

# HEX BOLTS / STUDS ASTM A307 GR. A

## ***SUBMITTAL SPECIFICATION***

"ABSTRACT OF ASTM A307"

"CARBON STEEL BOLTS & STUDS, 60,000 PSI TENSILE STRENGTH"

**MATERIAL / GRADE:** STEEL, ASTM A307 GR. A

**CHEMICAL REQUIREMENTS (%):**

PHOSPHOROUS, MAX	0.06
SULFUR, MAX	0.15

**MECHANICAL REQUIREMENTS:**

<u>ALL DIAMETERS</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
TENSILE STRENGTH (KSI)	60	
YIELD STRENGTHS (KSI)	...	
ELONGATION IN 2 IN. (%)	18	
HARDNESS (BRINELL)	121	241
HARDNESS (ROCKWELL)	B69	B100

**IDENTIFICATION SYMBOL:** 307A

**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 ON THE PURCHASE ORDER, THE HEX BOLT SERIES SHOULD BE USED. ADDITIONAL INFORMATION CAN BE FOUND IN ASTM A307, (CARBON STEEL BOLTS AND STUDS 60,000 PSI TENSILE STRENGTH)

**NUTS:**

NUTS SHALL CONFORM TO ASTM A563 GR. A, UNLESS OTHERWISE SPECIFIED. ADDITIONAL INFORMATION CAN BE FOUND IN ASTM A563, (CARBON AND ALLOY STEEL NUTS).

**FLAT WASHERS:**

UNLESS OTHERWISE SPECIFIED ON THE PURCHASE ORDER, ALL WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS. (REF. ASTM F844)

**Pacific Coast Bolt**