



INDUSTRIAL THREADED PRODUCTS INC.

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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	0.90	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 F844-90

BOLTS AND NUTS MAY BE SUPPLIED

<input type="checkbox"/> Plain	<input type="checkbox"/> Zinc Plated	<input type="checkbox"/> Hot Dip Galvanized
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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 A307 DTD 2001, ASTM A563, DTD 2001.