

Porteous Fastener Company

Product Information Sheet

Hex High Nuts, Grade 8, Inch Series



- PFC Product Category: 00235.
- Typical Material: Low to Medium Carbon Steel (1021 – 1045, most 1045).
- Material and Mechanical Properties: Purchased to meet SAE J995 Grade 8.
- Dimensions: SAE J482, threads are UNF
- Typically stocked plain only.
- Hardness: HRC 24-32 for sizes 3/8 through 5/8, HRC 26-34 for sizes over 5/8 through 1, HRC 26-36 for sizes over 1 to 1 1/4.
- Proof Load Strength: 150,000 PSI .
 - 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.

Dimensions - Hex High Nuts		
Size	Across Flats	Thickness
3/8	0.551-0.5625 (9/16)	0.491-0.509 (1/2)
7/16	0.675-0.3875 (11/16)	0.599-0.619 (39/64)
1/2	0.736-0.750 (3/4)	0.645-0.667 (21/32)
9/16	0.861-0.875 (7/8)	0.754-0.778 (49/64)
5/8	0.922-0.9375 (15/32)	0.831-0.857 (27/32)
3/4	1.088-1.125 (1 1/8)	0.985-0.1.015 (1)
7/8	1.269-1.3125 (1 5/16)	1.140-1.172 (1 5/32)
1	1.450-1.500 (1 1/2)	1.294-1.330 (1 5/16)
1 1/8	1.631-1.6875 (1 11/16)	1.480-1.520 (1 1/2)
1 1/4	1.812-1.875 (1 7/8)	1.666-1.710 (1 11/16)