Hebei Jiuci Petroleum Technology Co., Ltd.

Hebei Jiuci Petroleum Technology Co., Ltd. is a professional and international enterprise deeply engaged in the global oil and gas equipment supporting industry. We integrate **R&D of petroleum machinery parts, quality control, foreign trade export and on-site technical services** as one complete business system. Focusing on global oil and gas exploitation, drilling operations and oilfield maintenance scenarios, we provide highly reliable mechanical parts and supporting technical solutions. With superior product quality, mature production management systems and comprehensive overseas service capabilities, we have deeply cultivated the international market and won high recognition and long-term trust from global clients.

In terms of **product quality**, we always adhere to high international standards for the oil and gas industry. We strictly comply with API, ISO and national standards, exercising full-process control over raw material selection, precision processing, heat treatment, accuracy inspection and finished product verification. Equipped with mature process optimization systems and sophisticated production equipment, we conduct in-depth research on adaptability for various oilfield working conditions. Tailored for complex downhole, high-pressure, high-strength and high-wear operating environments, our petroleum machinery parts feature high strength, excellent wear resistance and superior stability. Compatible with all mainstream oil and gas extraction equipment, our products deliver outstanding fatigue resistance, impact resistance and corrosion resistance, fully adapting to diverse working conditions across global oilfields. We eliminate product defects from the source, ensuring safe, stable, high-quality and efficient operation of oilfield equipment.

In terms of **production and management**, we have established a standardized, refined and fully closed-loop modern enterprise management system covering the entire industrial chain, including R&D iteration, production management, quality inspection, warehousing and logistics, foreign trade delivery and after-sales technical support. Upholding the core values of professionalism, innovation, pragmatism and win-win cooperation, we gather senior industry technical talents and professional foreign trade teams. We continuously optimize production processes, iterate product systems and upgrade management procedures to achieve standardized production, refined inspection and professional services. Rigorous R&D mechanisms, strict quality control standards and efficient internal management ensure consistent and premium quality for every batch of exported products. Meanwhile, we rapidly respond to customized demands, providing personalized supporting solutions for oil and gas extraction parts.

Backed by solid product strength and mature foreign trade operation capabilities, our business network covers **North America, South America, the Middle East, Europe and Asia**, the five core global oil and gas markets, serving numerous major oil-producing countries and oil and gas engineering enterprises. With stable product quality, standardized foreign trade delivery systems and professional cross-border service capabilities, we break geographical barriers, providing global clients with cost-effective petroleum machinery parts and one-stop supporting services. We have built a reputable Chinese brand in the international oil and gas equipment supporting industry.

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Hebei Jiuci Petroleum Technology Co., Ltd.

OUR FACTORY







FLUID END EXPENDABLES

5000 Psi Fluid Ends

Hebei Jiuci 5000 psi fluid end modules are made from 4135 alloy steel, heated and forged for a high mechanical performance and a long working life, rated for all drilling operations up to 5,000psi, machined on CNC machine tools, strictly inspected by the technician with supersonic detecting and other instruments, and packaged for delivery with anti-corrosion protection.

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jiucioiltech.com



Available 5000 P.S.I. Models include:

- BOMCO® F1600
- EMSCO® FB1600,F800/1000,F500
- GARDNER DENVER® PZ11,PZ8, PZ9 , PAH
- NATIONAL® 14P220,12P160,10P130,9P100,8P80, JWS340
- OILWELL® A1700PT
- IDECO® T1300/1600, T800/1000
- SKYTOP BREWSTER ® B1300T
- ELLIS WILLIAMS ®W446,W440
- LANSHI ® 3NB1300C
- TULSA ® TT660

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- **7500 Psi Fluid Ends**
- Hebei Jiuci 7500 psi fluid end modules are made from heat-treated 8630 forging steel.





Ceramic/Zirconia Liner

Hebei Jiuci ceramic liners are designed to use in harsh environments. Liner sleeve made from ceramic/zirconia material extends the service life than regular steel liners. With this unique material, service life can reach more than 4000 hours. This results in less oil rig downtime and offers more efficient budget cost per operating hour, also reduces piston wear and water consumption for lubrication.

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High Chrome Sleeve/ Double Metallic Liner

Hebei Jiuci metallic liner sleeves are structured with maximum amount of chrome for the base metal, inserted into the forged steel hull at full tension. The bore hardness is 60 to 67 Rockwell C scales, while the hull has a higher tensile strength of more than 90,000 psi, liners with these high quality characteristic can withstand mud pressure up to 7,000 psi and rated to match the pressure rating of the pump per liner size with more than 800 hours of working life under normal environment.



File Hard Liner

Hebei Jiuci File Hard Steel liner is made from premium forged steel where the bore is carbonized and quenched. The file hard liner is hardened and heat treated under strict quality control to 62 Rockwell C hardness, offering excellent tolerance to assure easy
installation and long life.



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Valve and Seat

Full Open roughneck style valve is designed for maximum flow characteristics. Hebei JIUCI full open drilling valves combine the strength of a forged alloy steel upper body with precision casting to minimize flow restriction and fluid turbulence. The forged, solid valve body construction, of this valve, with thick, rigid seat, provides durability at high pressures. The single piece, solid body construction of this valve provides the strength and rigidity needed for high pressure drilling operations in the 5,000 to 7,500 psi (34.5 to 51.7MPa) range. The snap on, polyurethane insert on standard replaceable. A non-replaceable bonded insert upgrade is available. Various insert styles and materials are available to suit any drilling condition. Standard polyurethane inserts are good for 170° to 180°F (77° to 82°C) drilling temperatures. The high temperature is specified for all drilling operations up to and exceeding 300°F/7500psi, suitable for water or oil-based muds. Shelf life of polyurethane insert is 5 years.



Pistons



Urethane “Bullnose” Piston

Hebei Jiuci International “Bullnose” Piston is designed to perform in the harshest of drilling conditions, with following features.

- Designed for High Temperature and Pressure Service (325°F/ 7500psi)
- Suitable for oil, synthetic or water based mud
- excellent chemical and abrasion resistance in the most demanding well conditions
- Enhanced piston running life with a proprietary blend of lubricating agents
- Reduced operating costs in challenging operating environments
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Duplex Rubber Replaceable Piston

Replacement Piston Rubbers are made with tough and durable Buna N rubber for all pressures and are ideally suited for either oil-base or water-base mud. A special processing of the fabric provides an unusual waterproof bond of fabric to piston which assures longer life. These high tensile strength pistons will be rated for all drilling operations.

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Triplex Rubber Replaceable Piston

Replacement Piston Rubbers are made with tough and durable Buna N rubber for all pressures and are ideally suited for either oil-base or water-base mud. A special processing of the fabric provides an unusual waterproof bond of fabric to piston which assures longer life. These high tensile strength pistons will be rated for all drilling operations.



Urethane Bonded Piston (Green Duo)

Green Duo Urethane Bonded Piston is constructed of oil-resistant polyurethane bonded to a solid metal hub. As fluid pressure increases, the urethane surface of the piston expands against the liner to complete the seal, even in the enlarged diameter of a worn liner bore. The Green Duo Urethane Bonded Piston offers a longer service than replacement rubber pistons.

Urethane Bonded Piston (HighTemp.)

Designed to perform in the harshest of drilling conditions. It is compatible with all applications and mud types and will withstand operating temperature from 20F to 350F with pressures up to 7500 psi.

- Proven, reliable performance in every piston
- Resistance to high pressures, abrasion and heat and extrusion
- Multi-durometer bonded urethane allows for longer piston life

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High Temp Piston



Rubber Bonded Piston



Rubber Bonded Piston

Designed and manufactured to handle the tough assignments encountered during land and offshore drilling operations. A special processing of the fabric eliminates leakage points and resistance to abrasion.

- Performs Best in the water-based mud
- Excellent Chemical and Abrasion Resistance

Hydraulic Seat Puller Head Kits

- Pulls seat safely, quickly, and efficiently no chance of damage to seat deck
- A complete line of puller heads for any brand seat
- Split-jaw and pancake heads for full-open seats; J-hook heads for stem-guided seats



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Pulsation Dampeners

Hebei Jiuci supplies 5000psi and 7500psi forged and casted steel pulsation dampeners which are inter-changeable and compatible with Hydril series “K” dampeners, Emsco series “PD” dampeners and Bomco series “KB” dampeners. These units are dependable and reliable with API connections.





Other Fluid End Expendables













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Suction Manifold **Discharge Manifold and Cross**





POWER END EXPENDABLES



Crank Shaft, Pinon Shaft and Eccentric Strap

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Crosshead , Slide and Pin

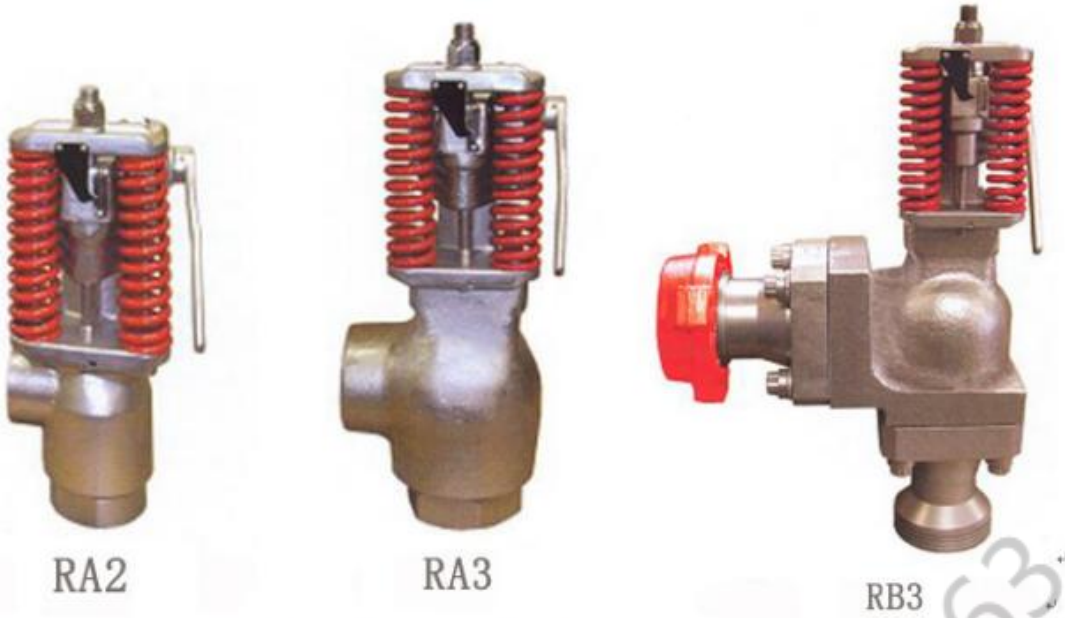
HANDLING TOOLS





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RESET RELIEF VALVE



The reset relief valve is mainly used as the blown off safety valve for drilling mud pump. When the setting pressure is exceeded, the safety valve can automatically open the valve to release pressure. Once the valve releases pressure, it is feasible to complete reset and recover normal operation in several seconds by moving the reset handle. To set the safe pressure value, it is merely required to rotate the nut, namely change the pressure rating. The pressure indicator indicates the pressure value.

Model	Pressure adjustment range (psi)	Connection mode
RA2	1500-5000	Weld or Flange connection
RA3	1500-5000	Weld or Flange connection
RB3	1500-5000	1002 or 1502 Union 1002 or 1502 Union

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