

ASTM A 194M 8MLCuN

STAINLESS STEEL

NUT MATERIAL FOR HIGH TEMPERATURE SERVICE

ASTM A 194M 8MLCuN 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.

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	126-300	60-105	-

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.

Equivalent Designation

UNS S31254

Werkstoff no 1.4547

CUSTOMER ASSISTANCE : customer@TorqBolt.com