

## ASTM A 193 Gr.B8LN

# STAINLESS STEEL

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Gr.B8LN are manufactured from AISI 304 Stainless Steel carbide solution treated with Strain Hardening. ASTM A 193 Gr.B8LN Bolts are also called B8 Stainless Steel bolts, B8 Bolts Etc. 8-8 Grade stainless, non magnetic, good corrosion resistance. Same material as AISI type 304 stainless steel. Stainless steel grade 304 is the most commonly used stainless steel. Stainless steel grade 304LN is a nitrogen-strengthened version of stainless steel grade 304.

### Chemical Properties

C	Si	Mn	P	S	Cr	Ni	N
0.030 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	223

### Heat Treatment

Carbide Solution Treated

### Equivalent Designation

UNS S30453  
EN DIN X2CrNi18-10  
Werkstoff.No. 1.4311  
SS304LN

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