - Type BSD, Style 3 Point	Standard: IFI - 113-2015	Nominal Diameter: 0.19
H - Head Height: 0.120 - 0.105	J - Slot Width: 0.060 - 0.050	T - Slot Depth: 0.080 - 0.057
F - Protrusion Height: 0.063 Min	G - Gage Diameter: 0.340	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
Z - Min. Point Protrusion: 0.300	L - Minimum Practical Length: 1/2	L - Length: 5/8
Length Tolerance: $\hat{A} \pm 0.03$		
PHYSICAL REQUIREMENTS		
Nominal: 0.19	Standard: IFI-113-2015/SAE J78-2021 / ASTM C1513-2018	Typical Materials: carbon steel: 1018-1022
Test Plate Thickness in.: 0.060 - 0.064	Torsional Strength, Min. (in.lbf): 61	Core Hardness: HRC 32 - 40
Case Hardness: HRC 52 - 58	Case Depth (in.): .009-.004	Ductility Test Angle: 5Eš
Axial Test Load $\hat{A} \pm 5\%$ (0.0003 in. max. finish): 35	Axial Test Load $\hat{A} \pm 5\%$ (over 0.0003 in. finish): 40	Max. time to drill & form thread (seconds): 3.5
Test Drill Speed (RPM): 1800 - 2500	Straightness Factor: N/A	
FINISH DATA		
Finish: Zinc & Clear, hexavalent/Cr(VI) - .0001"/3Åµm	K factor (ref. DIN 946): 0.22	Standard: ASTM F1941/F1941M-2016, Fe/Zn 3A

² Calculated Pretension is equal to 75% of the bolt's yield strength achieved when using the indicated Tightening Torque.

