

# ASTM A 193 Gr.B8M3

# STAINLESS STEEL

## CLASS 2C

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A 193 Gr.B8M3 Class 2C 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.B8M3 Class 2C Bolts are also noted as B8M. ASTM A193 Gr.B8M3 Class 2C 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	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
450	585	30	60	35

### Heat Treatment

Carbide Solution Treated & 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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