



ASTM A194 Gr8M

Austenitic Stainless Steel Nuts

ASTM A194 Grade 8M is a standard material specification for high tensile nuts and other internally threaded fasteners, made from 316 Stainless Steel. Grade 8M nuts can be produced by means of hot forging, cold forging or machining from heat treated bar stock and used with ASTM A193 B8M bolts, screws and studs. ASTM A194 specification covers requirements for chemical composition, heat treatment, hardness, proof load, etc., for Grade 8M nuts



Chemical Composition (Carbon Steel) %

Element	C	Cr	Mn	Ni	P	S	Mo	Si
Min		16		10			2	
Max	0.08	18	2	14	0.045	0.03	3	1

Mechanical Properties

Size Diameter (INCH) ==>		All size
Completed Nuts	BHN	126-300
	HRC	32
	HRB	MIN 60
Description/s		HEAVY HEX NUT
Size		3/8" to 4"
Surface Treatment		PLAIN ,Corroshield PTFE
Thread spec		ASME B1.1
Dimensional Specs		ASME B18.2.2

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