

## ASTM A 194M 8MLCuNA

# STAINLESS STEEL

NUT MATERIAL FOR HIGH TEMPERATURE SERVICE

ASTM A 194M 8MLCuNA is high in both chromium and molybdenum content, which endow this stainless steel with excellent pitting corrosion and crevice corrosion resistance in high-chlorine environments. Its high nickel content also provides exceptional stress corrosion cracking resistance. Austenitic stainless steel may be solution annealed and strain hardened

### Chemical Properties

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	N
0.020 Max	0.80 Max	1.00 Max	0.030 Max	0.010 Max	19.5-20.5	6.0-6.5	17.5-18.5	0.50-1.00	0.18-0.22

### Mechanical Properties

#### Proof Load Using Threaded Mandrel- METRIC (kN)

#### Hardness

TYPE	M6	M8	M10	M12	M14	M16	BHN	HRB	HRC
HEAVY HEX	11.1	20.1	31.9	46.4	63.3	86.4			
HEX	10.4	18.8	29.9	43.4	59.2	80.9	126-192	60-90	-

TYPE	M20	M22	M24	M27	M30	M36
HEAVY HEX	134.8	166.7	194.2	252.5	308.6	449.4
HEX	126.2	156	181.8	236.4	288.9	420.8

### Heat Treatment

Carbide Solution Treated in the finished condition.

### Equivalent Designation

UNS S31254

CUSTOMER ASSISTANCE : [customer@TorqBolt.com](mailto:customer@TorqBolt.com)