

# Product Information Sheet

## HEX NUTS, GRADE 5, INCH SERIES

**Typical Material:** Low to Medium Carbon Steel (1008 1035) for sizes up to 1 inch when hot-formed (China)

**Material and Mechanical Properties:** Purchased to meet SAE J995 Grade 5

**Dimensions:** ASME/ANSI B18.2.2

**Zinc Plating:** Purchased to meet ASTM, F1941 FeZn3A

**Hardness:** HRC 32 Maximum (will typically be HRB 70 min)

**Proof Load Strength:** 120,000 PSI Minimum for sizes 1/4 through 1 UNC threads, 105,000 PSI for sizes 1 1/8 through 1 1/2 UNC threads; 109,000 PSI 1/4 through 1 UNF threads, and 94,000 PSI for sizes 1 1/8 through 1 1/2 UNF threads.



- 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 the breaking strength, or tensile strength of nuts

### WRENCH/SOCKET SIZES

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	2 5/8	3	4 1/2



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