

# DOMESTIC HEX BOLTS T304 STAINLESS STEEL

## SUBMITTAL SPECIFICATIONS

Abstract of ASTM F593 & F594

Grade: Unstabilized 18 Chromium, 8 Nickel (ANSI TYPE 304)

## CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

CARBON MAX	MANGANESE MAX	PHOPHOROUS 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 F594 (ASME B18.2.2)     Heavy Hex Nuts ASTM F594 (ASME B18.2.2)

Washers T304 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).