

# Power REVIEW

THE POWER BRANDS IN POWER TRANSMISSION

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# Warner Electric Brake Solutions for Electric Equipment Applications

## Warner Electric Brake Solutions Provide Reliable Performance on Battery-Powered Equipment

The rapidly growing demand for compact, battery-powered construction and agriculture equipment has created a highly competitive market environment for OEMs. Warner Electric, a global leader in electromagnetic brake technologies, is uniquely positioned to support equipment design engineers as they meet these application challenges.

Warner Electric offers innovative braking solutions designed to reduce power consumption on a wide variety of motions for battery-powered construction equipment, including electric swing drives and electric track drives for loaders, dozers, and excavators, traction wheel motors on compact skid steers, wheeled excavators, dump vehicles and mobile elevating work platforms (MEWPs). Warner braking technologies are also ideal for many agriculture applications, including autonomous machines and small electrically driven equipment.

Highly experienced Warner Electric application engineers routinely work with OEM engineering teams to develop compact, energy efficient braking solutions to meet the requirements for specific equipment, whether it's for a completely new equipment design or the electric conversion of existing equipment.



For more information,  
download P-8949-WE from  
[www.AltraLiterature.com](http://www.AltraLiterature.com)



## Altra Launches Enhanced Brand Sites for Ameridrives, Bibby Turboflex and Kilian

### New Features are Designed to Improve the User Experience

The re-designed sites include streamlined, easy-to-use navigation that allows visitors to quickly find the information they need. Cell phone and tablet users will appreciate the enhanced mobile responsiveness and speed of the new site.

An improved Key Markets section quickly guides visitors to solutions ideally suited for their respective industry and application. A convenient Contact Form is included for fast response to inquiries regarding standard and custom engineered solutions to meet specific application requirements. The Ameridrives site also includes quick and easy access to repair and rebuild service information.



VISIT OUR NEW BRAND SITES AT:

[AMERIDRIVES.com](http://AMERIDRIVES.com)

[BIBBYTURBOFLEX.com](http://BIBBYTURBOFLEX.com)

[KILIANBEARINGS.com](http://KILIANBEARINGS.com)



## Altra's Application Profile Videos on YouTube

Visit Altra Motion on YouTube to see over 50 Application Profile Videos featuring success stories from a variety of industrial applications. New videos are uploaded routinely, so check back often!

These micro videos comprise the Problem | Solution Playlist and are ideal for sharing with others. They are included in the Brand Playlists as well.

Share your favorite videos via email or various other social media sites. Videos can also be added to custom playlists or saved to a "Watch Later" list.

Visit Altra on YouTube today!

For more information, visit Altra's YouTube channel at  
[www.YouTube.com/AltraIndMotion](http://www.YouTube.com/AltraIndMotion)



Scan to visit  
the Problem  
Solution Playlist  
on YouTube



## Formsprag Custom EBR Brake for the International Space Station Telescope

A reliable braking solution was required for the new Coronal Diagnostic Experiment (CODEX) telescope installed on the International Space Station (ISS). The solar coronagraph telescope will measure electron density, velocity and temperature of the solar wind. The brakes are used to hold the 556 lb. telescope in place when power is turned off to prevent damage caused by any uncontrolled motion.

NASA engineers collaborated with Formsprag Clutch to develop a custom brake to meet the 3 ft.lb. minimum holding torque and <10W power draw requirements of this challenging zero-gravity application.

- 50 Millisecond reaction time
- Infinite angular alignment capability (IAAC)
- Advanced friction disc material

For more information, download P-8960-FC from [www.AltraLiterature.com](http://www.AltraLiterature.com)



## Ameridrives F315 Universal Joints for High-Horsepower Hydraulic Fracturing Applications

An economical solution to meet the demands of greener, next generation fracking processes

Ameridrives engineers have developed a new U-joint based on the proven design of the popular Ameridrives U3315 model. The economical shaft, with a peak torque rating of 1,100,000 lb.in., can handle the environmentally-friendly, higher horsepower diesel engine and gas turbine drives being utilized on newer trailer-mounted pump packages.

- Increased torque ratings vs. J Series models
- Smaller swing diameter vs. comparable J Series models
- Conventional closed eye design
- One-piece yokes
- 315/350mm DIN style flanges available
- All shafts dynamically balanced
- Manufactured in the heart of Oil & Gas Country. Our facility in San Marcos, Texas is ideally located to serve the industry
- Faster response compared to off-shore competitors
- Optional add-on companion flanges



For more information, download P-8969-AC from [www.AltraLiterature.com](http://www.AltraLiterature.com)

## Twiflex Turning & Locking System (TL) for Auto Shredders

A major U.S. scrap metal recycler needed a replacement shaft turning and locking system for a large auto shredder at one of its facilities in central Florida. The turning/locking device is needed when power to the shredder is shut off so crews can replace damaged hammers on the large mill rotor.

Twiflex engineers designed a stationary drive that was significantly more cost-effective than a competitive design. The new Twiflex custom Turning/Locking (TL) System was installed on the hammer drum drive shaft near the 3000 HP drive motor. It allows continuous bi-directional turning at slow speed so workers have easier access to damaged hammers.

### Features:

- Custom gear turning and locking system
- Multi-function, single interface
- Continuous bi-directional turning at slow speed
- Turning gear comprising gearwheel, motor and gearbox with fully monitored, remotely operated tooth locking device



For more information download P-8972-TF from [www.AltraLiterature.com](http://www.AltraLiterature.com)

## Upcoming 2022 North American Tradeshows

IVT EXPO	Chicago, IL	Aug 31 - Sep 1
FA&M	Miami, FL	September 11-14
TURBO MACHINERY & PUMP SYMPOSIA	Houston, TX	September 12-15
NAEC	Louisville, KY	September 18-21
GMRC	Fort Worth, TX	October 2-5
WEFTEC	New Orleans, LA	October 10-12
EQUIP EXPO	Louisville, KY	October 19-21
IAAPA	Orlando, FL	November 15-18
PACIFIC MARINE EXPO	Seattle, WA	November 17-19
WORKBOAT	New Orleans, LA	Nov 30 - Dec 2



For more information about upcoming tradeshows, visit: [www.Altramotion.com/Tradeshow](http://www.Altramotion.com/Tradeshow)

## Visit Altra's Virtual Trade Show Exhibit Booth

The Latest Advancements in Power Transmission and Motion Control Solutions for Altra Motion are on Display at [WWW.ALTRAEX.COM](http://WWW.ALTRAEX.COM)

Navigate through the virtual exhibit to get a comprehensive overview of the capabilities of each leading brand while viewing imagery, videos, downloads and literature.

Scan to visit Altra's Virtual Trade Show Booth



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### Custom Gearboxes and Gear Couplings for San Francisco Cable Car System

The San Francisco Municipal Transportation Agency (SFMTA) recently completed its Cable Car Barn Propulsion Gearbox Rehabilitation Project.

Originally installed in 1982, the gearboxes on the iconic cable car system had eclipsed their design life and were in dire need of overhaul.



### BSFH & BSFI Braking System with SOBO® iQ for Copper Mine Service Hoist

A large mine hoist manufacturer required a reliable emergency stopping and parking brake system for a 20-ton hoist at a copper mine. The OEM worked closely with Svendborg Brakes, a trusted partner, based on Svendborg's ability to provide quality products, complete engineered systems with controlled braking along with superior service and support.



### Proven Braking Technologies Help Vehicle OEMs Accelerate Speed-To-Market

The rapidly growing demand for compact, battery-powered construction and agriculture equipment has created a highly competitive market environment for equipment OEMs. Warner Electric, a global leader in electromagnetic brake technologies, is uniquely positioned to support design engineers as they meet these application challenges.

**Ameridrives**  
**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