

Power REVIEW

THE POWER BRANDS IN POWER TRANSMISSION

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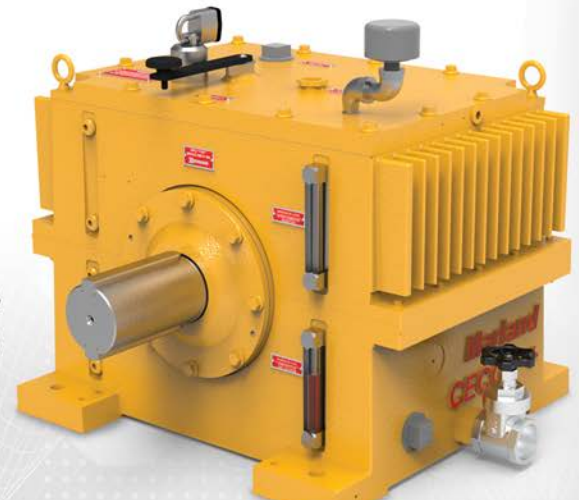
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IIoT
Industrial Internet of Things

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of the Power Review

Altra Brands Marland Clutch, Svendborg Brakes, Stromag, & Warner Electric Provide IIoT Solutions



Marland CECON®+ Clutch and Smart Marland Monitoring System

The CECON+ design is a drop-in upgrade for existing CEUS and CEUSD CECON clutches. Unit dimensions are identical to current models. The new design incorporates double keyways on the input and output shafts for greater torque capacity and higher operating speeds.

All CECON+ units support the on-board Smart Marland Monitoring System. Ports for temperature, vibration, and oil level sensors are designed into individual components to allow remote monitoring of the clutches from anywhere.

For more information, download P-8666-MC and P-8833-MC from www.AltraLiterature.com

Stromag Monitoring and Control Systems

Stromag is able to provide customized IIoT solutions based on their superior service support, design flexibility and technologies to meet customer requirements.

Advanced SiIoT braking systems utilize artificial intelligence to provide many convenience and cost-saving advantages, including real-time comprehensive diagnostic information and extended system life due to careful maintenance monitoring.

For more information on Stromag's product solutions, download P-8910-SG & P-8923-SG from www.AltraLiterature.com



Svendborg Smart Monitoring and IIoT Technologies Improve Onshore Wind Turbine Uptime

To help operators of onshore wind turbines, Altra Renewables provides 24/7 smart monitoring solutions that combine IIoT and data mining technologies to improve turbine uptime.

The IIoT solution can be installed on any existing or new Svendborg Brakes system for permanent condition monitoring. The hardware required consists of either the in-house developed Svendborg Brakes Gateway or the SOBO iQ® (Soft Braking Option) braking system.

If a non-permanent condition monitoring solution is needed, such as for commissioning or troubleshooting, the Universal Control (UC) Case provides this functionality for wind turbine brakes.

www.Svendborg-Brakes.com

Warner Electric Innovative PTO Clutch Technology

Electrically-operated PTO bell housing clutches provide safer and easier remote operation for industrial applications, including agriculture, marine, oil & gas, forestry, mining, construction and rail.

Based on a growing industry need for a more advanced clutching solution, Warner Electric engineers have recently developed a line of IIoT-capable electric PTO clutches that can be conveniently operated from a remote control panel, tablet or cell phone. The electrically-powered clutches require no hydraulic pumps, cylinders and hoses and no air compressors to operate. This is a significant factor in isolated locations.

For more information, download P-7565-WE from www.AltraLiterature.com



Altra Certified Rebuild & Repair Services – Ameridrives, Formsprag, Marland, Nuttall & Delroyd

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, call 1-800-927-3262 or download P-1060-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 Amerisc®, 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.**



NUTTALL & DELROYD have extensive experience in gear drive applications, combined with the total manufacturing and design capabilities that enable them to provide a single, comprehensive source for improving productivity, and offers a cost-effective repair solution for any manufacturer's gear drive. **All complete rebuilds include new factory warranty.**

- Repair and Rebuild
- Redesign and Rerate
- System Analysis
- Quality Assurance
- Load Testing
- Field Service
 - 24-Hour Emergency Service
 - Mill Outage Support Services
 - Predictive Maintenance Services
 - Repairs
 - Torque Measurements
 - Training Seminars



For more information, download P-7010-ND from www.AltraLiterature.com

Kilian CB-14 Series Conveyor Bearings

Kilian's unique and cost-effective CB-14 Series Conveyor Bearings are designed to operate quietly and dependably in the most demanding material handling applications.

CB-14 bearings combine two major features that act together to reduce the metal-to-metal contact that is a common source of noise throughout the conveyor system. The entire CB-14 series has a one-piece, precision machined outer ring to prevent any spreading or splitting under load.

These bearings accommodate standard 7/16-inch hex shafting and dampen noise which is normally transmitted to the conveyor frame. Both inner and outer rings are precision machined from bar stock for maximum concentricity and true running performance. The solid, one-piece rings prevent spreading or splitting problems.

Benefits Include:

- Noise Reduction
- Easy Replacement
- High-Speed Operation
- One-Piece Outer Ring
- A dependable, low-cost
- Features for retrofit applications or new designs

Scan to watch
Kilian CB-14
Bearings Video



For more information, download P-8455-KM from www.AltraLiterature.com



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.

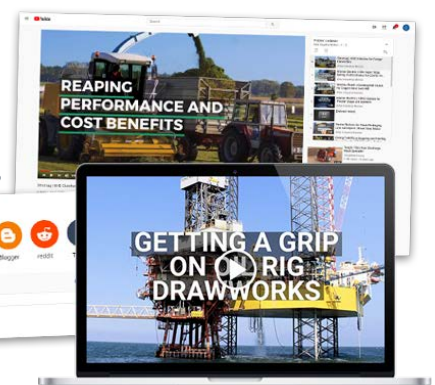
These micro videos comprise the Problem I Solution Playlist and are ideal for sharing with others.

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



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TB Wood's Mine Cone Crusher Sheave



Ameridrive's Roughing Stand Spindles



Delroyd Big Bend Dam Drives

Ameridrive's
Bauer Gear Motor
Bibby Turboflex
Boston Gear
Delevan

Delroyd Worm Gear
Formsprag Clutch
Guardian Couplings
Huco
Kilian

Kollmorgen
Lamiflex Couplings
Marland Clutch
Matrix
Nuttall Gear

Portescap
Stieber
Stromag
Svendborg Brakes
TB Wood's

Thomson
Twiflex
Warner Electric
Wichita Clutch