



Basic Information

 Place of Origin: 	China
Brand Name:	Victory
Certification:	ISO9001
Model Number:	Inconel 825 rod
Minimum Order Quantity:	5 Kg
Price:	Negotiable
 Packaging Details: 	Inconel 825 rod packed in Spool Carton box, Coil package with polybag,then in woodencase
Delivery Time:	7-20 Days
• Payment Terms:	L/C, T/T, Western Union, MoneyGram
Supply Ability:	300 tons per month



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Product Specification

Product Name:	Inconel 825 Bar
Material:	Ni Fe Cr Mo
• Ni (Min):	38-46%
Application:	Construction, IndustryOil Pipelines And Equipment, Offshore Platform Structures
Coefficient Of Expansion:	14.0 μm/m °C (20 – 100°C)
Modulus Of Rigidity:	75.9 KN/mm ²
• Density:	8.14 G/cm3
 Modulus Of Elasticity: 	196 KN/mm ²
Melting Point:	1400°C
 Tensile Strength: 	550 MPa
• Yield Strength:	220 MPa
 Highlight: 	Nickel Alloy Inconel Round Pipe,

Nickel Alloy Inconel Rod



More Images



Product Description

Introduction:

Inconel 825 rod is a high performance alloy material widely used in the oil and gas industry. It is composed of elements such as nickel, iron, chromium and molybdenum and has excellent corrosion resistance and high temperature stability. The rod is suitable for oil pipelines and equipment, offshore platform structures and other fields. Inconel 825 rod has low density, moderate thermal expansion coefficient and good mechanical properties, including tensile strength of 550 MPa and yield strength of 220 MPa. It also has a high melting point and high elastic modulus, ensuring reliable performance in harsh environments and high temperature conditions. In summary, Inconel 825 rod is an ideal choice to meet the stringent requirements of the oil and gas industry for corrosion resistance, high temperature and high strength materials.

Product Features:

Corrosion resistance: Inconel 825 rod has excellent corrosion resistance and has good tolerance to a variety of corrosive media such as acids, alkalis, chlorides and sulfides.

Antioxidant properties: It has excellent antioxidant properties and can maintain stable performance under high temperatures and oxidizing environments.

High strength performance: It has high strength and can withstand the high pressure and high temperature environment in the oil and gas industry.

Advantage:

Corrosion Resistance: Inconel 825 rod exhibits excellent resistance to corrosive media commonly found in the oil and gas industry, extending the service life of equipment and pipelines.

High temperature performance: Able to maintain stable performance in high temperature environments, with good high temperature strength and oxidation resistance.

Weldability: Inconel 825 rod has good weldability for easy assembly and repair in the oil and gas industry.

Specific applications:

Pipes and Equipment: Inconel 825 rods are used in equipment such as pipelines, heat exchangers, reactors and storage tanks in the oil and gas industry to resist corrosive media and high temperature environments.

Marine environment: It is suitable for equipment and structures in marine environments such as offshore oil exploration and offshore natural gas production platforms, and has good resistance to seawater corrosion.

Corrosive media treatment: It can be used to treat corrosive media in the oil and gas industry, such as acid gases, sulfides and chlorides, etc., to prevent corrosion damage to pipelines and equipment.

Other relevant knowledge:

Composition of Inconel 825 alloy: Inconel 825 alloy is mainly composed of alloy elements such as nickel, chromium and copper. The reasonable ratio of these elements gives the alloy excellent corrosion resistance and high temperature strength. Heat Treatment and Processing: Inconel 825 rod typically requires heat treatment to improve its mechanical properties and corrosion resistance. In addition, the alloy can be formed and processed through processes such as cold working and welding to meet the needs of the oil and gas industry.

Safety and Environmental Protection: The use of Inconel 825 rods can improve the safety and reliability of oil and gas industry equipment and reduce the risk of leaks and environmental pollution.

Parameter:

Chemical Composition (%)										
С	Si	Mn	S	Мо	Ti	Cr	Ni	Al	Fe	Cu
≤0.05	≤0.50	≤1.00	≤0.03	≤2.5~3.5	≤0.6~1.2	19.5~23.5	38.0~46.0	≤0.2	≥22.0	1.5~3.0

	Stand	dard	
Sheet/Plate	Round bar/Wire	Pipe	Tube
ASME SB-424 ASME SB-906	ASME SB-425	ASME SB-423 ASME SB-829 ASME SB-163 ASME SB-751 ASME SB-775	ASME SB-704 ASME SB-705 ASME SB-751 ASME SB-775

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



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





Q & A:

Q: What is the quality assurance for Inconel 825 rod?

A: Inconel 825 rod undergoes rigorous quality control processes, including material testing, dimensional inspections, and compliance with industry standards, ensuring high-quality and reliable performance in corrosive environments.

Q: Does Inconel 825 rod have any certifications or approvals?

A: Yes, Inconel 825 rod is often certified to international standards such as ASTM or ASME, and it meets the stringent quality requirements of industries such as chemical processing and marine engineering, providing assurance of its quality and suitability for critical applications.

