

Steel Coil Handling Overhead Crane with C-Type Lifting Hook

Original link: <https://www.globalweihua.com/products/overhead-crane/steel-coil-handling-overhead-crane-with-c-type-crane-hook/>



Steel Coil Handling Overhead Crane

Designed exclusively for the rigorous demands of the steel coil handling industry, our Steel Coil Handling Overhead Crane, equipped with a high-performance C-Type lifting hook, redefines efficiency, safety, and precision in coil transportation. Whether in steel mills, warehouses, logistics centers, or manufacturing facilities that process large-volume steel coils, this specialized [overhead crane](#) delivers unparalleled reliability to streamline your material handling operations and minimize operational risks.

Core Advantages Tailored for Steel Coil Handling

1. C-Type Lifting Hook: Optimal Grip & Coil Protection



Steel Coil Handling Overhead Crane with C-Type Lifting Hook

The integrated C-Type lifting hook is engineered as the perfect solution for steel coil lifting. Its ergonomic "C" shape snugly fits the outer diameter of steel coils, ensuring a stable and secure grip during lifting, moving, and positioning. Unlike generic hooks, the C-Type design eliminates the risk of coil slippage even under full load, while the smooth, wear-resistant contact surface (coated with high-hardness polyurethane or rubber) prevents scratches, dents, or damage to the coil surface—critical for maintaining the quality of finished or semi-finished steel coils. The hook's opening width and inner arc can be customized according to the diameter and weight

of your specific steel coils, ensuring compatibility with a wide range of coil sizes (from small-diameter thin coils to large-diameter heavy coils).

2. High Load Capacity & Stable Operation

Built with heavy-duty structural steel and advanced welding technology, our overhead crane boasts exceptional load-bearing capacity, ranging from 5 tons to 50 tons (customizable for higher loads upon request). The crane’s main beam and end beams are optimized for stress distribution, ensuring minimal deflection even when lifting maximum-weight steel coils. Equipped with a high-precision gearbox and premium motors, the crane operates smoothly with low noise, providing stable lifting and traversing movements—essential for avoiding coil oscillation during transportation, which could lead to coil damage or safety hazards.

3. Precision Control & Operational Efficiency

The crane is equipped with a variable-frequency drive (VFD) system that allows for stepless speed regulation of lifting, trolley traversal, and bridge traveling. This enables operators to control the movement speed with extreme precision, especially when positioning steel coils onto production lines, storage racks, or transport vehicles. The intuitive control panel (available in pendant control, remote control, or cabin control) ensures easy operation, reducing operator fatigue and improving work efficiency. Additionally, the crane’s high lifting and traversing speeds (adjustable according to operational needs) shorten cycle times, enabling faster handling of steel coils and boosting overall production throughput.

4. Comprehensive Safety Protection System

Safety is paramount in steel coil handling, and our overhead crane is equipped with a full suite of safety features to protect operators, equipment, and materials. Key safety components include: overload protection (automatically cuts off power when exceeding the rated load), limit switches (for lifting height and trolley/bridge travel limits to prevent overtravel), emergency stop buttons (easily accessible in multiple locations), anti-collision devices (to avoid collisions with other cranes or structures), and a reliable braking system (ensures the crane and load remain stationary when not in operation). All safety devices comply with international standards (such as ISO, CE) to guarantee operational safety in high-risk industrial environments.

Technical Specifications

Parameter	Specification	Customizable Range
Rated Load	5-50 Tons	Up to 100 Tons
Lifting Height	6-12 Meters	3-20 Meters

Span	10-30 Meters	8-40 Meters
Lifting Speed	0.5-5 m/min (VFD Adjustable)	Customizable per Requirement
Trolley Travel Speed	5-20 m/min (VFD Adjustable)	Customizable per Requirement
Bridge Travel Speed	10-30 m/min (VFD Adjustable)	Customizable per Requirement
Lifting Hook Type	C-Type (Steel + Wear-Resistant Coating)	Custom C-Size for Specific Coil Diameters
Power Supply	380V/3Phase/50Hz	Customizable for Different Voltage Standards
Work Class	A5-A7 (Heavy-Duty)	A3-A8

Ideal Application Scenarios

Our Steel Coil Handling Overhead Crane with C-Type Lifting Hook is specifically designed for use in environments where steel coil handling is a core operation, including:

- **Steel Mills:** Lifting and transporting raw steel coils, semi-finished coils, and finished coils between production processes (e.g., hot rolling, cold rolling, galvanizing lines).
- **Coil Warehouses:** Storing and retrieving steel coils in high-rack warehouses, ensuring efficient use of vertical space.
- **Logistics & Port Terminals:** Loading and unloading steel coils from trucks, trains, or ships, streamlining the inbound and outbound logistics process.
- **Manufacturing Facilities:** Handling steel coils for downstream industries such as automotive, construction, appliance manufacturing, where precise coil positioning is required for further processing.

Why Choose Our Steel Coil Handling Overhead Crane?

We understand the unique challenges of the steel coil handling industry—heavy loads, delicate coil surfaces, and high operational demands. Our overhead crane with C-Type lifting hook is the result of years of industry experience and technical innovation, offering:

- Customized solutions tailored to your specific coil size and handling needs.
- Durable construction for long-term, heavy-duty use with minimal maintenance.
- Maximum safety to protect your personnel, equipment, and valuable steel coils.
- Enhanced operational efficiency to reduce costs and boost productivity.

- Comprehensive after-sales service, including installation, commissioning, training, and maintenance support.

Frequently Asked Questions (FAQ)

- **Q: Can the C-type lifting hook be adapted to different sizes of steel coils?**

A: Yes, the opening width and inner arc of the C-type lifting hook can be fully customized according to the diameter, weight and thickness of your specific steel coils. It is compatible with a wide range of coil sizes, from small-diameter thin coils to large-diameter heavy coils, ensuring a perfect fit and stable lifting for various coil specifications.

- **Q: What is the maintenance cycle of this overhead crane?**

A: The recommended regular maintenance cycle is 6 months for daily inspection and 12 months for comprehensive maintenance. The crane is built with high-quality components and a durable structure, which minimizes maintenance frequency. Our after-sales team will also provide maintenance guidelines and on-site support to ensure the long-term stable operation of the equipment.

- **Q: Does the crane comply with international safety standards?**

A: Absolutely. All safety devices and overall design of the crane comply with international standards such as ISO and CE. Key safety components including overload protection, limit switches and anti-collision devices are rigorously tested to ensure operational safety in high-risk industrial environments.

- **Q: How long is the lead time for customizing this crane?**

A: The lead time for standard specifications is 30-45 working days. For fully customized cranes (such as special load capacity, span or voltage), the lead time is 45-60 working days, depending on the complexity of the customization requirements. We will provide you with a detailed production schedule and keep you updated on the progress.

- **Q: Do you provide installation and commissioning services?**

A: Yes, we offer comprehensive installation and commissioning services. Our professional technical team will go to the site to complete the installation, debugging and performance testing of the crane. In addition, we also provide operator training to ensure your team can use the equipment safely and proficiently.

Contact us today to discuss your steel coil handling requirements, and let our team provide you with a customized overhead crane solution that meets your operational needs and budget!

(注：文档部分内容可能由 AI 生成)