



## ASTM B163 Heating Resistance Alloy Incoloy 800/825/925/800H/800HT Seamless Tube

Our Product Introduction

for more products please visit us on [victory-alloy.com](http://victory-alloy.com)

### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Incoloy 800, 800H, 800HT, 825, 925
- Minimum Order Quantity: 5 Kg
- Price: 30 - 499 kilograms \$48.90
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton, coil wire or strip wire put into wooden case
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



### Product Specification

- Product Name: Incoloy Tube
- Material: Ni Fe Cr
- Nickel (Min): 72%
- Resistance ( $\mu\Omega\cdot m$ ): 1.15
- Powder Or Not: Not Powder
- Ultimate Strength ( $\geq$  MPa): 500
- Elongation ( $\geq$  %): 35%
- Density (g/cm<sup>3</sup>): 8.4 G/cm<sup>3</sup>
- Surface: Bright
- Size: Customized
- Processing Service: Decoiling, Cutting, Bending
- Application: Aerospace Industry, Chemical Processing
- Highlight: **ASTM B163 Incoloy Alloy, 825 Incoloy Alloy, 800HT Seamless Tube**



### More Images



Our Product Introduction

### Product Description



## INCOLOY TUBE

Incoloy 800,800H,800HT,825,925

Customized service available

Incoloy alloy is characterised by high temperature resistance combined with excellent corrosion resistance. It has excellent corrosion resistance, high strength, easy to fabricate. It can be found in a wide range of product forms across many industries.

Incoloy 800HT has excellent resistance in chemicals containing sulfuric acid, and has good resistance to environments containing chlorides, phosphoric acid and nitric acid. It contains niobium for stabilization against sensitization and resultant intergranular corrosion. It also has good mechanical properties and fabricability.

### Size dimension range:

Wire: 0.01-10mm

Strip: 0.05\*5.0-5.0\*250mm

Bar:  $\phi$ 4-50mm; Length 2000-5000mm

Pipe:  $\phi$ 6-273mm;  $\delta$ 1-30mm; Length 1000-8000mm

Sheet:  $\delta$  0.8-36mm; Width 650-2000mm; Length 800-4500mm

### Incoloy series:800,800H,800HT,825

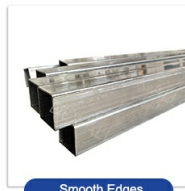
Item	800	800H	800HT	825	925
C	$\leq 0.1$	0.05-0.1	0.06-0.1	$\leq 0.05$	$\leq 0.05$
Mn	$\leq 1.5$	$\leq 1.5$	$\leq 1.5$	$\leq 1$	$\leq 1$
Fe	rest	rest	rest	rest	rest
P	--	--	--	$\leq 0.02$	$\leq 0.02$
S	$\leq 0.015$	$\leq 0.015$	$\leq 0.015$	$\leq 0.03$	$\leq 0.03$
Si	$\leq 1$	$\leq 1$	$\leq 1$	$\leq 0.5$	$\leq 0.5$
Cu	$\leq 0.75$	$\leq 0.75$	$\leq 0.75$	1.5-3	1.5-3
Ni	30-35	30-35	30-35	38-46	42-50
Al	0.15-0.6	0.15-0.6	0.15-0.6	0.2-1	0.15-0.6
Ti	0.15-0.6	0.15-0.6	0.15-0.6	0.6-1.2	1.9-2.5
Cr	19-23	19-23	19-23	19.5-23.5	19.5-23.5
Mo	--	--	--	2.5-3.5	2.5-3.5

## Product Details

High-quality materials and surface treatment technology



Metallic Luster



Smooth Edges



## Product Comparison

The quality of our products has been strictly tested and guaranteed



OTHERS



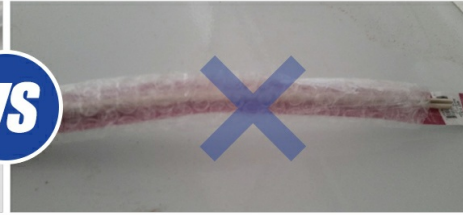
Smooth And Shiny Surface



Product Surface Rust



Product Quality Strict Inspection



Product Deformation

## Application Field

Incoloy tubes are widely used in many fields



Nuclear Industry



Energy Industry



Food Processing Field



Device Field



Petrochemical Industry



Chemical Industry



Aerospace Industry



Marine Engineering

**Incoloy alloy tubes are a type of high-performance nickel-chromium-based alloy, which possesses excellent corrosion resistance, high-temperature strength, and good mechanical properties. They are widely used in various fields, including:**

1. Petrochemical industry: Incoloy alloy tubes are commonly used in the petrochemical industry for heat exchangers, reboilers, and distillation columns. They can withstand high-temperature and high-pressure environments, as well as corrosive media such as sulfuric acid and hydrofluoric acid.
2. Power generation industry: Incoloy alloy tubes are used in the power generation industry to manufacture boilers, superheaters, reheaters, and steam pipes. They can withstand high-temperature and high-pressure steam environments and resist oxidation and corrosion.
3. Aerospace industry: Incoloy alloy tubes are used in the aerospace industry for various applications, including aircraft engines, rocket engines, and other high-temperature and high-stress environments.
4. Nuclear energy industry: Incoloy alloy tubes are used in nuclear power plants to manufacture fuel elements, control rods, and other components that require high-temperature strength and corrosion resistance.
5. Food processing industry: Incoloy alloy tubes are suitable for use in the food processing industry as they are non-toxic and resistant to corrosion from various food acids and alkalis.

In summary, incoloy alloy tubes are a versatile material with a wide range of applications in various industries that require high-temperature strength, corrosion resistance, and good mechanical properties.



## Product Process

The production process and technology used in the product



1 Nickel Plate Baking



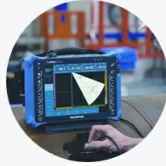
2 Vacuum Refining



3 Electroslag Remelting



4 Forging



5 Ultrasonic Flaw Detection



6 Processing Round Bar



7 Dye Penetrant Inspection



8 Perforation



9 Cutting & Grinding



10 Cold Rolling Annealing



11 Surface Treatment



12 Finish Rolling



13 Annealing



14 Forming



15 Detection



16 Packaging

## Product Comparison

The quality of our products has been strictly tested and guaranteed



Composition Detection



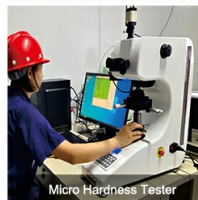
Composition Detection



Measuring Instrument



Micro Hardness Tester



Micro Hardness Tester



Tensile Test Equipment

## OEM Services

We can provide customized services for customers

### Product Customization

#### Size: custom made

We can customize incoloy tubes of any size and thickness.



### Label Customization



We can provide label customization service for customers' products.

## Recommended Products

Click to learn more about related products



Nickel Strip



Nickel Wire



Nickel Bar



Monel Tube



Inconel Bar



Hastelloy Alloy Tube

20+

Industry Experience

50+

Certifications

1000+

Metal Products

2000+

Cooperative Business

## Company Profile

We are a leading alloy metal manufacturer founded in 2002, providing high-quality and high-performance alloy products and services to our customers. Our company is dedicated to becoming the industry leader in the alloy field, and we have received multiple industry certifications and awards, including the ISO9001 International Quality Management System Certificate and the SGS Certificate.

Over the past 18 years, we have focused on the resistance alloy business and continuously innovated and explored, ultimately developing new nickel-based alloy products such as chromium-nickel-iron alloy, Monel alloy, Hastelloy alloy, high-temperature alloy, and more.



## Our Advantages

Our advantages can provide customers with better service



HIGH QUALITY



SUPER  
ELASTICITY



HIGH STRENGTH



BRAND EFFECT



PROFESSIONAL  
FACTORY



TECHNICAL  
SUPPORT



R&D INNOVATION  
SERVICES



AFTER-SALES  
SERVICE



ISO  
CERTIFICATION



EFFICIENT  
LOGISTICS SERVICE

## Our Certifications

Our products have obtained national standard certification



## Our Partners

We have established long-term cooperative relationships  
with many partners



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