

Power Review

The Power Brands in Power Transmission

Altra Industrial Motion

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The latest product solution from Ameridrives and Bibby Turboflex

NEW

Tri-Bushing™ Design

Featured in this Edition...

Ameridrives and Bibby Turboflex Introduce the New Tri-Bushing™ Design

Boston & Bauer Washdown Gear Drives & Gear Motors for the Food & Beverage Industry

Altra Certified Rebuild Services – Marland, Formsprag, & Ameridrives

Sure-Flex Plus® Maintenance Savings Calculator

Twiflex USA Brake Calipers

EM 210/ERS 68 Brake for Bucket Conveyors

Matrix Servo Motor Brakes (SMB)



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Ameridrives

Bauer Gear Motor

Bibby Turboflex

Boston Gear

Delroyd Worm Gear

Formsprag Clutch

Guardian Couplings

Huco

Industrial Clutch

Inertia Dynamics

Kilian

Lamiflex Couplings

Marland Clutch

Matrix

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Stieber

Stromag

Svendborg Brakes

TB Wood's

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Warner Linear

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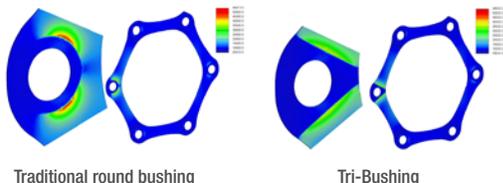
Ameridrives and Bibby Turboflex Introduce the New Tri-Bushing™ Design

Ameridrives and Bibby Turboflex have developed the Tri-Bushing™, a unique flex element/blade triangular bushing design. The revolutionary cost-saving design improves axial capability on high performance flexible disc couplings used in turbomachinery applications.

Altra's exclusive, patent-pending, Tri-Bushing™ design features two straight profiles that significantly reduce and redistribute the stresses that occur around the disc pack bushings.

Utilizing this new bushing design can increase a couplings axial capability by more than 33%. Given this significant increase in axial growth capability, in many applications, coupling designers no longer need to upsize their coupling to accommodate this growth. In addition to the cost-saving benefit, lateral vibration problems may be avoided with a smaller coupling.

FEA stress comparison of a typical round bushing and a Tri-Bushing™



Blade failures where the disc material bent around the traditional round bushings.



For more information, visit www.Altramotion.com/Tri-Bushing



Boston & Bauer Washdown Gear Drives & Gear Motors for the Food & Beverage Industry

As the leading innovators in gearing and gear motor technology, Boston Gear and Bauer Gear Motor present a full line of Stainless Steel and Aseptic products that provide sanitary protection and optimal performance in the toughest caustic environments.

Distinct Advantages of the Boston Gear and Bauer Gear Motor offering:

- Wide Breadth of Products
 - Worm / Helical-Worm / Helical-Bevel or Helical / Parallel Shaft
 - Gear Drives (Speed Reducers) / Gear Motors / Shaft Accessories
 - Reductions of 3:1 thru 10,000:1
 - Output Torque from 100 lbf-in thru 7,500 lbf-in
- Critical Product Features for Washdown Suitability and Sustainability
 - NSF International Certified (Worm Gear Drives)
 - UL/ULc Certified (Gear Motors)
 - IP67 / IP69K Compliance
 - The Original Domed Crown™ Technology
 - 316SS Cast Housings
- Performance Competitive Advantages
 - Proven: Longer Product Life
 - Proven: Higher Motor Efficiency
 - Proven: Higher Gearing Operating Efficiency
 - Proven: Lower Gearing Operating Temperature
 - Proven: Reduced Installation Time & Maintenance Cost



Scan to watch Boston & Bauer Washdown video



For more information download P-8026-BBG from www.AltraLiterature.com

Altra Certified Rebuild Services – Marland, Formsprag, & Ameridrives

Marland: Your old, worn Marland clutches can be refurbished for substantially less than the cost of a new replacement clutch. Our economical rebuild service applies to all Marland Clutch BCMA, CECON and CEBMAG models. The local Marland Rebuild Service team will perform the following to restore your clutch to like-new condition: inspect and replace seals, energizing springs, alloy steel rollers, aluminum cages, bearings and fasteners as required, inspect and precision grind the outer race and cam if required, assemble and test to meet Marland original design and performance specifications, paint and prepare for shipment. **For more details on our cost saving certified Marland Rebuild Program, call 1-888-216-3515.**

Formsprag: Send Formsprag your old clutches to make them like new again. The difference is not just cosmetic. Consider these advantages: **Price** – A guaranteed savings of at least 30% or more versus new product, **Speed** – Clutches are received, inspected and rebuilt in the shortest possible time frame, **Warranty** – 1 year on labor and materials, same as new clutches, and **Emergency Breakdown Program** – All products that are air freighted into the Warren plant are processed immediately and, in most cases, are able to be rebuilt within a 24-hour period. **For more information download Application Guide P-1465-FC from www.AltraLiterature.com.**

Ameridrives: Ameridrives Rebuild Service can refurbish your old, worn couplings for substantially less than the cost of a new replacement coupling. The economical rebuild service applies to all Ameridrives couplings including Ameridisc®, Ameriflex® and Amerigear® high performance, high speed couplings used primarily on turbomachinery, compressor and pump applications in the power generation, oil & gas and marine industries. Other coupling brands are accepted on a case-by-case basis. **For details on the rebuild program, call 1-814-480-5095, download P-7948-AC from www.AltraLiterature.com or visit www.Ameridrives.com.**



Sure-Flex Plus® Maintenance Savings Calculator

Customers often debate the cost savings they will receive when deciding to use a lower standard product or one that is made for high performance. Now, there is a program to allow users to quantify just how significant the savings can be when replacing a copy-cat coupling sleeve with the high performance Sure-Flex Plus EPDM or Neoprene sleeve. The new Sure-Flex Plus Maintenance Savings Calculator does that for you. This program saves money over the long term and satisfies applicable distributors' cost savings program requirements.

Available both on our website, or installed as a smartphone app on your Android or Apple device. Simply input your current maintenance interval, cost of downtime, sleeve replacement cost, etc. and the program will show you just how much you could be saving by using genuine TB Wood's Sure-Flex Plus sleeves.

Sure-Flex Plus Maintenance Savings Calculator App

- Save hundreds – or thousands – on maintenance
- Sure-Flex Plus sleeve life is over 3x that of imitators
- Maintenance intervals can be extended by 3x or more using Sure-Flex Plus
- More durable: Minimize downtime from competitors' premature sleeve failure

For more information, download P-8367-TBW from www.AltraLiterature.com



Scan to download the Sure-Flex Plus® Maintenance Savings Calculator

www.SureFlexPlus.com



Twiflex USA Brake Calipers

Twiflex offers the largest range of industrial disc brake calipers in the world. Spring applied units may be retracted pneumatically, hydraulically or electrically (depending on caliper design) while most direct acting brakes have some form of positive retraction device.

Pneumatically Applied Brakes are best suited for light to medium stopping duties and for tensioning applications where a high degree of control is required.

Hydraulically Applied Brakes address higher torque requirements, while spring applied calipers are essential where braking must be maintained in the event of supply system failure

Mechanically Applied Units are suitable for light tensioning duties or where no external power is available; they may also be specified when designers wish to use their own means of actuation.

For more information download P-1648-TF from www.AltraLiterature.com



Call Twiflex
Toll-Free: 844.723.3483



EM 210/ERS 68 Brake for Bucket Conveyors

A conveyor OEM was looking for a reliable braking solution for a bucket conveyor unit being built for a West Coast dry food manufacturer.

Working closely with the OEM, Warner Electric engineers defined the correct amount of torque needed for the application. They determined that an EM210/ERS 68 spring-set/electrically-released brake could be located between the 5 HP 215TC frame motor and reducer that would exceed the load-holding requirement.

- NEMA C-Faced compatible mounting
- Max. holding torque: 100 lb.ft. (135.5 Nm)
- Max. speed rating of 2000 rpm
- Compact packaged design
- Completely assembled and preburnished
- High torque, lead-free and asbestos-free friction material
- Easy to install

For more information, download P-8160-WE from www.AltraLiterature.com



Matrix Servo Motor Brakes (SMB)

Servo-driven solutions can achieve faster speeds with more precise accuracy while providing greater flexibility and quicker changeover in various industrial applications including: automation & robotics, machine tools, packaging & material handling, medical, assembly & semi-conductors and military.

Matrix currently supplies many key servo motor OEMs and has proven to be one of the leaders in this industry.

Matrix now offers its range of standard sizes reducing engineering review time and insuring quick order processing to meet customers' needs.

For more information, download P-8475-MX from www.AltraLiterature.com



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Achieving Linear Motion in Off-Highway Applications

The term “off-highway” covers a wide range of machinery and equipment that operate in harsh working environments where dust, water and even chemicals can be prevalent. Suppliers of components destined to work in these unforgiving applications need to offer high-quality products that are rigorously tested and fit for purpose.



Nuttall Custom Gearboxes for Vertical Lift Bridge

The current version of the Burlington Canal lift bridge was built in 1962. Located between Hamilton and Burlington, Ontario, the bridge spans the Burlington Canal that was widened to allow ships to navigate between Hamilton Harbour and Lake Ontario.



Kilian Custom Bearing Assemblies for White Boards

A leading U.S. white board manufacturer was looking for a bearing solution for its line of sliding white board systems. The systems are comprised of various sized overlapping magnetic white board panels that slide in a series of tracks.

Altra OnDemand Webinars



OnDemand Webinars:

- Altra Refinery Applications
- Factors To Consider When Selecting A V-Belt Drive
- Factors To Consider In Coupling Selection
- Load Holding Brake Solutions: High Capacity Systems
- Open Gearing Capabilities: Standard & Custom
- Helping Us Help You: Product Identification
- IP Ratings: Where It Matters & How We Address It
- Warner Linear Product Launch – Introduction To H-Track
- Factors to Consider in Linear Actuator Selection
- New TB Wood’s Sure-Flex Plus® Savings Calculator
- Centrifugal Clutches: Applications and Selection

For more information, visit www.AltraWebinars.com

Upcoming North American Tradeshows

2018 Shows

Turbomachinery	Houston, TX	Sep 18-20, 2018
NAEC	Atlantic City, NJ	Sep 24-27, 2018
WEFTEC	New Orleans, LA	Oct 1-3, 2018
GIE+EXPO	Louisville, KY	Oct 17-19, 2018
Pacific Marine Expo	Seattle, WA	Nov 17-19, 2018
International Work Boat Show	New Orleans, LA	Nov 28-30, 2018
Power-Gen	Las Vegas, NV	Dec 04-06, 2018

For more information about upcoming tradeshows, visit: www.Altramotion.com/Tradeshow



GPS 2018
June 12 - 13 | Calgary, AB, Canada