

ALL THREAD ROD 316ss (B8M)

SUBMITTAL SPECIFICATIONS

Abstract of ASTM A193

Material Grade: AISI Type 316ss, ASTM A193-B8M Cl. 1

Chemical Requirements (%)

Carbon(max):	0.08
Manganese(max):	2.00
Phosphorous (max):	0.045
Sulfur (max):	0.030
Silicon(max):	1.00
Chromium:	16.00 – 18.00
Niobium:	10.00-14.00

Mechanical Requirements

<u>All Diameters</u>	<u>Minimum</u>	<u>Maximum</u>
Tensile Strength (KSI)	75	
Yield Strength (KSI)	30	
Elongation in 4D (%)	30	
Reduction of Area (%)	50	
Hardness (Brinell)		223
Hardness (Rockwell)		B96

Identification Symbol: Manufacturers Trademark + B8M

Other:

Unless otherwise specified in the purchase order, Rod shall be threaded in accordance with ANSI/ASME B1.1, Unified Inch Screw Threads, Class 2A Fit. Additional information can be found in ASTM A193/A193M – Alloy Steel and Stainless Steel Bolting Materials for High-Temperature Services.

Nuts: Nuts shall conform to ASTM A194 Grade 8M Heavy Hex (ASME B18.2.2)

Flat Washers: T-316 Stainless