

304/L

Austenitic Grade

DESCRIPTION:

304/L is the low carbon variation of 304 (max carbon of .03) stainless steel. It is one of the most common and versatile grades of stainless steel.

This austenitic grade exhibits excellent corrosion resistance, formability, and weldability. Some refer to 304/L as 18/8 stainless for its minimum of 18% chromium and 8% nickel. 304/L meets the corrosion properties of 304 and has slightly lower mechanical properties.

APPLICATIONS:

- Food Processing
- Architectural
- Kitchen and Appliance
- Construction
- Chemical Processing

CHEMICAL COMPOSITION:

Carbon	0.03 max
Chromium	18.0 – 20.0
Nickel	8.0 – 11.0
Manganese	2.0 max
Silicon	0.75 max
Nitrogen	0.10 max
Phosphorus	0.045 max

*MECHANICAL PROPERTIES:

Yield Strength	25 KSI min
Tensile Strength	70 KSI min
Elongation	40%
Hardness	92 Rockwell B

* Laser Fused Profiles (ASTM A1069) are produced to meet a 35 KSI Min Yield or higher, depending on strength grade specified.

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.

