



COMPANY PROFILE

ROHIT STEEL an ISO certified company offerings include high-quality steel products, CHQ wires, blackbars, and brightbars, all crafted with precision and expertise.

rohitsteels.com



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WELCOME TO ROHIT STEEL



INTRODUCTION

Rohit Steels was established in 2005 and operates under the well-known Nikhar Group of Industries, located in Rohtak, Haryana, India. The company benefits from the leadership of Mr. Rajinder Bansal the Chairman of the Nikhar Group, which has built a strong reputation for delivering high-quality products. Rohit Steel continues this tradition, offering products that reflect the group's commitment to excellence. The company is known for its dedication to producing industrial wires with exceptional quality performance.



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Process of Rohit Steel

Rohit Steels specializes in providing high-quality steel products, including steel sheets, coils, bars, and pipes. We cater to various industries such as construction, manufacturing, and automotive.

CHQ WIRE

CHQ wire (Cold Heading Quality wire) is high-quality wire used primarily for manufacturing fasteners, bolts, and other cold-formed products.

BRIGHT BAR

A bright bar is a high-quality, smooth, and precision-engineered steel bar commonly used in machining and manufacturing processes.

ROUND BAR

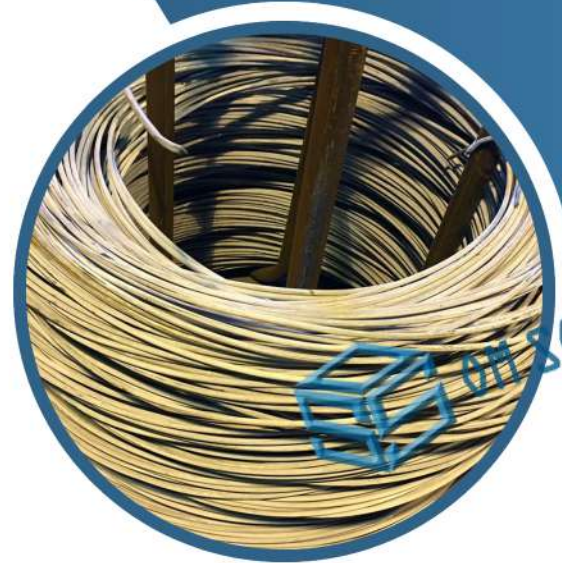
A round bar is a cylindrical metal bar commonly used in construction, machining, and manufacturing for creating various parts and structures.

BLACK BAR

A black bar typically refers to a horizontal or vertical bar with a black color, often used in design for separation or emphasis.

CHQ WIRE

CHQ (Cold Heading Quality) wire is a type of high-quality wire specifically designed for cold heading processes. It is commonly used in the manufacturing of fasteners, bolts, nuts, and other mechanical components. CHQ wire is produced with a strict focus on superior tensile strength, uniformity, and surface finish to ensure optimal performance in industrial applications. The wire undergoes advanced processing techniques to meet the precise requirements for cold heading, where it is formed into various shapes without the need for heat.



CHQ wire is typically made from carbon steel, alloy steel, or stainless steel, and is chosen for its excellent drawability, durability, and resistance to wear and tear. Due to its precision, CHQ wire ensures high-quality end products that are reliable and strong. Industries like automotive, construction, and machinery manufacturing depend on this wire for producing parts that meet high mechanical standards. The wire is available in different grades and sizes, catering to specific needs for each application.

• **BOLTS**

• **NUTS**

• **SCREWS**

• **RIVETS**

• **NAILS**

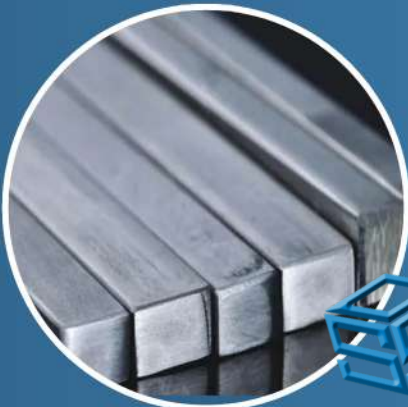
BRIGHT BAR

A bright bar is a type of steel bar that is known for its smooth surface and precise dimensions. It is manufactured through a process that involves cold drawing or peeling, resulting in a polished finish. Bright bars are typically made from carbon steel, alloy steel, or stainless steel. They are widely used in machining, engineering, and construction for making parts like shafts, bolts, and nuts. The high surface quality of bright bars makes them ideal for applications requiring accurate tolerances. Their strength and durability also make them suitable for heavy-duty industrial uses. Bright bars are available in various shapes such as round, square, and hexagonal. These bars offer excellent corrosion resistance, making them suitable for outdoor and marine environments.



CUSTOMIZATION

Bright bars can be manufactured in various shapes, including round, square, and hexagonal, depending on the application requirements.



DEFINITION

Bright bars are cold-drawn or ground steel bars with a smooth surface finish, usually made from carbon steel or alloy steel. They are known for their precision and high-quality finish.



ROUND BAR

Round bars are cylindrical metal rods widely used in construction, engineering, and manufacturing industries. Known for their durability and strength, these bars are available in various materials like stainless steel, carbon steel, aluminum, and brass, making them suitable for diverse applications. They are commonly utilized in the production of machinery components, fasteners, shafts, and structural frameworks due to their excellent resistance to wear and deformation. Round bars are also highly customizable, allowing manufacturers to tailor their dimensions and finishes to meet specific project requirements.

DIMENSIONAL ACCURACY

The round bar should meet precise dimensional tolerances, including consistent diameter and length, ensuring it fits perfectly in the intended application without additional machining.

MATERIAL INTEGRITY

High-quality round bars are free from surface defects, cracks, or internal impurities. They undergo rigorous testing to ensure uniform strength, durability, and performance across the material.

SURFACE FINISH

A smooth and polished surface finish minimizes friction, improves aesthetic appeal, and enhances resistance to corrosion or wear, making the round bar suitable for various industrial and structural uses.

In addition to their strength, round bars offer remarkable versatility. They are used in both heavy-duty industrial applications and intricate precision engineering projects. For instance, stainless steel round bars are preferred in environments requiring corrosion resistance, while carbon steel variants excel in high-stress situations. Their smooth, uniform surface ensures easy machining, welding, and fabrication, making them a reliable choice for creating high-quality end products. With their adaptability and performance, round bars remain a cornerstone of modern engineering and industrial solutions.



BLACK BAR

A black bar, commonly referred to as a black round bar, is a type of metal bar that is manufactured using hot rolling processes. Unlike polished or bright bars, black bars retain a darker, oxidized surface due to exposure to high temperatures during production. These bars are widely used in construction, manufacturing, and heavy machinery applications because of their robustness and cost-effectiveness. They are typically made from materials like carbon steel, alloy steel, or stainless steel, and come in various sizes and grades to suit different industrial needs.



Features and Applications

Black bars are known for their high tensile strength and durability, making them ideal for structural frameworks, welding, and fabrication projects. While their surface is not as smooth as bright bars, black bars are excellent for applications where surface finish is not a critical factor. They are also more economical, as they require less processing. However, to prevent corrosion in certain environments, these bars may require additional treatments like painting or galvanizing. Black bars are indispensable in industries such as construction, automotive, and shipbuilding due to their reliability and versatility.

SUPERIOR STRENGTH AND DURABILITY

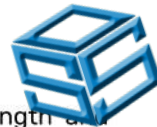
Black bars are manufactured using high-quality materials, ensuring excellent strength and durability. They are designed to withstand heavy loads and challenging environments, making them ideal for construction and industrial applications.

PRECISE DIMENSIONAL ACCURACY

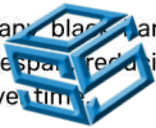
Black bars are produced with precise dimensions and smooth finishes, ensuring consistency in size and shape. This accuracy enhances their usability in machinery, tools, and structural components.

CORROSION RESISTANCE AND LONGEVITY

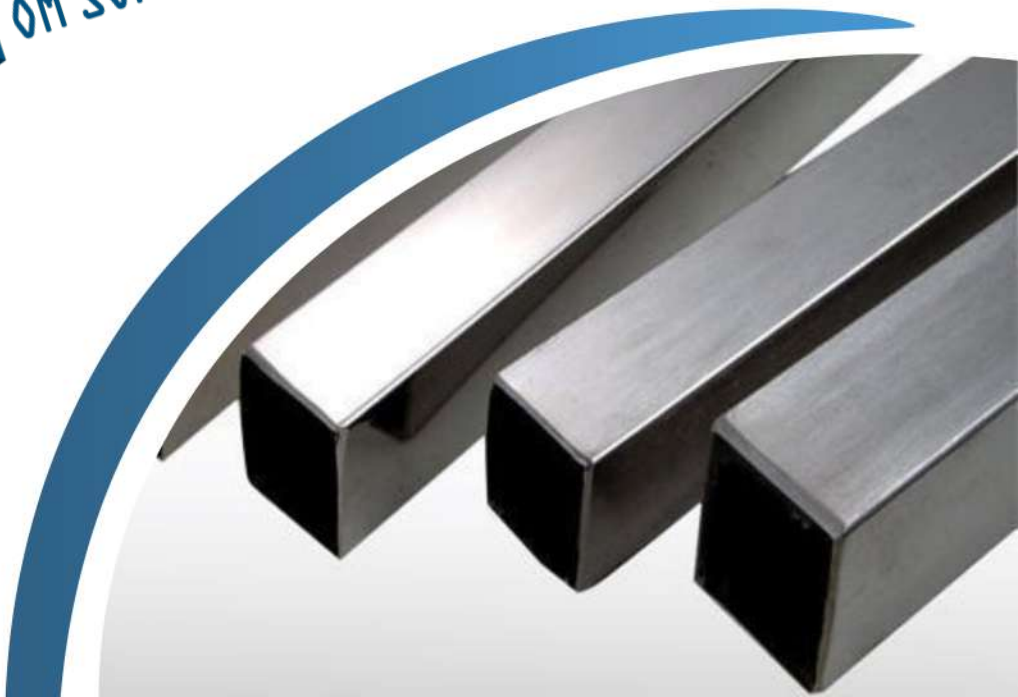
Many black bars are treated for improved resistance to rust and corrosion. This extends their lifespan, reducing the need for frequent replacements and ensuring cost-effective performance over time.



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APPLICATIONS

CHQ WIRE APPLICATIONS

Fasteners Production:
CHQ wires are ideal for making bolts, screws, nuts, rivets, and other fasteners. Their high ductility and excellent surface quality ensure precision and durability in finished products.

Automotive Components:
They are extensively used in manufacturing automotive parts such as engine bolts, gear components, and axle fasteners, where strength and reliability are critical.

Construction and Infrastructure:
CHQ wires are used to produce anchors, pins, and structural fasteners that are vital in building and infrastructure projects.

Electrical and Electronic Industry:
These wires are used in creating connectors, terminals, and other precision components in electrical and electronic devices.

Aerospace Applications:
Due to their superior mechanical properties, CHQ wires are utilized in producing lightweight yet robust components for the aerospace sector.

Appliances and Machinery:
CHQ wires find applications in the manufacturing of parts for household appliances, industrial machinery, and equipment.

BRIGHT BARS APPLICATIONS

Automotive Industry:
Bright bars are extensively used in the manufacturing of engine components, crankshafts, bolts, nuts, axles, and other critical automotive parts. Their superior surface finish and precise dimensions make them ideal for high-performance vehicles.

Construction and Infrastructure:
These bars play a vital role in constructing bridges, buildings, and heavy machinery. Their strength and resistance to corrosion ensure structural stability and longevity.

Manufacturing of Fasteners:
Bright bars are a preferred choice for producing fasteners like screws, washers, rivets, and pins due to their machinability and uniform properties.

Textile Industry:
Components like spindles and gears in textile machinery are crafted from bright bars, ensuring smooth operations and durability.

Railway Sector:
Bright bars are utilized in fabricating railway components such as coach frames, coupling rods, and axles.

Home Appliances:
They are also used in creating components for household items like grills, kitchen utensils, and furniture due to their aesthetic appeal and rust resistance.

BLACK BAR APPLICATIONS

Automotive Industry:
Round bars are widely used in the manufacturing of engine components, crankshafts, bolts, nuts, axles, and other critical automotive parts. Their strong surface finish and precise dimensions make them ideal for high-performance vehicles.

Construction and Infrastructure:
These bars play a crucial role in the construction of bridges, buildings, and heavy machinery. Their strength and resistance to corrosion ensure long-lasting structural stability.

Manufacturing of Fasteners:
Round bars are preferred for producing fasteners such as screws, washers, rivets, and pins due to their excellent machinability and uniform properties.

Textile Industry:
Round bars are essential in crafting components like spindles and gears for textile machinery, ensuring smooth operations and durability.

Railway Sector:
Round bars are used in fabricating railway components, including coach frames, coupling rods, and axles.

Home Appliances:
Round bars are also employed in creating components for household items like grills, kitchen utensils, and furniture due to their aesthetic appeal and rust resistance.

ROUND BARS APPLICATIONS

Automotive Industry:
Black bars are commonly used in the production of engine components, crankshafts, bolts, nuts, axles, and other essential automotive parts. Their robust strength and durability make them suitable for demanding automotive applications.

Construction and Infrastructure:
Black bars are integral in the construction of bridges, buildings, and heavy machinery. Their high tensile strength and resistance to wear and corrosion contribute to structural integrity and long-lasting performance.

Manufacturing of Fasteners:
In the production of fasteners like screws, washers, rivets, and pins, black bars are favored for their excellent machinability and uniform material properties, ensuring reliable and precise products.

Textile Industry:
Black bars are used in manufacturing critical components like spindles and gears for textile machinery, providing the necessary durability and smooth functionality for efficient operations.

Railway Sector:
In the railway industry, black bars are used for fabricating essential parts such as coach frames, coupling rods, and axles, where their strength and resilience are vital for the safety and performance of the railway system.



Thank You

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Our more Information

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