














# HEX NUT GRADE MARKINGS

Grade Identification Marking	Specification	Material	Nominal Size in.	Proof Load Stress ksi	Hardness Rockwell	
					Min	Max
	ASTM A563—Grade 0	Carbon Steel	1/4 thru 1 1/2	69	B55	C32
	ASTM A563—Grade A	Carbon Steel	1/4 thru 1 1/2	90	B68	C32
	ASTM A563—Grade B	Carbon Steel	1/4 thru 1	120	B69	C32
			over 1 thru 1 1/2	105		
	ASTM A563—Grade C	Carbon Steel May be Quenched and Tempered	1/4 thru 4	144	B78	C38
	ASTM A563—Grade C3	Atmospheric Corrosion Resistant Steel May be Quenched and Tempered	1/4 thru 4	144	B78	C38
	ASTM A563—Grade D	Carbon Steel, May be Quenched and Tempered	1/4 thru 4	150	B84	C38
	ASTM A563—Grade DH	Carbon Steel Quenched and Tempered	1/4 thru 4	175	C24	C38
	ASTM A563—Grade DH3	Atmospheric Corrosion Resistant Steel, Quenched and Tempered	1/4 thru 4	175	C24	C38
	ASTM A194—Grade 1	Carbon Steel	1/4 thru 4 130	B70	—	7

Grade Identification Marking	Specification	Material	Nominal Size in.	Proof Load Stress ksi	Hardness Rockwell	
					Min	Max
	ASTM A194—Grade 2	Medium Carbon Steel	1/4 thru 4	150	159	352
	ASTM A194—Grade 2H	Medium Carbon Steel, Quenched and Tempered	1/4 thru 4	175	C24	C38
	ASTM A194—Grade 2HM	Medium Carbon Steel, Quenched and Tempered	1/4 thru 4	150	159	237
	ASTM A194—Grade 4	Medium Carbon Alloy Steel, Quenched and Tempered	1/4 thru 4	175	C24	C38
	ASTM A194—Grade 7	Medium Carbon Alloy steel, Quenched and Tempered	1/4 thru 4	175	C24	C38
	ASTM A194—Grade 7M	Medium Carbon Alloy Steel, Quenched and Tempered	1/4 thru 4	150	159	237