

## Products & Sizes

### Plate

0.1875" - 4.000"

### 303 Chemical Composition

	Element	Min	Max
Cr	Chromium	17.0	19.0
Ni	Nickel	8.0	10.0
C	Carbon	0.15	-
Mn	Manganese	2.00	-
P	Phosphorus	-	0.20
S	Sulfur	0.15	0.35
Si	Silicon	-	1.00
Mo	Molybdenum	-	0.60
Fe	Iron	-	Balance

### Industry Standards

### Industry Applications

- Aircraft applications including fittings, shafts and spindles
- Automatic screw machine applications
- Medical devices with screw threads, drilled or tapped holes
- Pump and valve parts
- Architectural applications
- Nuts and bolts

### Related Industries

Medical

Semiconductor

## Physical Properties

Property	Value
Density lb/in <sup>3</sup>	0.289
Density g/cm <sup>3</sup>	7.89
Melting Point	2552°F
Thermal Conductivity at 212°F (100°C)	112 BTU/hr/ft <sup>2</sup> /ft/°F
Thermal Conductivity at 212°F (100°C)	16.2 W/m-°K
Electrical Resistivity	28.3 Microhm-in at 68°C
Electrical Resistivity	72.0 Microhm-cm at 20°C

## Mechanical Properties

Property	Value
Hardness	Max 202 (HBN)