

ASTM A 194M 8T

STAINLESS STEEL

NUT MATERIAL FOR HIGH TEMPERATURE SERVICE

ASTM A 194M 8T Hexagonal Nut made of stainless steel, Manufactured in accordance ASTM standard to use with Bolts or Stud Bolts. ASTM A193 B8T for rustproof and corrosive resistant. It is manufactured for used in high temperature service and it is compatible to use with ASTM A320 Gr.B8T in low temperature service. Compose of Nickel substance enables of toughness and best of polishing, it is also acid/base corrosive resistant but it non resistant for concentratelike acid like niter. ASTM A 194M 8T Best for electro -magnet when mix with Nickel. Compose of chromium substance enables of corrosive & erosion resistant. In addition compose of Titanium enables corrosive resistant when high temperature upto 400°C is required. High elongation like steel ,but provide you more strength at high temperature.

Chemical Properties

C	Si	Mn	P	S	Cr	Ni	Ti
0.08 Max	1.00 Max	2.00 Max	0.045 Max	0.030 Max	17.0-19.0	9.0-12.0	0.70 Max

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 S32100

W.Nr. 1.4541

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