



HEX BOLT 316SS

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

Chemical Requirements

- Carbon max 0.080
- Manganese max 2.00
- Phosphorus 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 Forges</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
➤ Elongation	25	30

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 (finish hex bolts)

