

ASTM A 193 Gr.B8NA

STAINLESS STEEL

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Gr.B8NA are manufactured from AISI 304 Stainless Steel carbide solution treated with Strain Hardening. Stainless steel grade ASTM A 193 Gr.B8NA is the most commonly used stainless steel. Stainless steel grade ASTM A 193 Gr.B8NA has better corrosion resistance than grade 302, and is mostly non-magnetic in nature; however when cold worked it acquires a slightly magnetic quality.

Chemical Properties

C	Si	Mn	P	S	Cr	Ni	N
0.08 Max	1.00 Max	2.00 Max	0.045 Max	0.030 Max	18.0-20.0	8.0-11.0	0.10-0.16

Mechanical Properties

Yield strength	Tensile strength	Elongation	Reduction	Hardness
Min 0.2% Mpa	Min Mpa	Min %	Min %	HRB Max
205	515	30	50	192

Heat Treatment

Carbide Solution Treated in the finished condition.

Equivalent Designation

UNS S30451
Din X5 CrNiN 19 9 KT
Werkstoff.No. 1.4315
Jis 304

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