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HEX BOLTS T-304 STAINLESS STEEL

SUBMITTAL SPECIFICATIONS

Abstract of ASTM F593 & F-594

GRADE: UNSTABILIZED 18 CHROMIUM, 8 NICKEL (ANSI TYPE 304)
(Please see Note Below for special conditions)

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

| CARBON MAX | MANGANESE MAX | PHOSPHOROUS MAX | SULFUR MAX | SILICON MAX | CHROMIUM | NICKEL | COPPER |
|---------------|------------------|--------------------|---------------|----------------|--------------|-------------|--------|
| 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 18.0 To 20.0 | 8.0 To 10.5 | 1.00 |

MECHANICAL REQUIREMENTS

| HARDNESS ROCKWELL | TENSILE STRENGTH | YIELD STRENGTH | ELONGATION |
|----------------------|---------------------|-------------------|------------|
| MIN B80-C32 | (KSI) MIN 85 | (KSI) MIN 45 | 25 |

HEX NUTS ASTM A594 (ASME B18.2.2)

HEAVY HEX NUTS ASTM A594 (ASME B18.2.2)

WASHERS T 304 STAINLESS STEEL

Dimensional Data: Unless otherwise specified in the purchase order, parts shall be coarse threaded series as specified in the latest issue of ANSI/ASME B18.2.1, page C-1 or Hex Cap Screws (Finished Hex Bolts). Additional information can be found in ASTM F-593, DTD 1998/ (Stainless Steel Bolts, Hex Cap Screws) and in ASTM F-594, DTD 1998 (Stainless Steel Nuts).

Note: If "Special" Group 1 Condition SH-1, SH-2, SH-3, and or SH-4 apply please specify at time of order as material costs are considerably higher and material has a longer lead time. Please see attachment.