

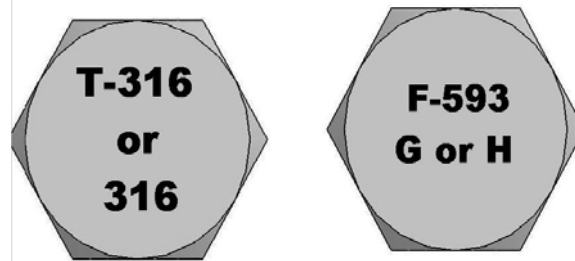


HEX BOLT T-316 – ASTM F593

18 Chromium, 10 Nickel, 2 Molybdenum (AISI T-316)

Chemical Requirements

- Carbon max 0.080
- Manganese max 2.00
- Phosphorous max 0.045
- Sulfur max 0.030
- Silicon max 1.00
- Chromium 16-18
- Nickel 10-14
- Molybdenum 2-3



Mechanical Requirements

	<u>Cold Worked</u>	<u>Hot Forged</u>
• Hardness Rockwell	Min B80-C32	B65-B95
• Tensile strength (KSI) (1/4" to 5/8" DIA)	Min 100 Max 150	-----
• Tensile strength (KSI) (3/4" to 1 1/2" DIA)	Min 85 Max 140	-----
• Tensile strength (KSI) (1/4" to 1 1/2" DIA)	-----	Min 75 Max 100
• Yield Strength (KSI)	Min 45 - 65	Min 30
• Elongation	25	30

Hex Nuts ASTM F594 (ASME B18.2.2) Heavy Hex Nuts ASTM F594 (ASME B18.2.2)

T-316 Stainless Steel Washers

Buried Submerged Above Grade Below Grade Other

Dimensional Data

- Unless otherwise specified in the purchase order, shall be threaded in accordance with ANSI/ASME B18.2.1, page C-1, for hex cap screws (finished hex bolts).
- Additional information can be found in ASTM F593, DTD 1998 (Stainless Steel Bolts, Hex Cap Screws) and in ASTM F594, DTD 1998 (Stainless Steel Nuts).