



Specialist for Pumping Technology



DRILL STEM DRIVE

HYDRAULIC DECOKING SYSTEMS

Hydraulic Decoking Systems Drill Stem Drive



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-assemblies
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 Center located in Houston, Texas, 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



Cartridge design allows easily and Quick exchange Packing Cartridge