

AANURAJ FASTENERS PVT.LTD.

ASTM A193 Gr.B8A (Metric) Stud/Bolt/Screw

Chemical Requirements		
	Range	Product Variation, Over or Under
Carbon, max	0.08	0.01 over
Manganese, max	2.00	0.04 over
Phosphorus, max	0.045	0.010 over
Sulphur, max	0.030	0.005 over
Silicon, max	1.00	0.05 over
Chromium	18.0-20.0	0.20
Nickel	8.0-11.0	0.15

Mechanical Requirements-Metric				
Heat Treatment-Carbide Solution treated in Finished Condition				
Grade, Diameter. in	Tensile Strength, Min, MPa	Yield Strength, Min, 0.2% offset, MPa	Elongation In 4D, Min, %	Reduction of Area, Min, %
Class 1A all diameters	515	205	30	50

Hardness –Max
90 HRB