

MAINTENANCE FREE OIL SHEAR CLUTCHES & BRAKES FOR THE MARINE INDUSTRY



Force Control Clutches and Brakes are ideal choices for many marine applications such as cranes, hoists, drawworks, winches, or containers, drilling rigs, and large bulk material handing equipment such as trippers, dumpers, loaders or stacker reclaimers.

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

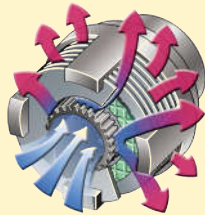
Oil Shear Technology, the method of flowing torque transmitting transmission fluid through the friction stack, puts a film of fluid between the friction discs and drive plates during engagement that reduces mechanical wear, and removes the heat that degrades the friction materials. This process also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

Marine duty components, coating, and fluids and custom drive packages are available for shipboard or portside applications in salt or freshwater.



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, etc.
- **No Adjustment—Ever!** - The unique design and Oil Shear Technology eliminate the need for regular adjustment.
- **Totally Enclosed Housing**—The heavy duty cast housings are sealed and can be furnished with desired marine coatings. No internal corrosion due to moisture inside the unit.
- **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.*



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



Positorq Large Mooring Winch 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



800-829-3244

Made in the USA—Shipped Worldwide

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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