



High-strength nickel base superalloy Nickel-chromium alloy 718 strip tape sheet foil plate

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001 ROHS
- Model Number: Inconel 718
- Minimum Order Quantity: 30 Kg
- Price: Negotiable
- Packaging Details: Spool Carton box, Coil package with polybag, then in woodencase
- Delivery Time: 20~40 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Name: High-strength Nickel Base Superalloy Nickel-chromium Alloy 718 Strip Tape Sheet Foil Plate
- Material: Nickel Chromium Iron
- Ni (Min): 50~55%
- Density: 8.24 G/cm³
- Melting Point: 1260-1320°C
- Elongation (≥ %): 25 %
- Thermal Conductivity: 15.9 W/m·K
- Finishing: Bright, Oxided, Acid White
- Application: Construction, Industry Oil, Piping Systems
- Yield Strength: 550MPa
- Tensile Strength: 910 MPa
- Hardness: ≤ 363 HB
- Standard: ASTM, ASME
- Size: 0.025mm



More Images



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Product Description

Inconel 718 Alloy

Inconel 718 is a precipitation hardened nickel-based alloy designed to display exceptionally high yield, tensile and creep-rupture properties at temperatures up to 1300°F (704°C). The age-hardening response of Inconel 718 permits annealing and welding without spontaneous hardening during heating and cooling. Nickel Alloy 718 has excellent weldability when compared to the nickel-base super alloys hardened by aluminum and titanium.

Advantages of Inconel 718 Strips

High yield strength
Excellent high temperature tensile & creep rupture properties
Excellent weldability
Does not spontaneously harden
Outstanding corrosion resistance

Applications of Inconel 718 Strips

Jet engine components
Gas turbines
Aerospace
Plastic injection molded tools
High speed airframe parts
High temperature bolts & fasteners

Parameter:

Chemical Properties of Inconel 718

Nickel (plus Cobalt)	50.00-55.00
Chromium.....	17.00-21.00
Iron	Balance
Niobium (plus Tantalum).....	4.75-5.50
Molybdenum	2.80-3.30
Titanium.....	0.65-1.15
Aluminum	0.20-0.80
Cobalt	1.00 max.
Carbon.....	0.08 max.
Manganese	0.35 max.
Silicon	0.35 max.
Phosphorus.....	0.015 max.
Sulfur.....	0.015 max.
Boron	0.006 max.
Copper.....	0.30 max

Density	8.19g/cm ³	0.296 lb/in ³
Melting point	1260-1336	2437°F

SPECIFICATIONS	
Form	ASTM
Rod,bar and wire	B 166
Plate,sheet and strip	B 168, B 906
Seamless pipe and tube	B 167, B 829
Welded pipe	B 517, B775
Fitting	B 366
Billet and bar for forging	B 472
Forging	B 564

Inconel series

Steel grade	Inconel 600	Inconel 601	Inconel 625	Inconel 718	Inconel 725	Inconel X-750
Corresponding brand	N06600/2.4816/1Cr15Ni75Fe8/NS312/CY40	N06601/2.4851/1Cr23Ni60Fe13Al/NS313	N06625/2.4856/0Cr20Ni65Mo10bN4/N S336	N07718/2.4668/GH4169	N07725	N07750/2.4669/GH4145
Chemical composition%						
C≤	0.150	0.100	0.100	0.080	0.030	0.080

Mn≤	1.00	1.00	0.50	0.35	0.35	1.00
P≤	/	/	0.015	0.015	0.015	/
S≤	0.015	0.015	0.015	0.015	0.010	0.010
Si≤	0.50	0.50	0.50	0.35	0.20	0.50
Cr≤	14.0-17.0	21.0-25.0	20.0-23.0	17.0-21.0	19.0-22.5	14.0-17.0
Ni≤	≥72.0	58.0-63.0	≥58.0	55.0-59.0	55.0-59.0	≥70
Mo	/	/	8.0-10.0	2.8-3.3	7.0-9.5	/
Cu	≤0.50	≤1.50	/	≤0.30	/	≤0.50
N	/	/	/		/	/
Nb	/	/	3.15-4.15	4.75-5.50	2.75-4.00	0.70-1.20
other	Fe:6.0-10.0	Al:1.0-1.7	Co:≤1.0Al:≤0.40Tr:0.40Fe:≤5.0	Al:0.20-0.80Ti:0.65-1.15B≤0.006	Tr:1.0-1.7Al≤0.35	Co:≤1.0Al:0.4-1.0Tr:0.25-2.75Fe:5.0-9.0

Customize size as below

Shape	Size(mm)
Wire	0.5-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-180)
Tube	custom made
Plate	custom made

contact us
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Oem service:
Welcome customized size
We are experience factory for OEM&ODM service







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