

# G2000

## PC PUMP DRIVE

### Key Features

- Zero Spill® top mounted stuffing box
- Helical Gear driven, no sheaves or belts
- Centrifugal brake

### Benefits

- Environmental Protection
- No wear on Polished rod
- Less down time, Less maintenance
- Safe, Quiet



Technology Inc  
*The Problem Solver*



# G2000 PC PUMP DRIVE

## Safety

- No sheaves and belts
- Motor speed does not exceed Nema standards during backspin
- Centrifugal brake will work even if there is no oil, the wrong oil or the oil is too cold to pour
- Braking does not depend on hydraulics
- Tamper proof - there are no brake adjustment controls
- No wear on brake engagement mechanism while turning forward
- No exposed polished rod below the drivehead
- Polished rod guard is standard

## Ease of Use

- Top mounted stuffing box - readily field serviceable at minimal cost
- No braking below 250 rpm (with 3.65 ratio) so fluid above the pump dumps quickly and completely. Less waiting time for servicing or restarting, safer for rig crews when pulling polished rod, easier to restart, less rod problems.
- Lifting points for the drive and electric motor. Flanged C-face motor mount for safe, easy installation.

## Reliability

- No belts - reduces maintenance and down time
- Floating standpipe eliminates lower shaft seals and eventual leakage thus preventing loss of lube oil
- Packings - Lube pressure opposes well pressure to flush out abrasives
- The self-aligning standpipe solves the packing resilience problem, these measures enable packings to outlast any known lip seal technology
- Oil immersed braking - Same materials as caterpillar steering clutches, expected wear life over 20 years
- High thermal capacity - Big pumps and deep wells can damage drives due to overheating. The Oil Lift 2000 has the highest thermal capacity in the business since the entire gearbox acts as a heat sink.
- Lube oil filter - Oil is continuously filtered to improve component life
- Internal plumbing - There are no external lines or fittings to get damaged and cause downtime

## Versatility

- Gear ratio for light or heavy oil
- Hydraulic drive adaptor plate and coupling easily mount a hydraulic motor instead of an electric motor

## Environmental Protection

- Zero spill® stuffing box. Any packing leakage goes down the flow line, nothing goes on the ground.
- No need to remove the drive to service the stuffing box.

## Specifications

- Parallel shaft helical gearbox with provision to direct mount an electric motor, G2000HS has 3.65 ratio for light oil. G2000LS has 7.78 ratio for heavy oil.
- Zero spill® top mounted environmental stuffing box
- Pressure lubricated gears and stuffing box
- Thrust bearing Ca90 rating 33,500 lbs. Polished rod load rating 17,800 pounds at 500 rpm for 25,000 hours
- Optional thrust bearing Ca90 rating 80,000 lbs. Polished rod load rating 42,200 pounds at 500 rpm for 25,000 hrs.
- Oil immersed centrifugal brake on the input shaft, engaged only during backspin
- 1 1/4" or 1 1/2" polished rod
- API 3 1/8" 3000# R31 studded mounting flange
- Weight with oil 1,200 lbs

## Options

- Adapter plate and flex coupling for IEC motors
- Hydraulic motor adapter kit
- Low stuffing box pressure switch
- Shipping stand



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