

ASTM A 193 Gr.B8M

STAINLESS STEEL

CLASS 1

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Gr.B8M Class 1 stud bolts, which is made from austenitic steels is made from an alloy of 18% chromium, 10%nickel, and 2% molybdenum. This alloy is also similarly known as AISI type 316 stainless steel fasteners. ASTM A193 Gr.B8M Class 1 Bolts are manufactured from AISI 316 Stainless Steel carbide solution treated. We manufacture these Bolts with great precision & Quality. ASTM A 193 Gr.B8M Class 1 Bolts are also noted as B8M Bolts

Chemical Properties

C	Si	Mn	P	S	Cr	Ni
0.08 Max	1.00 Max	2.00 Max	0.045 Max	0.030 Max	18.0-20.0	8.0-11.0

Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction	Hardness
Min 0.2% Mpa	Min Mpa	Min %	Min %	HRB Max
205	515	30	50	96

Heat Treatment

Carbide Solution Treated.

Equivalent Designation

UNS S31600
 EN number 58H,58J
 EN Name X5CrNiMo17-12-2
 Werkstoff.No. 1.4401
 JIS SUS316
 BS 316S31

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