



# INDUSTRIAL THREADED PRODUCTS INC.

13580 FIRESTONE BLVD. , SANTA FE SPRINGS, CA 90670

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## HEX BOLTS A307 GRADE A



### SUBMITTAL SPECIFICATIONS

Abstract of ASTM A307 Grade A

GRADE: Low Carbon Steel 60,000 PSI

### CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

CARBON MAX	MANGANESE MAX	PHOSPHOROUS MAX	SULFUR MAX
0.29	1.20	0.04	0.15

### MECHANICAL REQUIREMENTS

HARDNESS BRINEL		HARDNESS ROCKWELL		TENSILE STRENGTH		ELONGATION IN 2 IN (50MM)
MIN	MAX	MIN	MAX	MIN (KSI)	MAX	MIN
121	241	69	100	60	-	18

<input type="checkbox"/> Hex Nuts ASTM A563 ( ASME B18.2.2)	<input type="checkbox"/> Heavy Hex Nuts ASTM A563 (ASME B18.2.2)
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<input type="checkbox"/> Washers ASTM F844-04 (ASME B18.22.1)
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### BOLTS AND NUTS MAY BE SUPPLIED

<input type="checkbox"/> Plain	<input type="checkbox"/> Zinc Plated	<input type="checkbox"/> Hot Dip Galvanized	<input type="checkbox"/> Cadmium Plated
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### 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, threads shall be the coarse threaded series as specified in the latest issue of ANSI / ASME B1.1, page A-26. Having a class 2A tolerance. Grade A Bolts shall have Hex Bolt Dimensions as given in the latest issue of ANSI / ASME B 18.2.1, page C1. Unless otherwise specified Grade A Bolts should be used with Hex Nuts.

**ADDITIONAL INFORMATION:** Additional information can be found in ASTM A307A-07b, ASTM A563 -04a