

A/SA 194M 8FA

STAINLESS STEEL

NUT MATERIAL FOR HIGH TEMPERATURE SERVICE

A/SA 194M covers a variety of carbon, alloy and martensitic stainless steel nuts. It also covers austenitic steel nuts. These nuts are intended for high-pressure and high-temperature service or both. Austenitic stainless steel may be solution annealed and strain hardened. A/SA 194M is expressed in both inch-pound units and in Si units.

Chemical Properties

C	Si	Mn	P	S	Cr	Ni
0.15 Max	1.00 Max	2.00 Max	0.20 Max	0.15 Min	17.0-19.0	8.0-10.0

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

As Per Client Requirement.

Equivalent Designation

UNS S30300
EN number
EN Name
W.Nr.
SS
AFNOR

TorqBolt Inc

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