

Power Transmission Solutions for the Marine Market

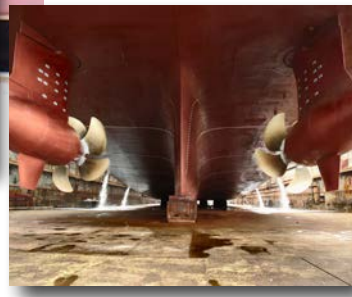
Twiflex Limited

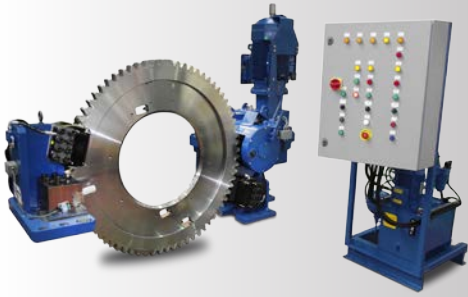
Ameridrives Couplings

Wichita Clutch

Bibby Turboflex

Svendborg Brakes





The leading brand names of Altra Marine Technology can offer expertise in custom product solutions for a wide variety of marine propulsion applications.

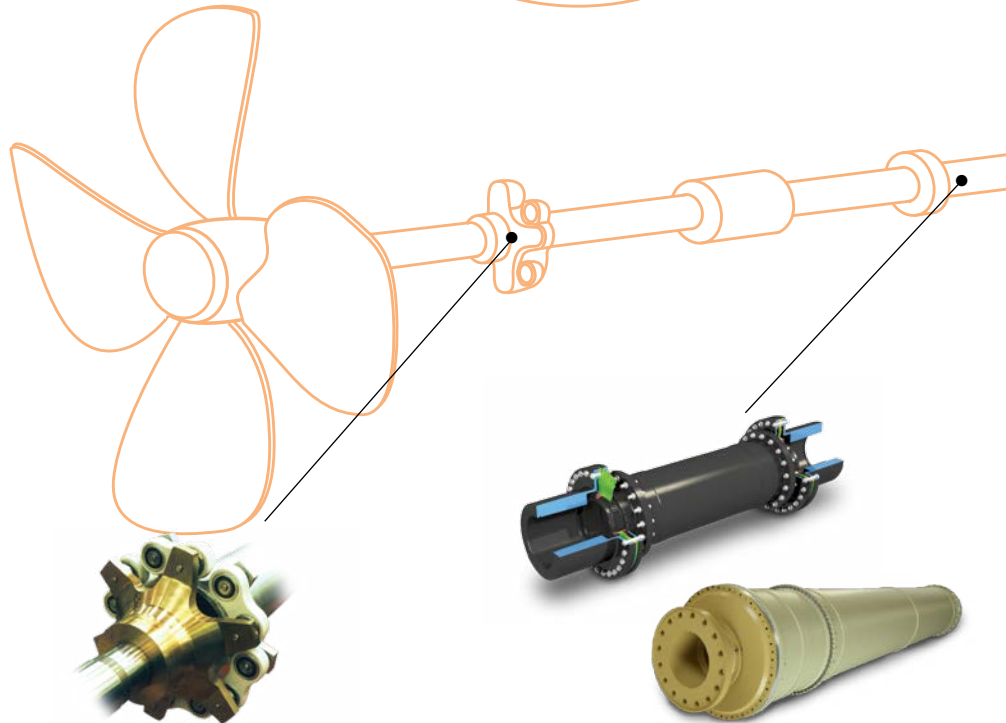
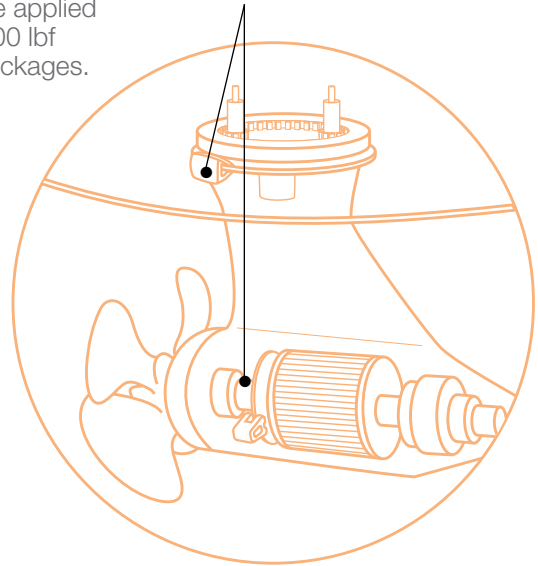
With manufacturing facilities in the US, Europe and China, the Altra Marine Technology family can provide support to the marine OEM's worldwide. As a leading multinational designer and producer of a wide range of electromechanical power transmission equipment, Altra offers products for marine propulsion applications where reliability and accuracy are necessary to avoid costly downtime, assure safe operation and consistent performance. Many Altra solutions and plants are GL (Germanischer Lloyd) and DNV (Det Norske Veritas) certified.

The new Twiflex Turning, Locking and Braking system is designed to be used on marine vessels where there is a need to rotate and hold the propulsion shaft during maintenance. When in dock the brakes are used to stop the shaft when the propellers rotate due to the flow stream. Once they are stationary the locking device is used to secure the drive.

Twiflex's TLB-180 produces a continuous turning torque of 103,260 lbf ft at 0.6 rpm in both directions. Braking and Static Locking torque is rated up to 132,760 lbf ft.

Podded or Azimuth Thruster Brakes
Twiflex Limited

Robust caliper brake solutions for podded and azimuth drives. Wide range of pneumatic pressure applied thrusters from 115 lbf to 8100 lbf offering compact braking packages.



Laylink Coupling
Twiflex Limited

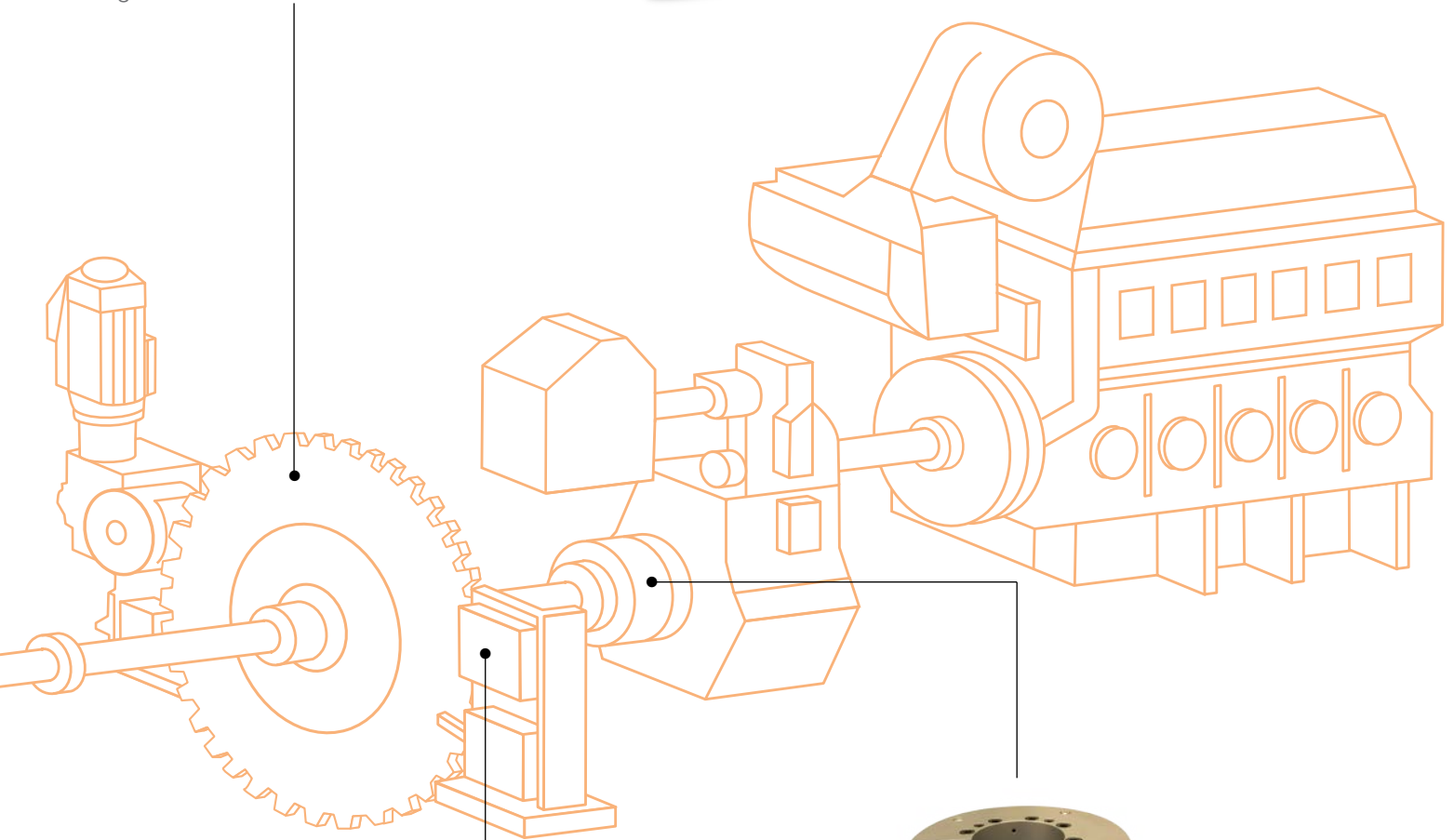
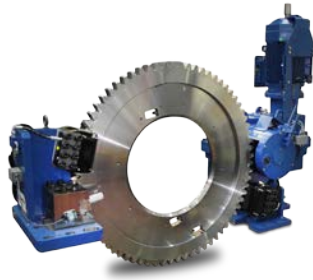
Unique flexible link-coupling to accommodate shaft misalignment. High shock resistance, non-magnetic and good sound attenuation properties.

Shaft Couplings
Ameridrives Couplings & Bibby Turboflex

Custom design, light-weight couplings, capable of transmitting high torques at high speeds while accepting significant angular, radial and axial misalignment. High speed couplings for turbine driven water jets.

Shaft Turning, Locking & Braking *Twiflex Limited*

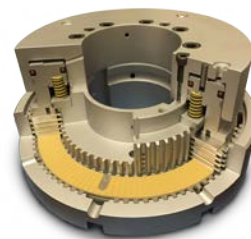
Integrated shaft turning and braking system with locking device. Turning torques in excess of 103,260 lbf ft. Optional local controls and split drive gear/disc.



Direct Applied, Hydraulic or Pneumatic, Fixed or Floating Shaft Brakes

Twiflex Limited & Svendborg Brakes

Direct (pressure applied) caliper brakes for dynamic shaft stopping and holding. Compact floating solutions for limited space and axial shaft movement.



Oil-Immersed Clutches & Brakes *Wichita Clutch*

Compact forced oil-cooled clutch and brake units for in-gearbox installation. High torque and power handling capability to suit a wide range of propulsion and PTO applications.

Optional unique seal key arrangement to simplify the clutch fitting process.

Torque capacities up to 106,285 lbf ft.

Belted Drives and Sheaves

TB Wood's

Belted Drives
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7

Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc
Erie, PA - USA
1-814-480-5000
Gear Couplings
San Marcos, TX - USA
1-800-458-0887

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings
Green Bay, WI - USA
1-920-593-2444

Bibby Turboflex

Disc, Gear, Grid Couplings, Overload Clutches
Dewsbury, England
+44 (0) 1924 460801
Boksburg, South Africa
+27(0) 11 918 4270

Guardian Couplings

Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings
Michigan City, IN - USA
1-219-874-5248

Huco Dynatork

Precision Couplings and Air Motors
Hertford, England
+44 (0) 1992 501900
Chambersburg, PA - USA
1-888-829-6637

Couplings Cont.

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards
Cotia, SP - Brasil
+55 (11) 4615-6300

TB Wood's

Elastomeric Couplings
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7
General Purpose Disc Couplings
San Marcos, TX - USA
1-888-449-9439

Electromagnetic Clutches and Brakes

Inertia Dynamics

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

Matrix International

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

Warner Electric

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

Engineered Bearing Assemblies

Kilian Manufacturing

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

Gearing

Bauer Gear Motor

Geared Motors
Esslingen, Germany
+49 (711) 3518-0
Somerset, NJ - USA
1-732-469-8770

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

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers
Niagara Falls, NY - USA
1-716-298-4100

Heavy Duty Clutches and Brakes

Industrial Clutch

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

Svendborg Brakes

Industrial Brakes and Brake Systems
Vejstrup, Denmark
+45 63 255 255

Twiflex Limited

Caliper Brakes and Thrusters
Wichita Falls, TX - USA
1-844-723-3483
Twickenham, England
+44 (0) 20 8894 1161

Heavy Duty Clutches and Brakes Cont.

Wichita Clutch

Pneumatic Clutches and Brakes
Wichita Falls, TX - USA
1-800-964-3262
Bedford, England
+44 (0) 1234 350311

Linear Products

Warner Linear

Linear Actuators
Belvidere, IL - USA
1-800-825-6544
For application assistance:
1-800-825-9050
Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks
Warren, MI - USA
1-800-348-0881 – Press #1
For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops
South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks
Heidelberg, Germany
+49 (0) 6221-30470

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

Customer Support

Twiflex Limited

1-844-723-3483
+44 (0)208 894 1161

Wichita Clutch

1-800-964-3262
+44 (0)1234 350311

