

DOMESTIC HEX BOLT T316 & OVAL T-BOLT T316

SUBMITTAL SPECIFICATION
ABSTRACT OF ASTM F593 & F594

GRADE: 18 CHROMIUM, 10 NICKEL, 2 MOLYBDENUM (ANSI T-316)

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

CARBON MAX	MANGANESE MAX	PHOPHOUS MAX	SULFUR MAX	SILICON MAX	CHROMIUM	NICKEL	MOLYBDENUM
0.08	2.00	0.045	0.030	1.00	16.0 to 18.0	10.0 to 14.0	2.00 to 3.00

MECHANICAL REQUIREMENTS

HARDNESS ROCKWELL MIN	TENSILE STRENGTH (KSI) (1/4" to 5/8" DIA)		TENSILE STRENGTH (KSI) (3/4" to 1 1/2" DIA)		YIELD STRENGTH (KSI) MIN	ELONGATION (%)
	MIN	MAX	MIN	MAX		
B80-C32	100	150	85	140	45	25

<input type="checkbox"/> Hex Nuts ASTM F594 (ASME B18.2.2)	<input type="checkbox"/> Heavy Hex Nuts ASTM F594 (ASME B18.2.2)
<input type="checkbox"/> Hex Nuts ASTM F594 Teflon Coated Blue	<input type="checkbox"/> Heavy Hex Nuts ASTM F594 Teflon Coated Blue

T-316 Stainless Steel Washers

LOCATION

<input type="checkbox"/> Buried	<input type="checkbox"/> Submerged	<input type="checkbox"/> Above Grade	<input type="checkbox"/> Below Grade	<input type="checkbox"/> Other
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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).

ADDITINOAL 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).