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

As a leading nickel alloy bars & rods supplier in India, Rahul Ferrometal produces and manufactures cost-effective nickel alloy round bar & rod. Nickel alloy round bar & rod is a kind of nickel alloy 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 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 alloy round bar & rod, we can also meet your needs.

Rahul Ferrometal supplies different nickel 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 diameter of our nickel alloy round bar & rod ranges from 4 to 300mm. 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!

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 Alloy Bright Bar
c. Nickel Alloy Hot Rolled Round Bar
d. Nickel Alloy Forged Bar

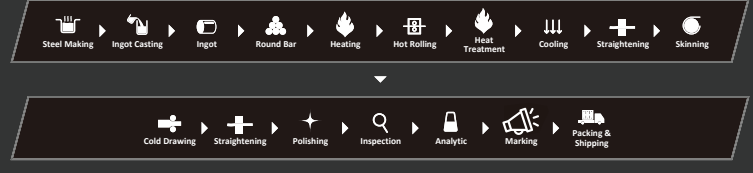
Features

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

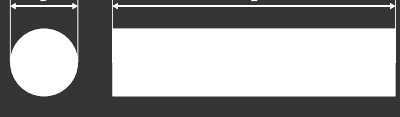
Applications

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 = D (mm) × D (mm) × L (m) × ρ (g/cm³) × π ÷ 4000
D = Diameter, L = Length, ρ = Density, π = 3.1415926...

Tolerance

Cold Drawn

Specified Dimension, in. (mm)	Permissible Variations from Specified Size, in. (mm)	
	Over	Under
Over 1/2(12.70) to 1(25.40), 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 Rolled

	Permissible Variations from Specified Size, in. (mm)		Out-of-Round 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)
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
	Polished
Hot Rolled / Solution & Aging Treated	Black
	Polished
	Bright
	Pickled
Cold Drawn / Solution & Aging Treated	Polished
	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.

FAQ

Q Can you provide nickel alloy grinding rods?

A Yes, we can produce nickel alloy grinding rods with precise dimensions, better roundness and straightness than that of nickel alloy polishing rods, but the processing cost is also higher.

Q What is your minimum order quantity?

A Our minimum order quantity is 100kg. Larger quantity, lower price.

Q How long is your delivery time?

A It is usually 35 days, but it is also affected by your specific requirements or order quantity.

Q Can you provide samples?

A For small parts, we can provide free samples of regular sizes, but the 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.

Q Can I send an engineer to India?

A Of course. Welcome to our factory for on-site inspection.

Q How do you control product quality?

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 export.

Package

Plastic Bag

Wooden Case

At Rahul Ferrometal, our nickel alloy round bar & rod 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 adapt to your diverged 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.

Nickel Alloy Flat Bar

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 cost-effective nickel alloy flat bar. Nickel alloy flat bar is a nickel alloy 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), Incoloy(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 alloy 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, Flat Bar Cut from Strip or Plates, Grinding, Forged, Centerless Grinding
- Finish: Pickled, Bright, Polishing, Mirror, Hairline
- Hot-selling Products: a. Nickel Alloy Hot Rolled Flat Bar
  b. Nickel Alloy Pickeld Flat Bar
  c. Nickel Alloy Cold Drawn Flat Bar
  d. Nickel Alloy Polished Flat Bar

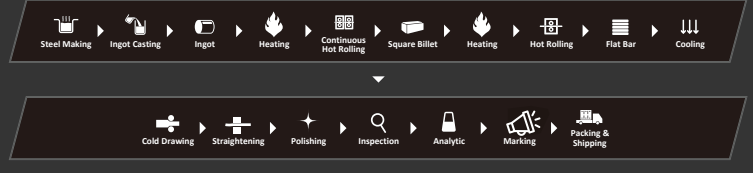
Features

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

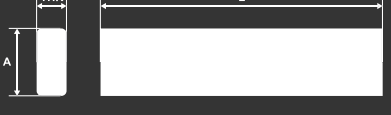
Applications

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) × ρ (g/cm³) ÷ 1000
A = Side width, THK = Thickness, L = Length, ρ = Density

Tolerance

Cold Drawn

Specified Dimension, in. (mm)	Permissible Variations from Specified Size, 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(50.80), incl	0	0.006(0.15)
Over 2(50.80) to 3(76.20), incl	0	0.008(0.20)
Over 3(76.20)	0	0.010(0.25)

Hot Rolled

Specified Width, in. (mm)	Permissible Variations in Thickness for Thicknesses Given, 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	
	Over	Under	Over	Under	Over	Under
To 1(25.40), incl	...	...	...	...	...	...
Over 1(25.40) to 2(50.80), incl	...	...	...	...	...	...
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)

Specified Width, in. (mm)	Permissible Variations in Width, in. (mm)	
	Over	Under
To 1(25.40), incl	0.015(0.38)	0.015(0.38)
Over 1(25.40) to 2(50.80), incl	0.031(0.79)	0.031(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(2.36)	0.062(1.57)
Over 6(152.40) to 8(203.20), incl	0.125(3.18)	0.156(3.96)
Over 8(203.20) to 10(254.00), incl	0.156(3.96)	0.187(4.75)

Delivery State

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

FAQ

Q Can you polish nickel alloy flat bar to hairline finish?

A Yes, we can polish nickel alloy flat bar to 180#, 320# and hairline finish for your different choice.

Q What is your minimum order quantity?

A Our minimum order quantity is 200kg. Larger quantity, lower price.

Q How long is your delivery time?

A It is usually 45 days, but it is also affected by your specific requirements or order quantity.

Q Can you provide samples?

A For small parts, we can provide free samples of regular sizes, but the 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.

Q Can I send an engineer to India?

A Of course. Welcome to our factory for on-site inspection.

Q How do you control product quality?

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 export.

Package

Plastic Bag

Wooden Case

At Rahul Ferrometal, our nickel alloy flat 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

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.

Nickel Alloy Square Bar

Standards

ASTM A484, ASTM A84M, ASTM A638 ASTM A6348M, ASTM B160, ASTM B164, ASTM B166, ASTM B408, ASTM B425, ASTM B446, ASTM B472, ASTM B473,ASTM B511, ASTM B512, ASTM B649, ASTM B691, ASTM B805

Overview

As a Chinese leading nickel alloy materials supplier, Rahul Ferrometal produces and manufactures Cost-effective nickel alloy square bar. Nickel alloy square bar is nickel alloy bars with square section. Due to the high degree of shape adaptability, it is also one of the most common nickel alloy bars. Nickel alloy 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 alloy square bars with polished, pickled and sandblasted finish for your choice.

Rahul Ferrometal supplies different nickel 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 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 more professional 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
• Hot-selling Products:
a. Hot Rolled Nickel Alloy Square Bar
b. Pickled Nickel Alloy Square Bar
c. Cold Drawn Nickel Alloy Square Bar

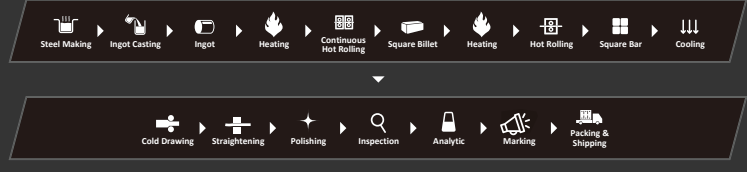
Features

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

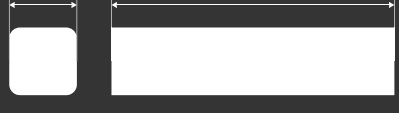
Applications

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) × A (mm) × L (m) × ρ (g/cm³) ÷ 1000
A = Side width, L = Length, ρ = Density

Size Range

Cold Drawn		
Specified Dimension, in. (mm)	Permissible Variations from Specified Size, 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(50.80), incl	0	0.006(0.15)
Over 2(50.80) to 3(76.20), incl	0	0.008(0.20)
Over 3(76.20)	0	0.010(0.25)

Hot Rolled			
	Permissible Variations from 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)
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
	Sand Blasted
Cold Drawn / Solution & Aging Treated	Polished
	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.

FAQ

Q Do you have cold drawn nickel alloy square bars?

A Yes, we produce cold drawn nickel alloy square bars with excellent finish. Although cold drawn nickel alloy square bars are more expensive than hot rolled nickel alloy square bars, it has better mechanical properties and more precise dimensions.

Q What is your minimum order quantity?

A Our minimum order quantity is 500kg. Larger quantity, lower price.

Q How long is your delivery time?

A It is usually 45 days, but it is also affected by your specific requirements or order quantity.

Q Can you provide samples?

A For small parts, we can provide free samples of regular sizes, but the 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.

Q Can I send an engineer to India?

A Of course. Welcome to our factory for on-site inspection.

Q How do you control product quality?

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 export.

Package

Plastic Bag

Wooden Case

At Rahul Ferrometal, our nickel alloy square 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.

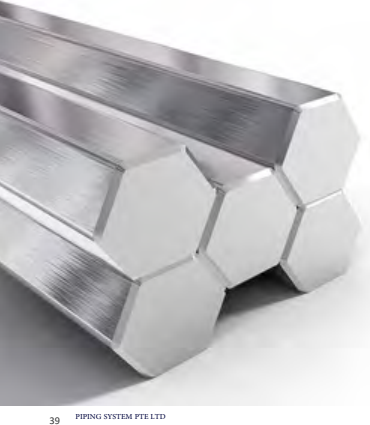
Logistics

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.

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), Incoloy(800, 825, A-286, etc) and Hastelloy(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 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: 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 B472, ASTM B473, ASTM B511, ASTM B512, ASTM B649, ASTM B691, ASTM B805

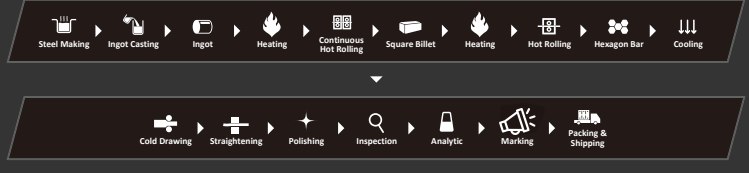
Features

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/cm³) × 0.866 ÷ 1000
D = Diameter between two adjacent side width, L = Length, ρ = Density

Tolerance

Cold Drawn

Specified Dimension, in. (mm)	Permissible Variations from Specified Size, 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(50.80), incl	0	0.006(0.15)
Over 2(50.80) to 3(76.20), incl	0	0.008(0.20)
Over 3(76.20)	0	0.010(0.25)

Hot Rolled

Specified Sizes Measured Between Opposite Sides, in. (mm)	Permissible Variations from Specified Size, in. (mm)		Maximum Difference in 3 Measurements for Hexagons, in. (mm)
	Over	Under	
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 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 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

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.

FAQ

Q Can you provide nickel alloy hexagon bar in round edge?

A Yes, we can produce round-edge nickel alloy hexagon bars according to your requirements.

Q What is your minimum order quantity?

A Our minimum order quantity is 500kg. Larger quantity, lower price.

Q How long is your delivery time?

A It is usually 45 days, but it is also affected by your specific requirements or order quantity.

Q Can you provide samples?

A For small parts, we can provide free samples of regular sizes, but the 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.

Q Can I send an engineer to India?

A Of course. Welcome to our factory for on-site inspection.

Q How do you control product quality?

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 export.

GRADES AVAILABLE

MONEL

400 — N04400 / 2.4360

S ≤ 0.024% **C ≤ 0.30%** Fe ≤ 2.5% — **Ni ≥ 63.0%**

Si ≤ 0.50% **Mn ≤ 2.00%** — Cu: 28.0% ~ 34.0%

401 — N04401

S ≤ 0.015% **C ≤ 0.10%** Fe ≤ 0.75% Cu: 51.4% ~ 56.4%

Si ≤ 0.25% **Mn ≤ 2.25%** Co ≤ 0.25% — **Ni: 40.0% ~ 45.0%**

404 — N04404

S ≤ 0.024% **C ≤ 0.15%** Fe ≤ 0.50% Cu: 42.1% ~ 47.1%

Si ≤ 0.10% **Mn ≤ 0.10%** Al ≤ 0.05% — **Ni: 52.0% ~ 57.0%**

R-405 — N04405

S: 0.025% ~ 0.060% **C ≤ 0.30%** Fe ≤ 2.5% — **Ni ≥ 63.0%**

Si ≤ 0.50% **Mn ≤ 2.00%** — Cu: 28.0% ~ 34.0%

K-500 — N05500 / 2.4375

S ≤ 0.010% **C ≤ 0.18%** Fe ≤ 2.0% Ti: 0.35% ~ 0.85% — **Ni ≥ 63.0%**

Si ≤ 0.50% **Mn ≤ 1.50%** Al: 2.30% ~ 3.15% Cu: 27.0% ~ 33.0%

502 — N05502

S ≤ 0.010% **C ≤ 0.10%** Fe ≤ 2.0% Ti ≤ 0.50% — **Ni: 63.0% ~ 70.0%**

Si ≤ 0.50% **Mn ≤ 1.50%** Al: 2.50% ~ 3.50% Cu: 21.9% ~ 29.9%

INCONEL

600 — N06600 / 2.4816

S ≤ 0.015% **C ≤ 0.15%** Cu ≤ 0.50% Cr: 14.0% ~ 17.0%

Si ≤ 0.50% **Mn ≤ 1.00%** Fe: 6.0% ~ 10.0% — **Ni ≥ 72.0%**

601 — N06601 / 2.4851

S ≤ 0.015% **C ≤ 0.10%** Al: 1.00% ~ 1.70% Fe: 7.7% ~ 17.4% — **Ni: 58.0% ~ 63.0%**

Si ≤ 0.50% **Mn ≤ 1.00%** Cu ≤ 1.00% — Cr: 21.0% ~ 25.0%

601GC — /

S ≤ 0.015% **C: 0.03% ~ 0.08%** **N: 0.02% ~ 0.07%** Al: 0.80% ~ 1.70% Fe: 6.9% ~ 15.1% — **Ni: 58.0% ~ 63.0%**

Si ≤ 1.00% **Mn ≤ 1.00%** P ≤ 0.070% ~ 0.250% **Cu ≤ 1.00%** **Cr: 23.0% ~ 25.0%**

602CA — N06025 / 2.4633

S ≤ 0.010% **C: 0.15% ~ 0.25%** **P ≤ 0.020%** Al: 1.8% ~ 2.4% Cu ≤ 0.10% Fe: 8.0% ~ 11.0%

Si ≤ 0.50% **Mn ≤ 0.15%** B ≤ 0.01% ~ 0.10% Ti: 0.1% ~ 0.2% **Y: 0.05% ~ 0.12%** **Cr: 24.0% ~ 26.0%** **Ni: 59.2% ~ 65.9%**

603XL — /

Si ≤ 2.00% **Mn ≤ 0.30%** Al ≤ 0.50% Mo ≤ 4.0% — **Ni: 69.3% ~ 77.3%**

C ≤ 0.30% B ≤ 0.010% Ti ≤ 0.50% **Cr: 15.0% ~ 23.0%**

617 — N06617 / 2.4663a

S ≤ 0.015% **C: 0.05% ~ 0.15%** **B ≤ 0.006%** Ti ≤ 0.60% Co: 10.0% ~ 15.0% Fe ≤ 3.0% — **Ni ≥ 44.5%**

Si ≤ 1.00% **Mn ≤ 1.00%** Al: 0.80% ~ 1.50% Cu ≤ 0.50% Mo: 8.0% ~ 10.0% — Cr: 20.0% ~ 24.0%

625 — N06625 / 2.4856

S ≤ 0.015% **C ≤ 0.10%** **P ≤ 0.015%** Ti ≤ 0.40% **Nb + Ta: 3.15% ~ 4.15%** Mo: 8.0% ~ 10.0% Cr: 20.0% ~ 23.0%

Si ≤ 0.50% **Mn ≤ 0.50%** Al ≤ 0.40% Co ≤ 1.00% **Nb + Ta: 3.15% ~ 4.15%** Fe ≤ 5.0% — **Ni ≥ 58.0%**

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%

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%Y2O3 = 0.60%Cr = 20.0%

MA758

/

C ≤ 0.05%Ti ≤ 0.50%Fe ≤ 1.0%

Ni = 67.6%

Al ≤ 0.30%Y2O3 = 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

/

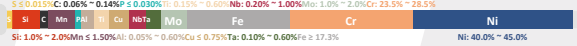
INCOLOY

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% Y2O3: 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%

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

S ≤ 0.030% C ≤ 0.05% P ≤ 0.040% V: 0.20% ~ 0.40% Mo: 26.0% ~ 30.0% Ni: 58.0% ~ 64.2%
Si ≤ 1.00% Mn ≤ 1.00% Co ≤ 2.50% Fe: 4.0% ~ 6.0% Cr ≤ 1.0%

B-2 N10665 2.4617

S ≤ 0.030% C ≤ 0.02% P ≤ 0.040% Fe ≤ 2.0% Cr ≤ 1.0%
Si ≤ 0.10% Mn ≤ 1.00% Co ≤ 1.00% Mo: 26.0% ~ 30.0% Ni: 65.0% ~ 74.0%

B-3 N10675 2.4600

S ≤ 0.010% C ≤ 0.01% P ≤ 0.030% Al ≤ 0.50% Cu ≤ 0.20% Nb ≤ 0.20% V ≤ 0.20% Fe: 1.0% ~ 3.0% Cr: 1.0% ~ 3.0%
Si ≤ 0.10% Mn ≤ 3.00% Co ≤ 3.00% Ta ≤ 0.20% W ≤ 3.0% Mo: 27.0% ~ 32.0% Ni: 65.0% ~ 71.0%

C /

S ≤ 0.030% C ≤ 0.08% P ≤ 0.040% V ≤ 0.35% Fe: 4.0% ~ 7.0% Cr: 14.5% ~ 16.5%
Si ≤ 1.00% Mn ≤ 1.00% Co ≤ 2.50% W: 3.0% ~ 4.4% Mo: 15.0% ~ 17.0% Ni: 50.0% ~ 58.0%

C-4 N06455 2.4610

S ≤ 0.030% C ≤ 0.015% P ≤ 0.040% Co ≤ 2.00% Mo: 14.0% ~ 17.0% Ni: 58.2% ~ 72.0%
Si ≤ 0.08% Mn ≤ 1.00% Ti ≤ 0.70% Fe ≤ 3.0%

C-22 N06022 2.4602

S ≤ 0.020% C ≤ 0.015% P ≤ 0.020% V ≤ 0.35% Fe: 2.0% ~ 6.0% Cr: 20.0% ~ 22.5%
Si ≤ 0.08% Mn ≤ 0.50% Co ≤ 2.50% W: 2.5% ~ 3.5% Mo: 12.5% ~ 14.5% Ni: 50.1% ~ 63.0%

HASTELLOY

C-22HS N07022

S ≤ 0.015% C ≤ 0.01% P ≤ 0.025% Al ≤ 0.50% Co ≤ 1.00% W ≤ 0.8% Mo: 15.5% ~ 17.4% Ni: 56.6% ~ 64.5%
Si ≤ 0.08% Mn ≤ 0.50% B ≤ 0.006% Cu ≤ 0.50% Ta ≤ 0.20% Fe ≤ 1.8% Cr: 20.0% ~ 21.4%

C-276 N10276 2.4819

S ≤ 0.030% C ≤ 0.01% P ≤ 0.040% V ≤ 0.35% Fe: 4.0% ~ 7.0% Cr: 14.5% ~ 16.5%
Si ≤ 0.08% Mn ≤ 1.00% Co ≤ 2.50% W: 3.0% ~ 4.5% Mo: 15.0% ~ 17.0% Ni: 51.0% ~ 63.5%

C-2000 N06200 2.4675

S ≤ 0.010% C ≤ 0.01% P ≤ 0.025% Cu: 1.30% ~ 1.90% Fe ≤ 3.0% Cr: 22.0% ~ 24.0%
Si ≤ 0.08% Mn ≤ 0.50% Al ≤ 0.50% Co ≤ 2.00% Mo: 15.0% ~ 17.0% Ni: 51.0% ~ 61.7%

G-3 N06985

S ≤ 0.030% C ≤ 0.015% P ≤ 0.040% Co ≤ 5.00% Nb + Ta ≤ 0.50% Fe: 18.0% ~ 21.0% Cr: 21.0% ~ 23.5%
Si ≤ 1.00% Mn ≤ 1.00% Cu: 1.50% ~ 2.50% Nb + Ta ≤ 0.50% W ≤ 1.5% Mo: 6.0% ~ 8.0% Ni: 36.9% ~ 45.4%

G-30 N06030 2.4603

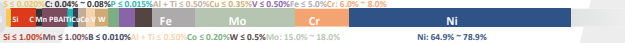
S ≤ 0.020% C ≤ 0.03% P ≤ 0.040% Co ≤ 5.00% Nb + Ta: 0.30% ~ 1.50% Fe: 13.0% ~ 17.0% Cr: 28.0% ~ 31.5%
Si ≤ 0.80% Mn ≤ 1.50% Cu: 1.00% ~ 2.40% Nb + Ta: 0.30% ~ 1.50% W: 1.5% ~ 4.0% Mo: 4.0% ~ 6.0% Ni: 30.2% ~ 47.2%

G-35 N06035

S ≤ 0.015% C ≤ 0.05% P ≤ 0.030% Cu ≤ 0.30% V ≤ 0.20% Fe ≤ 2.0% Cr: 32.25% ~ 34.25%
Si ≤ 0.60% Mn ≤ 0.50% Al ≤ 0.40% Co ≤ 1.00% W ≤ 0.6% Mo: 7.6% ~ 9.0% Ni: 51.5% ~ 60.1%

HASTELLOY

N



S

W

X