

ASTM A194 Grade 2HM is a standard material specification for high tensile nuts and other internally threaded fasteners, made from carbon steel. Grade 2HM nuts can be produced by means of hot forging, cold forging or machining from heat treated bar stock. ASTM A194 specification covers requirements for chemical composition, heat treatment, hardness, proof load, etc., for Grade 2HM nuts.



Chemical Composition (Carbon Steel)

Element	C	Mn	P	S	Si
Min	0.15
Max	...	1.00	0.040	0.050	0.40

Mechanical Properties

Size Diameter (INCH) ==>	All Sizes	
Completed Nuts	BHN	159 - 235
	HRB	84 - 99
Sample Nut After Heat Treatment	BHN, min	159
	HRB, min	84

* 2HM nuts require 100% of nuts to be hardness tested as against 2H nuts



Products

Nuts | Internal Threaded Parts

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