

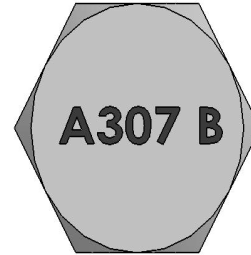


HEAVY HEX BOLT GRADE B

Low carbon steel 60,000 PSI

Chemical Requirements

- Carbon max 0.29
- Manganese max 0.90
- Phosphorous max 0.04
- Sulfur max 0.05



Mechanical Requirements

- Hardness Brinell Min 121 Max 212
- Hardness Rockwell Min 69 Max 95
- Tensile strength (KSI) Min 60 Max 100
- Elongation Min 18 IN 2in (50mm)

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

Black Plain Zinc Plated Hot Dip Galv FlourKote #1

Buried Submerged Hot Dip Galv Above Ground

Dimensional Data

- Unless otherwise specified, threads shall be the coarse thread series as specified in the latest issue on 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 of ANSI/ASME B 18.2.1 page C1.
- Unless otherwise specified Grade B bolts should be used with heavy hex nuts.
- Additional information can be found in ASTM A307 DTD 2001, ASTM A563, and DTD 2001.