

## ASTM A 193 Gr.B8M

# STAINLESS STEEL

### CLASS 2

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Gr.B8M Class 2 Bolts are manufactured from AISI 316 Stainless Steel carbide solution treated with Strain Hardening. We manufacture these Bolts with great precision & Quality. These ASTM A 193 Gr.B8M Class 2 Bolts are also noted as B8M. Same as B8M except strain hardened, 90,000-125,000PSI Tensile Strength. ASTM A193 Gr.B8M Class 2 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 %	HRC Max
665	760	15	45	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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