



Carbon Steel Bar High Temperature Alloy Wire With Excellent Oxidation Resistance

Our Product Introduction

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Basic Information

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



Product Specification

- Elongation: $\geq 30\%$
- Annealed: 700 – 800N/mm²
- Shape: Wire, Strip, Rod, Tube, Plate
- Corrosion Resistance: Excellent
- Technique: Hot Rolled
- Thermal Expansion: $11.2 \times 10^{-6}/K$
- Grade: Ni Cr Fe Mo Nb
- Density: 8.2-9.4 G/cm³
- Highlight: **Oxidation Resistance Carbon Steel Bar,
High Temperature Alloy Wire,
High Temperature Alloy Carbon Steel Bar**



More Images



Product Description

Product Description:

The High Temperature Alloy product is a Carbon Steel Bar that has been Hot Rolled, which means it has undergone a process of heating and rolling to produce a bar with a smooth and consistent surface. This technique ensures that the bar has excellent strength and toughness, making it suitable for use in a wide range of applications, including in the construction of machinery, tools, and equipment that operate at high temperatures and under extreme conditions.

One of the key characteristics of this Hard Metal Alloy is its ability to maintain its mechanical properties even at high temperatures. This means that it can withstand the stresses and strains that are typically found in high-temperature environments without losing its strength or becoming brittle. Additionally, the High Temperature Alloy product has an elongation of at least 30%, which means that it can deform without breaking, making it ideal for use in applications that require flexibility and resilience.

The High Temperature Alloy product is also annealed, which means that it has been heat-treated to achieve a specific level of hardness and ductility. In this case, the product has an annealed strength of 700 – 800N/mm², which makes it suitable for use in applications that require a high level of strength and durability. Additionally, the annealing process helps to improve the machinability of the product, making it easier to shape and form into the required dimensions.

In summary, our High Temperature Alloy product is a top-of-the-line Alloy Tool Steel that is specifically designed to withstand high temperatures and harsh environments. Made from a combination of raw materials that provide excellent strength, durability, and resistance to corrosion, this Alloy Steel Metal is hot-rolled to produce a bar with a smooth and consistent surface. With its ability to maintain its mechanical properties even at high temperatures, an elongation of at least 30%, and an annealed strength of 700 – 800N/mm², the High Temperature Alloy product is ideal for use in a wide range of applications that require strength, flexibility, and resilience.

Features:

Product Name: High Temperature Alloy

Technique: Hot Rolled

Creep Resistance: Excellent

Raw Materials: Ni63%,CR21-25%,Fe10-15%

Corrosion Resistance: Excellent

Thermal Expansion: 11.2×10-6/K

Our High Temperature Alloy product is a top-of-the-line alloy steel metal that is perfect for high end refractory alloys. With excellent creep and corrosion resistance, this hot rolled wire is made from a combination of Ni63%, CR21-25%, and Fe10-15% raw materials. Its thermal expansion rate of 11.2×10-6/K makes it ideal for high temperature applications.

Technical Parameters:

Attribute	Value
Type	Carbon Steel Bar
Corrosion Resistance	Excellent
Oxidation Resistance	Excellent
Weldability	Good
Grade	Ni Cr Fe Mo Nb
Elongation	≥ 30%
Thermal Expansion	11.2×10-6/K
Item Name	2205 Stainless Steel Strip
Creep Resistance	Excellent
Raw Materials	Ni63%,CR21-25%,Fe10-15%

Applications:

The High Temperature Alloy product is commonly used in applications where extreme heat is involved. This includes the aerospace, automotive, and power generation industries, where it is used in engine components, exhaust systems, and turbines. It is also used in the chemical and petrochemical industries, where it serves as a corrosion-resistant alloy in harsh chemical environments.

The High Temperature Alloy product is also used for industrial furnace components, where it has excellent thermal stability and can withstand high temperatures. Its thermal expansion property, which is 11.2×10-6/K, ensures that it can maintain its shape and size even when exposed to high temperatures.

One of the most common applications for the High Temperature Alloy product is as a wire. This is because it has excellent electrical conductivity and can withstand high temperatures without losing its properties. It is commonly used in the electrical industry for heating elements, resistance wires, and other high-temperature applications.

In summary, Victory's High Temperature Alloy product is a versatile and reliable material that can be used in a wide range of applications. Its excellent resistance to high temperatures and corrosion make it an ideal choice for industries that require durable and long-lasting materials. With its various shapes and lengths, it can be customized to fit any project's specific requirements.

Support and Services:

Our High Temperature Alloy product comes with comprehensive technical support and services to ensure the best performance and longevity of the material. Our team of experts is available to provide assistance in the following areas:

Product selection and application

Material properties and characteristics

Machining and fabrication recommendations

Testing and analysis

Customized solutions

Warranty and repair services

We also offer training and education programs to help our customers understand the capabilities and limitations of the material and how to optimize its use in their specific applications. Our commitment to quality and customer satisfaction is reflected in our support and services, and we are always available to answer any questions or concerns you may have.

Packing and Shipping:

Product Packaging:

The High Temperature Alloy product will be packaged in a sturdy cardboard box with protective padding to prevent any damage during shipping. Each box will contain the required quantity of the product and will be clearly labeled with the product name and specifications.

Shipping:

We offer worldwide shipping for the High Temperature Alloy product. Shipping options include standard and expedited shipping. The shipping cost and estimated delivery time will be calculated during the checkout process based on the destination and shipping method selected. We strive to ship all orders as quickly as possible and provide tracking information once the order has been shipped.

FAQ:

Q: What is the brand name of this product?

A: The brand name of this product is Victory.

Q: What is the model number of this product?

A: The model number of this product is High Temperature Alloy.

Q: Where is this product made?

A: This product is made in China.

Q: What are the applications of this product?

A: This product is commonly used in high-temperature environments such as aerospace, power generation, and chemical processing.

Q: What are the properties of this product?

A: This product has excellent resistance to oxidation and corrosion, high strength at elevated temperatures, and good creep and fatigue resistance.



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