

HEAD MARKINGS

Head markings

Common Hex Steel (Imperial)

Identification Mark					
Product Specifications	Grade 2	Grade 5	Grade 8	Socket Head Cap Screw	
Tensile Strength Minimum	$\leq 3/4$ 74000 $> 3/4$ 60000	$\leq 1"$ 120000 $> 1"$ 105000	150000	$\leq 1/2$ 180000 $> 1/2$ 170000	

Common Hex Steel (Metric)

Identification Mark						
Product Specifications	Class 4.6	Class 5.8	Class 8.8	Class 10.9	Class 12.9 Socket Head Cap Screw	
Tensile Strength Minimum	400 MPa (58000 psi)	520 MPa (75000 psi)	$\leq M16$ 800 MPa (116030 psi)	1040 MPa (150000 psi)	1220 MPa (176000 psi)	

Common Hex Steel

Identification Mark						
Product Specifications	Class 5	Class 8	Class 10	Grade 2	Grade 5	Grade 8
Proof Load	$> M10$ 610 MPa $> M16$ 630 MPa	$\leq M16$ 880 MPa $> M16$ 920 MPa	$\leq M16$ 1050 MPa $> M16$ 1060 MPa	90000 psi	120000 psi	150000 psi
	METRIC			INCH		

Common Stainless Steel

Identification Mark				Tensile Strength: Is an expression of the maximum load (load in tension) that a fastener can support prior to, or coincident with its fracture. Tensile Strength is expressed in pounds per square inch (lbf/in ²) or psi in the inch system. In the metric system it is expressed in Newtons per square millimetre (N/mm ²) or Megapascals (MPa).
Product Specifications	304 Stainless Steel	316 Stainless Steel	316 Stainless Steel	
Tensile Strength Minimum	700 MPa (100000 psi)	700 MPa (100000 psi)	800 MPa (116000 psi)	