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**Submittal Specifications**  
Abstract of ASTM F593 & F594

**All Thread Rod SS 304**  
(Grade: Unstabilized 18 Chromium, 8 Nickel (ANSI TYPE 304))

**Chemical Requirements**

Chemical Analyses Shall Be Performed in Accordance with ASTM A751

Carbon Max.	0.08
Manganese Max.	2.0
Phosphorous Max.	0.045
Sulfur Max.	0.030
Silicon Max.	1.0
Chromium	18.0 to 20.0
Nickel	8.0 to 10.5
Copper	1.0

**Mechanical Requirements**

Hardness Rockwell Min.	B80-C32
Yield Strength (KSI) Min.	45
Tensile Strength (KSI) Min.	85
Elongation	50

- Hex Nut ASTM F594 (ASME B18.2.2)
- Heavy Hex Nut F594 (ASME B18.2.2)
- Commercial Flat Washer Stainless Steel 18-8

Dimensional Data: Unless otherwise specified in the purchase order, shall be threaded in accordance with ANSI/ASME B18.2.1. For complete spec please see ASTM F593 or for nuts ASTM F594.