

# HEAVY HEX NUTS A194 GRADE 8M (316)

## ***SUBMITTAL SPECIFICATION***

"ABSTRACT OF ASTM ASTM A194"

"CARBON AND ALLOY STEEL NUTS FOR HIGH-PRESSURE AND HIGH-TEMPERATURE SERVICE"

**GRADE:** AISI TYPE 316, ASTM A194-8M

### **CHEMICAL REQUIREMENTS (%):**

CARBON, MAX	0.08
MANGANESE, MAX	2.00
PHOSPHOROUS, MAX	0.045
SULFUR, MAX	0.030
SILICON, MAX	1.00
CHROMIUM	16.00 - 18.00
NICKEL	10.00 - 14.00
MOLYBDENUM	2.00 - 5.00

### **MECHANICAL REQUIREMENTS:**

<u>ALL DIAMETERS</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
PROOF LOAD	SEE SPEC FOR PROOF LOADS ON INDIVIDUAL SIZES	
HARDNESS (BRINELL)	126	300
HARDNESS (ROCKWELL)	B60	B105

**IDENTIFICATION SYMBOL:** 8M

### **OTHER:**

ALL NUTS, UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER SHALL BE THREADED IN ACCORDANCE WITH ANSI/ASME B1.1 UNIFIED INCH SCREW THREADS, CLASS 2B (INTERNAL) FIT. NUTS SHALL BE IN ACCORDANCE WITH THE DIMENSIONS OF ANSI/ASME B18.2.2, HEAVY HEX NUTS. UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER, THE HEAVY HEX NUT SERIES SHOULD BE USED.

**Pacific Coast Bolt**

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