AquaMaKKs™
Water Cooled
Clutches and Brakes
Interchange
**AquaMaKKs water cooled clutches and brakes are designed to provide accurate torque control for heavy-duty tensioning applications.**

AquaMaKKs™ clutches and brakes are pneumatically or hydraulically controlled and water cooled. They consist of a series of alternating friction discs and water jackets. Torque is transmitted by applying axial force from the pneumatic, hydraulic, or spring set actuator. Copper wear plates are used for excellent heat dissipation. Models are available in 19”, 25”, and 36” diameter sizes. Torque Ranges from 55,440 in.lbs. @ 80 PSI to 1,596,000 in.lbs. @ 100 PSI.

**New engineered composite water jacket improves performance**

Wichita engineers have utilized the latest cutting edge technologies and state-of-the-art materials to develop a revolutionary new breakthrough in water cooled clutch and brake design... composite water jackets (patent pending).

**Corrosion resistant, saltwater friendly**

Composite material will not corrode, so salt water and water sources with high PH acidic values can be used for cooling without the need to supply fresh water.

Other composite water jacket benefits include:

- Improved channeled water flow - achieved via groove designed and molded into jacket providing enhanced cooling capability
- Fast & easy maintenance created from the lightweight composite jacket design that is about 25% the weight of the competitors metal design
- Water jacket design and material allows for longer life, requiring fewer replacements
- Reduced overall clutch weight – critical for weight restricted applications (eg: truck mounted)

No optional salt water corrosion protection is required

**AquaMaKKs features an air, hydraulic, or spring-set actuated and water cooled design, with copper wear plates for heavy-duty continuous slip tension applications**

**Oil and Gas**

The AquaMaKKs family is ideally suited for superior water cooled tension control for drawworks applications.

**Marine Deck Machinery**

Positioning and mooring winches require high heat dissipation and accurate tension control. That’s why AquaMaKKs is perfectly suited for these applications.

**Custom Engineered Solutions are available from Wichita Clutch**
Altra Industrial Motion

Electromagnetic Clutches and Brakes

Warner Electric
Electromagnetic Clutches and Brakes
New Hartford, CT - USA
1-800-825-6544
For application assistance:
1-800-825-9050

St Barthelemy d’Anjou, France
+33 (0) 2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes
Columbia City, IN - USA
1-260-244-6183

Matrix International
Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes
Braehead, Scotland
+44 (0) 1356 602000
New Hartford, CT - USA
1-800-825-6544

Inertia Dynamics
Spring Set Brakes, Power On and Wrap Spring Clutch/Brakes
New Hartford, CT - USA
1-800-800-6445

Linear Products

Warner Linear
Linear Actuators
Belvidere, IL - USA
1-800-825-6544
For application assistance:
1-800-825-9050

St Barthelemy d’Anjou, France
+33 (0) 2 41 21 24 24

Linear Actuators

Wichita Clutch
Pneumatic Clutches and Brakes
Wichita Falls, TX - USA
1-900-984-3262
Bedford, England
+44 (0) 1234 350311

Twiflex Limited
Caliper Brakes and Thrusters
Twickenham, England
+44 (0) 20 8994 1161

Industrial Clutch
Pneumatic and Oil Immersed Clutches and Brakes
Waukesha, WI - USA
1-262-547-3357

Gearing

Boston Gear
Enclosed and Open Gearing, Electrical and Mechanical P.T. Components
Charlotte, NC - USA
1-800-825-6544
For application assistance:
1-800-816-5608

Bauer Gear Motor
Geared Motors
Esslingen, Germany
+49 (711) 3518 0

Stieber Clutch
Overrunning Clutches and Holdbacks
Heidelberg, Germany
+49 (0) 6221 30 47 0

Engineered Bearing Assemblies

Kilian Manufacturing
Engineered Bearing Assemblies
Syracuse, NY - USA
1-315-432-0700

For information concerning our sales offices in Asia Pacific check our website
www.altramotion.com.cn