INDUSTRIAL THREADED PRODUCTS INC.

13580 FIRESTONE BLVD., SANTA FE SPRINGS, CA 90670
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010610

DOMESTIC HEX BOLT STAINLESS STEEL T-316

T-316 or 316

F-593 G or H

SUBMITTAL SPECIFICATIONS

Abstract of ASTM F593 & F594

Grade: 18 Chromium, 10 Nickel, 2 Molybdenium (ANSI T-316)

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

CARBON MAX	MANGANESE MAX	PHOSPHOROUS MAX	SULFER 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

☐ Hex Nuts ASTM F594 (ASME B18.2.2) ☐ Heavy Hex Nuts ASTM F594 (ASME B18.2.2)

☐ T-316 Stainless Steel Washers

LOCATION

☐ Buried ☐ Submerged ☐ Above Grade ☐ Below Grade ☐ Other

DIMENSIONAL DATA: Unless otherwise specified in the purchase order, parts shall be threaded in accordance with ANSI/ASME B18.2.1, Page C-1, for Hex Cap Screws (Finished Hex Bolts). Additional information can be found in ASTM F593, DTD 1998 (Stainless Steel Bolts, Hex Cap Screws) and in ASTM F594, DTD 1998 (Stainless Steel Nuts.)

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