

HEX NUT MARKINGS AND PROPERTIES

ASTM A194

Grade 2, 2H, 4 and 7

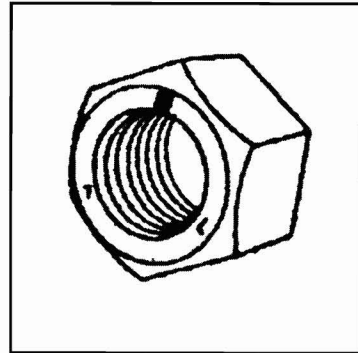
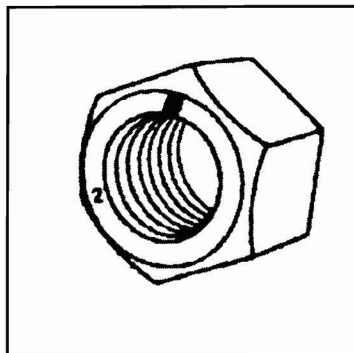
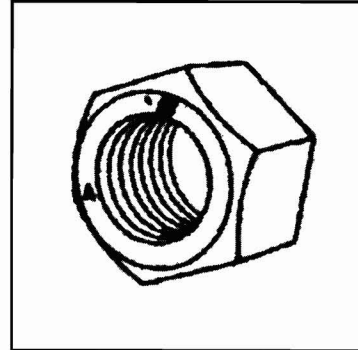
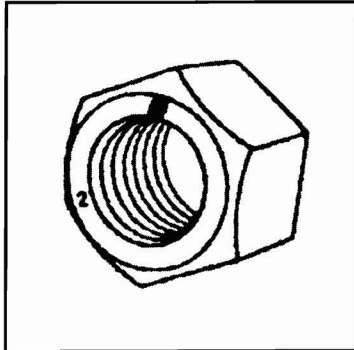
(Mechanical Properties)

AN Standard B18.2.2

(Dimensions)

For high-temperature, high-pressure in combination with alloy studs and bolts.

These nuts are tapped UNC-2B in sizes of 1" and under or BUN-2B over 1".



ASTM A194 - GRADE 2

Treated nuts suitable for moderate temperature and pressure conditions.

ASTM A194 - GRADE 2H

Quenched nuts suitable for high-temperature and high-pressure conditions.

ASTM A194 - GRADES 4 and 7

Heat-treated carbon-molybdenum and chromium molybdenum steel nuts suitable for severe temperature and pressure conditions.

Chemical Composition							
Grade	C	Mn	P	S	Si	Mo	Cr
2 and 2H	0.40 min	-	0.04 max	0.05 max	-	-	-
4	0.40 to 0.50	0.70 to 0.90	0.035 max	0.04 max	0.20 to 0.35	0.20 to 0.30	-
7	0.38 to 0.48	0.75 to 1.00	0.04 max	0.04 max	0.20 to 0.35	0.15 to 0.25	0.80 to 1.10

Hardness Requirements			
Grade	Brinell	Rockwell B	Rockwell C
2	159 to 352	84 min.	-
2H	248 to 352	-	24 to 38
4 and 7	248 to 352	-	24 to 38