



Specialist for Pumping Technology



INNOVATION
EFFICIENCY
QUALITY

DRILL STEM DRIVE

Hydraulic Decoking System

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Hydraulic Decoking System

Ruhrpumpen™ has designed and patented a Drill Stem Drive (DSD) which follows consequently the concept of modules. This eliminates much of the routine maintenance required for existing swivel (rotary joint).

The Drill Stem Drive can be installed in new units or for revamps without interruption to decoking operations. The DSD fits within the existing swivel envelope (+/-3") and can be adapted to the existing crosshead without modification to the control limit switches or mechanical stops. The connection to the drill stem is designed as standard flange.

DESIGN CONDITIONS

| | |
|--------------------------------|---|
| Max. load | 65,000 kg / 143,000 lbs @ 15 rpm |
| Max. operating pressure | 420 bar |
| Driver | Electrical, hydraulic or pneumatic |
| Temperature | Standard: -20° C (-4°F) Low temperature: -50° C (-58° F) |

FEATURES

Reduced maintenance

| | |
|------------------------------------|--|
| Lubrication of main bearing | Automatic greaser with elimination of oil reservoir |
| Cartridge design | Casing and high pressure piping Bearing/gear cartridge Drive unit with auxiliary gear Seal cartridge designed for quick replacement |

Improved maintainability

| | |
|------------------------------|--|
| Bearing, one Lifetime | 11 years life time |
| Cartridge design | Reduces the number of parts to four sub-assembly Allows for quick repair on the cutting deck Reduces requirement for crane |

ADDITIONAL SERVICES

In addition to being able to provide equipment for replacement, our DCU Service and Repair Centers located in Houston, Texas and Edmonton, Canada can provide parts and perform repairs for all of your existing equipment such as combination cutting tools, decoking valves, isolation valves, rotary joints and jet pumps.

Ruhrpumpen can provide qualified personnel to supervise or perform cartridge change out on the cutting deck.



Drill Stem Drive, equipped with Hydraulic Motor



Drill Stem Drive, equipped with Electric Motor



Catridge design allows easily and Quick exchange Packing Cartridge

www.ruhrpumpen.com
email: info@ruhrpumpen.com

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