

317/L

Austenitic Grade

DESCRIPTION:

317/L is an austenitic stainless with increased nickel, chromium, and molybdenum to provide better corrosion resistance and a higher resistance to chemical effects from acids.

The lower carbon content in 317/L allows for resistance to intergranular corrosion and a higher tensile strength at higher temperatures. 317/L is weldable but it is more difficult to machine than 304 and 316.

APPLICATIONS:

- Chemical Plants
- Textiles
- Petrochemical processing
- Food Processing
- Pulp and Paper

CHEMICAL COMPOSITION:

Carbon	0.03 max
Chromium	18.0 – 20.0
Nickel	11.0 – 15.0
Manganese	2.0 max
Silicon	0.75 max
Nitrogen	0.10 max
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.

