

FASTENERS TENSILE STRENGTH COMPARISON CHART

INCH FASTENERS (psi)			METRIC FASTENERS (Mpa)		
	58015	=	400	Class 4.6	
	Grade 2 (over 3/4")	60000	=	414	
	60916	=	420	Class 4.8	
	Grade 2 (up to 3/4")	74000	=	510	
	72519	=	500	Class 5.6	
	75420	=	520	Class 5.8	
	87023	=	600	Class 6.8	
	Grade 5 (over 1")	120000	=	724	
	Grade 5 (up to 1")	105000	=	827	
	120381	=	830	Class 8.8	 
	130534	=	900	Class 9.8	
	Grade 7	133000	=	916	
	Grade 8	150000	=	1034	
	150839	=	1040	Class 10.9	 
	ASTM A574 ≤1/2" – 180,000 psi >1/2" – 170,000 psi	180000	=	1220	 

Note: Typically socket head cap screws produced in the US are made from high strength alloy steel as indicated above (ASTM A574). Metric socket head cap screws are available in metric classes 10.9 & 8.8 are also available in addition to property class 12.9



NSS Fasteners
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