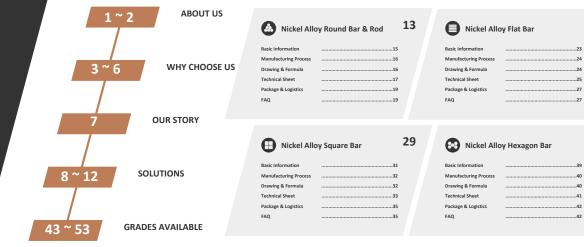




MONEL • INCONEL • INCOLOY • HASTELLOY •

> Round Bar & Rod Flat Bar Square Bar Hexagon Bar

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Mission

Vision

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

Values

Product is the core of everything. We hope that all of our customers will feel at absolute ease using our products, while the product guality 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 usine 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. As a professional manufacturer of nickel alloys in India, 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, purenickel 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

3



US



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.



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

Huge Inventory





Complete Process

We will not skip over production anv 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.







This cannot be material selection.





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











transportation

safety.

Strong Packing







OUR STORY

Metal Experience

Rahul Ferrometal has its predecessor specialize in stainless steel products. At 1989, our first company Clivmats was founded, Since then we have put into 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 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 this 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, Rabul Ferrometal has become a mature nickel allov 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.

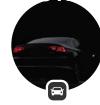
For now, our products have been manufactured and distributed to worldwide. We've built mutual trusts with customers from Asia, Europe, America, Africa, and Oceania. We regard your repeat orders as recognition on our product. Meanwhile, we will live up to your

trust and expectations, marching further to the international market. We grow with you. SOLUTIONS

SOLUTIONS

- Nickel Alloy Applications





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 solid 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, nozzles & etc. Rahul Ferrometal produces high- performance nickel alloys to meet these needs.

Chemical Processing

INCONFL MONEL 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 of highperformance 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 nickelchromium alloys or nickel-chromiumiron alloys (such as INCONEL and INCOLOY). Rahul Ferrometal specializes in providing high-quality nickelchromium alloy products for resistance furnace components.

Electric & Telecom

MONEL INCONFL

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.



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, we provide 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.







MONEL INCONEL INCOLOY HASTELLOY

The oil is excavated from thousands of meters deap 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 high- performance nickel alloy raw materials with excellent high-temperature corrosion resistance and high-temperature seres resistance. After being processed into casing and mandrel for drilling, it can be fully qualified for the oil exploitation environment.

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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 dissel) 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 bigh temperatures and resistant to various forms of corrosion. The nickel alow materials produced by Rahul Ferrometal are perfectly qualified for this inh.



INCONEL
INCOLOY
HASTELLOY

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



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 generation methods of superalloys. In addition to the extrem 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
INCOLC
HASTELLOY

Different metal heat treatment requires different heat treatment time, This requires 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 finetuned to ensure the performance of the weld. In addition, we also provide filler metals and welding electrodes of world-renowme brands (such as Special Metals, Haynes, VDM, etc.) for you to choose from.







Nickel Alloy Round Bar & Rod

Standards

ASTM A484, ASTM A484M, ASTM A638, ASTM A638M, ASTM BI160, ASTM B164, ASTM B166, ASTM B335, ASTM B408, ASTM B425. ASTM B446. ASTM B472, ASTM B473, ASTM B511, ASTM B512, ASTM B572, ASTM B573, ASTM B574, ASTM B581, ASTM B637, ASTM B649, ASTM B691, ASTM B805

Overview

meet your needs.

Rahul

available.

As a leading nickel alloy bars & rods

scale. We will further cold-draw it

to a suitable size. At this time, it

will have a smooth finish. If you need us to polish or grind the nickel allov round bar & rod, we can also

supplier in India, Rahul Ferrometal produces and manufactures costeffective nickel alloy round bar & rod. Nickel alloy round bar & rod is a kind of nickel allov bar with a circular cross section. Because this product form is suitable for many applications, it is the most basic and popular product among our bar & rod products. Nickel alloy round bar & rod is manufactured by hot rolling the nickel alloy ingot, which causes it to form a black oxide

Specification

•Outside Diameter: Φ4 - Φ300mm Delivery State: Cold Drawn, Hot Rolled, Forged. Grinding, Centerless Grinding Finish: Bright, Polishing, Mirror, Hairline, Pickled, Peeled, Black Hot-selling Products: a. Nickel Alloy Black Bar b. Nickel Allov Bright Bar c. Nickel Alloy Hot Rolled Round Bar d. Nickel Allov Forged Bar

Features

Outstanding high temperature resistance and corrosion resistance, bright surface. excellent straightness.

Applications

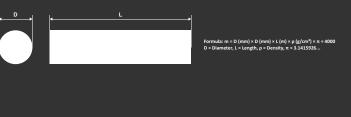
1. Ore calciner Ferrometal supplies 2. Heat treatment retort furnace, muffle different nickel alloy grades: furnace. fixture and basket Monel(400, 401, K-500, etc), 3. Chemical vapor deposition bell furnace Inconel(600, 601, 625, 718, etc). 4. Vacuum furnace fixture Incolov(800, 825, A-286, etc) and 5. Ammonia oxidation furnace catalytic Hastelloy(B-2, C-22, C-276, etc). net support grid The diameter of our nickel alloy 6. High temperature processing round bar & rod ranges from 4 to equipment for molten glass 300mm. Customized size is also 7. Radiant tube 8. Petrochemical converter

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

Manufacturing Process



Drawing & Formula





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	Cold	Drawn	
Specified Dimension	in (mm)	Permissible Variations	from Specified Size, in. (mm)
Specified Dimension, in. (mm)		Over	Under
Over 1/2(12.70) to 1(2	!5.40), excl	0.002(0.05)	0.002(0.05)
1(25.40) to 3/2(38.	10), incl	0.0025(0.06)	0.0025(0.06)
3/2(38.10) to 4(101	.60), incl	0.003(0.08)	0.003(0.08)
	Hot I	Rolled	
	Permissible Variations fro	om Specified Size, in. (mm)	
	Over	Under	Out-of-Round in. (mm)
Over 5/16(7.94) to 7/16(11.11), incl	0.006(0.15)	0.006(0.15)	0.009(0.23)
Over 7/16(11.11) to 5/8(15.88), incl	0.007(0.18)	0.007(0.18)	0.010(0.25)
Over 5/8(15.88) to 7/8(22.22), incl	0.008(0.20)	0.008(0.20)	0.012(0.30)
Over 7/8(22.22) to 1(25.40), incl	0.009(0.23)	0.009(0.23)	0.013(0.33)
Over 1(25.40) to 9/8(28.58), incl	0.010(0.25)	0.010(0.25)	0.015(0.38)
Over 9/8(28.58) to 5/4(31.75), incl	0.011(0.28)	0.011(0.28)	0.016(0.41)
Over 5/4(31.75) to 11/8(34.92), incl	0.012(0.30)	0.012(0.30)	0.018(0.46)
Over 11/8(34.92) to 3/2(38.10), incl	0.014(0.36)	0.014(0.36)	0.021(0.53)

-

Over 3/2(38.10) to 2(50.80), incl	1/64(0.40)	1/64(0.40)	0.023(0.58)
Over 2(50.80) to 2 1/2(63.50), incl	1/32(0.79)	0	0.023(0.58)
Over 2 1/2(63.50) to 3 1/2(88.90), incl	3/64(1.19)	0	0.035(0.89)
Over 3 1/2(88.90) to 4 1/2(114.30), incl	1/16(1.59)	0	0.046(1.17)
Over 4 1/2(114.30) to 5 1/2(139.70), incl	5/64(1.98)	0	0.058(1.47)
Over 5 1/2(139.70) to 6 1/2(165.10), incl	1/8(3.18)	0	0.070(1.78)
Over 6 1/2(165.10) to 8(203.20), incl	5/32(3.97)	0	0.085(2.18)

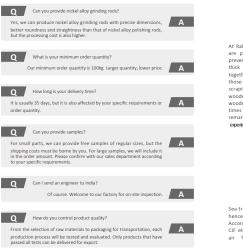
Delivery State

Delivery State Choice	Surface Condition
Forged / Solution & Aging Treated	Black
Forged / Solution & Aging Treated	Polished
	Black
	Polished
Hot Rolled / Solution & Aging Treated	Bright
	Pickled
	Polished
Cold Drawn / Solution & Aging Treated	Bright
	Note:

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



FAQ



Package



Plastic Bag Wooden Case

At Rahul Ferrometal, our nickel alloy round bar & rod are packed tighty as per international standard to prevent any possible damage. By default we will use thick woven plastic bags to bundle several pieces together (always one bundle stJOOKSs). However, for those tube pipes that are susceptible to dirt pollution, scraping, stress or man-handling damages, we suggest wooden case for protection. Please be kindly noted that wooden case for protection. Please be kindly noted that times can increase the freight, which is especially remarkable for air transportation. For enhanced user **experime.weakspreputespreputements**.

Logistics



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





Standards

ASTM A484, ASTM A484M, ASTM A638, ASTM A638M ASTM B160 ASTM B164 ASTM B166 ASTM B408 ASTM 425 ASTM B44 6, ASTM B472, ASTM [473. ASTM B511 ASTM B512 ASTM B649 ASTM B691, ASTM B805

Overview

As a Chinese leading nickel alloy bars & rods supplier, Rahul Ferrometal produces and manufactures costeffective nickel alloy flat bar. Nickel allov flat bar is a nickel allov bar with a rectangular cross-section. It has excellent corrosion resistance and high temperature resistance, and can work continuously in special environments. Depending on the size and requirements, nickel alloy flat bar can be cold drawn from nickel alloy billet or nickel alloy round bar, or it can be cut from nickel alloy plate or nickel alloy strip. In surface treatment, we can provide pickling finish, sand blasted finish and polished finish for your choice

Rahul Ferrometal supplies different nickel alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incolov(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The thickness of our nickel alloy flat bar ranges from 0.5mm to 200mm. The width of our nickel allov flat bar ranges from 1.5mm to 250mm. 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

 Dimension: Thickness: 0.5mm -200mm Width: 1.5mm - 250mm · Delivery State: Cold Drawn, Hot Rolled, Elat Bar Cut from Strip or Plates, Grinding, Forged, Centerless Grinding · Finish: Pickled, Bright, Polishing, Mirror, Hairline Hot-selling Products: a. Nickel Allov Hot Rolled Flat Bar b. Nickel Allov Pickeld Flat Bar c. Nickel Alloy Cold Drawn Flat Bar d. Nickel Alloy Polished Flat Bar

Features

Outstanding high temperature resistance and corrosion resistance, bright surface, excellent straightness.

Applications

1. Ore calciner 2. Heat treatment retort furnace, muffle furnace, fixture and basket 3. Chemical vapor deposition bell furnace 4. Vacuum furnace fixture 5. Ammonia oxidation furnace catalytic net support grid 6. High temperature processing equipment for molten glass 7. Radiant tube 8 Petrochemical converter

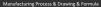
Manufacturing Process



Drawing & Formula



Formula: m = A (mm) × THK (mm) × L (m) × p (g/cm³) + 1000 A = Side width, THK = Thickness, L = Length, o = Density



			Cold Drawn			
	ified Dimension, in. (m		Р	ermissible Variations fro	om Specified Size, in. (m	m)
Spec	ified Dimension, in. (m	im)	0	ver	Under	
Over	1/2(12.70) to 1(25.40),	incl	0		0.004	(0.10)
Over	r 1(25.40) to 2(50.80), i	ncl		D	0.006	i(0.15)
Over	r 2(50.80) to 3(76.20), i	ncl		D	0.008	(0.20)
	Over 3(76.20))	0.010	(0.25)
			Hot Rolled			
		Permissil	ole Variations in Thickne	ss for Thicknesses Given	ı, in. (mm)	
Specified Width, in. (mm)	1/8(3.18) to 1	/2(12.70), incl	Over 1/2(12.70)	to 1(25.40), incl	Over 1(25.40)	to 2(50.80), incl
() _	Over	Under	Over	Under	Over	Under
To 1(25.40), incl	0.008(0.20)	0.008(0.20)	0.010(0.25)	0.010(0.25)		
Over 1(25.40) to 2(50.80), incl	0.012(0.30)	0.012(0.30)	0.015(0.38)	0.015(0.38)	0.031(0.79)	0.031(0.79)
Over 2(50.80) to 4(101.60), incl	0.015(0.38)	0.015(0.38)	0.020(0.51)	0.020(0.51)	0.031(0.79)	0.031(0.79)
Over 4(101.60) to 6(152.40), incl	0.015(0.38)	0.015(0.38)	0.020(0.51)	0.020(0.51)	0.031(0.79)	0.031(0.79)
Over 6(152.40) to 8(203.20), incl	0.016(0.41)	0.016(0.41)	0.025(0.64)	0.025(0.64)	0.031(0.79)	0.031(0.79)
Over 8(203.20) to 10(254.00), incl	0.021(0.53)	0.021(0.53)	0.031(0.79)	0.031(0.79)	0.031(0.79)	0.031(0.79)
Over 2(50.80) to 4(101.60), incl		Over 4(101.60) to 6(152.40), incl		Over 6(152.40) to 8(203.20), incl		
	Uðder		Over	Under	Over	Under
To 1(25.40), incl						
Over 1(25.40) to 2(50.80), incl						

Toloranco

Over 2(50.80) to 4(101.60), incl	0.062(1.57)	0.031(0.79)				
Over 4(101.60) to 6(152.40), incl	0.062(1.57)	0.031(0.79)	0.093(2.36)	0.062(1.57)		
Over 6(152.40) to 8(203.20), incl	0.062(1.57)	0.031(0.79)	0.093(2.36)	0.062(1.57)	0.125(3.18)	0.156(3.96)
Over 8(203.20) to 10(254.00), incl	0.062(1.57)	0.031(0.79)	0.093(2.36)	0.062(1.57)	0.125(3.18)	W0.156(3.96)
				Permissible Variatio	ns in Width, in. (mm)	
Specified Width, in. (mm)		0	ver	Ur	ider	
To 1(25.40), incl		0.015	i(0.38)	0.01	5(0.38)	
Ove	r 1(25.40) to 2(50.80), i	25.40) to 2(50.80), incl		.(0.79)	0.03	1(0.79)
Over 2(50.80) to 4(101.60), incl		0.062(1.57)		0.031(0.79)		
Over	4(101.60) to 6(152.40),	incl	0.093	0.093(2.36)		2(1.57)
Over	6(152.40) to 8(203.20),	incl	0.125	i(3.18)	0.15	5(3.96)
OverS	3(203.20) to 10(254.00)	incl	0.156	(3.96)	0.18	7(4.75)

Delivery State

Delivery State Choice	Surface Condition
Hot Rolled / Solution & Aging Treated	Pickled
Hot Rolled / Solution & Aging Heated	Sand Blasted
Cold Drawn / Solution & Aging Treated	Polished
Cold Drawn / Solution & Aging Treated	Bright
N	lote:

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 polish nickel alloy flat bar to hairline finish?	
Yes, we can polish nickel alloy flat bar to 180#, 320# and hairline finish for	A
your different choice.	
Q What is your minimum order quantity?	
Our minimum order quantity is 200kg. Larger quantity, lower price.	A
Q How long is your delivery time?	
It is usually 45 days, but it is also affected by your specific requirements or	A
order quantity.	
Q Can you provide samples?	
For small parts, we can provide free samples of regular sizes, but the	A
shipping costs must be borne by you. For large samples, we will include it in the order amount. Please confirm with our sales department according to your specific requirements.	
to your specific requirements.	
Q Can I send an engineer to India?	
Of course. Welcome to our factory for on-site inspection.	A



From the selection of raw materials to packaging for transportation, each production process will be tested and evaluated. Only products that have passed all tests can be delivered for exort.

Package



Plastic Bag Wooden Case

.T.T.

At Rahul Ferrometal, our nickel alloy flat bar are packed tighty as per international standard to prevent any possible damage. By default we will use thick woven plastic bags to bundle several pieces together (always one bundle st300KGs). However, for those tube pipes that are susceptible to dirt pollution, scraping, stress or man-handing damages, we suggest wooden case for protection. Piease be kindly noted that wooden case can uncur extra cost by its own, and at times can increase the freight, which is especially remarkable for air transportation. For enhanced user experience, we will pack as per your diverged requirements.

Logistics



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





Standards

ASTM A6348M, ASTM B160, ASTM B164, ASTM B166, ASTM B408, ASTM Ferrometal produces and B425, ASTM B446, ASTM B472, ASTM manufactures Cost-effective B473,ASTM B511, ASTM B512, ASTM nickel alloy square bar, Nickel B649, ASTM B691, ASTM B805

Overview ASTM A484, ASTM A84M, ASTM A638 As a Chinese leading nickel alloy materials supplier, Rahul alloy square bar is nickel alloy bars with square section. Due to

> adaptability, it is also one of the most common nickel alloy bars. Nickel allov square bar has excellent corrosion resistance and high temperature resistance, and can work well in most environments. Depending on the manufacturing process and size, nickel alloy square bars can be hot-rolled from nickel alloy billet or cold-drawn from nickel alloy round bar & rod. We provide nickel allov square bars with polished, 1. Ore calciner pickled and sandblasted finish 2. Heat treatment retort furnace, muffle for your choice

Rahul Ferrometal supplies different nickel alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incolov(800, 825, A-286, etc) and Hastelloy(B-2, C-22, C-276, etc). The width of our nickel alloy square bar ranges from 2mm to 200mm Customized size is also available

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

Dimension

Thickness: 0.5mm - 200mm Width: 1.5mm - 250mm •Delivery State: Cold Drawn, Hot Rolled, Flat Bar Cut From Strip or Plates, Grinding, Forged, Centerless Grinding Finish: Pickled .Bright. Polishing. Mirror. Hairline the high degree of shape • Hot-selling Products: a. Hot Rolled Nickel Allov Square Bar b. Pickled Nickel Alloy Square Bar

c. Cold Drawn Nickel Alloy Square Bar

Features

Outstanding high temperature resistance and corrosion resistance, bright surface. excellent straightness.

Applications

furnace fixture and basket 3 Chemical vapor deposition hell furnace 4. Vacuum furnace fixture 5 Ammonia oxidation furnace catalytic net sunnort grid 6. High temperature processing equipment for molten glass 7. Radiant tube 8. Petrochemical converter

Basic Information

Manufacturing Process



Drawing & Formula



Manufacturing Process & Drawing & Formula

	Cold I	Drawn	
Specified Dimension	in (mm)	Permissible Variations	from Specified Size, in. (mm)
specified Dimension	, in. (mm)	Over	Under
Over 1/2(12.70) to 1(25.40), incl	0	0.004(0.10)
Over 1(25.40) to 2(5	0.80), incl	0	0.006(0.15)
Over 2(50.80) to 3(7	5.20), incl	0	0.008(0.20)
Over 3(76.20)		0	0.010(0.25)
	Hot F	Rolled	
	Permissible Variations fro	om Specified Size, in. (mm)	— Out-of-Square in. (mm)
	Over	Under	
Over 5/16(7.94) to 7/16(11.11), incl	0.006(0.15)	0.006(0.15)	0.009(0.23)
Over 7/16(11.11) to 5/8(15.88), incl	0.007(0.18)	0.007(0.18)	0.010(0.25)
Over 5/8(15.88) to 7/8(22.22), incl	0.008(0.20)	0.008(0.20)	0.012(0.30)
Over 7/8(22.22) to 1(25.40), incl	0.009(0.23)	0.009(0.23)	0.013(0.33)
Over 1(25.40) to 9/8(28.58), incl	0.010(0.25)	0.010(0.25)	0.015(0.38)
Over 9/8(28.58) to 5/4(31.75), incl	0.011(0.28)	0.011(0.28)	0.016(0.41)
Over 5/4(31.75) to 11/8(34.92), incl	0.012(0.30)	0.012(0.30)	0.018(0.46)

Sizo Dango

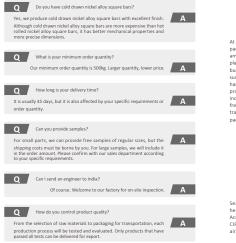
Over 11/8(34.92) to 3/2(38.10), incl	0.014(0.36)	0.014(0.36)	0.021(0.53)
Over 3/2(38.10) to 2(50.80), incl	1/64(0.40)	1/64(0.40)	0.023(0.58)
Over 2(50.80) to 2 1/2(63.50), incl	1/32(0.79)	0	0.023(0.58)
Over 2 1/2(63.50) to 3 1/2(88.90), incl	3/64(1.19)	0	0.035(0.89)
Over 3 1/2(88.90) to 4 1/2(114.30), incl	1/16(1.59)	0	0.046(1.17)
Over 4 1/2(114.30) to 5 1/2(139.70), incl	5/64(1.98)	0	0.058(1.47)
Over 5 1/2(139.70) to 6 1/2(165.10), incl	1/8(3.18)	0	0.070(1.78)
Over 6 1/2(165.10) to 8(203.20), incl	5/32(3.97)	0	0.085(2.18)

Delivery State

Delivery State Choice	Surface Condition	
Hot Rolled / Solution & Aging Treated	Pickled	
Hot Kolled / Solution & Aging Treated	Sand Blasted	
Cold Drawn / Solution & Aging Treated	Polished	
Cold Drawn / Solution & Aging Treated	Bright	

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.





Package



Plastic Bag Wooden Case

At Rahul Ferrometal, our nickel alloy square bar are packed tighty as per international standard to prevent any possible damage. By default we will use thick woven plastic bags to bundle servaria pieces together (always on bundle s15000KS). However, for those tube pipes that are susceptible to dirt pollution, scraping, stress or manhandling damages, we suggest wooden case for protection. Please be kindly noted that wooden case can incur extra cost by its own, and at times can increase the freight, which is especially remarkable for air transportation. For enhanced user experience, we will pack as per your diverged requirements.

Logistics



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







Nickel Alloy Hexagon Bar



Overview As a leading nickel alloy bars supplier in India. Rahul Ferrometal manufactures and produces nickel alloy hexagon bars of various sizes. Nickel alloy hexagon bar(hex bar. hexagonal bar) is a nickel alloy bar with a hexagon cross-section. It has good corrosion resistance and high temperature resistance, as well as good workability. Since it can be used as the raw material for many nickel alloy fasteners (such as nickel alloy screws, nickel alloy nuts, etc.), it is also one of our most popular nickel alloy bar products. We can provide hot- rolled, cold-drawn or forged nickel alloy hexagon bars. The common finish of nickel alloy hexagon bar is polished finish. If you need nickel alloy hexagon bar with other finishes such as pickling or sandblasting, please confirm with us. Rahul Ferrometal supplies different nickel alloy grades: Monel(400, 401, K-500, etc), Inconel(600, 601, 625, 718, etc), Incolov(800, 825, A-286, etc) and Hastellov(B-2, C-22, C-276, etc). The diameter between two adjacent side width of our nickel alloy hexagon bar ranges from 3mm to 180mm. Customized size

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

is also available.

Specifications

Dimension: 3mm - 180mm• Delivery State: Cold Drawn, Hot Rolled, Grinding, Forged, Centerless Grinding• Ftinish: iPolisohed, Brightn, Hairline, Grinded, Sandblast, Pickled, Mill Finish

Standards

ASTM A484, ASTM A484M, ASTM A638, ASTM A638M, ASTM B160, ASTM B164, ASTM B166, ASTM B408, ASTM B425, ASTM B446, ASTM B408, ASTM B473, ASTM B511, ASTM B512, ASTM B549, ASTM B511, ASTM B505

Features

Outstanding high temperature resistance and corrosion resistance, bright surface, excellent straightness.

Applications

Food equipment, chemical equipment, nuclear energy industry equipment, construction engineering, equipment and parts that require good overall performance (corrosion resistance and formability).

Manufacturing Process



Drawing & Formula



Formula: m = D (mm) × D (mm) × L (m) × ρ (g/cm^a) × 0.866 + 1000 D = Diameter between two adjacent side width, L = Length, ρ = Density



FAQ



Tolerance

Cold Drawn

Specified Dimension, in. (mm) -		Permissible Variations from Specified Size, in. (mm)		
		Over	Under	
		0	0.004(0.10)	
Over 1(25.40) to 2(50	0.80), incl	0	0.006(0.15)	
Over 2(50.80) to 3(76	i.20), incl	0	0.008(0.20)	
Over 3(76.20)		0	0.010(0.25)	
	Hot I	Rolled		
Specified Sizes Measured Between	Permissible Variations fro	om Specified Size, in. (mm)	Maximum Difference in 3 Measuremen	
Opposite Sides, in. (mm)	Over	Under	for Hexagons, in. (mm)	
1/4(6.35) to 1/2(12.70), incl	0.007(0.18)	0.007(0.18)	0.011(0.28)	
Over 1/2(12.70) to 1(25.40), incl	0.010(0.25)	0.010(0.25)	0.015(0.38)	
Over 1(25.40) to 1 1/2(38.10), incl	0.021(0.53)	0.021(0.53)	0.025(0.64)	
Over 1 1/2(38.10) to 2(50.80), incl	1/32(0.79)	1/32(0.79)	1/32(0.79)	
Over 2(50.80) to 2 1/2(63.50), incl	3/64(1.19)	3/64(1.19)	3/64(1.19)	
Over 2 1/2(63.50) to 3 1/2(88.90), incl	1/16(1.59)	1/16(1.59)	1/16(1.59)	

Delivery State

Delivery State Choice	Surface Condition
Hot Rolled	Pickled
	Sand Blasted
Cold Drawn	Polished
	Bright
	Note:
1. If you require different deliver s	state than the above listed, kindly confirm with us.
In case of any enquiry or order, please ki	indly let us know any extra requirement not indicated here.

Package



At Rahul Ferrometal, our nickel alloy hexagon bar are packed tightly as per international standard to prevent any possible damage. By default we will use thick woven plastic bags to bundle several pieces together (always one bundle ≤1500KGs). However, for those tube pipes that are susceptible to dirt pollution, scraping, stress or man- handling damages, we suggest wooden case for protection. Please be kindly noted that wooden case can incur extra cost by its own, and at times can increase the freight, which is especially remarkable for air transportation. For enhanced user experience, we will pack as per your diverged requirements.

Logistics

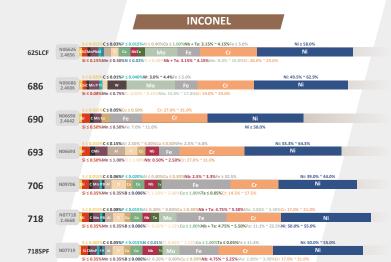


Sea transportation is the most popular for most orders, hence regarded as the default transportation mode. Accordingly, quotation is thus made as per FOB, CFR, CIF etc.. For urgent demand, we can also offer as per air transportation







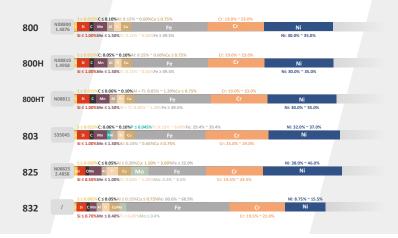


INCONEL





INCOLOY



INCOLOY

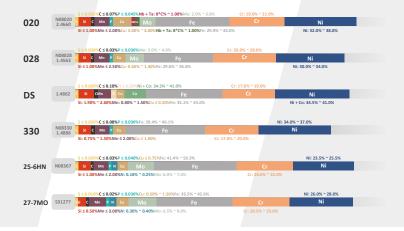




INCOLOY



INCOLOY

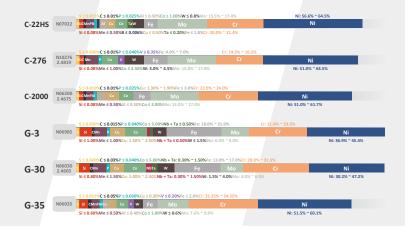




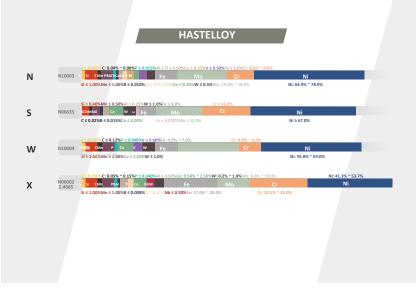
HASTELLOY



HASTELLOY













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