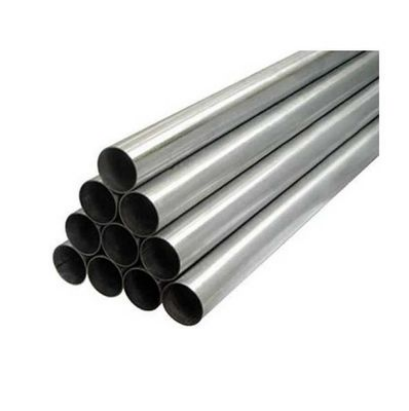
1/2-48 Expansion Alloy Pipe Plain Beveled End Excellent Corrosion Resistance Heat Resistance

Our Product Introduction

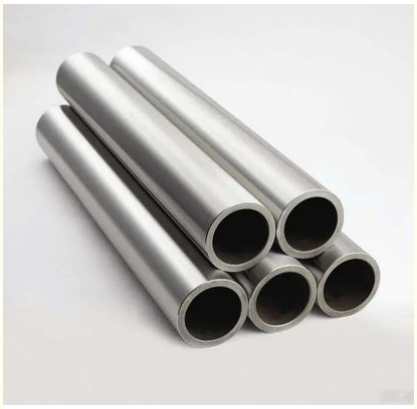
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Model Number: Inconel Alloy



Product Specification

- Heat Resistance: High
- Magnetic Permeability: 1.0035
- Specific Heat Capacity: 0.435 J/g-°C
- Pipe End: Plain End, Beveled End, Treaded
- Standard: ASTM AISI JIS DIN GB
- Corrosion Resistance: Excellent
- Outer Diameter: 1/2"~48"
- Type: Nickel-Chromium-Based Superalloy
- Highlight: **Corrosion Resistance Expansion Alloy Pipe**, **Heat Resistance Expansion Alloy Pipe**, **Plain Beveled End Expansion Alloy Pipe**



More Images

Product Description

Product Description:

The Inconel Alloy is a versatile material that finds its application in various industries such as aviation, automotive, marine, and chemical processing. Its remarkable mechanical properties make it an ideal material for manufacturing components that are subjected to extreme conditions, such as high pressure, high temperature, and corrosive environments.
The coefficient of expansion of Inconel Alloy is 14.0 µm/m °C (20 – 100°C), which makes it highly resistant to thermal expansion and contraction. This property makes it an ideal material for manufacturing components that require dimensional stability in high-temperature environments.
Inconel Alloy has an outer diameter range of 1/2"~48", and its wall tolerance is ±3-5%. This makes it convenient for manufacturers to produce components of various sizes and dimensions with a high degree of precision.
The Inconel Alloy is widely used in the aerospace industry for manufacturing aircraft components such as jet engine parts, exhaust systems, and turbine blades. It is also used in the automotive industry for manufacturing exhaust systems, turbochargers, and other high-performance parts. In the marine industry, it is used for manufacturing components that are exposed to corrosive seawater environments, such as propellers, pumps, and valves. In the chemical processing industry, it is used for manufacturing components that require high resistance to corrosion and high-temperature environments, such as reactors, heat exchangers, and piping systems.
Inconel Alloy is an alloy target that is widely used in the production of thin films and electronic components. Its excellent mechanical and chemical properties make it a popular choice for manufacturing electronic components such as capacitors, resistors, and transistors.
In conclusion, the Inconel Alloy is a nickel-chromium-based superalloy that has exceptional mechanical and chemical properties. Its high resistance to corrosion, oxidation, and high-temperature environments make it suitable for manufacturing components that are exposed to extreme conditions. Its wide range of applications makes it a versatile material that finds its use in various industries such as aviation, automotive, marine, and chemical processing.

Features:

Product Name: Inconel Alloy
Alloy Type: Nickel-based Deformed Superalloy
Wall Tolerance: ±3-5%
Outer Diameter: 1/2"~48"
Corrosion Resistance: Excellent
Delivery State: Sosoloid
Inconel Alloy is a product of Inconel Special Metals, which is a trusted alloy agent in steel. This expansion alloy offers excellent corrosion resistance and comes in a delivery state of Sosoloid.

Technical Parameters:

Heat Resistance	High
Specific Heat Capacity	0.435 J/g-°C
Pipe End	Plain End, Beveled End, Treaded
Type	Nickel-Chromium-Based Superalloy
Curie Point	-319°F (-195°C)
Coefficient Of Expansion	14.0 µm/m °C (20 – 100°C)
Outer Diameter	1/2"~48"
Magnetic Permeability	1.0035
Tolerance	±1%
Alloy Type	Nickel-based Deformed Superalloy

Applications:

One of the applications of the Victory Inconel Alloy is in the production of alloy parts. Its high strength and corrosion resistance make it suitable for use in parts that are exposed to harsh conditions, such as those used in chemical processing plants, oil refineries, and aerospace industries. These parts can be manufactured to various specifications, and the Victory Inconel Alloy can be used to produce them in different shapes and sizes.
Another application of the Victory Inconel Alloy is in the production of Inconel strips. These strips are used in various industries, such as the automotive and aerospace industries, to manufacture parts that require high strength and corrosion resistance. The Victory Inconel Alloy is an ideal material for producing these strips due to its high strength and excellent resistance to corrosion.
The Victory Inconel Alloy is also used in the production of alloy targets. These targets are used in various industries, such as semiconductor manufacturing and thin film deposition. The Victory Inconel Alloy can be used to produce these targets in different shapes and sizes, and they are used to deposit thin films on substrates to create various electronic devices.
The Victory Inconel Alloy is available in different pipe end configurations, including plain end, beveled end, and threaded. This makes it suitable for use in various applications that require different types of pipe ends. Additionally, the Victory Inconel Alloy has a tolerance of ±1%, ensuring that it meets the required specifications for different applications.
In conclusion, the Victory Inconel Alloy is a versatile material that can be used in various applications, including the production of alloy

parts, Inconel strips, and alloy targets. It is a nickel-based deformed superalloy that has exceptional mechanical strength and corrosion resistance, making it ideal for use in extreme environments. Its availability in different pipe end configurations and its tolerance of ±1% make it suitable for use in various applications.

Customization:

Our Inconel Alloy is made in China and is available in different pipe end options such as plain end, beveled end, and threaded. We offer customizations to suit your specific needs and requirements. Our team is equipped to handle any customization projects that you may have, from design to production.

Support and Services:

Our Inconel Alloy product technical support and services are designed to provide you with comprehensive assistance and expertise in the use and maintenance of our products. Our team of experienced engineers and technicians are available to provide you with the following services:
- Product selection and application support
- Material testing and analysis
- Design consultation and custom engineering solutions
- Technical training and education
- Product installation and commissioning services
- Maintenance and repair services

Our commitment to quality and customer satisfaction means that we are always available to answer your questions and provide you with the support you need to get the most out of our Inconel Alloy products.

Packing and Shipping:

Product Name: Inconel Alloy
Product Description: Inconel is a family of austenitic nickel-chromium-based superalloys. It is used in high-temperature applications where high resistance to corrosion and oxidation is required.
Package Contents: The Inconel Alloy product will be packaged in a sturdy cardboard box with foam padding to ensure safe transport.
Shipping: The product will be shipped via a reputable courier service to ensure timely and safe delivery. Shipping costs will be calculated based on the destination and weight of the package.

FAQ:

Brand Name: Victory
Place of Origin: China

2. Q: What is the model number of this product? A:

Model Number: Inconel Alloy

3. Q: What is Inconel Alloy used for? A:

Inconel Alloy is a high-strength, corrosion-resistant nickel-based alloy that is commonly used in extreme environments such as aerospace, chemical processing, and nuclear power.

4. Q: What are the temperature limits for Inconel Alloy? A:

Inconel Alloy can withstand temperatures ranging from cryogenic to high temperatures up to 2200°F (1200°C).

5. Q: What are the advantages of using Inconel Alloy? A:

Inconel Alloy has excellent resistance to corrosion, oxidation, and high temperatures. It also has high strength and good mechanical properties, making it an ideal material for a wide range of applications.

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