

# ASTM A 193 Gr.B8MN

# STAINLESS STEEL

## CLASS 2

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Gr.B8MN Class 2 is the standard molybdenum-bearing grade, second in importance to ASTM A193 Gr.B8MN Class 2 is amongst the austenitic stainless steels Carbide solution treated in the finished condition. The molybdenum gives 316N better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments. It has excellent forming and welding characteristics

### 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
665	760	15	45	35

### Heat Treatment

Carbide Solution Treated & Strain Hardened .

### Equivalent Designation

UNS S31651  
En number X2CrNiMoN17-11-2  
Werkstoff no 1.4406  
SS 316N

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