



XIANYANG BOMCO STEEL TUBE & WIRE ROPE CO., LTD.

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高索

Excellence that endures
Define the extraordinary

Gaosuo

About Gaosuo

XIANYANG BOMCO STEEL TUBE & WIRE ROPE CO., LTD

As an independent legal enterprise under China National Petroleum Corporation (CNPC) and CNPC Baoji Petroleum Machinery Co., Ltd., it was established in 1959 with the approval of the Ministry of Petroleum Industry.

Specialized in the R&D and manufacturing of high-end metal products.

- We have been deeply engaged in the metal products industry for over 60 years, with Gaosuo as our core brand.
- We are committed to building a world-class enterprise specializing in high-end metal products with specialization, refinement, uniqueness and innovation
- Solutions of safe & durable wire ropes and slings for extreme working conditions in multiple industries.
- Our products are exported to more than 30 countries across Europe, America, the Middle East and Central Asia, and we deliver reliable supporting products for world-renowned drilling and oilfield service enterprises.
- We have maintained the leading market share in China's domestic oilfield steel wire rope industry for many consecutive years

30+

Exported to more than 30 countries worldwide

6-203mm

Diameter: 6-203 mm

2160MPa

Maximum tensile strength: 2160 MPa

Five major product categories

- Steel Wire Rope
- Steel Wire rope Sling
- Steel Wires & Strands
- Steel Pipes & Mechanical Products
- Steel Structures

5+7

Seven Solutions

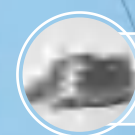
- Drilling & Production Supporting Products
- Port Supporting Products
- Construction Machinery Supporting Products
- Mining Supporting Products
- Marine Engineering Supporting Products
- Engineering Construction Supporting Products
- Other Supporting Products

Global Certification and Partners





Oil Drilling Solution



Well-Measuring Wire



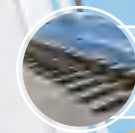
Drilling, Oil Fishing & Workover Wire Ropes



Derrick Raising Line Slings and Accessories



Advanced Oil Production Solutions



Maintenance & Repair Service

- The technical level of oil drilling wire ropes has reached world-class standards.
- Technologies of compaction and ultra-high strength (EEEIP) take the lead in the industry.
- Exported to over 30 countries worldwide.
- Stable supply for top global oilfield service providers.
- Leading domestic market share.

- Top supplier for years running in Sinopec wire rope centralized procurement.
- Delivered efficient services for PetroChina's 10,000m twin ultra-deep wells.
- Led revision of ISO 10425:2023 international standard.
- Co-drafted national standard GB/T 18607-2017.



Port Machinery Solution



Hoisting Wire Rope



Luffing Wire Rope



Trolley Hauling Wire Rope



Lifting Slings Web Slings and Accessories



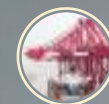
Maintenance & Repair Service

- Pioneered domestic production of port wire ropes in the 1990s.
- ZPMC Excellent Supplier.
- Full coverage of major domestic port groups.
- Credible Supplier, China Port Procurement & Supply Chain Alliance.

- Member, China Changxing Island Intelligent Port Machinery Industry Alliance
- Leading position in domestic port market & national leader in ship unloader sector
- Bulk exports to the Middle East, Southeast Asia and Africa



Construction Solution



Hoisting Wire Rope



Luffing Wire Rope



Trolley Hauling Wire Rope



Lifting Slings Web Slings and Accessories



Maintenance & Repair Service

- Pioneered localized replacement of construction machinery wire ropes.
- High & ultra-high strength (Euro standard 2160MPa) leading the industry.
- Core supplier to China's three major mainstream machinery manufacturers.

- Renowned brand for construction machinery wire ropes.
- Ranked among Top 5 Suppliers of High-end Wire Ropes & Slings for China Construction Machinery Industry.

Mining Solution



Shovel Line



Belt Conveyor Wire Rope



Shaft Hoisting
Inclined Shaft
Hoisting



Wire Ropes and
Slings for Mine
Cableways



Maintenance &
Repair Service

- Presided over the formulation of the national standard Wire Ropes for Electric Shovels.
- Early partner of Taiyuan Heavy Industry, specialized in electric shovel wire ropes
- Supplied products for Asia's largest 8750 dragline shovel at Shenhua Zhuneng.
- The performance of wire ropes for critical mining applications ranks top domestically.
- Bulk exports to Russia, Chile and other regions.

Engineering Solution

Solution



- Models G6A and G7A lead the technological development of power transmission steel strands.
- Successfully supplied products for the Yangtze River Large Crossing project of kV DC transmission lines.
- Zinc-aluminum alloy coating delivers excellent corrosion resistance.
- Leading domestic market share for high-end slope protection wires & steel strands.

- Global strategic partner of ZTT Group.
- Products exported to Africa, the Middle East and other countries and regions, with outstanding performance in the construction of stadiums for the Qatar World Cup.



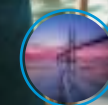
Power Transmission
Steel Strand



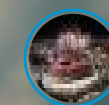
Slope Protection
Steel Strand



TECCO High
Tensile Steel Wire

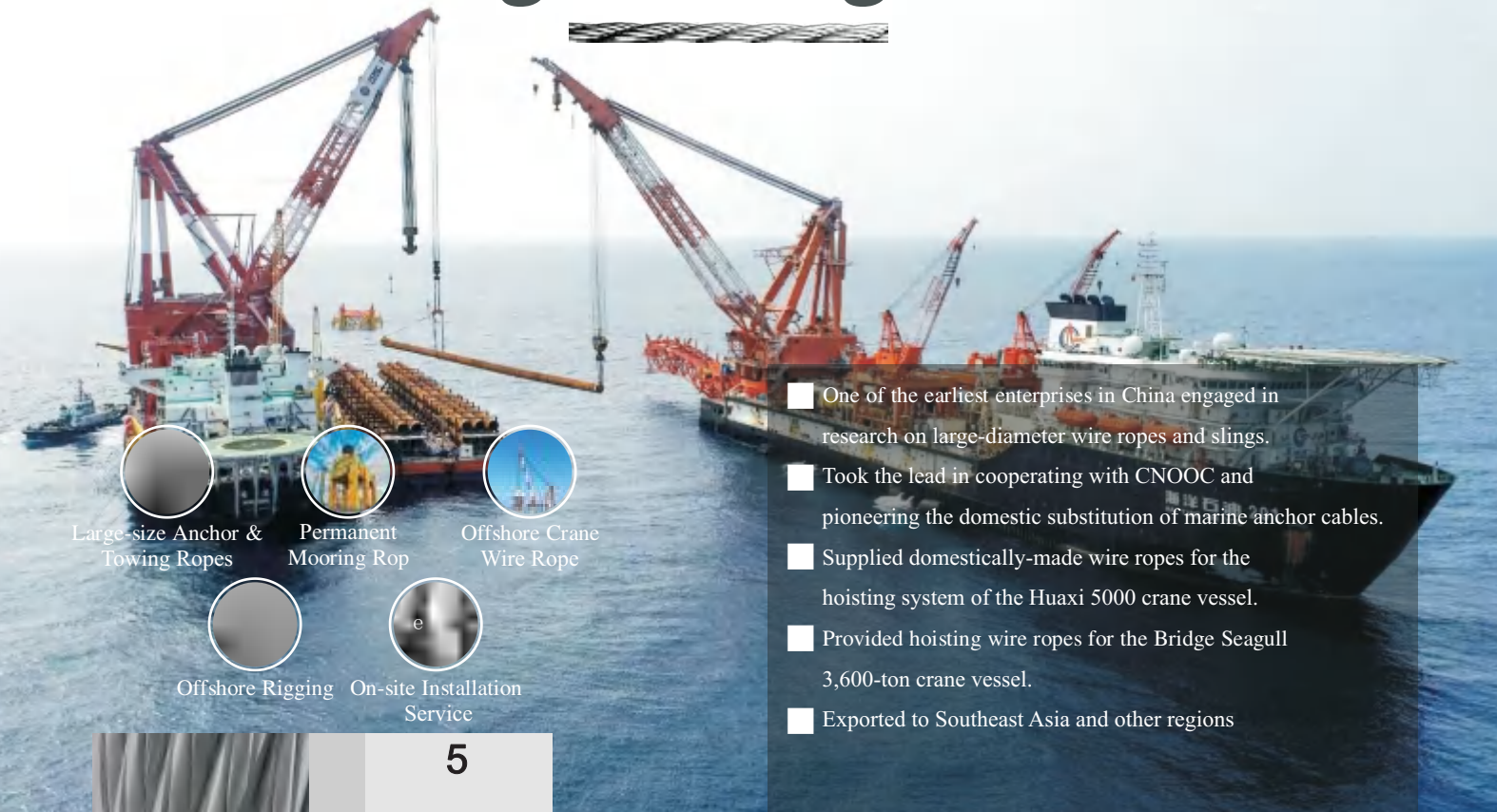


Galvanized Coated
Structural Cable



Bridge Stay
Cable

Marine Engineering Solution



Large-size Anchor &
Towing Ropes



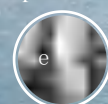
Permanent
Mooring Rop



Offshore Crane
Wire Rope



Offshore Rigging



On-site Installation
Service

- One of the earliest enterprises in China engaged in research on large-diameter wire ropes and slings.
- Took the lead in cooperating with CNOOC and pioneering the domestic substitution of marine anchor cables.
- Supplied domestically-made wire ropes for the hoisting system of the Huaxi 5000 crane vessel.
- Provided hoisting wire ropes for the Bridge Seagull 3,600-ton crane vessel.
- Exported to Southeast Asia and other regions

Other Solution

- Hydropower Projects
- Aerospace
- Ropeway Transportation
- Emergency Rescue



Superior Compaction Technology
Higher Breaking Force at Equal Diameter
Lightweight Equipment with Doubled Service Life

Wide range of specifications:
Wire rope diameters range from 6 mm to 203 mm;
The maximum diameter for plastic-coated rope is 150 mm.

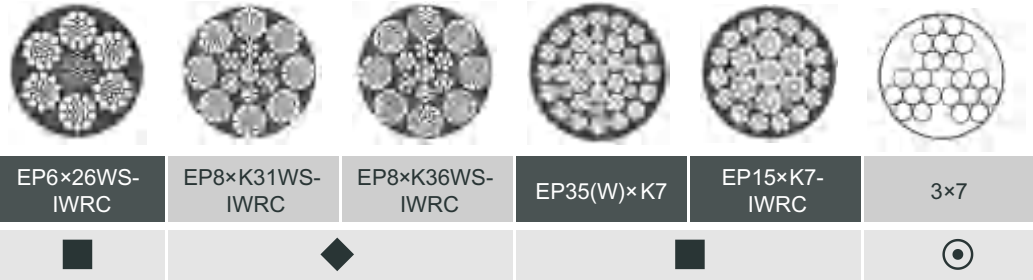
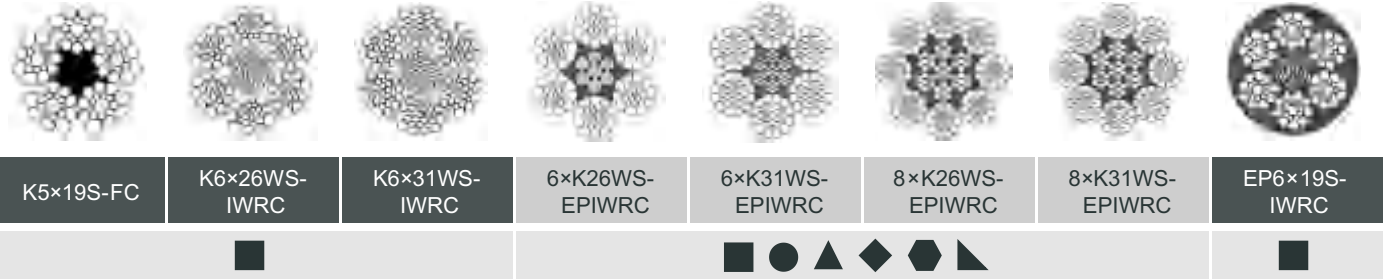
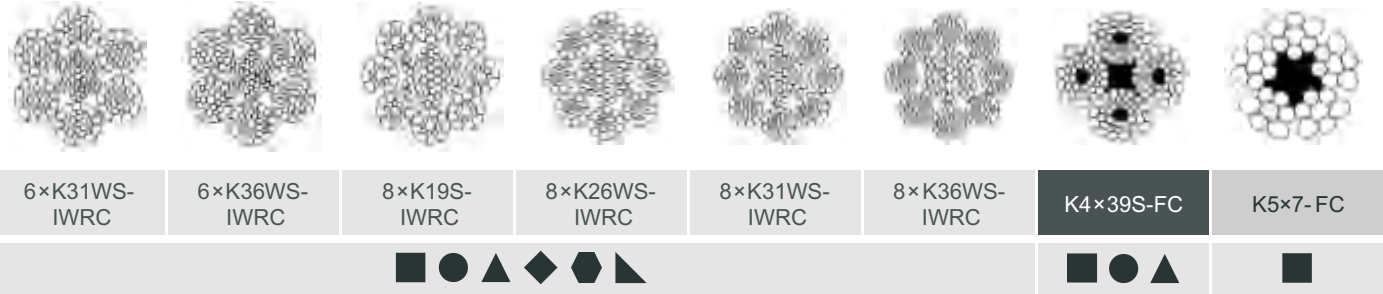
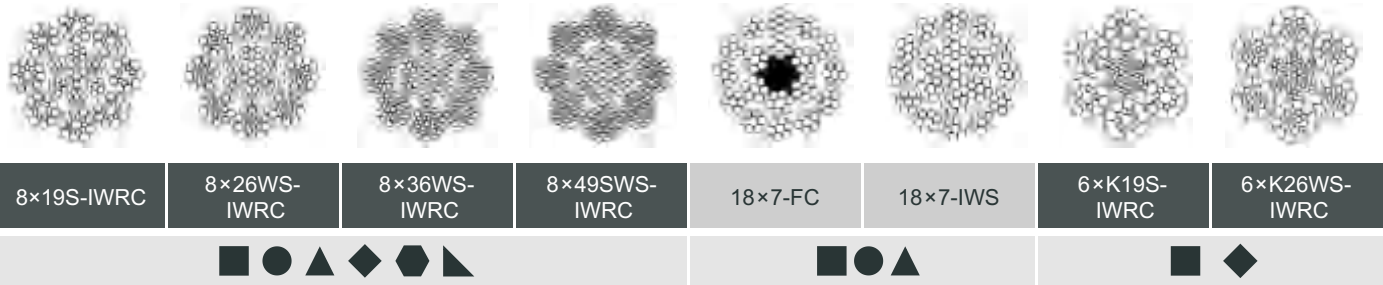
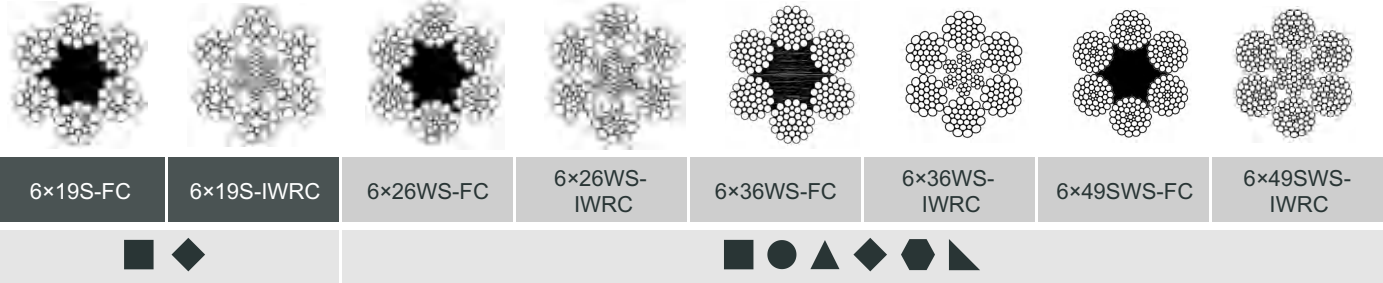
Ultra-high strength grades:
Tensile strength ranges from 1570 MPa to 2160 MPa,
with the top specification reaching European standard Grade 2160.

Full range of structural options:
Point contact, line contact, compacted strand, filled and plastic-coated types
Covers all mainstream constructions

Authoritative classification society certifications:
Possess factory approval certificates issued by classification societies including CCS, ABS, DNV, BV and LR.

Universal compatibility across multiple industries:
Suitable for petroleum, port, construction, mining, offshore engineering, metallurgy, hydropower, aerospace, cable transportation, emergency rescue and other fields

-  Petroleum machinery
-  Port machinery
-  Construction Machinery
-  Mining Machinery
-  Offshore Engineering
-  Ferrous Metallurgy
-  Highway Guardrail





Gaosuo Sling

Wire Rope Sling

Pressed Wire Rope Sling



Performance Characteristics:	The wire rope raw material is self-produced under the Gaosuo brand, featuring superior performance and reliable quality. Eyes are fabricated via Flemish splice technology, eliminating disparity between main and auxiliary ropes for balanced stress distribution and enhanced load capacity. Terminations are pressed with tapered steel sleeves or aluminum sleeves, offering resistance to acid and alkali corrosion. The rope ends are fully enclosed, ensuring safety and neat appearance.
Specification Range:	φ6mm~φ120mm
Executed Standards:	GB/T 30589、SY/T 7654、EN13414-1
Application Scenarios:	For material hoisting, equipment lifting, tensioning and positioning in petroleum & petrochemical, construction machinery, ports, offshore engineering, shipbuilding, metallurgy, mining, manufacturing, aerospace, bridge engineering and other sectors.

Socketed Wire Rope Sling



Performance Characteristics:	Socket and wire rope are connected by hot or cold casting with a 100% consolidation efficiency. Overall tensile testing is performed to relieve internal stress and structural elongation, stabilizing the wire rope structure. Sockets are precision cast or forged, with surface and volumetric non-destructive testing conducted to eliminate potential defects. Materials are selected according to normal or low-temperature operating conditions to prevent low-temperature brittleness risks.
Specification Range:	φ10mm~φ200mm
Executed Standards:	GB/T 30588、SY/T 7654、API RP 9B
Application Scenarios:	Used for hoisting of oil rig derricks and bases, tension ropes for electric shovel booms, main lifting of ship unloaders, ship anchor cables, mooring of offshore platforms, lifting and tension positioning of cranes, and material dragging.

spliced wire rope sling



Performance Characteristics:	Adopting and optimizing advanced North American splicing technology, the sling eye achieves a consolidation efficiency of over 85%, with the overall strength increased by more than 10% compared with similar products. It features balanced stress distribution without tension difference between main and auxiliary ropes.
Specification Range:	φ8mm~φ80mm
Executed Standards:	GB/T 16271
Application Scenarios:	Suitable for lifting of all kinds of objects. Wire rope diameter, length, eye type and accessories can be customized according to the actual size, weight and working conditions of the load.

grommet sling



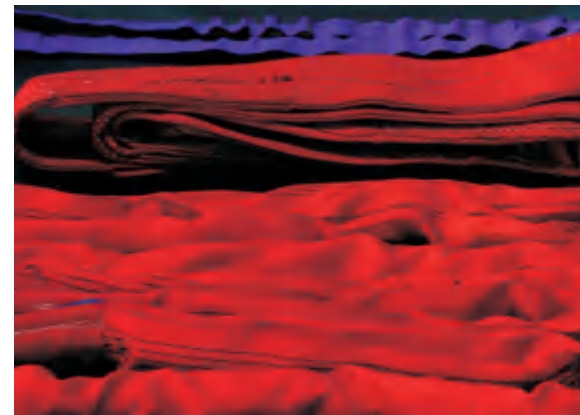
Performance Characteristics:	Made of self-produced high-strength Gaosuo brand wire rope with excellent load-bearing capacity. The annular winding structure provides multiple lifting points and superior flexibility. Available with zinc-aluminum alloy coating technology for outstanding corrosion resistance and extended service life.
Specification Range:	φ20mm~φ380mm
Executed Standards:	GB/T 30587、EN 13414-3
Application Scenarios:	Super-large component hoisting, offshore platform module lifting, chemical construction hoisting, wind power installation, large ship and bridge construction, and narrow space lifting operations.



Fibrous Rope

Braided Fiber Rope

Performance Characteristics:	High-performance fibers including polyester, nylon and aramid are optional, with customized braiding processes available. It features high load capacity, wide temperature resistance range, great flexibility for easy folding and storage, high durability and safety reliability. Precision multi-strand braiding ensures even force distribution.
Specification Range:	φ6mm~φ300mm
Executed Standards:	GB/T 21328、GB/T 11787、GB/T 30668、FZ/T 63035、GB 24543
Application Scenarios:	Material hoisting, ship mooring, equipment traction, cargo lashing, engineering fixing, high-altitude work, climbing and personnel suspension; fire rescue, offshore operation, live-line operation and positioning operation.



ultra-high molecular weight polyethylene braided sling

Performance Characteristics:	Made of ultra-high molecular weight polyethylene fiber with superior specific strength. Adopts inner core and outer sheath double braided structure, featuring compact structure, small hanging space and uniform force bearing. The outer sheath is densely woven with roving yarns, delivering outstanding wear and cut resistance.
Specification Range:	1t~2000t
Executed Standards:	JB/T 8521.2
Application Scenarios:	Widely used for industrial equipment installation and handling, heavy component hoisting, port and terminal operations, warehouse logistics loading and unloading, bridge engineering, wind power infrastructure, and combined multi-sling lifting operations.



Synthetic Fiber Lifting Sling

Performance Characteristics:	Manufactured with high-strength industrial filament of polyester, polypropylene and polyamide, as well as ultra-high molecular weight polyethylene fiber. It features easy traction and excellent thermal stability. The sling colors correspond to rated loads one-to-one, facilitating convenient lifting operation. With low elongation, light weight, easy use and inspection, the sling delivers long service life and stable performance.
Specification Range:	1t~100t
Executed Standards:	JB/T 8521.2
Application Scenarios:	Widely used for industrial equipment installation and handling, heavy component hoisting, port and terminal operations, warehouse logistics loading and unloading, bridge engineering, wind power infrastructure, and combined multi-sling lifting operations.

Gaosuo

Steel Wire and Stranded Wire



Steel Pipe Machinery Products



Sulfur-Resistant Slickline	
Product Advantages:	Engineered with proprietary alloy forming technology for extreme H ₂ S / CO ₂ / chloride environments. Eliminates corrosion fatigue cracking that plagues conventional carbon steel wire..
Size Range:	Φ2.00mm~Φ3.60mm
Standard:	XJ211-2023
Application:	Oil & Gas Field Logging Operations

Steel Wire for Drainage Gas Recovery	
Product Advantages:	Engineered from large-bloom high-carbon steel with proprietary heat treatment and drawing. Achieves 10x torsional cycles versus standard spec. Smooth surface, reliable sealing, extended service life –for prolonged gas production with simple field operation.
Size Range:	Φ4.00mm~Φ6.00mm
Standard:	XJ212-2026
Application:	Water Drainage & Gas Recovery in High-Water-Cut Gas Wells

Galvanized Steel Wire/Zinc-Aluminum Alloy Coated Steel Wire	
Product Advantages:	Thick uniform coating. Strong adhesion. High strength & toughness. Impact-resistant. Smooth surface. Stable in harsh outdoor service.
Size Range:	Φ0.65mm~Φ7.00mm
Standard:	YB/T5343 YB/T4190 JT/T1328 GB/T4240 GB/T 1179 GB/T4357
Application:	power fittings, slope mesh, rope, springs, armored cables

Galvanized Steel Strand/Zinc-Aluminum Alloy Coated Steel Strand	
Product Advantages:	Compact structure. Stable torsion. High tensile strength. Outstanding relaxation resistance. Thick uniform dense coating with strong adhesion. Stable performance in harsh outdoor environments.
Size Range:	Φ6.0mm~Φ24.0mm
Standard:	GB/T20492 YB/T5004 GB/T3428
Application:	Slope protection、Overhead conductors

Sucker Rod Pump	
Product Advantages:	High strength, high reliability, corrosion resistance and wear resistance.
Size Range:	d26.99mm~d139.7mm
Standard:	GB/T 18607、API SPEC 11AX、SY/T 7083
Application:	Suitable for walking beam, tower & drum rod pumping units to draw well fluid from oil wells.

Barrel	
Product Advantages:	Wear & corrosion resistant, high precision, superior straightness, full product range
Size Range:	d28mm~d140mm, Well thickness3.175~9.525mm, Length1.2m~12m
Standard:	API SPEC 11AX、GB/T 18607
Application:	For rod sucker pumps

Cold Rolled Precision Seamless Steel Tube	
Product Advantages:	High rolling precision, high tensile strength, excellent straightness, complete size series.
Size Range:	D38mm~D150mm, Wall thickness3mm~10mm, Length0.6m~12m
Main Materials:	20#、45#、C1026、low alloy steel、stainless steel
Standard:	GB/T 3639
Application:	Tubing and plunger sleeves for sucker pumps, precision steel tubes for pump barrels

Housing Tube	
Product Advantages:	High rolling precision, high strength, excellent straightness, comprehensive size coverage
Size Range:	D85mm~D143mm, Well thickness4.5mm~7.5mm, Length 0.5m~12m
Main Materials:	45#、C1026、304、9Cr1Mo、13Cr等
Application:	Tubing & finished housings for ESP motors, pumps and protectors



Gaosuo

Steel Structure Products



Welded H-Beam

Product Advantages:	High strength & toughness, anti-fatigue, precise welding, high safety redundancy
Size Range:	Custom regular & special-shaped welded H-beams available per client requirements
Standard:	GB/T 33814-2017、GB/T 17744-2020
Application:	Onshore, desert & offshore drilling platforms, all types of construction projects



Rig Moving System

Product Advantages:	Large load capacity, heavy-load adaptability; smooth transit, high alignment precision; synchronized traveling, safe & reliable, modular detachable design
Size Range:	ZJ30/40/50/70/80/90
Standard:	GB/T 33814-2017、GB/T 17744-2020
Application:	Suitable for all harsh oilfield working environments



高素 Service

Gaosuo Services, More Than Just Products

Full Lifecycle. One Integrated Service Ecosystem

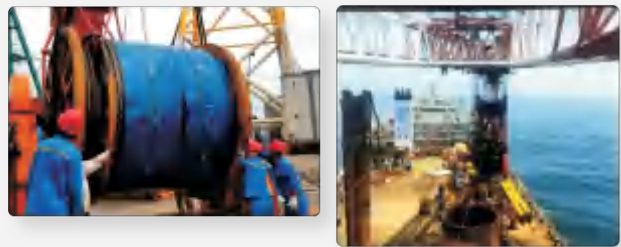
Wire Rope Services

Integrated Lifting Solutions

Sucker Pump Inspection, Repair & Remanufacturing Services

Inspection & Testing Services

Wire Rope Service



Rope Replacement & Installation

Professional Equipment Capabilities

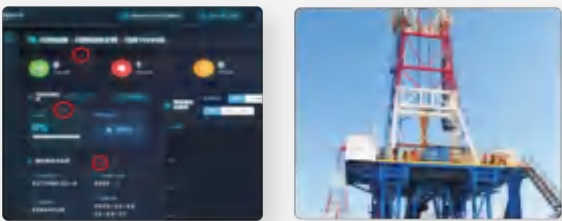
We have 6 dedicated hydraulic installation units (50–250 tons). With powerful performance, they suit wire rope installation across all working scenarios and guarantee efficient, safe work.

Wide service coverage

We serve diverse fields such as marine vessels, mine shafts, engineering and port machinery, offering professional installation and commissioning of various wire ropes.

Professional service capabilities

Our integrated team specializes in wire rope production, installation and commissioning. We maintain proper pre-tension throughout work to ensure superior installation quality.



On-line Monitoring Service

Non-contact Electromagnetic Testing

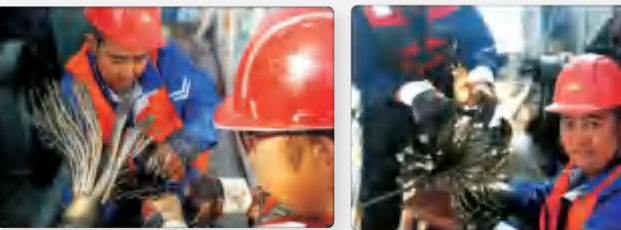
Exclusive intelligent CT scanning for wire ropes detects all broken wires and wear. Empowered by real-time monitoring and AI early warning, we prevent risks before they occur.

Smart O&M & Digital Management

Real-time data capture, anytime remote inquiry and traceable digital reports. Precise data empowers management and cuts labor costs effectively.

Service Strength: World-class Advanced Technology

With world-class technical precision and high system adaptability, it adapts to complex working conditions and ensures all-weather stable operation.



On-site Casting Service

Service Scope

Offering offshore and onshore cold casting for rope sockets. Fully adaptable to all working scenarios and complex conditions.

Service Capabilities

Full support for CCS survey witnessing. Certificates available in 5–10 working days for reliable compliance.



On-line Lubrication Service

Service Scope

Automatic on-line lubrication for wire ropes guarantees adequate grease coverage, prolongs service life and reduces maintenance expenses.

Sealed Pressure Oil Injection Process

Electric or pneumatic drive removes surface sludge, then performs secondary pressure oil injection for uniform grease penetration throughout the wire rope.



Integrated Hoisting Service



Extensive Service Scope

We cater to customized hoisting requirements for diverse industries and scenarios, offering reliable professional service under all working conditions.

One-stop Full-process Service

Full services from solution design, sling customization to on-site guidance. Dedicated one-on-one support for safe, efficient and compliant hoisting.

Rod pump inspection, maintenance and remanufacturing Service



We tackle the low utilization issue of energy-saving ultra-long-stroke sucker rod pumps with one-stop inspection, maintenance and remanufacturing. Professional personnel and equipment guarantee stable operation, higher utilization and better cost-effectiveness.

Inspection Service



Our high-precision facilities cover full-rope tension, torsion, material analysis, flaw detection, coating and solution testing. We offer one-stop quality inspection for wire ropes and metal materials.



高索 Making Safety Simple.

Gaosuo

Building a world-class high-end metal products enterprise that is specialized, refined, distinctive and innovative.

Specialization

Pool resources and improve expertise

Refinement

Lean thinking, outstanding development

Differentiation

Build on strengths, offer unique products and services

Innovation

Base industrial development on innovation;
Power high-quality development via superior innovation.



Gaosuo stays committed to SRDI and creates lasting value for customers.