

Power REVIEW

THE POWER BRANDS IN POWER TRANSMISSION

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For more information contact us at:
info@altramotion.com



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Power Transmission Solutions for Food & Beverage Applications

The industry-leading global brands of Altra Motion provide precision engineered power transmission components to meet the most demanding washdown requirements for all types of food and beverage processing applications. Altra offers a full range of drivetrain solutions including geared motors, speed reducers, air motors, clutches & brakes, torque-limiting devices, couplings, bearings and shaft accessories.

Altra Motion utilizes advanced technologies, materials and coatings together with extensive application expertise and world-class engineering capability to provide custom-designed, efficient, cost-effective solutions to our customers. For this reason, many of the world's leading food and beverage producers and OEMs choose Altra products for their power transmission needs.

Highly engineered Altra products provide exceptional performance in a wide range of applications including bakery & snacks, meat & poultry, fruits & vegetables, dairy, candy and bottling & capping.

Altra brands that support the food and beverage market include **Bauer Gear Motor, Boston Gear, Formsprag Clutch, Huco, Kilian, Stieber, and Warner Electric.**

EXTREME WASHDOWN DUTY

Equipment positioned above exposed food product

For installations where the drive system is located above the food product, there is a higher risk of product contamination. For these installations, special attention must be given to drive design & materials, so that bacterial growth on surfaces will be avoided. Drive systems with the most extreme protection, such as stainless steel and aseptic units, are most often utilized in these applications.



STANDARD DUTY

Equipment positioned away from exposed food product

In areas of the plant where there is no contact with open product flow or drivetrains are enclosed within machines or equipment, the hygiene requirements are typically less strict, allowing for standard finish drive products.

LIGHT TO MODERATE WASHDOWN DUTY

Equipment positioned near or below exposed food product

For installations located near but below the food line, exposure is less likely but still possible. Therefore, it is recommended that the drive units be readily accessible, easy to clean, and have resistance to commonly used cleaning products. In these applications, specially coated or stainless steel drive systems are often used.



For more information, download P-8891-C from www.AltraLiterature.com



Ameridrives American Made Products for American Mills

Ameridrives Americardan U-Joints and Amerigear gear couplings and mill spindle shafts are designed and manufactured in the USA.

Ameridrives is the only company that makes all its gear couplings, spindles and U-joints in the USA. Their dedicated teams in Erie, Pennsylvania and San Marcos, Texas utilize advanced testing, analysis and manufacturing processes to ensure that the quality products provide long-lasting performance in tough hot and cold mill applications.

AMERIDRIVES ADVANTAGES FOR US MILLS:

- Unique, high-quality mill-proven solutions
- Faster response and delivery compared to off-shore competitors
- Expert mill application engineers available to provide analysis of repeated coupling/spindle/U-joint problems on any mill machines
- Visits to your facility (or ours) can be easily arranged
- Metric-sized solutions available to fit all OEM mills
- Fast-turnaround repair and maintenance service for Ameridrives and competitive brand U-joints and products



For more information, download P-8890-AC from www.AltraLiterature.com

Boston Gear Expands Stainless Steel Offering with New Product Portfolio

Boston Gear products meet the most demanding washdown requirements for all types of food processing and beverage applications. The expanded product line now offers an even greater selection of sizes, styles and options to meet all of your stainless steel requirements.

New AQT AquaTRUE™ Planetary Gearhead

- RediMount™ design for use with servo motors in precision applications
- 4 frame sizes with ratios from 3:1 thru 100:1

New SS Hiflex Helical Bevel Gear Motors

- 3 frame sizes with integrated motor options including asynchronous and permanent magnet
- Non-vented, totally-enclosed exterior with ability to integrate a brake or encoder

New Sizes of SS2000R Series - Helical Bevel

- Compact 2033R frame size with full compliment of mounting options
- Rugged 2073R frame size has expanded torque capacity and hollow output shaft bore sizes up to 2.000 inches

New Helical Multiplier

- C-Face mounts to any SS700, SS2000R or SS2000 product for more flexible ratio expansion
- Range of low ratios can be used as compact, stand-alone speed reducer for low reduction requirements

New Accessories for SS700

- Economical Torque Arm (bracket-style kit) now available for all sizes
- 2-Bolt mount to either left or right Base Holes makes installation quick and easy



For more information, download P-1998-BG 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 or download P-8117-MC from www.AltraLiterature.com.**

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.**



Altra OnDemand Webinars



ALTRA OnDemand
WEBINAR SERIES



OnDemand Webinars:

- Formsprag Backstops for Shaft Mount Gearboxes
- Key Steps to Getting the Most from your Synchronous Belt Drive Installation
- Proper Torque Arm Use
- Two Ways to Reduce Backstop Maintenance Time and Expense
- Altra Wastewater Solutions
- Helping Us Help You: Product Identification
- High Capacity Gearboxes and Overrunning Clutches
- Precision Torque: Warner Electric Smooth Torque Capping Clutch Technology
- Open Gearing Capabilities: Standard & Custom
- New TB Wood's Sure-Flex Plus® Savings Calculator
- Bauer Gear Motor Solutions in Metal Mill Applications

Fast Facts Webinars:

- **Clutch/Brakes: Heavy Duty or Normal Duty**
Explains the differences in Normal Duty and Heavy Duty product configuration.
- **Power Supplies: AC or DC Side Switching**
A review of why an application will most easily use either switching on the AC or the DC side of the power supply.
- **Magnetic Particle Clutches and Brakes**
A review of magnetic particle design considerations and constraints.
- **Electromagnetic Clutches/Brakes: Why DC?**
An explanation of why electro-magnetic friction clutches and brakes use DC power to operate.
- **Warner Electric Clutches and Brakes: Why not below 100 RPM?**
This presentation explains why Warner Electric clutches and brakes operate best at speeds above 100 RPM.
- **Burnishing Electromagnetic Clutches and Brakes**
An explanation of burnishing and why it is important to proper operation of clutches and brakes.

For more information, visit www.AltraWebinars.com

Altra Application Profile Videos on YouTube

Visit Altra Motion on YouTube to see our newest videos including our recently added Application Profile Video Series.

The AP Video Series features success stories for a variety of industrial applications. We upload new videos routinely, so check back often.

These micro videos comprise the Problem I Solution Playlist and are ideal for sharing with others.

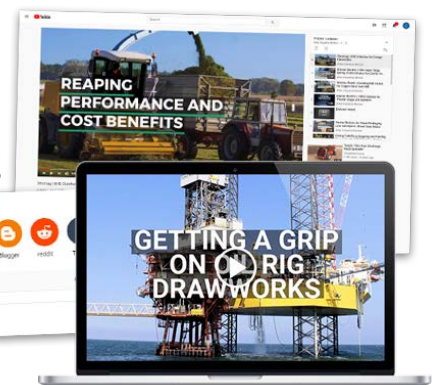
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[YouTube.com/AltraIndMotion](https://www.youtube.com/AltraIndMotion)

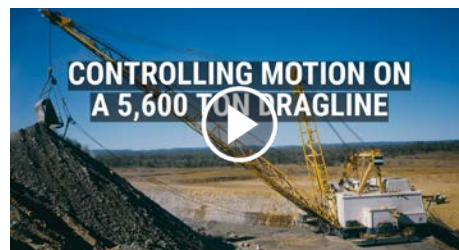
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Bibby Turboflex Screw Conveyor Torque Limiters



Twiflex Coal Mine Dragline Brakes



Altra Gearing Components for Folsom Spillway Gates

Ameridrives
Bauer Gear Motor
Bibby Turboflex
Boston Gear
Delevan

Delroyd Worm Gear
Formsprag Clutch
Guardian Couplings
Huco
Jacobs Vehicle Systems

Kilian
Kollmorgen
Lamiflex Couplings
Marland Clutch
Matrix

Nuttall Gear
Portescap
Stieber
Stromag
Svendborg Brakes

TB Wood's
Thomson
Twiflex
Warner Electric
Wichita Clutch