

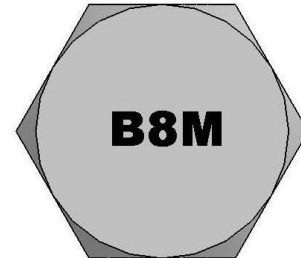


HEAVY HEX BOLT GRADE B8M T-316

18 Chromium, 10 Nickel, 2 Molybdenum (AISI Type 316) Carbide Solution Treated

Chemical Requirements

	<u>Range</u>	<u>Variation</u>
• Carbon max	0.08	0.01 over
• Manganese max	2.00	0.04 over
• Phosphorous max	0.045	0.010 over
• Sulfur max	0.030	0.005 over
• Silicon max	1.00	0.05 over
• Chromium	16-18	0.20
• Nickel	10-14	0.15
• Molybdenum	2-3	0.10



Mechanical Requirements

- Hardness Brinell Min 223
- Hardness Rockwell Min 96
- Tensile strength (KSI) Min 75
- Yield Strength (KSI) Min 30
- Reduction of Area (%) 50
- Elongation (%) 30

Hex Nuts ASTM A194 8M T-316 T-316 Stainless Steel Washers

Buried Submerged Above Grade Below Grade Other

Dimensional Data

- All bolts and nuts should be heavy pattern.
- Unless otherwise specified in the purchase order, shall be threaded in accordance with ANSI/ASME B1.1, page A-26, class 2A fit.
- Bolt Heads shall be in accordance with the dimensions of ANSI/ASME B18.2.1, page C-1.
- Additional information can be found in ASTM 193/A193M & ASTM A320, DTD 1998 (Alloy Steel and Stainless steel Bolting Materials for High & Low Temperature Services) and in ASTM A194/A194M, DTD 1998 (Carbon and Alloy Steel Nuts for Bolts for High & Low Temperature Services).