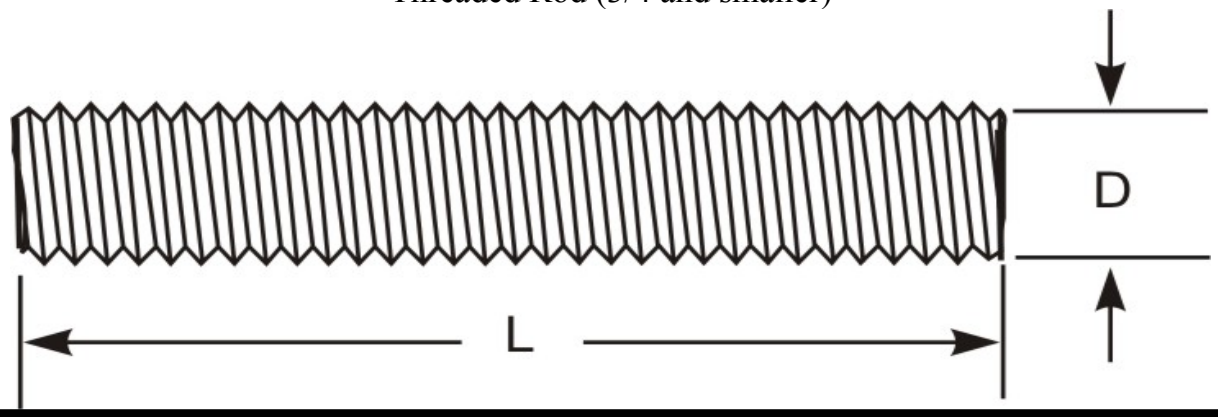
Threaded Rod (3/4 and smaller)



THREAD DATA		
Size: 1/4	**Threads per in.:** 20	**Series Designation:** UNC
Thread Class or Type: 1A	**Major Diameter:** 0.2489 - 0.2367	**Pitch and Functional Dia.:** 0.2164 - 0.2108
Tensile Stress Area: 0.0318	**Standard:** ASME B1.1 - 2003 (R2008)	
DIMENSIONAL DATA		
Group: Threaded Rod-Inch	**Type:** Threaded Rod (3/4 and smaller)	**Standard:** ASME B18.31.3 - 2014
Size: 1/4	**TPI:** 20	**Nominal:** 0.25
Ends: Sheared	**L - Length:** 12 foot	**Length Tolerance:** +/- 1/2
PHYSICAL REQUIREMENTS		
Nominal: 0.25	**Standard:** ASTM A307A-2014	**Typical Materials:** low carbon steel, 1006 through 1022
Hardness: HRB 69 - 100	**Tensile Load, Min. (lbf):** 1,908	**Yield PSI, 2% Offset, Machined Specimen:** 36,000
Elongation, min. %, Machined Specimen: 18	**Tensile Strength, Min. (psi):** 60,000	**Calculated Shear Load-THREADS (ref.)(lbf):** 954
Tightening Torque [1]: 4 ft.lbf, 47 in.lbf, 5.3 Nm		
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.