

ASME SA193 Grade B6 is a grade specification for 12% Chromium Martensitic Stainless Steel with high strength properties, used for manufacturing of bolts, studs, stud bolts and other fasteners for bolting pressure vessels, valves, flanges and fittings, specially for power generation industry.



Chemical Composition (12% Chromium Martensitic Stainless Steel)

Element	C	Mn	P	S	Si	Cr
Min	11.50
Max	0.15	1.00	0.040	0.030	1.00	13.50

Mechanical Properties

Size (Diameter, Inches) ==>	Upto 4 Inch
Ultimate Tensile Strength, ksi (Mpa)	110 (760)
0.2% Yield strength, ksi (Mpa)	85 (585)
% Elongation (min)	15
% Reduction of Area (min)	50
Hardness HBW (max)	...
Minimum Tempering Temperature, °C (°F)	1100 (593)



Products

Bolts	Studs	Screws	Bars
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