

HEX BOLT, 316 S.S.

SUBMITTAL SPECIFICATION

"BOLTS & STUDS"

MATERIAL / GRADE: UNS S31600, 316 STAINLESS STEEL

CHEMICAL REQUIREMENTS (%):

ASTM A479

CARBON, MAX	0.08
MANGANESE, MAX	2.00
PHOSPHOROUS, MAX	0.045
SULFUR, MAX	0.030
SILICON, MAX	1.00
CHROMIUM	16.00 - 18.00
NICKEL	10.00 - 14.00
NITROGEN, MAX	0.10
MOLYBDENUM	2.00 - 3.00

MECHANICAL REQUIREMENTS:

<u>ALL DIAMETERS</u>	<u>MINIMUM</u>
TENSILE STRENGTH (KSI)	75
YIELD STRENGTHS (KSI)	30
ELONGATION IN 4D (%)	30
REDUCTION OF AREA (%)	40

IDENTIFICATION SYMBOL: 316

OTHER:

ALL BOLTS & STUDS, UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER SHALL BE THREADED IN ACCORDANCE WITH ANSI/ASME B1.1 UNIFIED INCH SCREW THREADS CLASS 2A FIT. BOLT HEADS SHALL BE IN ACCORDANCE WITH THE DIMENSIONS OF ANSI/ASME B18.2.1, HEX BOLTS. UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER, THE HEX BOLT SERIES SHOULD BE USED.

NUTS:

UNLESS OTHERWISE SPECIFIED, HEX NUTS SHALL BE 316 S/S AND CONFORM DIMENSIONALLY TO ANSI/ASME B18.2.2.

FLAT WASHERS:

UNLESS OTHERWISE SPECIFIED, ALL WASHERS SHALL BE 316 AND CONFORM DIMENSIONALLY TO ASME B18.22.1.

Pacific Coast Bolt