

# Power Review

*The Power Brands in Power Transmission*

**Altra Motion**

Vol. 8 | No. 3 | 2019

## IP68 Solutions

**Bauer IP68 Geared  
Motor Solutions for the  
Wastewater Industry**

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

Bauer Gear Motor IP68  
Solutions: Energy Efficient  
Technology for the  
Wastewater Industry

Warner Electric Introduces  
New ERX Brakes Range  
and the WES Contactless  
Sensor

Stromag Introduces  
the New Steel Spring  
Coupling (SSC)

Experience the TB Wood's  
Service Difference

Twiflex USA Brake Calipers

Boston Gear Rapid  
Response Delivery



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Creating A Premier Industrial Company

#### **Ameridrives**

**Bauer** Gear Motor

**Bibby** Turboflex

**Boston** Gear

**Delevan**

**Delroyd** Worm Gear

**Deltran**

#### **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

**Warner** Linear

**Wichita** Clutch

## Bauer Gear Motor IP68 Solutions: Energy Efficient Technology for the Wastewater Industry

IP68 geared motors are most suitable where it is required to convey or transport foul, waste, river or rain water, and all types of sludge-containing waters in communal or industrial areas. They are frequently used in applications such as agitators for mixing and homogenizing, in extremely wet areas or even completely submersed under water.

### Features and Benefits:

- Motor efficiencies IE2 / IE3 and IE4
- IP68 submersible designs
- High axial and radial loading capacity
- ATEX certified
- Customized sealing solutions
- Advanced coating systems
- Leakage sensors and detectors
- Stainless steel shafts

For more information, download P-7184-BGM from [www.AltraLiterature.com](http://www.AltraLiterature.com)



Scan to visit  
IP68 Solutions



## Warner Electric Introduces New ERX Brakes Range and the WES Contactless Sensor

Warner Electric has released a new range of pre-assembled electromagnetic brakes that offer superior performance for stopping and parking applications. The brakes can be specified in standard, high-torque or high-speed configurations and with a selection of accessories included. Thanks to its modular design and efficient stock holding, Warner Electric is able to offer thousands of variations with a very short lead time. Additionally, the integrality of the brakes range offered by Warner Electric is now equipped with the latest contactless sensor WES. Warner has developed this innovative technology for monitoring electromagnetic brakes in elevators and stage/theatre applications. Backwards compatible with conventional electromechanical microswitches, but with none of their inherent limitations, the patent-pending WES contactless sensor brings improved reliability to electromagnetic brake monitoring and adds the capability for predictive maintenance, eliminating unscheduled downtime.

For more information, download P-8705-WE and P-8692-WE from [www.AltraLiterature.com](http://www.AltraLiterature.com)



"WES" for monitoring  
of brake state



## Stromag Introduces the New Steel Spring Coupling (SSC)

The new spring-loaded coupling, which takes the shock loading out of drive transmission, offers a robust solution that can be tailored to suit any application in the off-highway and construction sectors.

Resistant to high temperature due to the application of steel and high temperature friction material, the SSC can be adapted to tailor-made drive trains by utilization of various spring packs and friction materials. This compact solution is long lasting with no wear and tear of the rubber material.

### Benefits:

- Customized torsional stiffness adapted to the application
- Compact solution which fits in every installation space
- 2in1: Combination of coupling and clutch
- Smoothly starting due to two-stage characteristic of the torque curve

### Functions:

- Transmission of torque
- Damping of torsional vibrations
- Absorbing of high shock loads
- Fail safe system for steel spring (patent applied)
- Suitable up to 120°C ambient



For more information, download P-8676-SG from [www.AltraLiterature.com](http://www.AltraLiterature.com)





## Experience the TB Wood's Service Difference

TB Wood's is highlighting what sets them apart in the areas of Service, Support and Strength with this quarter's focus on SERVICE.

- We provide fast answers, with a "live" customer service associate based at our factory
- Our manufacturing plants are structured to provide short lead times
- We provide fast, accurate quote turnaround
- We're responsive to ensure that our customers questions and issues will be promptly and properly addressed



Scan to watch  
Specify the TB Wood's  
Service Difference



## 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](http://www.AltraLiterature.com)



Call Twiflex  
Toll-Free: 844.723.3483



## Boston Gear Rapid Response Delivery

A large vegetable grower and processor located in Northern California needed a double reduction speed reducer to replace a failed unit on one of its pepper processing machines. The equipment was critical to the plant's operation, so downtime needed to be kept to a minimum. Since the original reducer was not a standard product, the Boston Gear engineering team quickly went to work to create a drawing for a custom, 700 Series double reduction speed reducer with a 1500:1 ratio. The customer then verified that the new gearbox design would fit in their application based on Boston's specs and dimension drawing.

To help the customer even further, the Boston Gear team took the time to refill the oil so the unit was ready-to-use upon receipt.

- Custom double reduction reducer
- 1500:1 Gear ratio
- 2-Day shipment
- Exclusive Stainless Bost-Kleen (SBK) washdown coating
- Oil prefilled prior to shipment



For more information,  
download P-8556-BG  
from [www.AltraLiterature.com](http://www.AltraLiterature.com)



# Altra OnDemand Webinars



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

## 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

## Fast Facts Webinars:

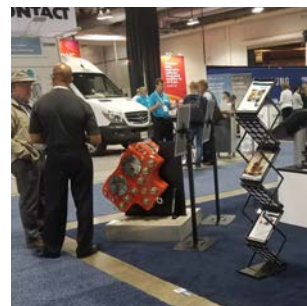
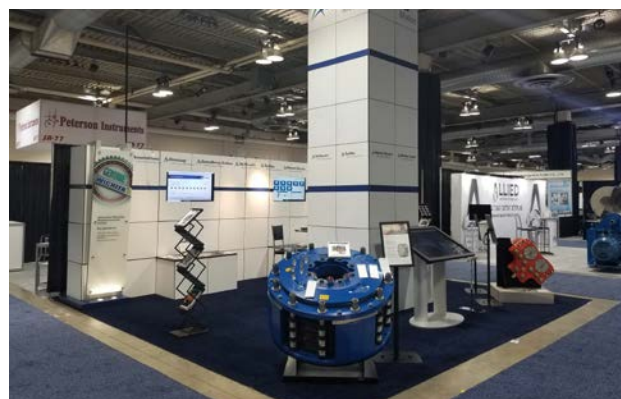
- Clutch/Brakes: Heavy Duty or Normal Duty  
*Explains the differences in Normal Duty and Heavy Duty product configuration*
- Power Supplies: AC or DC Side Switching  
*A review of why an application will most easily use either switching on the AC or the DC side of the power supply.*
- Magnetic Particle 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.*

# Upcoming North American Tradeshow

## 2019 Shows

Turbomachinery	Houston, TX	September 10-12
NAEC	Grand Rapids, MI	September 18-19
WEFTEC	Chicago, IL	September 21-25
GIE+EXPO	Louisville, KY	October 16-19
Pacific Marine Expo	Seattle, WA	November 18-20
Power Gen	Orlando, FL	November 19-21
International Work Boat Show	New Orleans, LA	December 4-6

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



## GPS 2019

June 11-13, 2019 | Calgary, Alberta, Canada