



Carbon Steel Bar High End Refractory Alloys With Excellent Creep Resistance

Our Product Introduction

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Basic Information

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

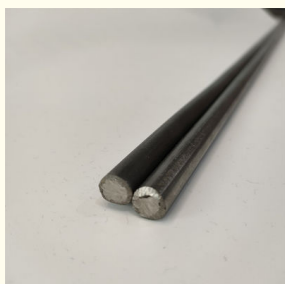


Product Specification

- Weldability: Good
- Type: Carbon Steel Bar
- Raw Materials: NI63%,CR21-25%,Fe10-15%
- Grade: Ni Cr Fe Mo Nb
- Technique: Hot Rolled
- Oxidation Resistance: Excellent
- Creep Resistance: Excellent
- Thermal Expansion: $11.2 \times 10^{-6}/K$
- Highlight: **Excellent Creep Resistance Carbon Steel Bar,
Creep Resistance Carbon Steel Bar,
High End Refractory Alloys Bar**



More Images



Product Description

Product Description:

The High Temperature Alloy product is also known for its good Weldability, which makes it easy to work with and shape into various forms. This is important in industries where custom parts and components are needed, as it allows for precise manufacturing without compromising the strength or integrity of the alloy.

Another important attribute of the High Temperature Alloy product is its high Elongation, which is equal to or greater than 30%. This means that the alloy can be stretched or bent without breaking, making it an ideal choice for applications that require flexibility or require the metal to be shaped into complex forms. The High Temperature Alloy product is also Corrosion Resistant, which makes it ideal for use in harsh environments where exposure to moisture or other corrosive substances is common.

The High Temperature Alloy product is manufactured using the Hot Rolled technique, which involves heating the metal to a high temperature and then rolling it into the desired shape. This process ensures that the alloy is strong and durable, while also allowing for precise manufacturing and customization.

In summary, the High Temperature Alloy product is a type of Alloy Steel Metal that is designed to withstand extreme temperatures and harsh environments. It is a High End Refractory Alloy that is Corrosion Resistant and has excellent Creep Resistance, making it ideal for use in industries such as aerospace, power generation, and oil and gas. The High Temperature Alloy product is also known for its good Weldability and high Elongation, which make it easy to work with and shape into various forms. The Hot Rolled technique is used to manufacture the High Temperature Alloy product, ensuring that it is strong, durable, and precise in its manufacturing.

Features:

Product Name: High Temperature Alloy

Thermal Expansion: $11.2 \times 10^{-6}/K$

Creep Resistance: Excellent

Density: 8.2-9.4 G/cm³

Item Name: 2205 Stainless Steel Strip

Type: Carbon Steel Bar

Features:

Hot Rolled Alloy Steel

High Temperature Alloy Wire

Corrosion Resistant Alloys

Technical Parameters:

Item Name	2205 Stainless Steel Strip
Density	8.2-9.4 G/cm ³
Thermal Expansion	$11.2 \times 10^{-6}/K$
Length	As Required
Weldability	Good
Creep Resistance	Excellent
Oxidation Resistance	Excellent
Type	Carbon Steel Bar
Annealed	700 – 800N/mm ²
Elongation	≥ 30%

Applications:

One of the most common applications of Victory High Temperature Alloy is in the aerospace industry, where it is used to manufacture engine components, turbine blades, and exhaust systems. The alloy's ability to withstand high temperatures and maintain its structural integrity makes it an ideal choice for these critical applications.

The oil and gas industry also makes extensive use of hard metal alloys like Victory High Temperature Alloy. The alloy's excellent creep resistance and hot tensile strength make it an ideal material for use in high-temperature and high-pressure environments, such as drilling and extraction operations.

Other industries that benefit from the use of high temperature alloys include the automotive and power generation industries. In the automotive industry, Victory High Temperature Alloy is used to manufacture exhaust systems, while in the power generation industry, it is used to manufacture gas turbines and other high-temperature components.

Victory High Temperature Alloy is manufactured using the hot rolling technique, which results in a material that is annealed to 700-800N/mm². This high level of annealing ensures that the alloy is strong and resistant to deformation even at high temperatures.

Additionally, the alloy has a low thermal expansion coefficient of $11.2 \times 10^{-6}/K$, which allows it to maintain its shape and structural integrity even in extreme temperature changes.

In conclusion, Victory High Temperature Alloy is a versatile and reliable material that is widely used in various industries due to its excellent creep resistance, thermal expansion, and strength attributes. Its ability to withstand high temperatures and maintain its structural integrity makes it an ideal material for use in critical applications in the aerospace, oil and gas, automotive, and power generation

industries.

Support and Services:

Our High Temperature Alloy product is designed to provide excellent performance in extreme environments. In order to ensure the best possible performance and longevity, we offer a comprehensive range of technical support and services to our customers, including:

- Material selection guidance
- Design optimization recommendations
- Welding and fabrication support
- Failure analysis and troubleshooting
- On-site technical assistance
- Custom alloy development

Our team of experienced engineers and metallurgists are available to assist with any technical questions or issues related to our High Temperature Alloy product. We are committed to providing exceptional customer service and ensuring that our customers have the support they need to succeed.

Packing and Shipping:

Product: High Temperature Alloy

Packaging: The product will be packed in a sturdy box with appropriate cushioning to ensure safe delivery.

Shipping: The product will be shipped via a reliable and efficient carrier service to ensure timely and secure delivery.

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 is the temperature range that this alloy can withstand?

A: This alloy can withstand temperatures up to 1200°C.

Q: What applications is this alloy typically used for?

A: This alloy is typically used for high-temperature applications such as in gas turbines, heat exchangers, and furnace components.



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