

# 330

## Heat Resistant Grade

### DESCRIPTION:

330 is an austenitic stainless that was developed to provide excellent resistance to oxidizing and carburizing at high temperature applications. It also has a very high nickel content. The oxidation resistance is also enhanced by the silicon content.

### APPLICATIONS:

- Chemical Processing
- Power Generation
- Thermal Processing
- Mufflers, Radiant Tubes

### CHEMICAL COMPOSITION:

Carbon	0.08 max
Chromium	18.0 – 20.0
Nickel	34.0 – 37.0
Manganese	2.0 max
Silicon	0.75 – 1.50
Phosphorus	0.03 max

### MECHANICAL PROPERTIES:

Yield Strength	30 KSI min
Tensile Strength	80 KSI min
Elongation	40%
Hardness	70 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.

