

ASTM A 193 Gr.B8LN

STAINLESS STEEL

CLASS 1

BOLTING MATERIAL FOR LOW TEMPERATURE SERVICE

ASTM A193 Grade B8LN Class 1 are manufactured from AISI 304 Stainless Steel carbide solution treated with Strain Hardening. ASTM A 193 Gr.B8LN Class 1 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
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
205	515	30	50	96

Heat Treatment

Carbide Solution Treated

Equivalent Designation

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

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