



THOMPSON ENTERPRISES

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SUBMITTAL INFORMATION

"STAINLESS STEEL BOLTS,
HEX CAP SCREWS, AND STUDS

"STAINLESS STEEL NUTS"

"T-316"

GRADE: 18 CHROMIUM, 10 NICKEL, 2 MOLYBDENUM (AISI TYPE 316)

CHEMICAL REQUIREMENTS:

	<u>PERCENT MAXIMUM</u>
CARBON MAX	0.08
MANGANESE	2.00
PHOSPHOROUS, MAX	0.045
SULFUR, MAX	0.03
SILICON	1.00
CHROMIUM	16.00 - 18.00
NICKEL	10.00 - 14.00
MOLYBDENUM	2.00 - 3.00

MECHANICAL REQUIREMENTS:

	<u>MINIMUM</u>
TENSILE STRENGTH (KSI)	75
YIELD STRENGTHS (KSI)	45
ELONGATION (%)	25
HARDNESS (ROCKWELL)	B95 - C32

NOTES: HEADED AND ROLLED FROM ANNEALED STOCK THUS REQUIRING A DEGREE OF COLD WORK (CW) SIZES 0.75 IN. AND LARGER MAY BE HOT WORKED.

IDENTIFICATION SYMBOL: BOLTS - T-316, 316, F593, G OR H
NUTS - T-304, 316, F594 ,G OR H

OTHER:

ALL BOLTS, NUTS & STUDS, UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER SHALL BE THREADED IN ACCORDANCE WITH ANSI/ASME B18.2.1, PAGE C-1.

FOR HEX CAP SCREWS (FINISHED HEX BOLTS.) UNLESS OTHERWISE SPECIFIED THE DIMENSIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/ASME B 18.2.2, PAGE D-1, FOR HEX NUTS.

ADDITIONAL INFORMATION CAN BE FOUND IN ASTM F593, DTD 1993 (STAINLES STEEL BOLTS, HEX CAP SCREWS, AND STUDS) AND IN ASTM F594, DTD 1993 (STAINLESS STEEL NUTS.)

FLAT WASHERS:

ALL WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS.