

# 316Ti

Austenitic Grade

## DESCRIPTION:

316Ti is a titanium-stabilized version of type 316. It has the same corrosion and pitting resistance as 316. The addition of titanium creates a resistance to sensitization and protects against chromium carbide precipitation. This alloy can be used for extended times at higher temperatures without compromising its corrosion resistance.

## APPLICATIONS:

- Marine
- Pulp and Paper
- Heat Exchangers
- Processing and Packaging

## CHEMICAL COMPOSITION:

Carbon	0.08 max
Chromium	16.0 – 18.0
Nickel	10.0 – 14.0
Titanium	5*C+N min - .70 max
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
Elongation	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.

