

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	PHOPHOUS MAX	SULFER MAX
0.29	1.20	0.04	0.15

MECHANICAL REQUIREMENTS

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

Hex Nuts ASTM A563 (ASME B18.2.2) Heavy Hex Nuts ASTM A563 (ASME B18.2.2)

Washers ASTM F844-04 (ASME B18.22.1)

BOLTS AND NUTS MAY BE SUPPLIED

Plain Zinc Plated per ASTM B633 Hot Dip Galvanized Per ASTM A153 Cadmium Plated

LOCATION

Buried Submerged Above Grade Below Grade Other

DIMENSIONAL DATA: Unless otherwise specified in the purchase order, parts shall be the coarse threaded series as specified in the latest issue of ANSI / ASME B1.1, page A-26. Having a 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.

ADDITINOAL INFORMATION: Additional information can be found in ASTM A307A-07B, ASTM A563-04A