



Chemical Requirements

Carbon Alloy & Stainless Steel ASTM A194 / ASME SA194 Heavy Hex Nuts

Composition in percent

Grade	Carbon	Manganese max	Phosphorus max	Sulfur max	Silicon	Chromium	Nickel	Molybdenum
2H	0.40 min	1.00	0.040	0.050	0.40 max	---	---	---
2HM	0.40 min	1.00	0.040	0.050	0.40 max	---	---	---
4 or 4L	0.40-0.50	0.70-0.90	0.035	0.040	0.15-0.35	---	---	0.20-0.30
7 or 7L	0.37-0.49	0.65-1.10	0.040	0.040	0.15-0.35	0.75-1.20	---	0.15-0.25
8	0.08 max	2.00	0.045	0.030	1.00 max	18.0-20.0	8.0-11.0	---
8M	0.08 max	2.00	0.045	0.030	1.00 max	16.0-18.0	10.0-14.0	2.00-3.00

DISCLAIMER: Please note that this information is produced for general information purposes only. Please consult the appropriate material specification to ensure the specific information you require is accurate.