ASTM A194 2H NUT

CARBON STEEL

MECHANICAL PROPERTIES

DIAMETER	MINIMUM TEMPERING TEMPERATURE F	PROOFLOAD USING THREADED MANDREL LBF BASED ON PROOF STRESS OF 175,000 PSI *	HARDNESS, MAX
½-13	850	24,830	248-327 HB OR 24- 35 HRC
5/8-11	850	39,550	248-327 HB OR 24- 35 HRC
¾-10	850	58,450	248-327 HB OR 24- 35 HRC
7/8-9	850	80,850	248-327 HB OR 24- 35 HRC
1-8	850	106,000	248-327 HB OR 24- 35 HRC
1-1/8-8	850	138,200	248-327 HB OR 24- 35 HRC
1-1/4-8	850	175,000	248-327 HB OR 24- 35 HRC
1-3/8-8	850	215,800	248-327 HB OR 24- 35 HRC
1-1/2-8	850	261,100	248-327 HB OR 24- 35 HRC

* PROOFLOADS ARE NOT DESIGN LOADS

CHEMICAL PROPERTIES

ELEMENT	MAXIMUM UNLESS MINIMUM OR RANGE ARE INDICATED
CARBON %	0.40 MIN
MANGANESE %	1.00
PHOSPHORUS %	0.040
SULFUR %	0.050
SILICON %	0.40

2H NUTS ARE INTENDED FOR USE IN PRESSURE VESSELS, VALVES, FLANGES, AND FITTINGS FOR HIGH TEMPERATURE OR HIGH PRESSURE SERVICE, OR OTHER SPECIAL PURPOSE APPLICATIONS. 2H NUTS ARE SUPPLIED IN A HEAVY PATTERN PER ASME B18.2.2 STANDARD FOR SQUARE AND HEX NUTS. 2H NUTS ARE NORMALLY USED WITH B7 BOLTS AND STUDS.

NOTE: PROPERTIES AND APPLICATION PARAMETERS ARE TYPICAL AND ARE PRESENTED IN GOOD FAITH BUT NO WARRANTY IS EXPRESSED OR IMPLIED.