

316LN

Austenitic Grade

DESCRIPTION:

316LN is a low carbon, nitrogen enhanced version of 316 grade. 316LN has increased corrosion and pitting resistance compared to 304/304L. The nitrogen in this grade of stainless adds resistance to sensitization, provides solid solution hardening, and raises the minimum yield strength compared to type 316/L.

APPLICATIONS:

- Medical Devices / Surgical Instruments
- Pharmaceutical Industry
- Chemical Industry
- Textiles
- Pulp and Paper

CHEMICAL COMPOSITION:

Carbon	0.03 max
Chromium	16.0 – 18.0
Nickel	10.0 – 14.0
Manganese	2.0 max
Silicon	0.75 max
Nitrogen	0.10 – 0.16
Phosphorus	0.045 max

MECHANICAL PROPERTIES:

Yield Strength	30 KSI min
Tensile Strength	75 KSI min
Elongatin	40%
Hardness	95 Rockwell B

STAINLESS STRUCTURALS CAN PRODUCE THIS ALLOY IN BEAMS, CHANNELS, ANGLES, TEES AND CUSTOM SHAPES.

Disclaimer:

The information on the stainless alloy data sheets are accurate to the best of our knowledge, but are intended for general information only. Applications suggested for the different alloys are listed only to help our customers make their own decisions. These are neither guarantees nor warranties on material uses. Data referring to chemical composition and mechanical properties are industry norms at the typical state of the alloys tested. These properties can change in different environments, temperatures, applications and so forth. Stainless Structural assumes no responsibility or liability for the information given.

