

Oil Shear Clutches & Brakes for Heavy Moveable Structures



The advantages of Clutches and Brakes with Oil Shear Technology over the competition.

- **Longer life**—in typical applications it is not unusual to see 5 to 10 times the service life of most competitive products.
- **No Regular Maintenance***—There is no regular maintenance replacing friction discs, pads, or shoes, bearings, O-rings, or coils.
- **No Adjustment—Ever!** - The unique design and Oil Shear Technology eliminate the need for regular adjustment.
- **Quiet Operation**—the combination of Oil Shear Technology and the heavy sealed housings eliminate the sharp noise of engagement and eliminate any squeal of acceleration or deceleration.
- **Higher Cycle Rates**—Oil Shear Technology enables higher cycles rates by continuously removing heat in the friction stack.
- **Less Down Time**—The unique design, high quality components and Oil Shear Technology mean less chance of failure causing unexpected downtime.

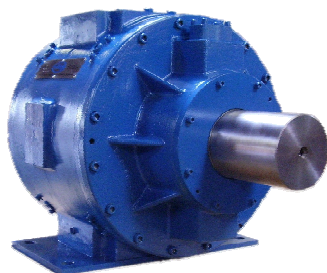
**Annual fluid change recommended for maximum performance and life.*



Force Control Clutches and Brakes are ideal choices for many heavy moveable structures such as moveable bridges, stadium roofs, locks, dams or large bulk material handling equipment such as trippers, dumpers, loaders or stacker reclaimers.

Force Control products are designed for heavy duty applications. The solid cast iron or cast aluminum, totally enclosed housings, hold internal parts rigid, resist breaking or cracking, and prevent dust, dirt or moisture from entering the friction area.

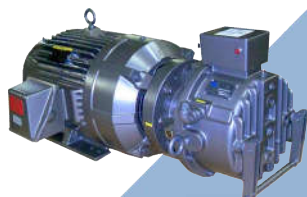
Oil Shear Technology, the method of flowing torque transmitting transmission fluid through the friction stack, puts a film of fluid between the friction discs and drive plates during high speed slip that reduces mechanical wear, and removes the heat that degrades the friction materials. This process also lubricates the inner components such as anti friction bearings and splines.



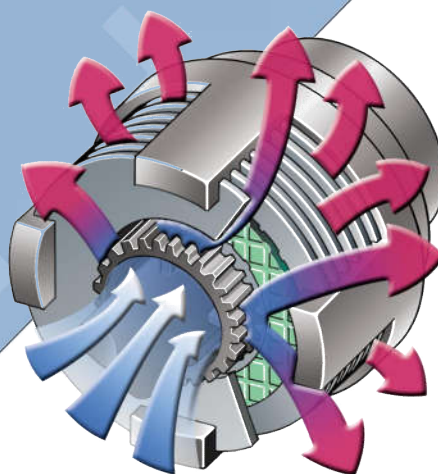
Positorq Brake
Hydraulically Actuated Brake
150,000 Lb. Ft. Static Torque
70,000 Lb. Ft. Continuous Slip



Posidyne Clutch
Hydraulically Actuated Clutch
78,000 Lb. In. Torque
Totally Enclosed, Marine Duty



MagnaShear™ Brake Motor
25 HP Motor with 200 Lb. Ft. Brake
Arctic Duty (-40), Marine Duty
Bio-Degradable Fluid



Call Today! 800-829-3244

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Force Control Brakes Featuring Oil Shear Technology



MagnaShear

Spring Set— Electric Release
Coupler Brake



MagnaShear

Spring Set—Electric Release
Motor Brakes—Blower Motor



MagnaShear

Spring Set—Electric Release
Motor Brake—Encoder



MagnaShear

Spring Set—Electric Release
Low Temp. Motor Brakes



Posistop

Spring Set—Air/Hyd. Release
Motor Brakes



Posistop X Class

Spring Set—Air Release
Motor Brakes



Posistop X Class

Spring Set—Air Release
Custom Air Coupler Brake



Posistop

Spring Set—Air Release
Servo Motor Brake



Positorq

Continuous Slip
Foot Mounted Brakes



Positorq

Dynamic Stop—Continuous Slip
Drawworks Brakes



Positorq

Hold, Dynamic, Continuous Slip
Mooring, Anchor Winch Brakes



Positorq

Forced Lube Cooling Unit
Hydraulic Actuation

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