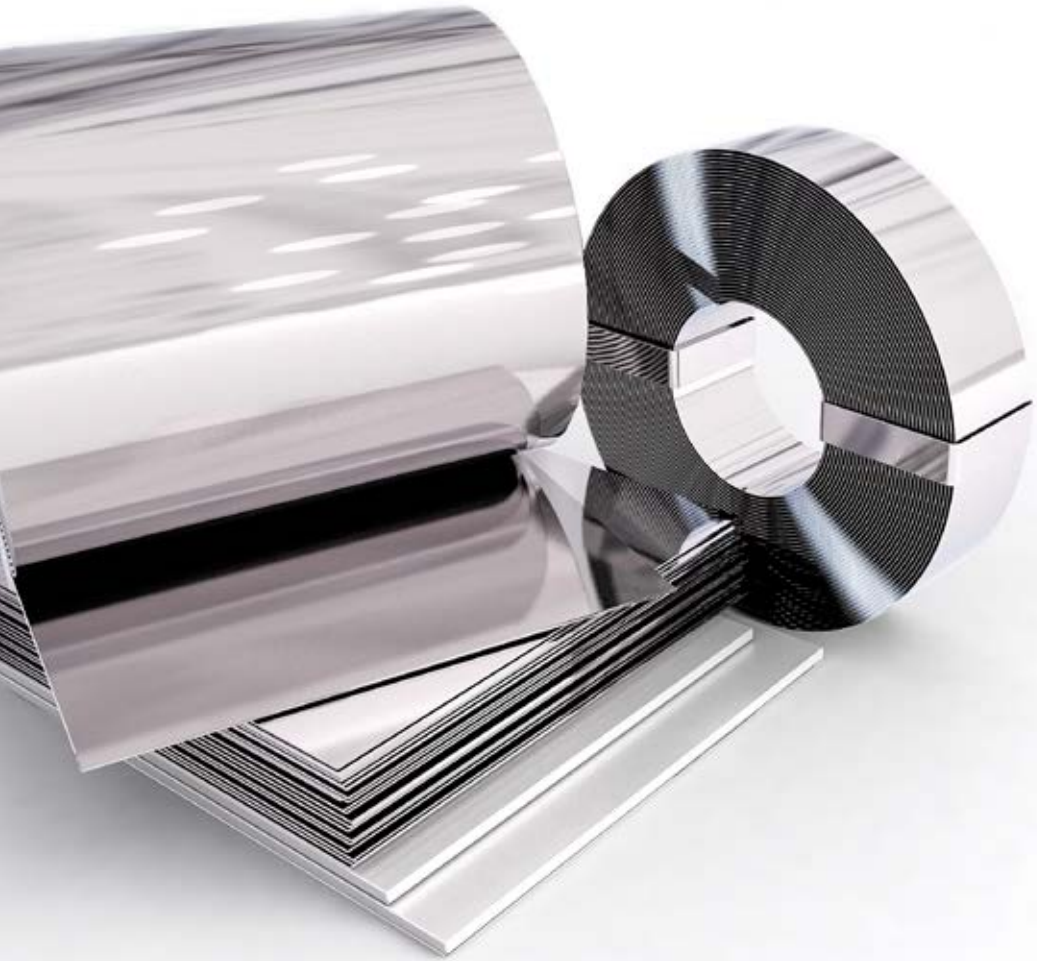
ALLOY SHEETS

Rahul Ferrometal
Leading the Evolutions



- MONEL
- INCONEL
- INCOLOY
- HASTELLOY

Sheet
Plate
Coil
Strip

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Mission

At Rahul Ferrometal, its mission is leading the evolutions of this world.

As a raw material producer, we believe that each time new materials are successfully developed, the world will undergo evolution. To date, common carbon steels and stainless steels are difficult to deal with tasks and requirements faced by many high-tech industries and in extreme production environments. With global industrial upgrading, nickel alloys are emerging to replace previous materials for enhanced efficiency and more lasting performance of completing tasks. We are professional manufacturer of nickel alloys and what we keep doing is to supply high quality nickel alloy products to the world. We have our responsibility and role to play in the popularity of the superior nickel alloys, and usher a new chapter into our world industry.

Vision

Our vision is to see the world development unconstrained by the materials.

This is an age of rapid development. As technology advances at the lightning speed, it poses increasingly high requirements on materials. While now material becomes a bottleneck on technology breakthrough, putting sand in the wheels of development, a hinderance that cannot be ignored. As raw material manufacturers, we should develop and progress on materials continuously so that we can introduce more advanced materials to the market. We firmly believe that material breakthrough will set off a chain effect on world technology.

Values

Our value is to provide excellent products, information and service.

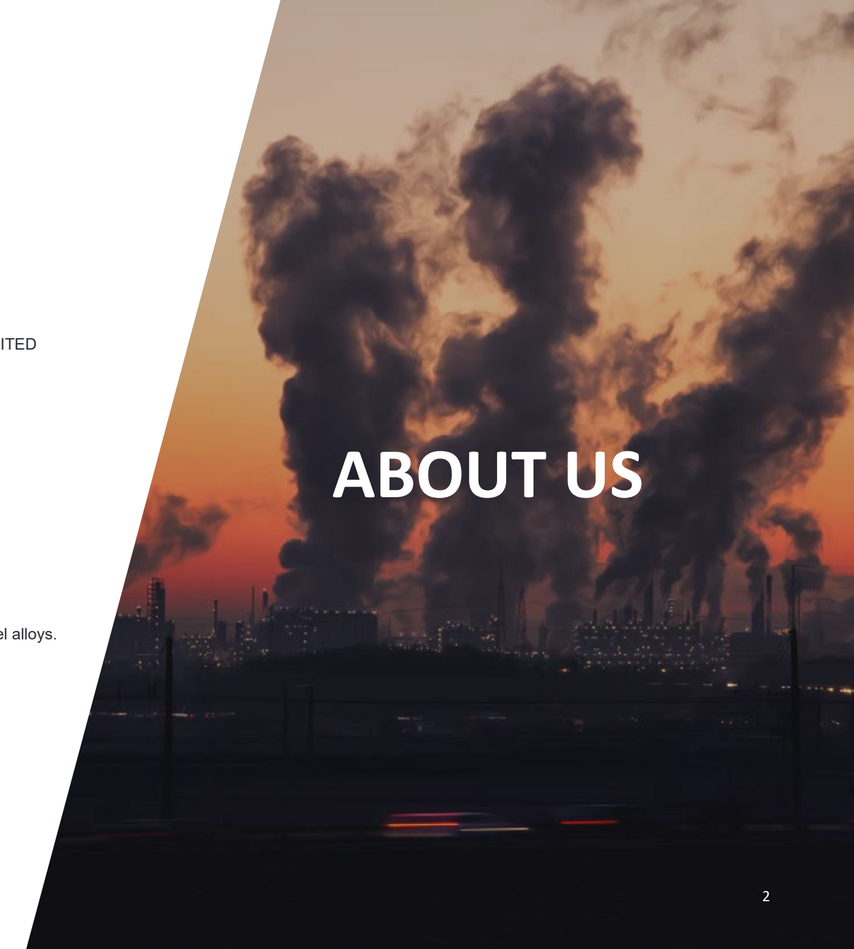
Product is the core of everything. We hope that all of our customers will feel at absolute ease using our products, while the product quality is the best bridge that builds our mutual trust. Hence, we've developed a very strict quality control system. Each product is subject to rounds of inspections by our professional inspectors. We believe that, only when we have 100% confidence in our products can our customers experience ease and satisfaction using them.

As nickel alloys are not as popular in applications as other steels, people's knowledge on these advanced alloys are also relatively limited. We are nickel alloy specialist; we devote ourselves to disseminating the knowledge of these materials. We will deliver new articles on nickel alloys on Media regularly. Hope with our efforts more people will know these excellent materials.

If you have any demand on nickel alloys, please feel free to send us enquiries. Our team will solve your demand with a very professional attitude. Our goal is to start every cooperation with excellent service.

ABOUT US

As a professional manufacturer of nickel alloys in China, Rahul Ferrometal CO. , LIMITED provides a quite wide range of nickel alloy products to our worldwide customers. The forms of our supply come into five categories: Pipes, Fittings, Bars, Sheets and Wires. Monel, Inconel, Incoloy, Hastelloy are our four major grades. We also have other special alloys like Nimonic, Nitronic, pure-nickel and etc. to cater for your custom demands. With 30 years' accumulated experience in alloy industry, we have developed mature and diverse quality control solutions to free you from purchasing worries. At Rahul Ferrometal, you buy trustworthy nickel alloys.



ABOUT US

WHY

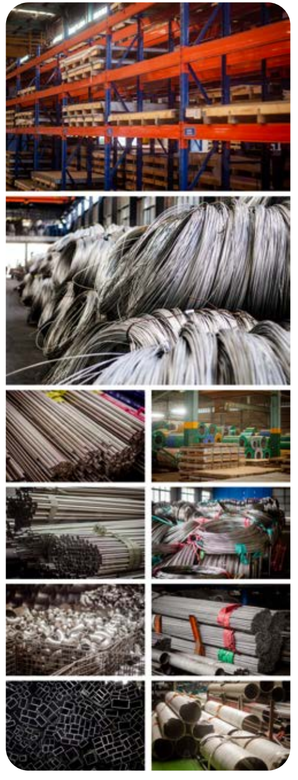
CHOOSE US

Quality Raw Material

Choosing raw material is the first step to quality control. This applies to all of our products. Our nickel alloy tube billets, ingots, and coils are all subjected to strict selection before putting into production.

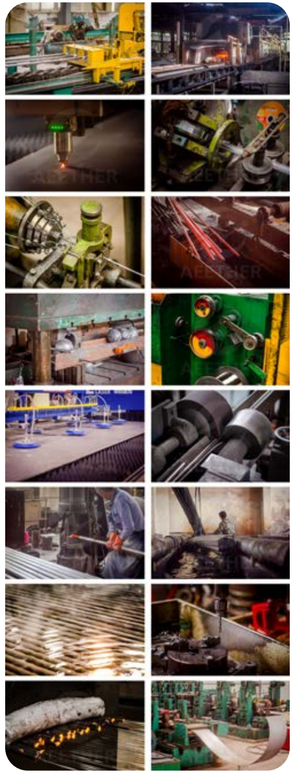
Huge Inventory

We have inventory for regular conventional products to solve regular and urgent demands. This enhances our supply chain efficiency. Meanwhile, it allows us to proceed with our production as plan and ensures production process.



Complete Process

We will not skip over any production process, even if it does not affect product look. We believe this is the basic requirement on product quality. If necessary, we will keep honing our products so that they can demonstrate workmanship.



Artful Appearance

Our products boast artful appearance. This cannot be done without our nearly fastidious attitudes on raw material selection, emphasis on finish treatment and skillful adapting of our equipment's functionality by our experienced engineers.

Strict Quality Control

Our products are subjected to strict quality inspection with original mill certificates issued by our officers or third party inspection with MTC issued by independent institutes. The final result is that we will never deliver unqualified products.

Strong Packing

Even the best-built products, if without suitable packing, may encounter problems during transportation. Hence, we are attentive to packing details. Packing is our shield to product transportation safety.

OUR STORY

Metal Experience

Rahul Ferrometal has its predecessor specialize in stainless steel products. At 1989, our first company Civmats was founded. Since then we have put into much efforts on stabilizing our product quality at an industrial higher level while experimenting on lowering the cost without any compromise on quality. With great efforts come our customers' recognition on our company and our products. Built this solid base, Rahul Ferrometal keeps growing strong, aiming to bring values to our customers, staffs and stockholders.

Nickel Alloy

2009 is the 20th anniversary of our foundation. At this juncture, we decide to evolve from ourselves and create new brand Rahul Ferrometal. We've realized that nickel alloys will be the future of this industry. We need to embrace this ever changing market with a completely new look. Hence, we've built a professional team constituted by industrial specialists and experienced talents, studying the past, the present and the future of nickel alloys. We've also dug deep into production processes to enhance efficiency and lower the cost. In 2014, with five years' accumulation,Rahul Ferrometal has become mature nickel alloy manufacturer. As an industrial specialist, we've provided satisfactory products and services to many customers.

Going Global

Our products finally go global after serving domestic markets for around 30 years.

In 2016, Rahul Ferrometal founded its international business department. We've built international sales and technical teams, dedicated to making our quality materials accessible to more countries at a reasonably low price.

For now, our products have been manufactured and distributed to worldwide. We've built mutual trusts with customers from Asia, Europe, America, Africa, and Oceania. We regard your repeat orders as recognition on our product. Meanwhile, we will live up to your trust and expectations, marching further to the international market. We grow with you.

SOLUTIONS

-- Nickel Alloy Applications

Aerospace

- INCONEL
- INCOLOY
- HASTELLOY

Aerospace is the industry where nickel alloys are most widely used. In aerospace engines, it is not an easy task to ensure that various components can work normally at different temperatures and in different environments. Nickel alloy is currently the most suitable material with excellent corrosion resistance and excellent mechanical properties at high temperatures. Rahul Ferrometal provides solution strengthened superalloys for engine containers and high-strength precipitation strengthened superalloys for engine blades.

Automotive

- MONEL
- INCONEL
- INCOLOY
- HASTELLOY

Similar to aerospace applications. With the development of the automobile industry, more and more automobile production uses nickel alloys to improve the performance of automobiles. Nowadays, superalloys are widely used in auto parts such as turbochargers, exhaust valves, ignition prechamber, exhaust gas cleaner fastener, noz z les & etc. Rahul Ferrometal produces performance nickel alloys to meet these needs.

Chemical Processing

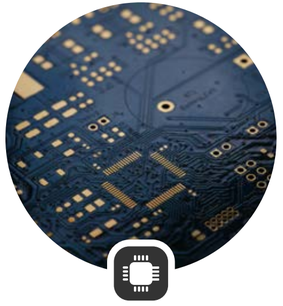
- MONEL
- INCONEL
- INCOLOY
- HASTELLOY

In the chemical industry, various chemical reactions need to be carried out in containers. Of course, different chemical reactions require different temperatures. The nickel alloy can not only resist the corrosion of various chemical substances, but also have good mechanical strength at both low and high temperatures. Therefore, it is the most commonly used material in the chemical industry. Rahul Ferrometal provides a variety performance nickel alloys to meet the needs of our customers in the chemical industry.

Electrical Resistance

- INCONEL
- INCOLOY

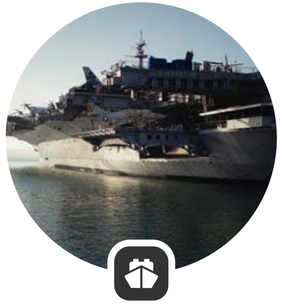
Resistance furnace is a heating furnace generate heat by pass current through the resistance wire or resistance band / strip. Among them, electric heating elements are required to have high heat resistance, high temperature strength, very low temperature coefficient of resistance and good chemical stability. Therefore, the common heating elements are nickel-chromium alloys or nickel-chromium-iron alloys (such as INCONEL and INCOLOY). Rahul Ferrometal specializes providing high-quality nickel-chromium alloy products for resistance furnace components.



Electric & Telecom

- MONEL
- INCONEL

With the development of technology, the demand for electronic components is increasing. In order to meet this demand, Rahul Ferrometal can provide precision nickel alloy wires as welding wires for electronic components. For welding materials for electronic components, good brazing properties and low Curie temperature are very important indicators. Therefore, among the materials we produce, MONEL alloys 401 and 404 are perfect choices for soldering materials.



Marine

- MONEL
- INCONEL
- INCOLOY
- HASTELLOY

In the shipbuilding industry and other marine industries, the most important issue is how to deal with the corrosion of flowing seawater. Nickel alloy is a perfect solution, especially MONEL alloy can reduce the corrosion rate to almost negligible. At Rahul Ferrometal, solid solution strengthened alloy as the material for the ship's hull. At the same time, precipitation strengthened alloys are used as practical materials for fasteners in seawater.

Oil & Gas

- MONEL
- INCONEL
- INCOLOY
- HASTELLOY

The oil is excavated from thousands of meters deep underground, where there is abnormally high temperature and pressure. In addition, the environment in some oil fields is very harsh, which can cause severe corrosion to metals. Rahul Ferrometal provides performance nickel alloy raw materials with excellent high-temperature corrosion resistance and high-temperature stress resistance. After being processed into casing and mandrel for drilling, it can be fully qualified for the oil exploitation environment.

Petro Processing

- INCONEL
- INCOLOY
- HASTELLOY

The principle of crude oil refining is to distill crude oil according to the different boiling points of different components in the crude oil. Different substances (such as gasoline and diesel) can be distilled at different temperatures. The distillation temperature can reach up to 800 degrees Celsius, and the composition of crude oil is very complex. Therefore, the distillation vessel must be resistant to high temperatures and resistant to various forms of corrosion. The nickel alloy materials produced by Rahul Ferrometal are qualified for this job.

Pollution & Waste

- INCONEL
- INCOLOY
- HASTELLOY

The waste in the industrial production process is generally treated by incineration. The temperature during incineration is extremely high and some waste materials are extremely corrosive. The nickel alloys we manufacture have superior high-temperature corrosion resistance, and provide guaranteed solutions for waste treatment in petroleum refining, natural gas processing, pharmaceutical, medical and other industries.

RAHUL FERROMETAL SOLUTIONS

Power Generation

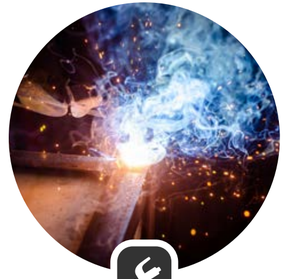
- INCONEL
- INCOLOY
- HASTELLOY

The power industry includes hydropower, coal power, gas power, and nuclear power. In addition to hydropower, other power generation methods require the support of high-temperature materials. Among them, nuclear power is one of the most widely used power generation methods of superalloys. In addition to the extreme high temperature inside the nuclear reactor, there is also a very harsh radiological environment. This makes nickel alloys an irreplaceable role in the composition of nuclear reactors.

Thermal Processing

- INCONEL
- INCOLOY
- HASTELLOY

Different metal heat treatment requires different heat treatment temperature and heat treatment time. This requires that the furnace material can withstand different degrees of high temperature for a long time without high temperature creep.Rahul Ferrometal provides high-performance nickel alloy products and selects alloys with the best high-temperature creep strength to match this demand. Our materials have been verified by various practices and can perfectly cope with various heat treatment methods.



Welding Products

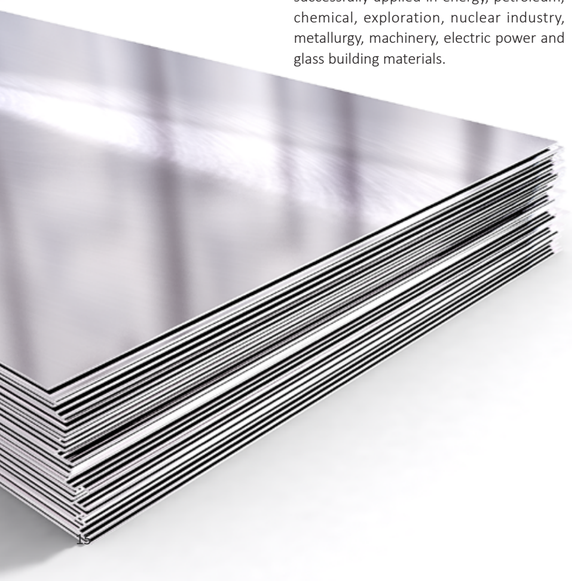
- MONEL
- INCONEL
- INCOLOY
- HASTELLOY

Rahul Ferrometal produces nickel alloy welding materials corresponding to nickel alloy products. Our filler metals and welding electrodes are produced in strict accordance with AWS A5.14 and AWS A5.11 standards. And according to the standard requirements, the chemical composition of the material is fine-tuned to ensure the performance of the weld. In addition, we also provide filler metals and welding electrodes of world-renowned brands (such as Special Metals, Haynes, VDM, etc.) for you to choose from.

Nickel Alloy Sheet

Applications

Combustion chambers of aerospace engines, flame tubes in afterburners, mounting edges, gas ducts, partitions, afterburner cylinders and other parts, as well as high temperature anti-oxidation and load-bearing components such as bellows for various purposes, the plate springs used in special environments, gas ducts, seals and other structural parts with higher requirements. It has also been successfully applied in energy, petroleum, chemical, exploration, nuclear industry, metallurgy, machinery, electric power and glass building materials.



Overview

As a leading nickel alloy materials supplier Rahul Ferrometal manufactures and produces cost-effective nickel alloy sheet. As a very common nickel alloy product, nickel alloy sheet is formed by flattening and shearing cold-rolled nickel alloy coil. The thickness of the nickel alloy cold-rolled sheet is generally less than 5mm. Unlike nickel alloy plate, nickel alloy thin plates have a brighter finish. The nickel alloy sheet has high strength and good creep resistance at any temperature. It is more fatigue resistant than ordinary alloy sheet. In addition, oxidation resistance is also one of its excellent properties.

Rahul Ferrometal supplies different alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incoloy(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The thickness of our nickel alloy sheet ranges from 0.5mm to 5mm. Customized size is also available.

Our products have higher quality and lower price. Our sales are more professional and responsible. Please don't hesitate to contact us!

Specifications

• Dimensions:
Thickness: ≤ 5mm
(For thickness > 5mm, please refer to nickel alloy plate)
Width: 500mm - 1000mm
Length: 700mm - 6000mm
*Customized size needs to be confirmed with us
• Delivery State: Cold Rolled
• Finish: 2B, No.1, No.2, No.4, BA, 6K, Mirror Finished, 8K, Hair Line with PVC

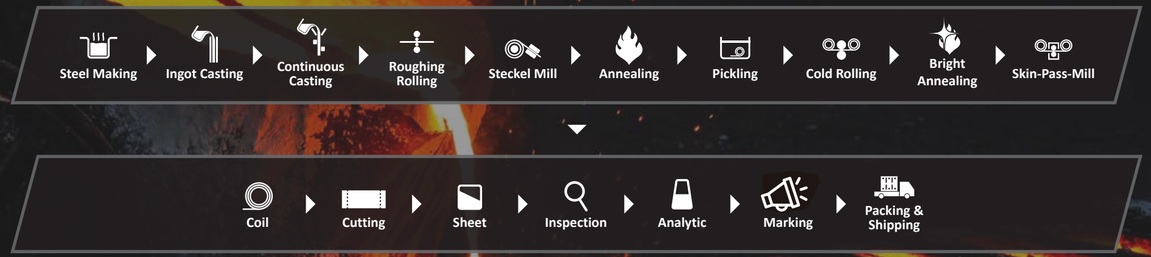
Standards

ASTM A240, ASTM A480, ASTM A693, ASTM B127, ASTM B162, ASTM B168, ASTM B333, ASTM B409, ASTM B424, ASTM B434, ASTM B435, ASTM B443, ASTM B463, ASTM B536, ASTM B575, ASTM B582, ASTM B599, ASTM B620, ASTM B625, ASTM B670, ASTM B688, ASTM B709, ASTM B718, ASTM B755, ASTM B688, ASTM B814, ASTM B818, ASTM B872, ASTM B906

Features

Excellent oxidation resistance, corrosion resistance, cold and thermal fatigue resistance, excellent heat and cold process (cupling, bending) performance and welding performance. It can be used in acid, alkali, and salt corrosive atmospheres, and can meet the requirements of -253 ℃ - 1300 ℃ high temperature, abrasion and other harsh environments.

Manufacturing Process



Drawing & Formula

Formula: m = A (m) × THK (mm) × L (m) × ρ (g/cm³)
A = Width, THK = Thickness, L = Length, ρ = Density

Tolerance in Thickness

ASTM B463, B536, B599, B625, B688, B709 and B718		
Specified Thickness, in. (mm)	Permissible Variations, Over and Under	
	in.	mm
Over 0.145(3.68) to less than 3/16(4.76)	0.014	0.36
Over 0.130(3.30) to 0.145(3.68), incl	0.012	0.30
Over 0.114(2.90) to 0.130(3.30), incl	0.010	0.25
Over 0.098(2.49) to 0.114(2.90), incl	0.009	0.23
Over 0.083(2.11) to 0.098(2.49), incl	0.008	0.20
Over 0.072(1.83) to 0.083(2.11), incl	0.007	0.18
Over 0.058(1.47) to 0.072(1.83), incl	0.006	0.15
Over 0.040(1.02) to 0.058(1.47), incl	0.005	0.13
Over 0.026(0.66) to 0.040(1.02), incl	0.004	0.10
Over 0.016(0.41) to 0.026(0.66), incl	0.003	0.08
Over 0.007(0.18) to 0.016(0.41), incl	0.002	0.05
Over 0.005(0.13) to 0.007(0.18), incl	0.0015	0.04
0.005(0.13)	0.001	0.03

ASTM B333, B434, B435, B575, B582, B620, B814 and B818		
Specified Thickness, in. (mm)	Permissible Variations in Thickness, in (mm) (All Widths)	
	+	-
0.020 to 0.034(0.51 to 0.86), incl	0.004(0.10)	0.004(0.10)
Over 0.034 to 0.056(0.86 to 1.42), incl	0.005(0.13)	0.005(0.13)
Over 0.056 to 0.070(1.42 to 1.78), incl	0.006(0.15)	0.006(0.15)
Over 0.070 to 0.078(1.78 to 1.98), incl	0.007(0.18)	0.007(0.18)
Over 0.078 to 0.093(1.98 to 2.36), incl	0.008(0.20)	0.008(0.20)
Over 0.093 to 0.109(2.36 to 2.77), incl	0.009(0.23)	0.009(0.23)
Over 0.109 to 0.125(2.77 to 3.18), incl	0.010(0.25)	0.010(0.25)
Over 0.125 to 0.140(3.18 to 3.56), incl	0.013(0.33)	0.010(0.25)
Over 0.140 to 0.171(3.56 to 4.34), incl	0.016(0.41)	0.010(0.25)
Over 0.171 to 0.187(4.34 to 4.75), incl	0.018(0.46)	0.010(0.25)

ASTM B127, B162, B168, B409, B424, B443, B670, B755 and B872				
Specified Thickness, in. (mm), incl	Hot-Rolled		Cold-Rolled	
	48(1220) and Under	Over 48 to 60(1220 to 1520), incl	48(1220) and Under	Over 48 to 60(1220 to 1520), incl
0.018 to 0.025(0.5 to 0.6)	0.003(0.08)	0.004(0.10)	0.002(0.05)	0.003(0.08)
Over 0.025 to 0.034(0.6 to 0.9)	0.004(0.10)	0.005(0.13)	0.003(0.08)	0.004(0.10)
Over 0.034 to 0.043(0.9 to 1.1)	0.005(0.13)	0.006(0.15)	0.004(0.10)	0.005(0.13)
Over 0.043 to 0.056(1.1 to 1.4)	0.005(0.13)	0.006(0.15)	0.004(0.10)	0.005(0.13)
Over 0.056 to 0.070(1.4 to 1.8)	0.006(0.15)	0.007(0.18)	0.005(0.13)	0.006(0.15)
Over 0.070 to 0.078(1.8 to 1.9)	0.007(0.18)	0.008(0.20)	0.006(0.15)	0.007(0.18)
Over 0.078 to 0.093(1.9 to 2.4)	0.008(0.20)	0.009(0.23)	0.007(0.18)	0.008(0.20)
Over 0.093 to 0.109(2.4 to 2.8)	0.009(0.23)	0.010(0.25)	0.007(0.18)	0.009(0.23)
Over 0.109 to 0.125(2.8 to 3.2)	0.010(0.25)	0.012(0.31)	0.008(0.20)	0.010(0.25)
Over 0.125 to 0.140(3.2 to 3.6)	0.012(0.31)	0.014(0.36)	0.008(0.20)	0.010(0.25)
Over 0.140 to 0.171(3.6 to 4.3)	0.014(0.36)	0.016(0.41)	0.009(0.23)	0.012(0.31)
Over 0.171 to 0.187(4.3 to 4.8)	0.015(0.38)	0.017(0.43)	0.010(0.25)	0.013(0.33)
Over 0.187 to 0.218(4.8 to 5.5)	0.017(0.43)	0.019(0.48)	0.011(0.28)	0.015(0.38)
Over 0.218 to 0.234(5.5 to 5.9)	0.018(0.46)	0.020(0.51)	0.012(0.31)	0.016(0.41)
Over 0.234 to 0.250(5.9 to 6.4)	0.020(0.51)	0.022(0.56)	0.013(0.33)	0.018(0.46)

Tolerance in Width

ASTM B463, B536, B599, B625, B688, B709 and B718			
Specified Thickness, in. (mm)		Tolerances for Specified Width, in. (mm)	
		24 (610) to 48 (1219), excl	48 (1219) and Over
Less than 3/16(4.76)		1/16(1.59) over, 0 under	1/8(3.18) over, 0 under

ASTM B333, B434, B435, B575, B582, B620, B814 and B818			
Specified Thickness, in. (mm)	Specified Width, in. (mm)	Permissible Variations in Specified Width, in. (mm)	
		+	-
0.187(4.76) and under	2(50.8) and over	0.125(3.18)	0

ASTM B127, B162, B168, B409, B424, B443, B670, B755 and B872			
Specified Thickness, in. (mm)	Specified Width, in. (mm)	Permissible Variations in Specified Width, in. (mm)	
		Plus	Minus
Up to 0.250(6.35)	All	0.125(3.18)	0

Tolerance in Length

ASTM B463, B536, B599, B625, B688, B709 and B718	
Length, ft (mm)	Tolerances, in. (mm)
Up to 10(3048), incl	1/4(6.35) over, 0
Over 10(3048) to 20(6096), incl	1/2(12.70) over, 0 under

Delivery State

Delivery State Choice	Surface Condition
Cold Rolled / Solution & Aging Treated	2B
	2D
	BA
	Hairline
	No.3
	No.4
	6K
	8K

Note:
1. If you require different deliver state than the above listed, kindly confirm with us.
2. In case of any enquiry or order, please kindly let us know any extra requirement not indicated here.

FAQ

Q Do you have other nickel alloy sheet products?

A Yes, We also have nickel alloy plate, nickel alloy coil and nickel alloy strip. You can check the corresponding pages for details.

Q Which finish does your nickel alloy sheet provide?

A 2B, No.1, No.2, No.4, BA, 6K, Mirror Finished, 8K, Hair Line with PVC, it should be noted that unconventional surfaces may incur additional costs.

Q Can you provide some samples?

A We can provide small nickel alloy sheet samples for you to check the quality. The sample is free, you only need to pay the shipping cost.

Q Which countries do you export to?

A We have exported to more than 42 countries/regions, such as Japan, Mexico, South Korea, Germany, Russia, Australia, Vietnam, Thailand, etc.

Q What is your minimum order quantity?

A The minimum order quantity of nickel alloy sheet is 200KG.

Q How long is your delivery time?

A For regular orders, it takes about two weeks. If you need an unusual size, please confirm the delivery date with us separately.

Package

Brown Paper **Wooden Pallet**

At Rahul Ferrometal, all our nickel alloy sheets are packed in accordance with international standards to prevent any possible damage or loss. By default, we will cover the nickel alloy sheets with brown paper, and then tie them up on wooden pallets. Sometimes, according to customer requirements, we will also use more robust packaging: fixed steel strips or angle bars on the four corners or four sides, but this will incur additional costs. In addition, in order to meet more needs, we can also customize packaging according to your requirements.

Logistics

By Sea **By Air**

Sea transportation is the most popular for most orders, hence regarded as the default transportation mode. Accordingly, quotation is thus made as per FOB, CFR, CIF etc.. For urgent demand, we can also offer as per air transportation.

Package & Logistics & FAQ

RAHUL FERROMETAL

Rahul Ferrometal

Nickel Alloy Plate

Applications

Combustion chambers of aerospace engines, flame tubes in afterburners, mounting edges, gas ducts, partitions, afterburner cylinders and other parts, as well as high temperature anti-oxidation and load-bearing components such as bellows for various purposes, the plate springs used in special environments, gas ducts, seals and other structural parts with higher requirements. It has also been successfully applied in energy, petroleum, chemical, exploration, nuclear industry, metallurgy, machinery, electric power and glass building materials.

Overview

As a powerful nickel alloy supplier in China, AEETHER produces and manufactures high cost-effective nickel alloy plate for your choice. Nickel alloy hot-rolled plates are generally nickel alloy sheets & plates products with a thickness more than 3mm - 5mm. The nickel alloy plate inherits the superior corrosion resistance, high temperature resistance and fatigue resistance of nickel alloy. In terms of the manufacturing process, the nickel alloy plate can be flattened and cut from the nickel alloy coil, it also can be directly hot rolled from the nickel alloy billet. Compared with nickel alloy sheets, nickel alloy plates have a whiter finish.

Rahul Ferrometal supplies different alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incoloy(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The thickness of our nickel alloy hot rolled plate ranges from 2.5mm to 50mm. Customized size is also available.

Our products have higher quality and lower price. Our sales are more professional and responsible. Please don't hesitate to contact us!

Specifications

• Dimensions:

Thickness: 2.5mm - 50mm
(For thickness < 2.5mm, please refer to nickel alloy sheet)
Width: 50mm - 2000mm
Length: 100mm - 6000mm
*Customized size needs to be confirmed with us

• Delivery State: Hot Rolled
• Finish: No.1, 1D, Pickled or as per demand

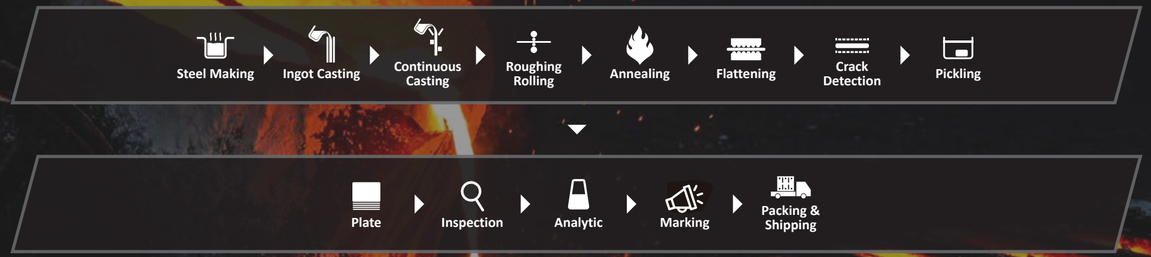
Standards

ASTM A240, ASTM A480, ASTM A693, ASTM B127, ASTM B162, ASTM B168, ASTM B333, ASTM B409, ASTM B424, ASTM B434, ASTM B435, ASTM B443, ASTM B463, ASTM B536, ASTM B575, ASTM B582, ASTM B599, ASTM B620, ASTM B625, ASTM B670, ASTM B688, ASTM B709, ASTM B718, ASTM B755, ASTM B688, ASTM B814, ASTM B818, ASTM B872, ASTM B906

Features

Excellent oxidation resistance, corrosion resistance, cold and thermal fatigue resistance, excellent heat and cold process (cupling, bending) performance and welding performance. It can be used in acid, alkali, and salt corrosive atmospheres, and can meet the requirements of -253°C - 1300°C high temperature, abrasion and other harsh environments.

Manufacturing Process



Drawing & Formula

Formula: m = A (m) × THK (mm) × L (m) × ρ (g/cm³)
A = Width, THK = Thickness, L = Length, ρ = Density

Tolerance in Thickness

ASTM B463, B536, B599, B625, B688, B709 and B718				
Specified Thickness, in. (mm)	Width, in. (mm)			
	To 84(2134), incl	Over 84(2134) to 120(3048), incl	Over 120(3048) to 144(3658), incl	Over 144(3658)
	Tolerance Over Specified Thickness, in. (mm)			
3/16(4.76) to 3/8(9.52), excl	0.045(1.14)	0.050(1.27)	...	...
3/8(9.52) to 3/4(19.05), excl	0.055(1.40)	0.060(1.52)	0.075(1.90)	0.090(2.29)
3/4(19.05) to 1(25.40), excl	0.060(1.52)	0.065(1.65)	0.085(2.16)	0.100(2.54)
1(25.40) to 2(50.80), excl	0.070(1.78)	0.075(1.90)	0.095(2.41)	0.115(2.92)
2(50.80) to 3(76.20), excl	0.125(3.18)	0.150(3.81)	0.175(4.44)	0.200(5.08)
3(76.20) to 4(101.6), excl	0.175(4.44)	0.210(5.33)	0.245(6.22)	0.280(7.11)
4(101.6) to 6(152.4), excl	0.250(6.35)	0.300(7.62)	0.350(8.89)	0.400(10.16)
6(152.4) to 8(203.2), excl	0.350(8.89)	0.420(10.67)	0.490(12.45)	0.560(14.22)
8(203.2) to 10(254.0), excl	0.450(11.43)	0.540(13.72)	0.630(16.00)	...

ASTM B333, B434, B435, B575, B582, B620, B814 and B818		
Specified Thickness, in. (mm)	Permissible Variations in Thickness, in. (mm)	
	+	-
3/16 to 7/32(4.762 to 5.556), incl	0.021(0.53)	0.010(0.25)
Over 7/32 to 1/4(5.556 to 6.350), incl	0.024(0.61)	0.010(0.25)
Over 1/4 to 3/8(6.350 to 9.525), incl	0.027(0.69)	0.010(0.25)
Over 3/8 to 1/2(9.525 to 12.70), incl	0.030(0.76)	0.010(0.25)
Over 1/2 to 5/8(12.70 to 5.88), incl	0.035(0.89)	0.010(0.25)
Over 5/8 to 3/4(15.88 to 19.05), incl	0.040(1.02)	0.010(0.25)
Over 3/4 to 7/8(19.05 to 22.25), incl	0.045(1.14)	0.010(0.25)
Over 7/8 to 1(22.25 to 25.4), incl	0.050(1.27)	0.010(0.25)
Over 1 to 3/2(25.4 to 63.5), incl	5	0.010(0.25)

Tolerance in Width and Length

ASTM B463, B536, B599, B625, B688, B709 and B718							
Width, in. (mm)	Length, in. (mm)	Tolerances Over Specified Width and Length for Given Width, Length, and Thickness, in. (mm)					
		Under 3/8 in. (9.52 mm) in Thickness		3/8(9.52) to 1/2(12.70 mm) in., incl, in Thickness		Over 1/2(12.70 mm) to 1 in. (25.40 mm) in Thickness	
		Width	Length	Width	Length	Width	Length
48(1219) and under	144(3658) and under	1/8(3.18)	3/16(4.76)	3/16(4.76)	1/4(6.35)	5/16(7.94)	3/8(9.52)
Over 48(1219) to 60(1524), incl		3/16(4.76)	1/4(6.35)	1/4(6.35)	5/16(7.94)	3/8(9.52)	7/16(11.11)
Over 60(1524) to 84(2134), incl		1/4(6.35)	5/16(7.94)	5/16(7.94)	3/8(9.52)	7/16(11.11)	1/2(12.70)
Over 84(2134) to 108(2743), incl		5/16(7.94)	3/8(9.52)	3/8(9.52)	7/16(11.11)	1/2(12.70)	9/16(14.29)
Over 108(2743)		3/8(9.52)	7/16(11.11)	7/16(11.11)	1/2(12.70)	5/8(15.88)	11/16(17.46)
48(1219) and under	over 144(3658) to 240(6096)	3/16(4.76)	3/8(9.52)	1/4(6.35)	1/2(12.70)	5/16(7.94)	5/8(15.88)
Over 48(1219) to 60(1524), incl		1/4(6.35)	7/16(11.11)	5/16(7.94)	5/8(15.88)	3/8(9.52)	3/4(19.05)
Over 60(1524) to 84(2134), incl		3/8(9.52)	1/2(12.70)	7/16(11.11)	11/16(17.46)	1/2(12.70)	3/4(19.05)
Over 84(2134) to 108(2743), incl		7/16(11.11)	9/16(14.29)	1/2(12.70)	3/4(19.05)	5/8(15.88)	7/8(22.22)
Over 108(2743)		1/2(12.70)	5/8(15.88)	5/8(15.88)	7/8(22.22)	11/16(17.46)	1(25.40)
48(1219) and under	over 240(6096) to 360(9144)	1/4(6.35)	1/2(12.70)	5/16(7.94)	5/8(15.88)	3/8(9.52)	3/4(19.05)
Over 48(1219) to 60(1524), incl		5/16(7.94)	5/8(15.88)	3/8(9.52)	3/4(19.05)	1/2(12.70)	3/4(19.05)
Over 60(1524) to 84(2134), incl		7/16(11.11)	11/16(17.46)	1/2(12.70)	3/4(19.05)	5/8(15.88)	7/8(22.22)
Over 84(2134) to 108(2743), incl		9/16(14.29)	3/4(19.05)	5/8(15.88)	7/8(22.22)	3/4(19.05)	1(25.40)
Over 108(2743)		5/8(15.88)	7/8(22.22)	11/16(17.46)	1(25.40)	7/8(22.22)	1(25.40)

60(1524) and under	over 360(9144) to 480(12192)	7/16(11.11)	9/8(28.58)	1/2(12.70)	5/4(31.75)	5/8(15.88)	11/8(34.92)
Over 60(1524) to 84(2134), incl		1/2(12.70)	5/4(31.75)	5/8(15.88)	11/8(34.92)	3/4(19.05)	3/2(38.10)
Over 84(2134) to 108(2743), incl		9/16(14.29)	5/4(31.75)	3/4(19.05)	11/8(34.92)	7/8(22.22)	3/2(38.10)
Over 108(2743)		3/4(19.05)	11/8(34.92)	7/8(22.22)	3/2(38.10)	1(25.40)	13/8(41.28)
60(1524) and under	over 480(12192) to 600(15240)	7/16(11.11)	5/4(31.75)	1/2(12.70)	3/2(38.10)	5/8(15.88)	13/8(41.28)
Over 60(1524) to 84(2134), incl		1/2(12.70)	11/8(34.92)	5/8(15.88)	3/2(38.10)	3/4(19.05)	13/8(41.28)
Over 84(2134) to 108(2743), incl		5/8(15.88)	11/8(34.92)	3/4(19.05)	3/2(38.10)	7/8(22.22)	13/8(41.28)
Over 108(2743)		3/4(19.05)	3/2(38.10)	7/8(22.22)	13/8(41.28)	1(25.40)	7/4(44.45)
60(1524) and under	over 600(15240)	1/2(12.70)	7/4(44.45)	5/8(15.88)	15/8(47.62)	3/4(19.05)	15/8(47.62)
Over 60(1524) to 84(2134), incl		5/8(15.88)	7/4(44.45)	3/4(19.05)	15/8(47.62)	7/8(22.22)	15/8(47.62)
Over 84(2134) to 108(2743), incl		5/8(15.88)	7/4(44.45)	3/4(19.05)	15/8(47.62)	7/8(22.22)	15/8(47.62)
Over 108(2743)		7/8(22.22)	7/4(44.45)	1(25.40)	2(50.80)	9/8(28.58)	9/4(57.15)

ASTM B333, B434, B435, B575, B582, B620, B814 and B818

Specified Thickness	Permissible Variations in Widths and Lengths for Dimensions Given, in. (mm)			
	Up to 30(760), incl		Over 30(760)	
	+	-	+	-
Inches				
Sheared:				
3/16 to 5/16, excl	3/16	1/8	1/4	1/8
5/16 to 1/2, incl	1/4	1/8	3/8	1/8
Abrasive-cut:				
3/16 to 3/2, incl	1/16	1/16	1/16	1/16
Over 3/2 to 3/2, incl	1/8	1/8	1/8	1/8
Torch-cut:				
3/16 to 2 excl	1/2	0	1/2	0

2 to 3 incl	5/8	0	5/8	0			
Millimetres							
Sheared:							
4.76 to 7.94, excl				4.76	3.18	6.35	3.18
7.94 to 12.70, incl				6.35	3.18	9.52	3.18
Abrasive-cut:							
4.76 to 38.1, incl				1.59	1.59	1.59	1.59
Over 38.1 to 63.5, incl				3.18	3.18	3.18	3.18
Torch-cut:							
4.8 to 50.8 excl				12.7	0	12.7	0
50.8 to 76.2 incl				15.9	0	15.9	0

Delivery State

Delivery State Choice	Surface Condition
Cold Rolled / Solution & Aging Treated	2B
	2D
	BA
	Hairline
	No.3
	No.4
	6K
	8K

Note:
1. If you require different deliver state than the above listed, kindly confirm with us.
2. In case of any enquiry or order, please kindly let us know any extra requirement not indicated here.

FAQ

Q Can you provide nickel alloy plates with shot blasting finish?

A Yes, although our default finish is No.1 finish, if you need sandblasting or shot blasting, we can customize it according to your needs.

Q Do you provide cutting services?

A Yes, we have advanced cutting equipment to cut nickel alloy plates to the size and shape you want. We provide plasma cutting, laser cutting, water cutting and other cutting methods. It should be noted that cutting will generate waste, so The additional cost will be included in the unit price of the product.

Q What other sheet & plate products do you have?

A We also have nickel alloy sheet, nickel alloy coil and nickel alloy strip. You can check their pages for details.

Q Which countries do you export to?

A We have exported to more than 42 countries/regions, such as Japan, Mexico, South Korea, Germany, Russia, Australia, Vietnam, Thailand, etc.

Q What is your minimum order quantity?

A The minimum order quantity of nickel alloy plate is 200KG.

Q How long is your delivery time?

A For regular orders, it takes about 65 days. If you need an unusual size, please confirm the delivery date with us separately.

Package

Brown Paper

Wooden Pallet

At Rahul Ferrometal, all our nickel alloy plates are packed in accordance with international standards to prevent any possible damage or loss. By default, we will cover the nickel alloy plates with brown paper, and then tie them up on wooden pallets. Sometimes, according to customer requirements, we will also use more robust packaging: fixed steel strips or angle bars on the four corners or four sides, but this will incur additional costs. In addition, in order to meet more needs, we can also customize packaging according to your requirements.

Logistics

By Sea

By Air

Sea transportation is the most popular for most orders, hence regarded as the default transportation mode. Accordingly, quotation is thus made as per FOB, CFR, CIF etc.. For urgent demand, we can also offer as per air transportation.

Package & Logistics & FAQ

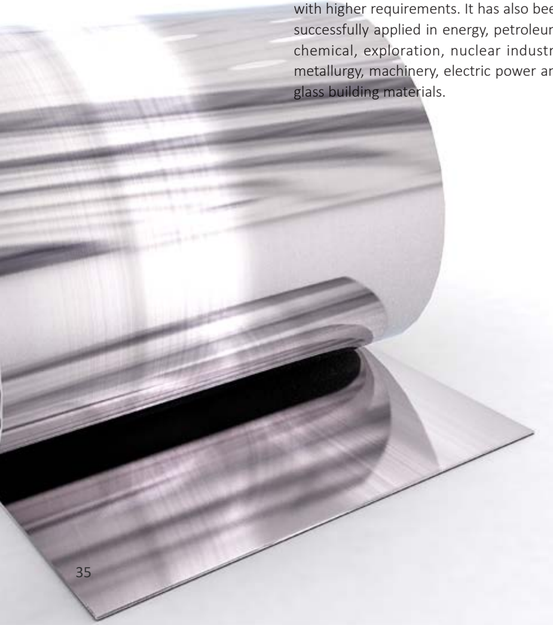
RAHUL FERROMETAL

Rahul Ferrometal

Nickel Alloy Coil

Applications

Combustion chambers of aerospace engines, flame tubes in afterburners, mounting edges, gas ducts, partitions, afterburner cylinders and other parts, as well as high temperature anti-oxidation and load-bearing components such as bellows for various purposes, the plate springs used in special environments, gas ducts, seals and other structural parts with higher requirements. It has also been successfully applied in energy, petroleum, chemical, exploration, nuclear industry, metallurgy, machinery, electric power and glass building materials.



Overview

As a powerful nickel alloy materials supplier, AEETHER produces and manufactures nickel alloy coil of high quality and low price. Nickel alloy coil is a nickel alloy raw material manufactured by rolling up a nickel alloy sheet/plate. According to different production processes, nickel alloy coils are divided into nickel alloy hot rolled coils and nickel alloy cold rolled coils. After they are flattened, they can be made into nickel alloy plate and nickel alloy sheet. The default finish of nickel alloy cold rolled coil is 2B finish and the default finish of nickel alloy hot rolled coil is No.1 finish. If you need other finish, please confirm with us to customize.

Rahul Ferrometal suplies different alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incoloy(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The thickness of our nickel alloy coil ranges from 0.5mm to 5mm. Customized size is also available.

Our products have higher quality and lower price. Our sales are more professional and responsible. Please don't hesitate to contact us!

Specifications

• Dimensions:
Thickness: 0.5mm - 50mm
Width: 500mm - 1200mm
*Customized size needs to be confirmed with us
• Delivery State: Cold Rolled, Hot Rolled
• Finish: 2B, No.1, 1D, No.2, No.4, BA, 6K, Mirror Finished, 8K, Hair Line with PVC

Standards

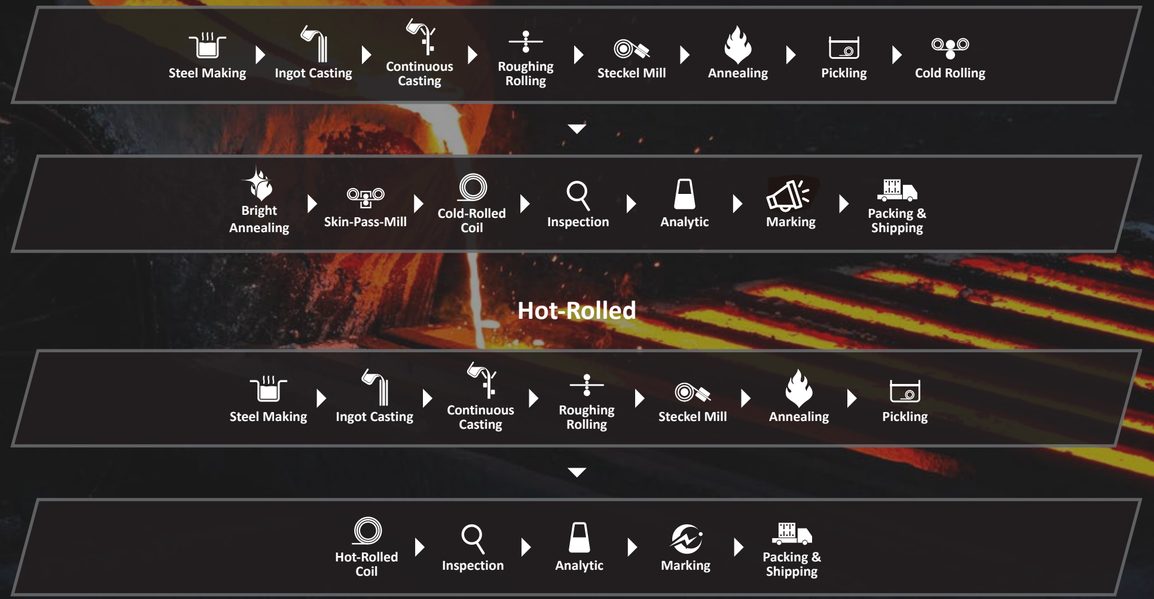
ASTM A240, ASTM A480, ASTM A693, ASTM B127, ASTM B162, ASTM B168, ASTM B333, ASTM B409, ASTM B424, ASTM B434, ASTM B435, ASTM B443, ASTM B463, ASTM B536, ASTM B575, ASTM B582, ASTM B599, ASTM B620, ASTM B625, ASTM B670, ASTM B688, ASTM B709, ASTM B718, ASTM B755, ASTM B688, ASTM B814, ASTM B818, ASTM B872, ASTM B906

Features

Excellent oxidation resistance, corrosion resistance, cold and thermal fatigue resistance, excellent heat and cold process (cupling, bending) performance and welding performance. It can be used in acid, alkali, and salt corrosive atmospheres, and can meet the requirements of -253 ℃ - 1300 ℃ high temperature, abrasion and other harsh environments.

Manufacturing Process

Cold-Rolled



Hot-Rolled

Tolerance in Thickness

ASTM B463, B536, B599, B625, B688, B709 and B718		
Specified Thickness, in. (mm)	Permissible Variations, Over and Under	
	in.	mm
Over 0.145(3.68) to less than 3/16(4.76)	0.014	0.36
Over 0.130(3.30) to 0.145(3.68), incl	0.012	0.30
Over 0.114(2.90) to 0.130(3.30), incl	0.010	0.25
Over 0.098(2.49) to 0.114(2.90), incl	0.009	0.23
Over 0.083(2.11) to 0.098(2.49), incl	0.008	0.20
Over 0.072(1.83) to 0.083(2.11), incl	0.007	0.18
Over 0.058(1.47) to 0.072(1.83), incl	0.006	0.15
Over 0.040(1.02) to 0.058(1.47), incl	0.005	0.13
Over 0.026(0.66) to 0.040(1.02), incl	0.004	0.10
Over 0.016(0.41) to 0.026(0.66), incl	0.003	0.08
Over 0.007(0.18) to 0.016(0.41), incl	0.002	0.05
Over 0.005(0.13) to 0.007(0.18), incl	0.0015	0.04
0.005(0.13)	0.001	0.03

ASTM B333, B434, B435, B575, B582, B620, B814 and B818		
Specified Thickness, in. (mm)	Permissible Variations in Thickness, in (mm) (All Widths)	
	+	-
0.020 to 0.034(0.51 to 0.86), incl	0.004(0.10)	0.004(0.10)
Over 0.034 to 0.056(0.86 to 1.42), incl	0.005(0.13)	0.005(0.13)
Over 0.056 to 0.070(1.42 to 1.78), incl	0.006(0.15)	0.006(0.15)
Over 0.070 to 0.078(1.78 to 1.98), incl	0.007(0.18)	0.007(0.18)
Over 0.078 to 0.093(1.98 to 2.36), incl	0.008(0.20)	0.008(0.20)
Over 0.093 to 0.109(2.36 to 2.77), incl	0.009(0.23)	0.009(0.23)
Over 0.109 to 0.125(2.77 to 3.18), incl	0.010(0.25)	0.010(0.25)
Over 0.125 to 0.140(3.18 to 3.56), incl	0.013(0.33)	0.010(0.25)
Over 0.140 to 0.171(3.56 to 4.34), incl	0.016(0.41)	0.010(0.25)
Over 0.171 to 0.187(4.34 to 4.75), incl	0.018(0.46)	0.010(0.25)

ASTM B127, B162, B168, B409, B424, B443, B670, B755 and B872				
Specified Thickness, in. (mm), incl	Hot-Rolled		Cold-Rolled	
	48(1220) and Under	Over 48 to 60(1220 to 1520), incl	48(1220) and Under	Over 48 to 60(1220 to 1520), incl
0.018 to 0.025(0.5 to 0.6)	0.003(0.08)	0.004(0.10)	0.002(0.05)	0.003(0.08)
Over 0.025 to 0.034(0.6 to 0.9)	0.004(0.10)	0.005(0.13)	0.003(0.08)	0.004(0.10)
Over 0.034 to 0.043(0.9 to 1.1)	0.005(0.13)	0.006(0.15)	0.004(0.10)	0.005(0.13)
Over 0.043 to 0.056(1.1 to 1.4)	0.005(0.13)	0.006(0.15)	0.004(0.10)	0.005(0.13)
Over 0.056 to 0.070(1.4 to 1.8)	0.006(0.15)	0.007(0.18)	0.005(0.13)	0.006(0.15)
Over 0.070 to 0.078(1.8 to 1.9)	0.007(0.18)	0.008(0.20)	0.006(0.15)	0.007(0.18)
Over 0.078 to 0.093(1.9 to 2.4)	0.008(0.20)	0.009(0.23)	0.007(0.18)	0.008(0.20)
Over 0.093 to 0.109(2.4 to 2.8)	0.009(0.23)	0.010(0.25)	0.007(0.18)	0.009(0.23)
Over 0.109 to 0.125(2.8 to 3.2)	0.010(0.25)	0.012(0.31)	0.008(0.20)	0.010(0.25)
Over 0.125 to 0.140(3.2 to 3.6)	0.012(0.31)	0.014(0.36)	0.008(0.20)	0.010(0.25)
Over 0.140 to 0.171(3.6 to 4.3)	0.014(0.36)	0.016(0.41)	0.009(0.23)	0.012(0.31)
Over 0.171 to 0.187(4.3 to 4.8)	0.015(0.38)	0.017(0.43)	0.010(0.25)	0.013(0.33)
Over 0.187 to 0.218(4.8 to 5.5)	0.017(0.43)	0.019(0.48)	0.011(0.28)	0.015(0.38)
Over 0.218 to 0.234(5.5 to 5.9)	0.018(0.46)	0.020(0.51)	0.012(0.31)	0.016(0.41)
Over 0.234 to 0.250(5.9 to 6.4)	0.020(0.51)	0.022(0.56)	0.013(0.33)	0.018(0.46)

Tolerance in Width

ASTM B463, B536, B599, B625, B688, B709 and B718			
Specified Thickness, in. (mm)		Tolerances for Specified Width, in. (mm)	
		24 (610) to 48 (1219), excl	48 (1219) and Over
Less than 3/16(4.76)		1/16(1.59) over, 0 under	1/8(3.18) over, 0 under

ASTM B333, B434, B435, B575, B582, B620, B814 and B818			
Specified Thickness, in. (mm)	Specified Width, in. (mm)	Permissible Variations in Specified Width, in. (mm)	
		+	-
0.187(4.76) and under	2(50.8) and over	0.125(3.18)	0

ASTM B127, B162, B168, B409, B424, B443, B670, B755 and B872			
Specified Thickness, in. (mm)	Specified Width, in. (mm)	Permissible Variations in Specified Width, in. (mm)	
		Plus	Minus
Up to 0.250(6.35)	All	0.125(3.18)	0

Delivery State

Delivery State Choice	Surface Condition
Cold Rolled / Solution & Aging Treated	2B
	2D
	BA
	Hairline
	No.3
	No.4
	6K
	8K
Hot Rolled / Solution & Aging Treated	No.1
	No.3
	No.4
	6K
	8K

Note:
1. If you require different deliver state than the above listed, kindly confirm with us.
2. In case of any enquiry or order, please kindly let us know any extra requirement not indicated here.

FAQ

Q Are you a trading company or manufacturer?

A We are the manufacturer. We provide a variety of finish options for nickel alloy coils, you can choose BA finish, 2B finish, and No.4 finish according to your needs.
For your reference, all our complete nickel alloy coils can be divided into small coils of specified weight. Usually, the inner diameter of our nickel alloy coils is 150mm-510mm, and the outer diameter is 300mm-1200mm.

Q Can I cover nickel alloy coil with other film?

A Of course. We provide white and black film, blue film and transparent film for your choice.

Q What other sheet & plate products do you have?

A We also have nickel alloy sheet, nickel alloy plate and nickel alloy strip. You can check their pages for details.

Q Which countries do you export to?

A We have exported to more than 42 countries/regions, such as Japan, Mexico, South Korea, Germany, Russia, Australia, Vietnam, Thailand, etc.

Q How long is your delivery time?

A For regular orders, it takes about 65 days. If you need an unusual size, please confirm the delivery date with us separately.

Package

Film | Wooden Pallet | Brown Paper

At Rahul Ferrometal, all our nickel alloy coils are packaged in accordance with international standards to prevent any possible damage or loss. By default, we will wrap the entire nickel alloy coil with film and then place them on wooden pallets. Sometimes, according to customer requirements, we also use more beautiful packaging, such as brown paper. In addition, in order to meet more needs, we can also customize the packaging according to your requirements.

Logistics

By Sea | By Air

Sea transportation is the most popular for most orders, hence regarded as the default transportation mode. Accordingly, quotation is thus made as per FOB, CFR, CIF etc.. For urgent demand, we can also offer as per air transportation.

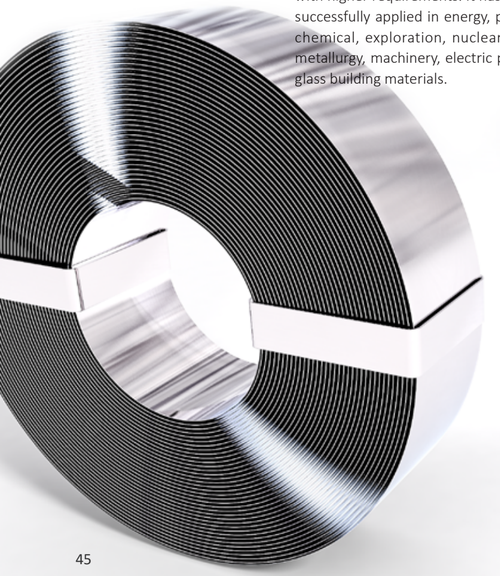
RAHUL FERROMETAL

Rahul Ferrometal

Nickel Alloy Strip

Applications

Combustion chambers of aerospace engines, flame tubes in afterburners, mounting edges, gas ducts, partitions, afterburner cylinders and other parts, as well as high temperature anti-oxidation and load-bearing components such as bellows for various purposes, the plate springs used in special environments, gas ducts, seals and other structural parts with higher requirements. It has also been successfully applied in energy, petroleum, chemical, exploration, nuclear industry, metallurgy, machinery, electric power and glass building materials.



Overview

As a leading Rahul Ferrometal supplier in China, Rahul Ferrometal manufactures and produces a wide range of nickel alloy strip for your choice. Nickel alloy strip, also called nickel alloy belt or nickel alloy strapping, is a kind of narrow and long nickel alloy material. Nickel alloy strip has excellent corrosion resistance, high temperature resistance and fatigue resistance, and it also has good flexibility. Nickel alloy strips are split from nickel alloy coils. Rahul Ferrometal uses high quality nickel alloy coils and advanced splitting technology to ensure accurate materials and precise dimensions. In addition, we can also provide round edge nickel alloy strips to meet your needs.

Rahul Ferrometal supplies different alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incoloy(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The thickness of our nickel alloy strip ranges from 0.05mm to 3mm. Customized size is also available.

Our products have higher quality and lower price. Our sales are more professional and responsible. Please don't hesitate to contact us!

Specifications

• Dimensions:
Thickness: 0.05mm - 3mm
Width: 5 - 200mm
*Customized size needs to be confirmed with us
• Delivery State: Soft, ¼ hard, ½ hard, ¾ hard, hard
• Finish: 2B, BA, frosting, Mirror Finished, 8K, Hair Line with PVC, checkered plates, titanium

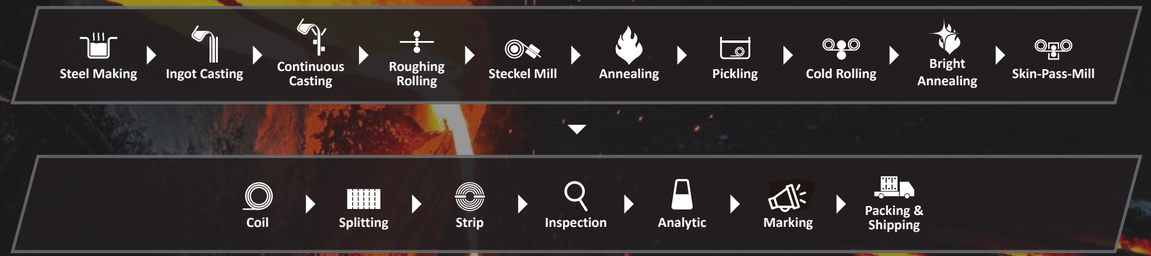
Standards

ASTM A240, ASTM A480, ASTM A693, ASTM B127, ASTM B162, ASTM B168, ASTM B333, ASTM B409, ASTM B424, ASTM B434, ASTM B435, ASTM B443, ASTM B463, ASTM B536, ASTM B575, ASTM B582, ASTM B599, ASTM B620, ASTM B625, ASTM B670, ASTM B688, ASTM B709, ASTM B718, ASTM B755, ASTM B688, ASTM B814, ASTM B818, ASTM B872, ASTM B906

Features

Excellent oxidation resistance, corrosion resistance, cold and thermal fatigue resistance, excellent heat and cold process (cupling, bending) performance and welding performance. It can be used in acid, alkali, and salt corrosive atmospheres, and can meet the requirements of -253 ℃ - 1300 ℃ high temperature, abrasion and other harsh environments.

Manufacturing Process



Drawing & Formula

Formula: m = A (m) × THK (mm) × L (m) × ρ (g/cm³)
A = Width, THK = Thickness, L = Length, ρ = Density

Tolerance in Thickness

ASTM B463, B536, B599, B625, B688, B709 and B718			
Specified Thickness, in. (mm)	Thickness Tolerances, for the Thickness and Widths Given, Over and Under, in. (mm)		
	Width, in. (mm)		
	3/16(4.76) to 6(152), incl	Over 6(152) to 12(305), incl	Over 12(305) to 24(610), excl
	Thickness Tolerances		
0.005(0.13) to 0.010(0.25), incl	10%	10%	10%
Over 0.010(0.25) to 0.011(0.28), incl	0.0015(0.04)	0.0015(0.04)	0.0015(0.04)
Over 0.011(0.28) to 0.013(0.33), incl	0.0015(0.04)	0.0015(0.04)	0.002(0.05)
Over 0.013(0.33) to 0.017(0.43), incl	0.0015(0.04)	0.002(0.05)	0.002(0.05)
Over 0.017(0.43) to 0.020(0.51), incl	0.0015(0.04)	0.002(0.05)	0.0025(0.06)
Over 0.020(0.51) to 0.029(0.74), incl	0.002(0.05)	0.0025(0.06)	0.0025(0.06)
Over 0.029(0.74) to 0.035(0.89), incl	0.002(0.05)	0.003(0.08)	0.003(0.08)
Over 0.035(0.89) to 0.050(1.27), incl	0.0025(0.06)	0.0035(0.09)	0.0035(0.09)
Over 0.050(1.27) to 0.069(1.75), incl	0.003(0.08)	0.0035(0.09)	0.0035(0.09)
Over 0.069(1.75) to 0.100(2.54), incl	0.003(0.08)	0.004(0.10)	0.005(0.13)
Over 0.100(2.54) to 0.125(2.98), incl	0.004(0.10)	0.0045(0.11)	0.005(0.13)
Over 0.125(2.98) to 0.161(4.09), incl	0.0045(0.11)	0.0045(0.11)	0.005(0.13)
Over 0.161(4.09) to under 3/16(4.76)	0.005(0.13)	0.005(0.13)	0.006(0.15)

ASTM B333, B434, B435, B575, B582, B620, B814 and B818		
Specified Thickness, in. (mm)	Permissible Variations in Thickness, in (mm) (All Widths)	
	+	-
0.020 to 0.034(0.51 to 0.86), incl	0.004(0.10)	0.004(0.10)
Over 0.034 to 0.056(0.86 to 1.42), incl	0.005(0.13)	0.005(0.13)
Over 0.056 to 0.070(1.42 to 1.78), incl	0.006(0.15)	0.006(0.15)
Over 0.070 to 0.078(1.78 to 1.98), incl	0.007(0.18)	0.007(0.18)
Over 0.078 to 0.093(1.98 to 2.36), incl	0.008(0.20)	0.008(0.20)
Over 0.093 to 0.109(2.36 to 2.77), incl	0.009(0.23)	0.009(0.23)
Over 0.109 to 0.125(2.77 to 3.18), incl	0.010(0.25)	0.010(0.25)
Over 0.125 to 0.140(3.18 to 3.56), incl	0.013(0.33)	0.010(0.25)
Over 0.140 to 0.171(3.56 to 4.34), incl	0.016(0.41)	0.010(0.25)
Over 0.171 to 0.187(4.34 to 4.75), incl	0.018(0.46)	0.010(0.25)

ASTM B127, B162, B168, B409, B424, B443, B670, B755 and B872				
Specified Thickness, in. (mm), incl	Hot-Rolled		Cold-Rolled	
	48(1220) and Under	Over 48 to 60(1220 to 1520), incl	48(1220) and Under	Over 48 to 60(1220 to 1520), incl
0.018 to 0.025(0.5 to 0.6)	0.003(0.08)	0.004(0.10)	0.002(0.05)	0.003(0.08)
Over 0.025 to 0.034(0.6 to 0.9)	0.004(0.10)	0.005(0.13)	0.003(0.08)	0.004(0.10)
Over 0.034 to 0.043(0.9 to 1.1)	0.005(0.13)	0.006(0.15)	0.004(0.10)	0.005(0.13)
Over 0.043 to 0.056(1.1 to 1.4)	0.005(0.13)	0.006(0.15)	0.004(0.10)	0.005(0.13)
Over 0.056 to 0.070(1.4 to 1.8)	0.006(0.15)	0.007(0.18)	0.005(0.13)	0.006(0.15)
Over 0.070 to 0.078(1.8 to 1.9)	0.007(0.18)	0.008(0.20)	0.006(0.15)	0.007(0.18)

Over 0.078 to 0.093(1.9 to 2.4)	0.008(0.20)	0.009(0.23)	0.007(0.18)	0.008(0.20)
Over 0.093 to 0.109(2.4 to 2.8)	0.009(0.23)	0.010(0.25)	0.007(0.18)	0.009(0.23)
Over 0.109 to 0.125(2.8 to 3.2)	0.010(0.25)	0.012(0.31)	0.008(0.20)	0.010(0.25)
Over 0.125 to 0.140(3.2 to 3.6)	0.012(0.31)	0.014(0.36)	0.008(0.20)	0.010(0.25)
Over 0.140 to 0.171(3.6 to 4.3)	0.014(0.36)	0.016(0.41)	0.009(0.23)	0.012(0.31)
Over 0.171 to 0.187(4.3 to 4.8)	0.015(0.38)	0.017(0.43)	0.010(0.25)	0.013(0.33)
Over 0.187 to 0.218(4.8 to 5.5)	0.017(0.43)	0.019(0.48)	0.011(0.28)	0.015(0.38)
Over 0.218 to 0.234(5.5 to 5.9)	0.018(0.46)	0.020(0.51)	0.012(0.31)	0.016(0.41)
Over 0.234 to 0.250(5.9 to 6.4)	0.020(0.51)	0.022(0.56)	0.013(0.33)	0.018(0.46)

Delivery State

Delivery State Choice	Surface Condition
Cold Rolled / Solution & Aging Treated	2B
	2D
	BA
	Hairline
	No.3
	No.4
	6K
	8K

Note:
1. If you require different deliver state than the above listed, kindly confirm with us.
2. In case of any enquiry or order, please kindly let us know any extra requirement not indicated here.

Tolerance in Width

ASTM B463, B536, B599, B625, B688, B709 and B718

Specified Edge No.	Width, in. (mm)	Thickness, in. (mm)	Width Tolerance for Thickness and Width Given, in. (mm)	
			Over	Under
1 and 5	9/32 (7.14) and under	1/16 (1.59) and under	0.005 (0.13)	0.005 (0.13)
1 and 5	over 9/32 (7.14) to 3/4 (19.05), incl	3/32 (2.38) and under	0.005 (0.13)	0.005 (0.13)
1 and 5	over 3/4 (19.05) to 5 (127), incl	1/8 (3.18) and under	0.005 (0.13)	0.005 (0.13)
5	over 5 (127.00) to 9 (228.60), incl	1/8 (3.18) to 0.008 (0.20), incl	0.010 (0.25)	0.010 (0.25)
5	over 9 (228.60) to 20 (508.00), incl	0.105 (2.67) to 0.015 (0.38)	0.010 (0.25)	0.010 (0.25)
5	over 20 (508.00)	0.080 (2.03) to 0.023 (0.58)	0.015 (0.38)	0.015 (0.38)

ASTM B333, B434, B435, B575, B582, B620, B814 and B818

Specified Thickness, in. (mm)	Specified Width, in. (mm)	Permissible Variations in Specified Width, in. (mm)	
		+	-
0.187(4.76) and under	2(50.8) and over	0.125(3.18)	0

ASTM B127, B162, B168, B409, B424, B443, B670, B755 and B872

Specified Thickness, in. (mm)	Specified Width, in. (mm)	Permissible Variations in Specified Width, in. (mm)	
		Plus	Minus
Up to 0.250(6.35)	All	0.125(3.18)	0

FAQ

Q What are the finishes of nickel alloy strips?

A We provide 2B, BA, frosting, Mirror Finished, 8K, Hair Line with PVC, checkered plates, titanium and other finishes to meet your different needs.

Q What is the edge of your nickel alloy strip?

A We provide nickel alloy strips with round edges, square edges and slit edges.

Q Can you provide free samples?

A Yes, if it is in stock, we can provide samples of nickel alloy strips for free, but the shipping costs need to be borne by you.

Q Can you provide straight nickel alloy strips?

A Yes, we have advanced straightening technology to process rolled nickel alloy strips into straight nickel alloy strips.

Q What are the finishes of nickel alloy strips?

A By default, we will wrap the nickel alloy strip in rolls in plastic bags and the straight nickel alloy strip in carton boxes. Sometimes, according to customer requirements, we also use stronger packaging such as wood reels or wooden pallets, which requires additional costs.

Package

Carton Box

Wood Reel

Plastic Bag

Wooden Pallet

At Rahul Ferrometal, all our nickel alloy strips are packaged in accordance with international standards to prevent any possible damage or loss. By default, we will wrap the nickel alloy strip in rolls in plastic bags and the straight nickel alloy strip in carton boxes. Sometimes, according to customer requirements, we also use stronger packaging such as wood reels or wooden pallets, which requires additional costs. In addition, in order to meet more needs, we can also customize the packaging according to your requirements.

Logistics

By Sea

By Air

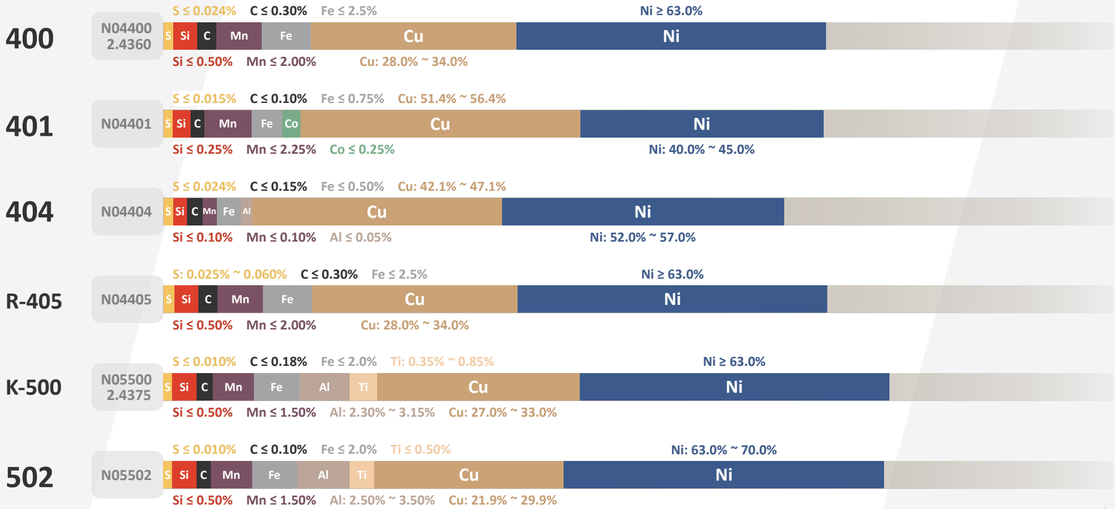
By default, we will quote based on sea transportation, such as FOB, CFR, CIF and the like for most enquiries or orders. Quotation based on air transportation is also optional upon your request for urgent demands.

RAHUL FERROMETAL

Rahul Ferrometal

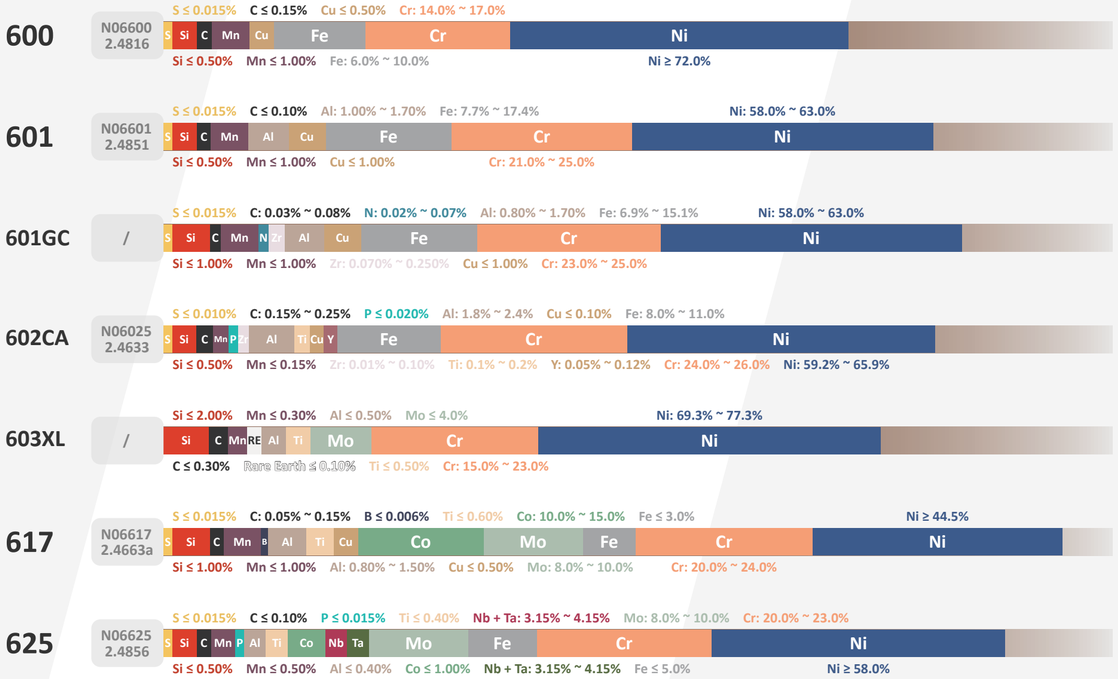
GRADES AVAILABLE

MONEL



GRADES AVAILABLE

INCONEL



INCONEL

625LCF
N06626
2.4856

S ≤ 0.015% C ≤ 0.03% P ≤ 0.015% Al ≤ 0.40% Co ≤ 1.00% Nb + Ta: 3.15% ~ 4.15% Fe ≤ 5.0% Ni ≥ 58.0%

Si ≤ 0.15% Mn ≤ 0.50% N ≤ 0.02% Ti ≤ 0.40% Nb + Ta: 3.15% ~ 4.15% Mo: 8.0% ~ 10.0% Cr: 20.0% ~ 23.0%

686
N06686
2.4606

S ≤ 0.020% C ≤ 0.01% P ≤ 0.040% W: 3.0% ~ 4.4% Fe ≤ 5.0% Ni: 49.5% ~ 62.9%

Si ≤ 0.08% Mn ≤ 0.75% Ti: 0.02% ~ 0.25% Mo: 15.0% ~ 17.0% Cr: 19.0% ~ 23.0%

690
N06690
2.4642

S ≤ 0.015% C ≤ 0.05% Cu ≤ 0.50% Cr: 27.0% ~ 31.0%

Si ≤ 0.50% Mn ≤ 0.50% Fe: 7.0% ~ 11.0% Ni ≥ 58.0%

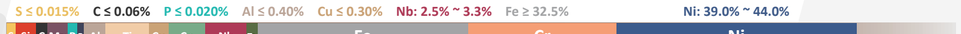
693
N06693

S ≤ 0.010% C ≤ 0.15% Al: 2.50% ~ 4.00% Cu ≤ 0.50% Fe: 2.5% ~ 6.0% Ni: 53.3% ~ 64.3%

Si ≤ 0.50% Mn ≤ 1.00% Ti ≤ 1.00% Nb: 0.50% ~ 2.50% Cr: 27.0% ~ 31.0%

706
N09706

S ≤ 0.015% C ≤ 0.06% P ≤ 0.020% Al ≤ 0.40% Cu ≤ 0.30% Nb: 2.5% ~ 3.3% Fe ≥ 32.5% Ni: 39.0% ~ 44.0%



Si ≤ 0.35% Mn ≤ 0.35% B ≤ 0.006% Ti: 1.50% ~ 2.00% Co ≤ 1.00% Ta ≤ 0.05% Cr: 14.5% ~ 17.5%

718
N07718
2.4668

S ≤ 0.015% C ≤ 0.08% P ≤ 0.015% Al: 0.20% ~ 0.80% Cu ≤ 0.30% Nb + Ta: 4.75% ~ 5.50% Mo: 2.80% ~ 3.30% Cr: 17.0% ~ 21.0%

Si ≤ 0.35% Mn ≤ 0.35% B ≤ 0.006% Ti: 0.65% ~ 1.15% Co ≤ 1.00% Nb + Ta: 4.75% ~ 5.50% Fe: 11.1% ~ 22.5% Ni: 50.0% ~ 55.0%

718SPF
N07719

S ≤ 0.002% C ≤ 0.05% P ≤ 0.015% N ≤ 0.01% Ti: 0.65% ~ 1.15% Co ≤ 1.00% Ta ≤ 0.05% Fe ≥ 11.4% Ni: 50.0% ~ 55.0%

Si ≤ 0.35% Mn ≤ 0.35% B ≤ 0.006% Al: 0.20% ~ 0.80% Cu ≤ 0.30% Nb: 4.75% ~ 5.25% Mo: 2.80% ~ 3.30% Cr: 17.0% ~ 21.0%

GRADES AVAILABLE

INCONEL

725
N07725

S ≤ 0.010% C ≤ 0.03% P ≤ 0.015% Ti: 1.00% ~ 1.70% Mo: 7.0% ~ 9.5% Cr: 19.0% ~ 22.5%

Si ≤ 0.20% Mn ≤ 0.35% Al ≤ 0.35% Nb: 2.75% ~ 4.00% Fe: 2.3% ~ 14.3% Ni: 55.0% ~ 59.0%

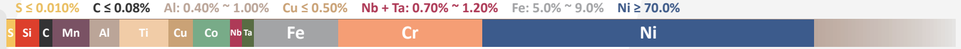
740H
N07740

S ≤ 0.030% C: 0.005% ~ 0.08% P ≤ 0.030% Al: 0.20% ~ 2.00% Cu ≤ 0.50% Nb + Ta: 0.50% ~ 2.50% Mo ≤ 2.0% Cr: 23.5% ~ 25.5%

Si ≤ 1.00% Mn ≤ 1.00% B: 0.0006% ~ 0.0060% Ti: 0.50% ~ 2.50% Co: 15.0% ~ 22.0% Nb + Ta: 0.50% ~ 2.50% Fe ≤ 3.00% Ni ≥ 37.9%

X-750
N07750
2.4669

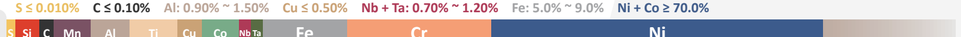
S ≤ 0.010% C ≤ 0.08% Al: 0.40% ~ 1.00% Cu ≤ 0.50% Nb + Ta: 0.70% ~ 1.20% Fe: 5.0% ~ 9.0% Ni ≥ 70.0%



Si ≤ 0.50% Mn ≤ 1.00% Ti: 2.25% ~ 2.75% Co ≤ 1.00% Nb + Ta: 0.70% ~ 1.20% Cr: 14.0% ~ 17.0%

751
N07751

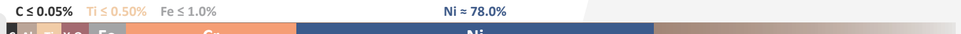
S ≤ 0.010% C ≤ 0.10% Al: 0.90% ~ 1.50% Cu ≤ 0.50% Nb + Ta: 0.70% ~ 1.20% Fe: 5.0% ~ 9.0% Ni + Co ≥ 70.0%



Si ≤ 0.50% Mn ≤ 1.00% Ti: 2.00% ~ 2.60% Ni + Co ≥ 70.0% Nb + Ta: 0.70% ~ 1.20% Cr: 14.0% ~ 17.0%

MA754
N07754

C ≤ 0.05% Ti ≤ 0.50% Fe ≤ 1.0% Ni ≈ 78.0%



Al ≤ 0.30% Y_2O_3 ≈ 0.60% Cr ≈ 20.0%

MA758
/

C ≤ 0.05% Ti ≤ 0.50% Fe ≤ 1.0% Ni ≈ 67.6%

Al ≤ 0.30% Y_2O_3 ≈ 0.60% Cr ≈ 30.0%

783
R30783

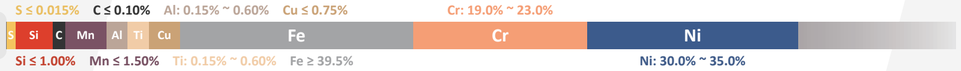
S ≤ 0.005% C ≤ 0.03% P ≤ 0.015% Al: 5.00% ~ 6.00% Cu ≤ 0.50% Nb: 2.50% ~ 3.50% Fe: 24.0% ~ 27.0% Ni: 26.0% ~ 30.0%

Si ≤ 0.50% Mn ≤ 0.50% B: 0.003% ~ 0.012% Ti ≤ 0.40% Co ≥ 28.0% Ta ≤ 0.05% Cr: 2.5% ~ 3.5%

INCOLOY

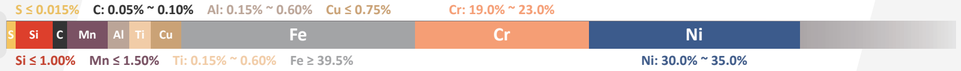
800

N08800
1.4876



800H

N08810
1.4958

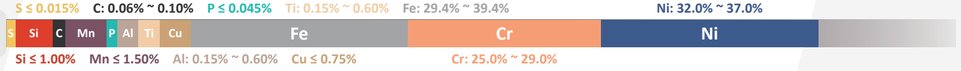


800HT

N08811

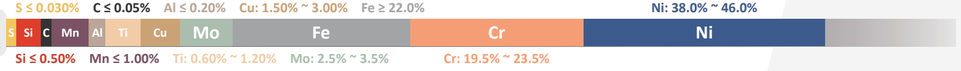
803

S35045



825

N08825
2.4858



832

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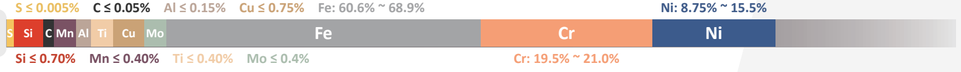


GRADES AVAILABLE

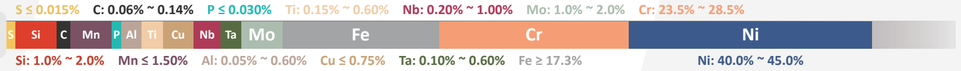
INCOLOY

864

S35135

890

N08890

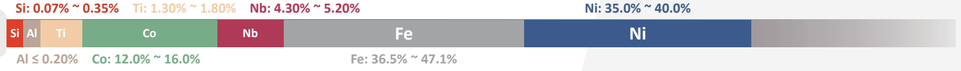


903

N19903

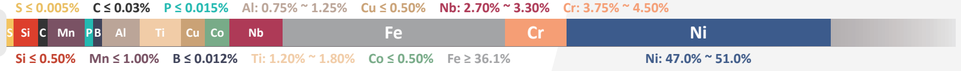
907

N19907



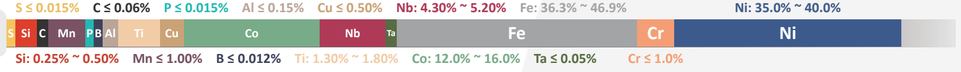
908

N09908



909

N19909



INCOLOY

925

N09925

S ≤ 0.030% | C ≤ 0.03% | P ≤ 0.030% | Ti: 1.90% ~ 2.40% | Nb ≤ 0.50% | Fe ≥ 22.0% | Ni: 42.0% ~ 46.0%

Si ≤ 0.50% | Mn ≤ 1.00% | Al: 0.10% ~ 0.50% | Cu: 1.50% ~ 3.00% | Mo: 2.50% ~ 3.50% | Cr: 19.5% ~ 22.5%

926

N08926
1.4529

S ≤ 0.010% | C ≤ 0.02% | P ≤ 0.030% | Cu: 0.50% ~ 1.50% | Fe: 41.7% ~ 47.8% | Ni: 24.0% ~ 26.0%

Si ≤ 0.50% | Mn ≤ 2.00% | N: 0.15% ~ 0.25% | Mo: 6.0% ~ 7.0% | Cr: 19.0% ~ 21.0%

945

N09945

S ≤ 0.030% | C: 0.005% ~ 0.040% | P ≤ 0.030% | Ti: 0.50% ~ 2.50% | Nb: 2.50% ~ 4.50% | Fe: 5.7% ~ 28.0% | Ni: 45.0% ~ 55.0%

Si ≤ 0.50% | Mn ≤ 1.00% | Al: 0.01% ~ 0.70% | Cu: 1.50% ~ 3.00% | Mo: 3.0% ~ 4.0% | Cr: 19.5% ~ 23.0%

945X

N09946

S ≤ 0.030% | C: 0.005% ~ 0.030% | P ≤ 0.030% | Ti: 0.50% ~ 2.50% | Nb: 3.50% ~ 4.50% | Fe: 6.2% ~ 20.4% | Ni: 50.0% ~ 55.0%

Si ≤ 0.50% | Mn ≤ 1.00% | Al: 0.01% ~ 0.70% | Cu: 1.50% ~ 3.00% | Mo: 3.0% ~ 4.0% | Cr: 19.5% ~ 22.5%

MA956

S67956

C ≤ 0.10% | P ≤ 0.020% | Ti: 0.20% ~ 0.60% | Y_2O_3: 0.3% ~ 0.70% | Fe: 70.1% ~ 75.9% | Ni ≤ 0.5%

Mn ≤ 0.30% | Al: 3.75% ~ 5.75% | Cu ≤ 0.15% | Co ≤ 0.30% | Cr: 18.5% ~ 21.5%

A-286

S66286
1.4980

S ≤ 0.030% | C ≤ 0.08% | P ≤ 0.040% | Al ≤ 0.35% | V: 0.10% ~ 0.50% | Fe: 49.1% ~ 56.0% | Ni: 24.0% ~ 27.0%

Si ≤ 1.00% | Mn ≤ 2.00% | B: 0.001% ~ 0.010% | Ti: 1.90% ~ 2.35% | Mo: 1.00% ~ 1.50% | Cr: 13.5% ~ 16.0%

GRADES AVAILABLE

INCOLOY

020

N08020
2.4660

S ≤ 0.035% | C ≤ 0.07% | P ≤ 0.045% | Nb + Ta: 8*C% ~ 1.00% | Mo: 2.0% ~ 3.0% | Cr: 19.0% ~ 21.0%

Si ≤ 1.00% | Mn ≤ 2.00% | Cu: 3.00% ~ 4.00% | Nb + Ta: 8*C% ~ 1.00% | Fe: 29.9% ~ 44.0% | Ni: 32.0% ~ 38.0%

028

N08028
1.4563

S ≤ 0.030% | C ≤ 0.03% | P ≤ 0.030% | Mo: 3.0% ~ 4.0% | Cr: 26.0% ~ 28.0%

Si ≤ 1.00% | Mn ≤ 2.50% | Cu: 0.60% ~ 1.40% | Fe: 29.0% ~ 36.8% | Ni: 30.0% ~ 34.0%

DS

1.4862

S ≤ 0.030% | C ≤ 0.10% | Ti ≤ 0.20% | Ni + Co: 34.5% ~ 41.0% | Cr: 17.0% ~ 19.0%

Si: 1.90% ~ 2.60% | Mn: 0.80% ~ 1.50% | Cu ≤ 0.50% | Fe: 35.1% ~ 45.0% | Ni + Co: 34.5% ~ 41.0%

330

N08330
1.4886

S ≤ 0.030% | C ≤ 0.08% | P ≤ 0.030% | Fe: 39.4% ~ 46.1% | Ni: 34.0% ~ 37.0%

Si: 0.75% ~ 1.50% | Mn ≤ 2.00% | Cu ≤ 1.00% | Cr: 17.0% ~ 20.0%

25-6HN

N08367

S ≤ 0.030% | C ≤ 0.03% | P ≤ 0.040% | Cu ≤ 0.75% | Fe: 41.4% ~ 50.3% | Ni: 23.5% ~ 25.5%

Si ≤ 1.00% | Mn ≤ 2.00% | N: 0.18% ~ 0.25% | Mo: 6.0% ~ 7.0% | Cr: 20.0% ~ 22.0%

27-7MO

S31277

S ≤ 0.010% | C ≤ 0.02% | P ≤ 0.030% | Cu: 0.50% ~ 1.50% | Fe: 35.5% ~ 42.6% | Ni: 26.0% ~ 28.0%

Si ≤ 0.50% | Mn ≤ 3.00% | N: 0.30% ~ 0.40% | Mo: 6.5% ~ 8.0% | Cr: 20.5% ~ 23.0%

HASTELLOY

B

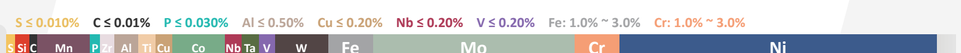
N10001

B-2

N10665
2.4617

B-3

N10675
2.4600



C

/

C-4

N06455
2.4610

C-22

N06022
2.4602

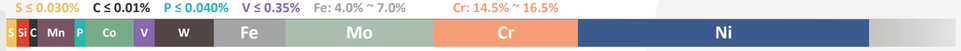
HASTELLOY

C-22HS

N07022

C-276

N10276
2.4819



C-2000

N06200
2.4675

G-3

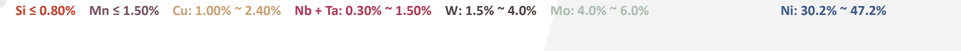
N06985

G-30

N06030
2.4603

G-35

N06035



GRADES AVAILABLE

HASTELLOY

N

N10003

S ≤ 0.020% C: 0.04% ~ 0.08% P ≤ 0.015% Al + Ti ≤ 0.50% Cu ≤ 0.35% V ≤ 0.50% Fe ≤ 5.0% Cr: 6.0% ~ 8.0%

Si ≤ 1.00% Mn ≤ 1.00% B ≤ 0.010% Al + Ti ≤ 0.50% Co ≤ 0.20% W ≤ 0.5% Mo: 15.0% ~ 18.0% Ni: 64.9% ~ 78.9%

S

N06635

Si ≈ 0.40% Mn ≤ 0.50% Al ≤ 0.25% W ≤ 1.0% Fe ≤ 3.0% Cr ≈ 16.0%

C ≤ 0.02% B ≤ 0.015% Co ≤ 2.00% La ≈ 0.020% Mo ≈ 15.0% Ni ≥ 67.0%

W

N10004

S ≤ 0.030% C ≤ 0.12% P ≤ 0.040% V ≤ 0.60% Fe: 4.0% ~ 7.0% Cr: 4.0% ~ 6.0%

Si ≤ 1.00% Mn ≤ 1.00% Co ≤ 2.50% W ≤ 1.0% Mo: 23.0% ~ 26.0% Ni: 55.8% ~ 69.0%

X

N06002
2.4665

S ≤ 0.030% C: 0.05% ~ 0.15% P ≤ 0.040% Al ≤ 0.50% Co: 0.50% ~ 2.50% W: 0.2% ~ 1.0% Mo: 8.0% ~ 10.0% Ni: 41.3% ~ 53.7%

Si ≤ 1.00% Mn ≤ 1.00% B ≤ 0.008% Ti ≤ 0.15% Nb ≤ 0.50% Fe: 17.0% ~ 20.0% Cr: 20.5% ~ 23.0%

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