Tensile **strengths**

Approximate tensile strength comparison of steel grades and classes.

INCH Fasteners			METRIC Fasteners	
Pound per Inch²	(psi)		(MPa)	Megapascals
	58015	=	400	**Class 4.6**
SAE Grade 2 (over 3/4")	60000	=	414	
	60916	=	420	**Class 4.8**
BSW Mild Steel (AS / NZS 2451)	62000	=	427	
SAE Grade 2 (up to 3/4")	74000	=	510	
	75420	=	520	**Class 5.8**
	89923	=	620	**Stainless Duplex 2205**
	101526	=	700	**Stainless Steel Class 70**
SAE Grade 5 (over 1")	105000	=	724	
	116030	=	800	**Stainless Steel Class 80**
	116030	=	800	**Class 8.8** (up to and including 16mm)
SAE Grade 5 (up to 1")	120000	=	827	
	120381	=	830	**Class 8.8** (over 16mm)
SAE Grade 8	150000	=	1034	
	150839	=	1040	**Class 10.9**
ASTM A574 Inch Socket Head Cap Screws	176946	=	1220	**Class 12.9**
Grade 9 (L9® & Plow Bolts)	180000	=	1240	