

SHEFFIELD™ STAINLESS STUD STOCK

Sheffield Stainless Stud Stock is manufactured using the “**thread rolling**” process. This process hardens the thread, resulting in higher physical properties and a greater resistance to stretching (creep). It also eliminates the tooling marks that weaken machined threads.

This stainless product lends itself to take the most advantage from thread rolling. **Sheffield Stainless Stud Stock** responds unusually well to cold work. The Austenitic Grain Structure develops a high degree of thread strength during the rolling process.

Advantage of Thread Rolling

Thread rolling deforms the blank material as it is forced along the contour of the die. **Sheffield Stainless Stud Stock** offers a high degree of corrosion resistance, (similar to a 316L), with the added strength of strain hardened threads.

Sheffield Stainless Stud Stock should be considered as a suitable upgrade where maintenance applications require improved strength and durability. In high torque and high stress applications, **Sheffield Stainless Stud Stock** significantly exceeds the expected service life of other threaded products.

Improved Finish

Sheffield Stainless Stud Stock bars have less surface imperfections that may cause possible failure in severe service applications. Thread rolling dies impart smooth burnished roots and flanks to threads. Rolled threads are free from tears or tool marks typically found in to cut threads. Those surface imperfections contribute to fatigue failure, and may lead to catastrophic failure.

Sheffield Stainless Stud Stock provides excellent service and maintains superb physical strength in temperatures up to 1700 °F. **Sheffield Stainless Stud Stock** meets or exceed criteria for 316/316L dual certification.

Past Protected Trade Name Of Pyramid Steel Company – Lusterex™ Stainless Threaded Rod



Typical Physical Properties*

Hardness.....	186 BHN
Tensile Strength.....	82,000 P.S.I.
Yield Strength.....	33,000 P.S.I.
*Based on 1/2" Diameter Specimen	

Available Sizes - National Fine

1/4" (28)	9/16" (18)
5/16" (24)	5/8" (18)
3/8" (24)	3/4" (16)
7/16" (20)	7/8" (14)
1/2" (20)	1" (12,14)

Available Sizes - National Coarse

1/4" (20)	9/16" (12)	1-1/8" (7)
5/16" (18)	5/8" (11)	1-1/4" (7)
3/8" (16)	3/4" (10)	1-3/8" (6)
7/16" (14)	7/8" (9)	1-1/2" (6)
1/2" (13)	1" (8)	

Available Sizes – Eight Pitch Series

1-1/8" (8)	1-3/8" (8)
1-1/4" (8)	1-1/2" (8)

Stock Lengths

10 / 12 Ft Random Lengths