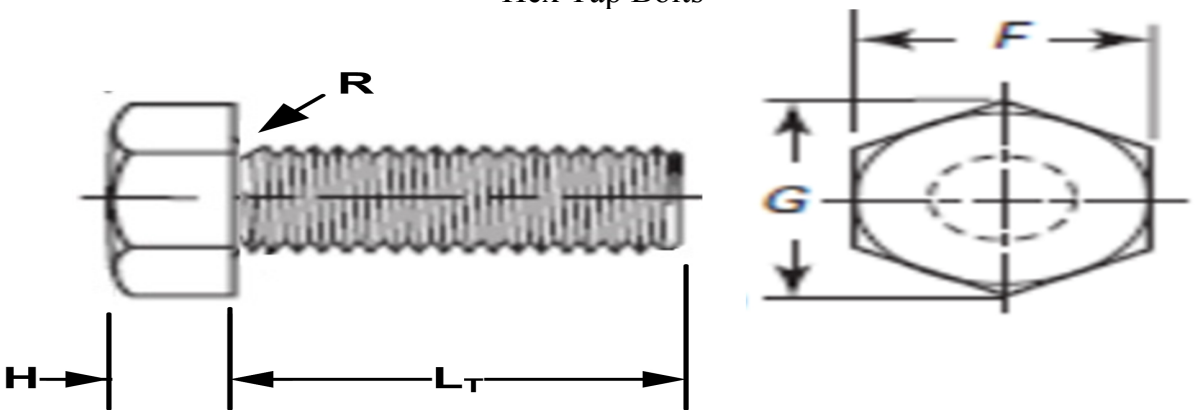
Hex Tap Bolts



F 468K

GRADE MARK

THREAD DATA		
Size: 3/8	**Threads per in.:** 16	**Series Designation:** UNC
Thread Class or Type: 2A	**Major Diameter:** 0.3737 - 0.3643	**Pitch and Functional Dia.:** 0.3331 - 0.3287
Tensile Stress Area: 0.0775	**Standard:** ASME B1.1 - 2003 (R2008)	
DIMENSIONAL DATA		
Type: Hex Tap Bolts	**Standard:** IFI - 199	**Nominal Diameter:** 0.375
F - Width Across Flats: 0.562 - 0.544	**G - Width Across Corners:** 0.650 - 0.620	**R - Fillet Radius:** 0.030 - 0.010
H - Head Height: 0.268 - 0.226	**L_T - Thread Length for Screw Length 6 in. or less:** Fully Threaded	**Point Type:** Non-pointed
L - Length: 3/4	**Length Tolerance:** +0.02/-0.03	
PHYSICAL REQUIREMENTS		
Nominal: 0.375	**Standard:** ASTM F468-2013, Silicon Bronze	**Typical Materials:** Cu 651
Hardness: HRB 95 - 75	**Tensile Load, Min. (lbf):** 5425	**Yield PSI, 2% Offset, Machined Specimen:** 55,000
Tensile Strength, Min. (psi): 70,000	**Tensile Strength, Max. (psi):** 100,000	**Calculated Shear Load-BODY (ref.)(lbf):** 3,255
Calculated Shear Load-THREADS (ref.)(lbf): 2,713	**Straightness Factor:** N/A	**Calculated Pretension[2] (lbf) :** 3,197
Tightening Torque [1]: 20 ft.lbf, 240 in.lbf, 27.1 Nm		
FINISH DATA		
Finish: As received steel	**K factor (ref. DIN 946):** 0.2	

[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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