



Fastener Grading Chart- SAE versus ISO class

<u>SAE</u>		<u>ISO</u>		
<u>SAE Grade</u>	<u>UTS (psi)</u>	<u>ISO Class</u>	<u>UTS (Mpa)</u>	<u>UTS (psi)</u>
Grade 1	60,000	Class 4.6	400	58,000
		Class 4.8	420	60,900
Grade 2	74,000	Class 5.8	520	75,400
Grade 4	115,000	Class 6.8	800	116,000
Grade 5	120,000	Class 8.8	830	120,350
Grade 7	133,000	Class 9.8	900	130,500
Grade 8	150,000	Class 10.9	1040	150,800
ASTM A574/ 574M	180,000	Class 12.9	1220	176,900

Legend:

UTS	Ultimate Tensile strength
Mpa	Mega Pascals
psi	Pounds/square inch
ASTM	American Society for the Testing of Materials