

ASTM A 193 Gr.B8M2

STAINLESS STEEL

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Gr.B8M2 Bolts are manufactured from AISI 316 Stainless Steel carbide solution treated with Strain Hardening. We manufacture these Bolts with great precision & Quality. ASTM A 193 Gr.B8M2 Bolts are also noted as B8M. ASTM A193 Gr.B8M2 is similar to B8 fasteners except with added Molybdenum. It has better corrosion resistance than B8. Hex Bolts, studs and other fasteners are common to the B8M spec. It is made from austenitic steels is made from an alloy.

Chemical Properties

C	Si	Mn	P	S	Cr	Mo	Ni
0.08 Max	1.00 Max	2.00 Max	0.045 Max	0.030 Max	16.0-18.0	2.00-3.00	10.0-14.0

Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction	Hardness
Min 0.2% Mpa	Min Mpa	Min %	Min %	HRB Max
515	655	25	40	321

Heat Treatment

Carbide Solution Treated and Strain Hardened.

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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