



## 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 handling equipment such as trippers, dumpers, loaders or stacker reclaimers.

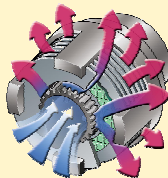
Force Control products are designed for heavy duty applications. The solid cast iron or cast aluminum, totally enclosed housings, hold internal parts rigid, resist breaking or cracking, and prevent dust, dirt or moisture from entering the friction area.

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.

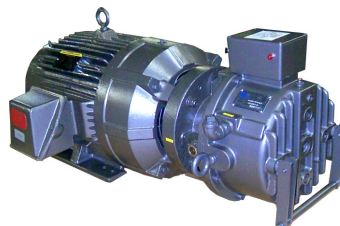


### The advantages of Clutches and Brakes with Oil Shear Technology over the competition.

- **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.*

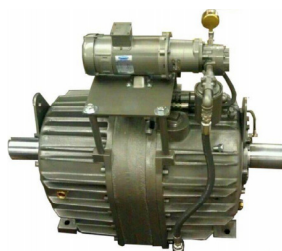


**MagnaShear™ Brake Motor**  
25 HP Motor with 200 Lb. Ft. Brake  
Arctic Duty (-40), Marine Duty  
Bio-Degradable Fluid



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

800-829-3244



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



**Made in the USA—Shipped Worldwide**

Force Control Industries, Inc. | 3660 Dixie Hwy. Fairfield, Ohio 45014 USA  
Phone: 513-868-0900 800-829-3244 | Email: [info@forcecontrol.com](mailto:info@forcecontrol.com) | [www.forcecontrol.com](http://www.forcecontrol.com)

# Force Control Brakes Featuring Oil Shear Technology



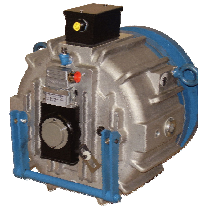
**MagnaShear**

Spring Set—Electric Release  
Coupler Brake



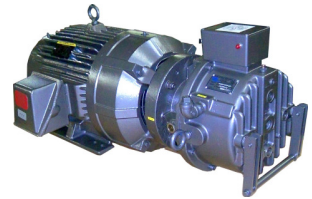
**MagnaShear**

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



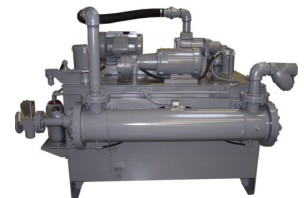
**Positorq**

Dynamic Stop—Continuous Slip  
Drawworks Brakes



**Positorq**

Hold, Dynamic, Continuous Slip  
Mooring, Anchor Winch Brakes



**Positorq**

Forced Lube Cooling Unit  
Hydraulic Actuation

**Call 800-829-3244**  
**[www.forcecontrol.com](http://www.forcecontrol.com)**

**Force Control Industries, Inc.**

3660 Dixie Highway | Fairfield, Ohio 45014 USA

Phone: 513-868-0900 Email: [info@forcecontrol.com](mailto:info@forcecontrol.com)

