

# Alloy 600

(UNS N06600)

## Availability:

Seamless Pipe: 1/2" - 8"  
Butt-Weld Fittings: 1/2" - 8"  
Flanges: 1/2" - 8"  
Bar: 1" - 8"

## Specifications:

ASTM B167, B366, B166, B564  
ASME SB167, SB366, SB564  
SB166

## Description:

Alloy 600 is a nickel-chromium-iron alloy used for applications which require resistance to corrosion and heat. The alloy also has excellent mechanical properties and presents the desirable combination of high strength and good workability under a wide range of temperatures.

## Typical Applications:

- Steam generators
- Chemical processing
- Food processing
- Superheaters
- Jet engines
- Electronic parts

## Tensile Requirements:

Tensile Strength                      Yield Strength  
(KSI) = 80 - 100                      (KSI) = 30 - 50

KSI can be converted to MPA (Megapascals) by multiplying by 6.895.

## Chemical Composition %

C	Cr	Cu	Fe	Mn	N	S	Si
MAX		MAX		MAX	MIN	MAX	MAX
0.15	14.0 - 17.0	0.50	6.00 - 10.00	1.00	72.0	0.015	0.50