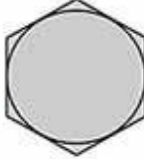


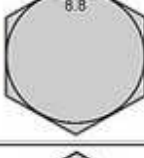
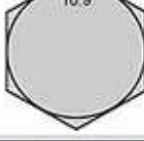


## GRADE / CLASS AND FASTENER STRENGTH CHART

Grade	Radial Bolt Markings	Material	Nominal Size Diameter/Inches	Proof Load psi	Tensile Strength minimum psi	Yield Strength minimum psi
<b>Grade 2</b>  <b>No Radial Lines</b>		Low or Medium Carbon Steel	1/4" to 3/4"	55,000	74,000	57,000
			Over 3/4" thru 1 1/2"	33,000	60,000	36,000
<b>Grade 5</b>  <b>3 Radial Lines</b>		Medium Carbon Steel	1/4" to 1"	85,000	120,000	92,000
			Over 1" thru 1 1/2"	74,000	105,000	81,000
<b>Grade 8</b>  <b>6 Radial Lines</b>		Medium Carbon Alloy Steel	1/4" thru 1 1/2"	120,000	150,000	130,000
<b>Metric 8.8</b>		Medium Carbon Steel	All sizes under 16mm	580	800	640
			16mm thru 72mm	600	830	660
<b>Metric 10.9</b>		Alloy Steel	5mm thru 100mm	830	1040	940