

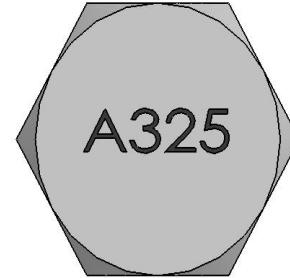


STRUCTURAL BOLT A325

Type 1, Medium Carbon Steel

Chemical Requirements

- Carbon min 0.30
- Manganese min 0.60
- Phosphorous max 0.040
- Sulfur max 0.050
- Silicon min 0.15



Mechanical Requirements

- Hardness Brinel Min 223 Max 286
- Hardness Rockwell Min 19 Max 30
- Tensile strength (KSI) Min 105 Max ---
- Elongation Min 14 IN 2in (50mm)

Hex Nuts ASTM A194/A194M (ASME B18.2.2) Washers F436 Hardened Steel

Black Plain Zinc Plated Hot Dip Galv FlourKote #1

Buried Submerged Hot Dip Galv Below Grade Buried

Dimensional Data

- Bolts with hex heads shall be full body bolts conforming to the dimensions for the heavy hex structural bolts specified in ANSI/ASME B18.2.1.
- Threads shall be unified coarse thread series as specified in ANSI/ASME B1.1

Bolt Diameter	Thread Length
5/8" - 11	1-1/4"
3/4" - 10	1-3/8"
7/8" - 9	1-1/2"
1" - 8	1-3/4"

- Additional information can be found in ASTM A325, DTD 2001 and IFI "Commentary on High Strength Structural Bolting"