

# Drilling rig disc brake hydraulic station accumulator

What is the main brake of a drilling rig?

The main brake of a drilling rig is the mechanical band brake or the hydraulic/mechanical disk brake system. As the name implies, the primary method of stopping the draw-works drum is by the use of the main brake. It is, therefore, essential that the driller is familiar with its operation, adjustment and maintenance.

What is a disk brake system?

The disk brake system consists of three major components: The Disks. The system uses two hard-faced discs with an internal water jacket on either side of the main drum. The brake system disc thickness will vary from two to three inches depending on the drawworks size. Disc diameter usually is four to five inches larger than with brake bands.

What is drawworks brake system?

The Hydraulic System. Drawworks Brake System can be divided into: The main brake of a drilling rig is the mechanical band brake or the hydraulic/mechanical disk brake system. As the name implies, the primary method of stopping the draw-works drum is by the use of the main brake.

How does a disk brake work?

Since it is a hydraulically operated system, the brake can be controlled from positions remote from the traditional driller's position without complicated mechanical systems. The operation of a disk brake is identical to that of a band brake; manipulate the lever to operate the brake.

What is a magnetic particle drawworks brake system?

Figure 10 is a cross-section of a magnetic particle drawworks brake system. This brake consists of a housing containing coils, a rotor, and a certain quantity of iron powder. Magnetic barriers and magnetic seals prevent the magnetic field, created when the coils are energized, from scattering.

How thick is a brake system disc?

The brake system disc thickness will vary from two to three inches depending on the drawworks size. Disc diameter usually is four to five inches larger than with brake bands. Depending on the size of the drawworks, there are four or six brake system caliper assemblies (two or three on each disc).

A BOP accumulator unit (also known as a BOP closing unit) is one of the most critical components of blow out preventers. Accumulators are placed in hydraulic systems for the purpose of storing energy to be released and transferred ...

Hydraulic Caliper Disc Brake The disc brake system includes crown saver, floor saver, working calipers, emergency calipers, parking brake, over-riding protection, anti-collision alarm and HPU, the brake system meets the drilling ...

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The hydraulic station supply hydraulic power for the system; the control panel controls the hydraulic power, it is made up of service brake assembly, parking brake assembly, emergency brake assembly and all kinds of pressure ...

Used Land Drilling Rig for Sale Land Rig - Lewco/Cameron LDW 750K - For Sale Used Rig - 1500HP - For Sale ... accumulator, 120 gal, 5 station with remote, 4 1/16" 5000# x 2 1/16" ... w/2 AC 1150 input, gear drive. Hydraulic Actuated, ...

Powered by hydraulic oil, it provides safe and reliable braking torque for the drilling rig. It can realize the functions of working brake, parking brake, over-roll protection, emergency ...

High quality Hydraulic Complete Disk Brake Drilling Rig Drawworks 35-440 KN M from China, China's leading Disk Brake Drilling Rig Drawworks product, with strict quality control Hydraulic Drilling Rig Drawworks factories, producing high quality Drilling Rig Drawworks 440 KN M ...

ZJ40 / 2250L drilling rig is my company based on: SY / T5609-1999 standard, API specification design and production of mid-drilling equipment. ... TPQ / ATD series push the disc clutch, PZ30 / PZ40 hydraulic disc brakes, WCB224 / 324/236 series of water-cooled brakes, drills transmission box (corner boxes, and wagons, wheel gearbox, positive ...

Used Drilling Rig 1500hp National 110 Drilling Rig National 110 Drilling Rig for Sale in USA National 110 Land Drilling Rig - 1500hp . Drawworks : National 110-UE 1500 HP, low low rated 605,000#, single line pull, w/10 lines, ...

Wichita Air actuated water cooled 325 disc brake, 1 &#188;" wirerope 6x19 IWRC. Prime Power. Ross Hill SCR System, (3) generator bays, (4) SCR bays, ... 5 station with remote, 4 1/16" 5000# x 3 1/8" 5000# choke. manifold. Fuel Tank: 18000 gal. ... National 610-E 750 HP Drilling Rig for Sale, ID WR514: Your name :

Your position: &gt; Product &gt; Drilling Equipment &gt; Rig Components &gt; Hydraulic Disc Brake Device ... Product Explanation: Hydraulic disc brake device consists of hydraulic station, control console, braking actuator and pipeline part Our company can support mechanical brake handle type or electronic brake handle type hydraulic disc ...

PZ Series Hydraulic Disc Brake. ... Hydraulic station: BK-Z: quick connector: 3/8BSP: Direct acting relief valve: BK-F-Y: plastic pipe clamp: THPG1-228: Inverted pressure line filter: ZU.1-E25&#215;10BD-P: ... 9000m 12000m ...

Powered by hydraulic oil, it provides safe and reliable braking torque for the drilling rig It can realize the functions of working brake, parking brake, over-roll protection, emergency braking and so on

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HP Mechanical Drilling Rigs for Sale . Home: Biofuels: Oil & Gas Directory: Glossary: Training: News: Newsletter: Events ... 1500 Hp mechanical drawworks with disc brakes and Eaton friction brake. Rotary Table: A CE 27 1/2" rotary, independently driven by one (1) EMD D79, 800 HP DC motor. ... 7 station accumulator. A 10,000 PSI flexible ...

In the field of oil and gas equipment, the hydraulic disc brake is mainly used as the main brake for drilling drawworks of the workover rig and the rig. Model

Disc Brake System for the drilling rig, workover rig. The system consists of three parts: brake actuation mechanism, hydraulic station and operation panel. These three parts are connected through hydraulic pipes.

High quality API Standard Hydraulic Disc Brake For Drilling Rig Brake System factory from China, China's leading API Standard Hydraulic Disc Brake For Drilling Rig Brake System product market, With strict quality control Drilling Rig Brake System factories, Producing high quality Drilling Rig Brake System products.

High quality 250L Drilling BOP Hydraulic Station 18ml/Times from China, China's leading 250L Drilling BOP product, with strict quality control 250L Hydraulic Station factories, producing high quality 18ml/Times Hydraulic Station products. ... BOMCO F1600 Drilling Rig Mud Pump 1600KW Drilling Rig Mud Pump bomco mud pumps 1600.

Pump motor of disc-brake 2&#215;3kW. Pump motor of oil feeding 0.75kW. Pump motor of oil feeding 0.75kW. Motor of cooler 0.75kW. Heater power =3&#215;26kW. Max. Power of radiator 18.6kW. Overall dimension (L&#215;W&#215;H) 1800&#215;1860&#215;1680mm. Weight 1650kg. This HPU serve hydraulic disc brake and Hydraulic tools, all necessary hose and joint provided.

Hydraulic Station Valve Island AssemblyZJ40 TY01-01-00 Combination washer ZJ70DB F27 Line filter ZJ70DB SPX-06&#215;25 Manual reversing valve ZJ70D 4WMM 16G50/F Hydraulic station oil filterZJ32L 39.21.06 ZU-H250&#215;30FS Disc brake hydraulic line ZJ70DB PSZ65-A8I-1900 Accumulator capsulesZJ70DB PSZ-NXQ-F6.3/200 FilterZJ50D TDZU ...

High quality API Standard Hydraulic Disc Brake For Drilling Rig Brake System from China, China's leading API Hydraulic Disc Brake product, with strict quality control API hydraulic disk brakes factories, producing high quality 85 kN Hydraulic Disc Brake products.

The hydraulic station has double motor-driven pump with multiple accumulator structure together with hand pump, heating and cooling devices so as to provide reliable hydraulic power for actuator. The control system is valve-embedded ...

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Draw Works - Free download as Word Doc (.doc / .docx), PDF File (.pdf), Text File (.txt) or read online for free. The document provides information about drawworks, which are important equipment on drilling rigs used to ...

High quality 250L Drilling BOP Hydraulic Station 18ml/Times from China, China's leading 250L Drilling BOP product, with strict quality control 250L Hydraulic Station factories, producing high quality 18ml/Times Hydraulic Station ...

Brake : Double Disc Assist 48X8 . Rotary Table : 20' Rotary Table . Swivel : ... Accumulator : 2010 Burnsco single station, 8 bottle 3000 lbs spool with remote closing controls . ... Service King 675 hp Drilling Rig. Description SK675 ...

o Universal disc brakes o Band brakes o NOV friction-plate brakes o Hydraulic caliper disc brakes o Air caliper disc brakes o Baylor's eddy current brakes Why choose our drawworks? AC motors We manufacture 1150 and 1500 horsepower AC induction motors specifically designed for continuous drawworks oilfield drilling duty.

When hydraulic oil is forced into the accumulator by a small volume, high-pressure pump, the nitrogen is compressed, storing potential energy. When the BOP's are activated the pressured oil is released, either ...

The hydraulic disc brakes and their control systems for drilling rigs has been inundated with the highest technological advancements as we have the independent intellectual property rights to prove it. Pushing forward Forland ...

The drill rig does not require any connection to external ... Inflating device for accumulator Specification TS2-430 OPERATOR'S SAFETY CABIN Cabin certification FOPS / ROPS (ISO 3449) ... Hydraulic oil immersed multiple disc brakes on both brakes Tramping speed 12 km/h (horizontal) 5 km/h (14% incline) ...

With double brake and enough storage brake torque, reliable and safe. With emergency manual pump and energy accumulator to make sure continue operating and safety braking when ...

It provides hydraulic pressure to the service calipers and the emergency calipers, allowing the operator to easily maintain smooth and precise block movement. The Drawworks Disk Brake System has dual oil resources, ...

High quality API 7K Hydraulic Disc Brake Spares For Oil Rig Drawworks from China, China's leading Hydraulic Disc Brake Workover Rig product, with strict quality control Drawworks hydraulic brakes factories, producing high quality ...

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API 7K Drawworks Spare Parts PSZ Hydraulic Disc Brake Unit . PS series hydraulic disc brake device is an integrated product of mechanical, electrical and hydraulic, which is an important part of the winch. PS series hydraulic disc ...

Web: <https://eastcoastpower.co.za>

