

Product Information Sheet

HEX NUTS, GRADE A, INCH SERIES

Typical Material: Low Carbon Steel (1008 / 1010) sizes up to 1 inch (cold-formed). 1045 steel for sizes over 1 inch when hot formed (China).

Material and Mechanical Properties: Purchased to meet ASTM A563 Grade A.

Dimensions: ASME/ANSI B18.2.2

Zinc Plating: Purchased to meet ASTM F1941 FeZn3A

Hot-Dip Galvanized: Purchased to meet ASTM A153

- HDG nuts are tapped oversize per ASTM A563

Hardness: HRB 68 - HRC 32

Proof Load Strength: 90,000 PSI Minimum (68,000 PSI for HDG nuts)

- Proof load is defined as an axially-applied load using a bolt or mandrel that must be supported by a nut without evidence of thread stripping or rupture. The specifications do not include breaking strength, or tensile strength of coupling nuts



WRENCH / SOCKET SIZES - HEX NUTS

Bolt Size	Socket Size	Bolt Size	Socket Size
1/4	7/16	9/16	13/16
5/16	1/2	5/8	15/16
3/8	9/16	3/4	1 1/8
7/16	5/8	7/8	1 5/16
1/2	3/4	1	1 1/2
1 1/8	1 11/16	2	3
1 1/4	1 7/8	2 1/4	3 3/8
1 3/8	2 1/16	2 1/2	3 3/4
1 1/2	2 1/4	2 3/4	4 1/8
1 3/4	1 5/8	3	4 1/2



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