

ASTM A 194M 2HM

ALLOY STEEL

NUT MATERIAL FOR HIGH TEMPERATURE SERVICE

ASTM A194M 2HM (ASME SA 194) specification covers carbon steels, stainless steel alloys and materials suitable to be used in high pressure and / or high temperatures application nuts. The high resistance ASTM A194M 2HM nuts are commonly used in the oil a&gas market. A194M 2HM Quenched & tempered carbon steel heavy hex nuts.

Chemical Properties

C	Si	Mn	P	S
0.40 Min	0.40 Max	1.00 Max	0.040 Max	0.050 Max

Mechanical Properties

Proof Load Using Threaded Mandrel- METRIC (kN)

Hardness

TYPE	M6	M8	M10	M12	M14	M16	BHN	HRB	HRC
HEAVY HEX	20.8	37.9	60	87.3	119	162.5		Min	Min
HEX	18.7	34	53.9	78.4	107	146	159-237	-	22

TYPE	M20	M22	M24	M27	M30	M36
HEAVY HEX	253.6	313.6	365.4	475.1	580.6	845.6
HEX	227.8	281.8	328.3	426.9	521.7	759.8

Heat Treatment

Quenched & Tempered@620°C.

Equivalent Designation

UNS K04002
W.Nr. 1.1191

CUSTOMER ASSISTANCE : customer@TorqBolt.com