

ASME SA194 Grade 3 is a standard material specification for high tensile nuts and other internally threaded fasteners, made from 5% Chromium Ferritic Steel. Grade 3 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 3 nuts.



Chemical Composition (5% Chromium Ferritic Steel)

Element	C	Mn	P	S	Si	Cr	Mo
Min	0.10	4.00	0.40
Max	...	1.00	0.040	0.030	1.00	6.00	0.65

Mechanical Properties (Quenched & Tempered)

Size Diameter (INCH) ==>	All Sizes	
Completed Nuts	BHN	248 - 352
	HRC	24 - 38
	HRB, min	...



Products

Nuts	Internal Threaded Parts
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