



Baokun Metal Launches High-Performance Induction Hardened Chrome Bar for Industrial Applications

Shandong Baokun Metal Material Co., Ltd has introduced its latest product — the Induction Hardened Chrome Bar, designed to meet the rigorous demands of hydraulic, pneumatic, and industrial applications.

LIAOCHENG, China - July 17, 2025 - [PRLog](#) -- Shandong Baokun Metal Material Co., Ltd, a renowned leader in the metallurgy and steel processing industry, is proud to announce the global release of its latest innovation: the Induction Hardened Chrome Bar. This product embodies advanced engineering, superior durability, and efficiency — all crucial aspects for high-performance hydraulic and mechanical systems.

"Our Induction Hardened Chrome Bar

(<https://www.sdbksteel.com/product/sae-1045-induction-hardened-hard-chrome-plated-rod/>)

represents decades of metallurgical research and expertise put into application. It is built for extreme conditions and precision-engineered to meet and exceed the growing demands of modern industrial sectors worldwide."

Engineered to Meet and Exceed Industry Standards

Today's hydraulic cylinders, pneumatic systems, construction equipment, and automotive components require materials that can not only withstand heavy usage but also deliver consistent performance over time. Shandong Baokun Metal Material Co. Ltd's **Induction Hardened Chrome Bar**(<https://www.sdbksteel.com/product/sae-1045-induction-hard...>) is specifically tailored for these applications.

Key Features and Technical Specifications:

To further clarify what sets Baokun's **Induction Hardened Chrome Bar** apart, here is a detailed overview of its core benefits and specifications:

? Superior Surface Hardness

With a surface hardness ranging between HRC 50 to HRC 65, these bars dramatically reduce material wear caused by sliding friction or abrasive particles, perfect for hydraulic applications in rough-working environments.

? High Corrosion Resistance

The industrial chrome coating, typically between 20 to 30 microns, provides a significant shield against oxidation and rust, even in offshore or chemical-prone settings.

? Exceptional Straightness

Through precision turning and polishing processes, Baokun ensures tight straightness tolerances up to ?0.2mm/1000mm, allowing for seamless integration into hydraulic and pneumatic solutions.

? Inside and Outside Toughness

While the outer layer offers maximum wear protection, the inner core retains sufficient toughness for anti-shock load capacity. This dual functionality is essential for lifting systems and dynamically loaded components.

? Custom Cut Lengths and Diameters

Available in standard sizes ranging from Ø10 mm to Ø200 mm and in lengths up to 8 meters or customized as per client request, these bars are adaptable for almost every industrial application.

About Shandong Baokun Metal Material Co., Ltd

Founded in 2003, **Shandong Baokun Metal Material Co., Ltd** (<https://www.sdbksteel.com/>) has earned a reputation for manufacturing excellence in the cold-drawn pipes, chrome-plated rods, honed tubes, and precision steel components segment. With a focus on customization, quality assurance, and continuous innovation, Baokun serves over 1,500 clients worldwide.

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