

ALL THREAD ROD 304 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	SULFER 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 MIN	YIELD STRENGTH (KSI) MIN	TENSILE STRENGTH (KSI) MIN	ELONGATION
B80-C32	45	85	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 the 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) and AWWA C111.

ADDITIONAL INFORMATION: 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).