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DOMESTIC HEAVY HEX BOLTS

A307 GRADE B

SUBMITTAL SPECIFICATIONS
Abstract of ASTM A307 Grade B



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	0.90	0.04	0.05

MECHANICAL REQUIREMENTS

HARDNESS BRINEL		HARDNESS ROCKWELL		TENSILE STRENGTH (KSI)		ELONGATION IN 2 IN (50 MM)
MIN	MAX	MIN	MAX	MIN	MAX	MIN
121	212	69	95	60	100	18

Heavy Hex Nuts ASTM A563 (ASME B18.2.2) Washers ASTM F844-90 (ASME B18.22.1)

BOLTS AND NUTS MAY BE SUPPLIED

Plain Zinc Plated Hot Dip Galvanized Blue Xylan CAD Plated

LOCATION

Buried Submerged Above Grade Below Grade Other

DIMENSIONAL DATA: Unless otherwise specified, threads shall be the coarse threaded series as specified in the latest issue fo ANSI / ASME B1.1, page A-26. Having a class 2A tolerance. Grade B Bolts shall have Heavy Hex Bolt Dimensions as given in the latest issue of ANSI / ASME B 18.2.1, page C1. Unless otherwise specified Grade B Bolts should be used with Heavy Hex Nuts.

ADDITIONAL INFORMATION: Additional information can be found in ASTM A307-07B, ASTM A563-04A

BREA
515 North Puente Street
Brea, CA 92821
Phone: (800) 976-2658
Fax: (800) 646-4249

RANCHO CUCAMONGA
12027 Arrow Route
Rancho Cucamonga, CA 90670
Phone: (909) 466-9445
Fax: (909) 945-2696

FRESNO
1832 G Street
Fresno, CA 93706
Phone: (559) 233-2957
Fax: (559) 233-2961