STOCKING GRADE

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.

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*

APPLICATIONS:

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

* MECHANICAL PROPERTIES:

Yield Strength	*25 KSI min*
Tensile Strength	*70 KSI min*
Elongatin	*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.

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