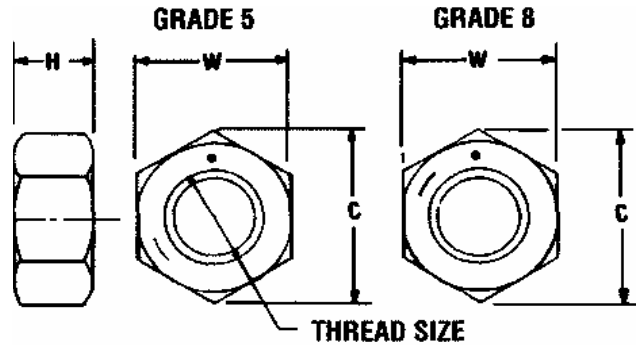


Hexagon Nuts

Inch Series, UNC/UNF-Dimensions-Physical Properties

Note :

1. The nuts will generally conform to ANSI B 18.2.2 (Nuts made as per ANSI B 18.2.2 will also generally conform to BS 1768).
2. Threads will conform to Class 2B of ANSI B 1.1 and BS 1580 for Unified threads (coarse/fine)
3. Material & Heat Treatment
To achieve mechanical properties of SAE grade 5 or 8 (Nuts made to SAE grade 5 and 8 will also generally conform to requirements of grade 1 & 5 of B.S. 1768 respectively).
4. In Bolts/Nut assembly, tightening should be done by rotation of nut. Torque values as recommended in tables for bolts (p:7).
5. All dimensions are in inches.



Dimensions

Thread Size	T. P. I.		W Max.	C Max.	H Nom.
	UNC	UNF			
1/4"	20	28	0.4375	0.505	0.219
5/16"	18	24	0.5000	0.577	0.266
3/8"	16	24	0.5625	0.650	0.328
7/16"	14	20	0.6875	0.794	0.375
1/2"	13	20	0.7500	0.866	0.437
5/8"	11	18	0.9375	1.083	0.547
3/4"	10	16	1.1250	1.300	0.641
7/8"	9	14	1.3125	1.515	0.750
1"	8	12	1.5000	1.732	0.859

Physical Properties :

Grade	For use with Bolts of Grade	Proof Load Stress	Size	Rockwell Hardness
5	5	120000 Lbs/in ²	All Sizes	RC 32 max
		78.9 kgf/mm ²		
8	8	150000 Lbs/in ²	Up to 5/8"	RC 24-32
		102.6 kgf/mm ²	above 5/8" Up to 1"	RC 26-34