

Oil Lift – Driveheads

Gear Drive – Belt Drive – Hydraulic Gear Drive

Overview

Oil Lift's family of wellhead drives are engineered to offer Progressing Cavity Pump operators a drive to fit any application, regardless of the site's needs, preexisting equipment or well characteristics. With 8 different models, each available in a number of ratios, motor size and torque rating configurations. Our comprehensive line of drive heads is designed with longevity in mind in an effort to lower your total cost of ownership.

The Oil Lift Drivehead coupled with an oil immersed centrifugal braking system that allows a safe and controlled backspin. The patented top mounted field serviceable Oil Lift Zero Spill stuffing box is included as a standard for ease of service.

Key Features

- Patented Zero Spill® top mounted environmental stuffing box
- Patented centrifugal brake
- All drives compatible with Oil Lift's patented continuous rod technology giving customers the ability to run the rod directly through the drive removing the need for a polished rod

Options

- Stuffing Box leakage monitoring shutdown switch
- Tachometer
- Hydraulic motor capability
- Hold down hooks/polished rod ejection clamp
- Contact Oil Lift for additional options

Oil Lift Drive Types



Gear



Belt



Hydraulic

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Gear Drive – Belt Drive – Hydraulic Gear Drive Selection Chart

Oil Lift Driveheads Specifications	Belt Drives			B1200 Twin	Gear Drives			Hydraulic Gear Drives		
	B500	B1000	B1200		G1500	G2000	H1800	H1900		
Reduction Type	Belts and Pulleys (Variety of ratios available)								4.63:1	4.63:1
Polished Rod Speed (1800 rpm Motor), rpm	600								7.78:1	7.78:1
Max Operating Torque (1800 rpm Motor), lbf.ft (N.m)	500 [678]	1,200 [1,627]	2,600 [3,525]	2,600 [3,525]	543 [736]	805 [1,091]	1,331 [1,804]	1,853 [2,512]	2,000 [2,712]	
Polished Rod Speed (1200 rpm Motor), rpm	600								154	154
Max Operating Torque (1200 rpm Motor), lbf.ft (N.m)	500 [678]	1,200 [1,627]	2,600 [3,525]	2,600 [3,525]	814 [1,104]	1,208 [1,638]	1,997 [2,708]	2,779 [3,768]	N/A	
Thrust Bearing Ca 90 Rating, lbf (kN)	25,900 [1115]	33,500 [149]	33,500 [149] or 73,300 [326]	73,300 [326]	33,500 [149]	73,300 [326]	33,500 [149]	73,300 [326] or 98,000 [436]	N/A	
Thrust Bearing ISO Rating, lbf (kN)	100,000 [445]	130,000 [579]	130,000 [579] or 283,000 [1260]	283,000 [1260]	130,000 [579]	283,000 [1260]	130,000 [579]	283,000 [1260] or 382,000 [1700]	33,500 [149]	
Power Rating Range, HP (kW)	5 - 40 [4 - 30]	10 - 75 [7.5 - 55]	10 - 125 [7.5 - 90]	50 - 150 [37 - 110]	33,500 [149]	73,300 [326]	10 - 125 [7.5 - 90]	10 - 125 [7.5 - 90]	130,000 [579]	
Maximum Motor Size, Nema (IEC)	40 HP @ 1200 rpm Frames: 364TT [225S]	75 HP @ 1200 rpm Frames: 405T [250M]	125 HP @ 1200 rpm Frames: 445T [280M]	2 x 75 HP @ 1200 rpm: 405TC	50 HP @ 1200 rpm Frames: 365TC [225M]	125 HP @ 1200 rpm Frames: 445TC [280M]	125 HP @ 1200 rpm Frames: 445TC [280M]	125 HP @ 1200 rpm Frames: 445TC [280M]	"D" and "C" faces available	
Max Driven Sheave, in (mm)	23.6 - 5V Sheave [600]	31.5 - 5V Sheave [800]	31.5 - 5V Sheave [800]							
Minimum Center Distance, in (mm)	18 [457.1]	25.75 [654.05]	27 [685.8]							
Maximum Center Distance, in (mm)	24.8 [629.9]	28.5 [723.9]	33.5 [850.9]							
Main Shaft Type	Hollow									
Main Shaft Diameter, in (mm)	4 [101.6]	4.25 [107.95]	4.25 [107.95]							
Polished Rod Capability, in (mm)	7/8 [22.225], 1 [25.4], 1-1/8 [28.57], 1-1/4 [31.75] and 1-1/2 [38.1]									
Height (Bottom of Flange to Top of Clamp), in (mm)	31.5/8 [803]	35-7/8 [911]	36-1/4 [921]	39 [991]	24-1/8 [613]	24-1/8 [613]	24-1/8 [613]	24-1/8 [613]	26-1/8 [663]	
Backspin Control	Centrifugal Brake									
Weight - excluding motor, lbs (kg)	700 [318]	1,000 [454]	1,300 [590]	1,400 [635]	1,000 [454]	1,300 [590]	1,300 [590]	1,300 [590]	700 [318] includes hydr. Motor	

COMMON SPECIFICATIONS

- Wellhead Drive Connection Type, Imperial (metric)
- Max Operating Temperature, °F (°C)
- Stuffing Box Ratings:
 - Max Flow Line Temp (Std), °F (°C)
 - Max Flow Line Temp (HI Temp), °F (°C)
 - Max Flow Line Pressure (Std)^{1/2}, psi (kPa)
 - Max Flow Line Pressure (High Pressure)^{1/2}, psi (kPa)

1. Depending on flow line pressure
 2. Max Stuffing box differential pressure of 150 psi

Contact Oil Lift for additional options:

- Tachometer
- Stuffing Box Leakage shutdown switch
- Hold Down Hook/ Polished Rod Ejection Clamp
- Extended Polished Rod Guard
- Coiled Rod Drive
- Hydraulic Motor Adapter (Electric Drives)