

October 2014

# Power Review

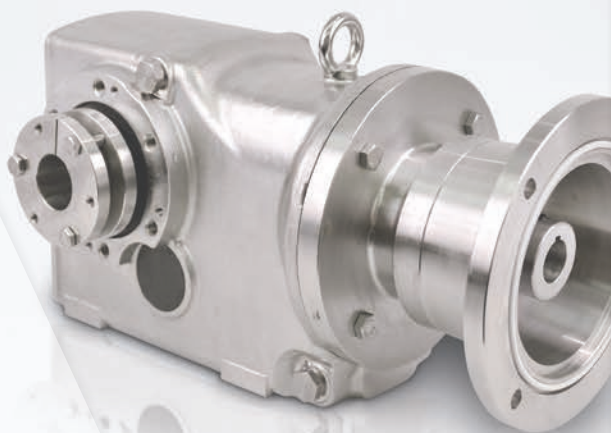
*The Power Brands in Power Transmission*

Altra Industrial Motion

Vol. 3 | No. 3

## **PRODUCT INNOVATION IN ACTION!** FROM THE BRANDS OF ALTRA INDUSTRIAL MOTION

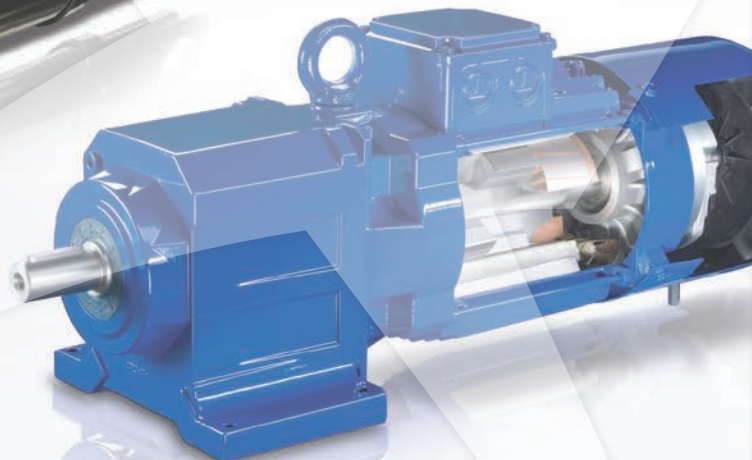
**Stainless Steel  
Helical Gear Drive**  
*Boston Gear*



**IP69K Rated  
Linear Actuators**  
*Warner Linear*



**IE4 Technology Energy  
Efficient Gear Motors**  
*Bauer Gear Motor*



### **Featured in this Edition...**

Altra Welcomes  
Guardian Couplings

Stainless Steel Helical  
Bevel Gear Drives

IP69K Rated Actuators

L-Jaw Couplings are  
Available in the eCatalog

Svendborg Double-Piston  
Brake Calipers

NEW Altra Bridge  
and Dam Website

Bauer Electro-Mechanical  
Application Solutions

Marland CECONs Keep  
Equipment Going



Find **Altra Industrial Motion** on:



For more information contact us at:  
**info@altramotion.com** or  
visit **www.altramotion.com**



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the Power Review

Altra Industrial Motion *The Power Of Experience*

Ameridrives Couplings  
Ameridrives Power  
Transmission  
Bauer Gear Motor  
Bibby Turboflex  
Boston Gear

Delroyd Worm Gear  
Formsprag Clutch  
Guardian Couplings  
Huco Dynatork  
Industrial Clutch  
Inertia Dynamics

Kilian Manufacturing  
Lamiflex Couplings  
Marland Clutch  
Matrix International  
Nuttall Gear  
Stieber Clutch

Svendborg Brakes  
TB Wood's  
Twiflex Limited  
Warner Electric  
Warner Linear  
Wichita Clutch

## Altra Welcomes Guardian Couplings to the Family

For more than 60 years, Guardian has been designing and manufacturing world-class couplings and other power transmission components. Utilizing advanced manufacturing technologies and processes, Guardian provides highly-reliable coupling and component solutions to meet the most challenging industrial application requirements.

Guardian provides a wide range of standard and custom products including gear, grid, disc and jaw shaft couplings, as well as Oldham, beam, universal lateral and bellows motion control couplings. Flywheel couplings, hydraulic pump drives, compressor drives, PTO shafts and bearing supports are also offered.

Durable Guardian products are utilized in key industries including off-highway, automation, farm and agriculture, power generation, oil and gas, and metals on applications such as robotics, bucket loaders, aerial lifts, harvesters, pumps, baggage handlers, compressors, generator sets, turbine-driven gearboxes, rolling mills and conveyors.

Guardian joins Ameridrives Couplings, Bibby Turboflex, TB Wood's, Huco Dynatork, Ameridrives Power Transmission and Lamiflex Couplings, the industry-leading brands of Altra Industrial Motion's Coupling Group which supply innovative couplings solutions to meet the requirements for a broad variety of applications.



For more information visit  
[www.GuardianCouplings.com](http://www.GuardianCouplings.com)



## Stainless Steel Helical Bevel Gear Drives

Boston Gear expands its stainless steel offering with SS2000R products complete with a 316 series stainless exterior, a domed crown and rounded corners for superior washdown run-off and premium efficiency of ground helical bevel gearing.

The gear drives exhibit an industry-leading performance with an output torque to 7,700 lbf-in (870 Nm) and input power to 10 HP (7.5 kW).

Unique value-added features include: mounting registers that speed-up installation, automatic entrapment of metallic wear debris that prolong product life and laser-marked nameplates impervious to the effects of caustic washdown. Moreover, optional high pressure washdown deflectors protect seals against highly aggressive environments.

For more information download  
flyer P-7417-BG and  
catalog P-7414-BG from  
[www.AltraLiterature.com](http://www.AltraLiterature.com)



## L-Jaw Available on TB Wood's Online Tools

The TB Wood's eCatalog and Online Coupling Selection Tool have been expanded to include L-Jaw coupling product data. The following useful features will help you select the right product for your specific application:

- Utilize specification filters to instantly narrow your search
- Compare specifications (side-by-side)
- View individual specification pages for additional information
- Download CAD drawings in various formats
- Submit an RFQ to a local distributor from a list provided or search for the local TB Wood's Area Sales Manager
- Search for a specific part number
- Easy access literature link

For more information download  
brochures P-7234-TBW & P-7408-TBW  
from [www.AltraLiterature.com](http://www.AltraLiterature.com)  
or visit [www.TBWoods.com](http://www.TBWoods.com)



## Warner Linear IP69K Rated Actuators

Warner Linear has released an updated catalog of Electric Actuators and Actuator Controls highlighting the brand's latest products and environmental ratings.

Recently released, the rugged duty inline I-Track actuator is suited for applications needing a power-off that releases the rod into a float mode. This unit utilizes a ball screw and planetary drive for long life in a compact space. The I-Track has also received an environmental rating of IP69K Static and IP66 Dynamic.

The following Warner Linear actuators and controls have received the highest protection rating available, IP69K: B-Track K2-DC, S-Track, I-Track, and M-Track with protective boot. These products are ideal for applications in the food processing, pharmaceutical, medical, marine, construction, and agricultural industries.

For more information download catalog  
P-1581-WL & flyer P-7693-WL from  
[www.AltraLiterature.com](http://www.AltraLiterature.com) or visit  
[www.WarnerLinear.com](http://www.WarnerLinear.com)



## Double-Piston Disc Brake Calipers

Svendborg Brakes introduces a new series of Double-Piston Disc Brake Calipers. Developed specifically for oil & gas applications, the calipers are ideal for providing the reliable safety performance vital to the flow of production in harsh environments and rugged applications.

Capable of being used where there are DNV OS-E101 DP, ABS-CDS or API-7K SR2 requirements, the calipers exhibit versatile operating features while retaining minimal maintenance requirements.

Additionally, the direct acting fail-safe and active disc brake calipers have a clamping force range of 40,000-400,000N.

For more information visit  
[www.Svendborg-Brakes.com](http://www.Svendborg-Brakes.com)





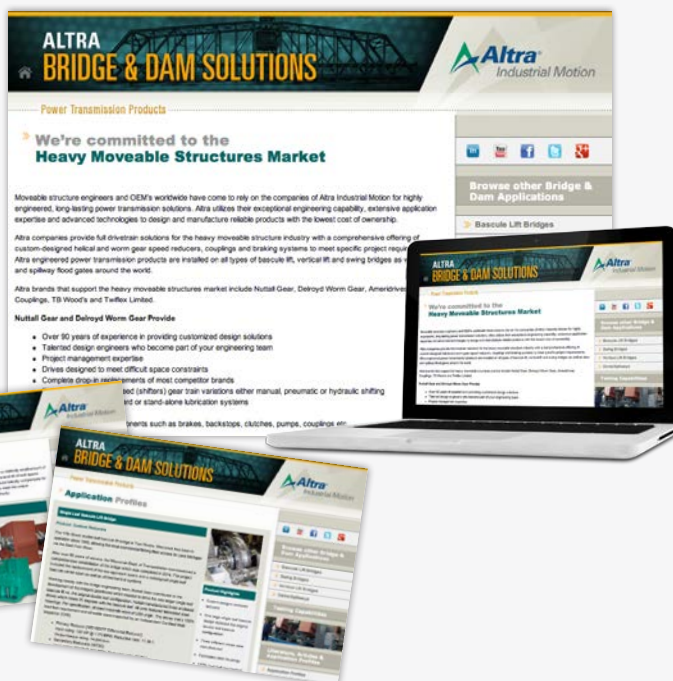
## NEW Altra Bridge & Dam Focused Website

Altra Industrial Motion has launched a new website that offers bridge and dam solutions for the heavy moveable structure industry.

**[WWW.ALTRABRIDGEANDDAM.COM](http://WWW.ALTRABRIDGEANDDAM.COM)**

The website is organized into application-specific categories including bascule lift bridges, vertical lift bridges, swing bridges, dams and spillways. Highly engineered products are offered for specialized drivetrains including spillway tainter and bulkhead gates.

Specific Altra brand products listed include couplings, brakes and custom-designed gear drives. Product photos, features, benefits and specifications are included for each Altra brand solution that can be applied to improve operational efficiency, productivity, safety and reliability. Information about Nuttall Gear's extensive in-house gearbox testing capability is also included.



Links on [www.AltraBridgeAndDam.com](http://www.AltraBridgeAndDam.com) are provided to all Altra brands supporting the bridge and dam industry including Nuttall Gear, Ameridrives Couplings, Delroyd Worm Gear, Twiflex Limited, TB Wood's and Bibby Turboflex.

A link is also included to the Literature Portal containing downloadable PDFs of product brochures and catalogs, along with bridge and dam industry application profiles.

Visit [www.AltraBridgeAndDam.com](http://www.AltraBridgeAndDam.com) or [www.AltraLiterature.com](http://www.AltraLiterature.com) to download Application Profiles.



## Efficient Energy Savings Solutions

Throughout the drivetrain, potential energy savings are distributed via the ZVEI model: 10% via improved efficiency of the motor, 30% via electronic speed regulation and 60% via optimization of the mechanical system.

While the current focus on energy efficient motors is important, it's even more important that engineers are aware of areas where improvements can be made.

Bauer supplies electro-mechanical application solutions which are committed to delivering the best solution possible for any given application, by maximizing the savings potential across each of the three fields listed above. This means long-term reliability, low maintenance costs and the best energy efficiency possible. Bauer's approach to optimization is to adapt and simplify every aspect of the drivetrain—ensuring that it integrates seamlessly with the machine.

**For more information on IE4 technology visit [www.BauerGears.com](http://www.BauerGears.com) or scan the QR code to watch the videos**



## Marland CECONs Keep Equipment Going

Marland Clutch is a world leader in the design and manufacture of CECON clutches. The CECON clutch provides an overrunning clutch function in a protected oil bath housing for critical applications like dual fan drives in oil refineries.

Marland offers several different robust designs having either ball bearing support for standard motor speeds or sleeve bearing support for higher speed applications.

Marland CECON designs are available with:

- 37 different designs
- Torque range from 500 to 60,000 lb. ft.
- Speed ranges up to 12,000 RPM
- Complete disconnect feature with OSHA approved lock-out, tag-out feature
- Certified to ISO 9001:2008

**For more information request catalog P-1470-MC from [www.AltraLiterature.com](http://www.AltraLiterature.com)**



## New Literature

### Now Available for Download or Request..

New/Updated Catalogs, Brochures, Flyers and More!

P-7742-WE & A4	ERS VAR 11-11 Electrically Released Brake for Wind Turbines Flyer
P-7743-WE & A4	PK Spring-Applied Motor Brake Electrically Released Brakes for Wind Turbines Flyer
P-7744-WE & A4	PK Spring-Applied Motor Brake Captive Design Electrically Released Brakes for Wind Turbines Flyer
P-7690-WC & A4 (CN)	Grinding Mill Clutches for the Mining Industry Brochure
P-2101-WE-A4	Boost Supply For DC Brake Service Manual
P-2100-WE-A4	AC Rectifier CBCx-001 Service Manual
P-956-FC	Overrunning, Indexing Backstopping Clutches Catalog
P-7308-WE	ERD/ERDD VAR03 Flyer
P-7404-C	Power Transmission Solutions for the Metal Producers Market Brochure
P-1960-C & A4	Electric Clutches and Brakes for Wind Turbines Brochure
P-1767-MX & A4	SAE Series Multiple Disc Hydraulic Bolt-on Brakes Flyer
P-1958-C	Spring Set Brakes for Heavy Duty Applications Brochure
P-1352-FC	CSK One Way Bearing Clutches Catalog
P-7408-TBW	Coupling Selector Brochure
P-7234-TBW	eCatalog Brochure
P-7705-WE	Electric Clutch Solutions for Mobile Off-Highway Applications Brochure
P-7693-WL	Warner Linear IP69K Rated Actuators and Applications Flyer
P-1465-FC & A4	Overrunning Clutches Application Guide Brochure

To download or request literature visit [www.AltraLiterature.com](http://www.AltraLiterature.com).

## Articles & Application Profiles

### Articles

for all Altra Brands

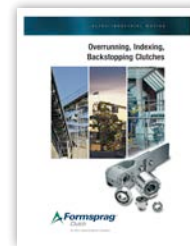
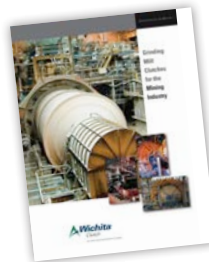
P-7666-SC	Going Off-Road
P-7595-WC	The Pressure is on at the University of Florida
P-7696-BGM	Bauer Electro-Mechanical Application Solutions Provide Efficient Drivetrain Integration
P-7613-C	Manuals Save You Time and Money
P-7636-TBW	Understanding Trade-Offs When Selecting Belted Drive Systems
P-7614-MC	Belt Conveyor Holdbacks
P-7661-C	Critical Factors for Proper Product Selection and Sizing
P-1880-HD-RU-A4	Huco Dynatork Air Motor is "Sweet Find" for Greydon Bagging Machine

### Application Profiles

for all Altra Brands

P-7683-BB	H-Type Resilient Grid Coupling
P-1798-HD-RU-A4	Food Packaging Machines
P-7317-HD-RU-A4	Free-Floating Piston Air Motors Aluminum Foil Tray Stamping
P-7681-CG	Screw Compressor
P-7677-TF	Gantry Crane
P-7678-NG	Blast Furnace Slag Granulator
P-7684-WL	Baby Leaf Greenhouse Harvesters
P-7699-BGM	Plastic Bottle Blow Molding Machines
P-7697-SC	Eco-Marathon Vehicle
P-7605-KM	Pickup Truck Door Checker
P-7581-DWG	Aramid Fiber Polymer Mixer
P-7549-WC	Hurricane Simulator
P-7368-FC	Taconite Pellet Conveyor
P-7367-FC	Poultry Farm Ventilation Fans
P-7366-FC	Corrugated Paperboard Machine
P-7610-BB	Plastic Extruders
P-7611-BB	Power Station Furnace Conveyors
P-7642-NG	Single Leaf Bascule Lift Bridge

To download Articles or Application Profiles visit [www.AltraLiterature.com](http://www.AltraLiterature.com).



## Tradeshows

### Upcoming Shows

#### 2014 Shows

AIMEX Expo	Sydney, Australia	September 1-4
China Paper 2014	Shanghai, China	September 15-17
HMS Bridge Symposium	New Orleans, LA	September 15-18
Electra Mining 2014	Johannesburg, SA	September 15-19
CIME 2014	Beijing, China	September 16-18
Turbomachinery 2014	Houston, TX	September 22-25
HUSUM Wind 2014	Husum, Germany	September 23-26
Agroprodmash	Moscow, Russia	October 6-10
China Beverage 2014	Beijing, China	October 13-16
PTC 2014	Shanghai, China	October 27-30
Metal Expo	Moscow, Russia	November 11-14
International CEMENT Forum	Moscow, Russia	December 2-4
Work Boat Show	New Orleans, LA	December 3-5
Power Gen 2014	Orlando, FL	December 9-11

#### 2015 Shows

SME 2015	Englewood, CO	February 15-18
Coal Prep 2015	Lexington, KY	April 27-30
OTC 2015	Houston, TX	May 4-7
GPS 2015	Calgary, AB, Canada	June 9-11
Process Expo 2015	Chicago, IL	September 15-18

## Altra Newsroom

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