

Pump Applications Contact Information



Ameridrives • Bibby Turboflex
Guardian Couplings • Lamiflex Couplings
Stieber • Stromag • TB Wood's

GENERAL PURPOSE DISC COUPLINGS

METRIC DISC COUPLING



Torsiflex by Bibby Turboflex

- Fully meets the requirements of API 610. Can be engineered to meet API 671. Spark-resistant Atex certified.
- Anti-flail/Anti-Fly spacer retention feature
- Lighter weight and more power dense. The flexible Centre Unit is assembled as a cartridge for simple installation and removal while maintaining the specified balance.

For more information contact:

Sales

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IMPERIAL DISC COUPLING



Torsiflex-i by TB Wood's

- Fully meets the requirements of API 610. Can be engineered to meet API 671. Spark-resistant Atex certified.
- Anti-flail/Anti-Fly spacer retention feature
- Lighter weight and more power dense. The flexible Centre Unit is assembled as a cartridge for simple installation and removal while maintaining the specified balance.

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Technical and Pricing Inquiries

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DISC COUPLING



PWF, PWE & PWB by Lamiflex Couplings

- Specifically projected to meet API 610.
- The flexible Centre Unit is assembled as a cartridge for simple installation and removal while maintaining the specified balance.
- The anti-flail safety device retains the spacer in the event of a flexible unit failure.
- Interchangeable/replacement products to the market leader

For more information contact:

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HIGH PERFORMANCE DISC COUPLINGS

HIGH PERFORMANCE DISC COUPLING



Turboflex + MS Style Coupling by Ameridrives and Bibby Turboflex

- Scalloped profile disc pack optimized for high speed applications
- Fully compliant to API-671/ISO10441
- Disc material – 300 series stainless, Inconel option
- Coated or uncoated discs
- Phosphate coating standard on components
- Shrouded fasteners for reduced windage

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DIAPHRAGM COUPLINGS

DIAPHRAGM COUPLING



PWM by Lamiflex Couplings

- Compliant to API 671.
- Fully meets the Shell DEP 31.29.00.36 specification.
- Spark-resistant, Low overhung masses.
- This coupling will disconnect the drive in the event of extreme overload or excessive misalignment.
- The anti-flail safety device retains the spacer in the event of a flexible unit failure.
- Interchangeable/replacement products to the market leader

For more information contact:

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HIGH PERFORMANCE DIAPHRAGM COUPLING



Ameriflex® by Ameridrives

- Designed for infinite life High torque to diameter and weight ratio
- Diaphragms are 15-5PH stainless steel
- Low bending moments and axial force result in lower bearing loads
- API-671 Compliant, field replaceable diaphragms

For more information contact:

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GENERAL PURPOSE ELASTOMERIC COUPLINGS

ELASTOMERIC COUPLINGS



Sure-Flex Plus®
Dura-Flex®
by **TB Wood's**

- Designed for ANSI and ISO Pump applications
- Easy to assemble, High misalignment ratings
- No maintenance/lubrication
- Part-for-part interchangeable with equivalent products
- Light weight element absorbs shock loading and torsional vibration.
- Good chemical resistance

For more information contact:

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PIN & BUSH COUPLING



E-Flex
by **Bibby Turboflex**

- Accept parallel, angular and axial misalignment
- Up to 96 KNm; 548 in.lbs.
- Vertical or horizontal operation
- 80 or 90 shore hardness close fitting flexible elements
- Steel or cast iron hubs
- Brake drum or disc available as well as special designs
- Simple Assembly
- Parallel or Taper bore options

For more information contact:

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FLEXIBLE COUPLINGS



Curved Jaw
LJW & SWJW Straight
FL Flywheel Couplings
by **Guardian Couplings**

- Standard product and customized solutions available
- Blind assembly
- No Lubrication Required
- No Metal to Metal Contact
- High Torque Capacities
- Variable Hub Materials

For more information contact:

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Email: sales@guardiancouplings.com

HIGHLY FLEXIBLE COUPLING



Periflex TT
by **Stromag**

- Highly flexible rubber couplings
- For shaft displacements; shaft-shaft, flange-shaft for radial, axial, and angular displacements
- Torque range 25-15,000 Nm
- Precise workmanship for long service life
- ATEX certification

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ENGINEERED ELASTOMERIC TORSIONALLY SOFT COUPLINGS

HIGHLY FLEXIBLE COUPLINGS



Vector
GE
by Stromag

- Highly flexible rubber couplings
- Simple mounting (plug in)
- For temperature critical applications "ECO"
- ATEX certification
- Improved media resistance against oil and ozone
- Good abrasion resistance
- Sizes according to SAE standard

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BEARING ISOLATORS

BEARING ISOLATORS



Ecobearing
Ecoblock Maxx
by Lamiflex Couplings

- Zero leakage
- No contact, no friction, no heating, no wear, even during operation
- Protection of the environment, emission and leakage control
- Increases bearings' useful life
- Static and dynamic sealing

For more information contact:

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BELTS, SHEAVES & PULLEYS

BELTS, SHEAVES & PULLEYS



by TB Wood's

- Ideal for use on problem drives requiring high-impact strength and load-carrying power
- "Clutching" non-rubber surface cover allows momentary slippage due to excessive overloads without burning
- Virtually zero stretch eliminates the need for constant belt re-tensioning. Superb oil and heat resistance
- Reduced downtime and increased efficiency

For more information contact:

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COMPLIMENTARY PUMP PRODUCTS

CENTRIFUGAL LIFT OFF PUMP CLUTCH



RSCI by Stieber

- Static reverse torque
- Maximum dynamic reverse torque due to elasticity of the locked parts (elastic belts, shafts more than 3 meters long)
- Range of overrunning speed
- Number of torque applications during service life

For more information contact:

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PUMP BACKSTOP



SB Pump Backstop by Formsprag Clutch

- Features a high torque density and require no adjustments or controls.
- 7 Models Torque Range: 875 to 22,300 lb. ft.
- Bore Range: 0.75 to 7.0 in.
- Speed Range: 0 to 3,000 RPM
- Special Features: Can simplify a retrofit backstopping application with less movement of equipment

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Email: info@formsprag.com

HYDRAULIC PUMP MOUNTING PLATES



G Series Mount Pump Mounting Plate by Guardian Couplings

- Manufactured from steel and aluminium
- SAE sizes 1 thru 6 from stock
- SAE 0 & 00 available upon request
- Light weight, minimised vibration
- Custom applications available upon request
- Zinc, e-coat, black oxide & powder coat available upon request

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API COUPLING GUARDS



Coupguard by Lamiflex Couplings

- Available in five sizes (CG-100 to CG-500).
- Maximum Diameter Shaft to 250mm.
- Maximum length up to 700mm.
- Galvanized carbon steel body.
- Painting in color Safety Orange ABNT / NR 26.
- Parties steel fastening high strength and corrosion protection.
- Operates in ambient temperatures up to 155°C.
- Radial and axial ventilation.
- Adjustable height and length.
- Fixing the base by screws or welding.
- Optional supply (upon request) or pedestal base prolonging and special sizes.

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ALTRA OFFERS A FULL DRIVETRAIN SOLUTION TO KEEP PUMPS RUNNING EFFICIENTLY...WORLDWIDE.



Couplings

For over 150 years, the industry-leading brands of Altra Couplings have been providing innovative solutions to meet the varied requirements for pump applications. Highly engineered Altra coupling products represent the latest in coupling technology, featuring superior design and exceptional quality to ensure long-lasting performance. Altra couplings are currently the standard specified couplings for many of the world's largest multinational pump manufacturers.

ALTRA COUPLINGS: Ameridrives • Bibby Turboflex • Guardian Lamiflex • Stromag • TB Wood's



Overrunning Clutches & Backstops

Altra brands offer a broad range of both sprag & ramp, and roller overrunning clutches and backstops utilized in pump applications. CECON overrunning clutches are often used when a pump is driven by two power sources. Backstopping clutches are used to prevent pump impellers from rotating backwards (backflow) when the pump motor is off and back pressure is present.

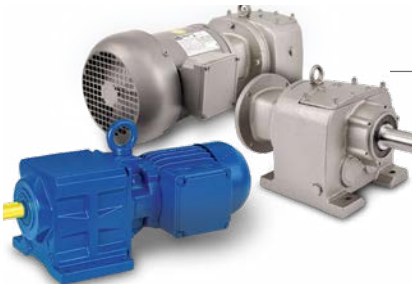
Formsprag Clutch • Marland Clutch • Stieber



Belted Drives

TB Wood's has provided an extensive offering of fixed & adjustable speed V-belt drives and synchronous drives (including MTO) in pump applications for years. Throughout the years, TB Wood's has continued to innovate its products and services in order to add increased value to pump manufacturers.

TB Wood's



Gearing and Geared Motors

As the leading innovator of worm & helical gear, and geared motor technologies, Altra continues to improve product performance by developing innovative features, designs and custom engineered energy saving solutions to meet the demands of the pump market.

Boston Gear • Bauer Gear Motor

A Global Footprint to Support Customers Around the World

- ★ Altra Headquarters
- Altra Engineering & Service Centers
- Altra Manufacturing Facilities

The Brands of Altra Motion

Couplings

Ameridrives
www.ameridrives.com

Bibby Turboflex
www.bibbyturboflex.com

Guardian Couplings
www.guardiancouplings.com

Huco
www.huco.com

Lamiflex Couplings
www.lamiflexcouplings.com

Stromag
www.stromag.com

TB Wood's
www.tbwoods.com

Linear Systems

Thomson
www.thomsonlinear.com

Warner Linear
www.warnerlinear.com

Geared Cam Limit Switches

Stromag
www.stromag.com

Engineered Bearing Assemblies

Kilian
www.kilianbearings.com

Electric Clutches & Brakes

Matrix
www.matrix-international.com

Stromag
www.stromag.com

Warner Electric
www.warnerelectric.com

Deltran
www.thomsonlinear.com

Belted Drives

TB Wood's
www.tbwoods.com

Heavy Duty Clutches & Brakes

Twiflex
www.twiflex.com

Stromag
www.stromag.com

Svendborg Brakes
www.svendborg-brakes.com

Wichita Clutch
www.wichitaclutch.com

Gearing & Specialty Components

Bauer Gear Motor
www.bauergears.com

Boston Gear
www.bostongear.com

Delevan
www.delevan.com

Delroyd Worm Gear
www.delroyd.com

Nuttall Gear
www.nuttallgear.com

Engine Braking Systems

Jacobs Vehicle Systems
www.jacobsvehiclesystems.com

Precision Motors & Automation

Kollmorgen
www.kollmorgen.com

Miniature Motors

Portescap
www.portescap.com

Overrunning Clutches

Formsprag Clutch
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