



BOLTWORLD

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Reg No: 1984/005432/07

a member of the **Hudaco** group

WORKSHOP BOLTS IDENTIFICATION & MECHANICAL PROPERTIES

Imperial Steel Bolts				Stainless Steel	
Identification Mark					
				No mark denotes Imperial Thread	
Product Specifications	Grade 5	Grade 8	Soc. Hd. Cap Scrs.	Stainless Steel	Stainless Steel
Nominal Size Range	$\frac{1}{4} - 1$ ($>1 - 1\frac{1}{2}$)	$\frac{1}{4} - 1\frac{1}{2}$	$<\frac{1}{2}$ ($>\frac{1}{2} - 2$)	$\frac{1}{4} - 1\frac{1}{2}$	$\frac{1}{4} - 1\frac{1}{2}$
Material	Medium Carb. Steel Heat Treated	Medium Carb. Steel Heat Treated	Alloy Steel Heat Treated	Stainless Steel 304	Stainless Steel 316
Tensile Strength Minimum [psi]	120000 (105000)	150000	180000 (170000)	85000	85000
Yield Strength Minimum [psi]	91000 (81000)	130000	162000 (153000)	45000	45000
Proof Load [psi]	85000 (74000)	120000	140000 (135000)	-	-
Hardness Min Max	HRC-19 HRC-34	HRC-33 HRC-39	HRC-38 HRC-45	HRB-80	HRB-80
Compatible Nut	Grade 5	Grade 8	-	304	316