

Power Review

The Power Brands in Power Transmission

Altra Industrial Motion

Vol. 4 | No. 3 | 2015

Featured in this Edition...

Boston Gear Original
"Domed Crown"
Stainless Steel Reducer

Formsprag Rebuild and
Overhaul Service

Twiflex USA Brake
Calipers

TB Wood's
Sure-Flex® Plus

Huco Oldham Couplings

Warner Linear
Programmable S-Track
Linear Actuator



BOSTON GEAR Original
"Domed Crown" Stainless
Steel 700 Series Reducer

NSF

Certified

BOSTON GEAR
WWW.BOSTONGEAR.COM
1-888-999-9889
RATIO 30
INPUT HP .45
OUTPUT TORQUE 573 LB-IN
CAT. NO. SS#718-30K-B5-H-P16
ITEM CODE 500000
SERIAL NO. 070623001
RATINGS FOR 1.0 SF @ 1750 RPM
USING KLUBERSYNTH LHM 9-460

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
Industrial Motion

Find **Altra Industrial Motion** on:



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



Scan to download
the interactive version of
the Power Review

Boston Gear Original "Domed Crown" Stainless Steel 700 Series

The Boston Gear 700 Series Worm Gear Speed Reducer has been a foundation in food and beverage applications for decades. As a leader in worm gear technology, Boston Gear continues to improve product performance by developing innovative designs to meet more stringent demands and anticipated tightening of federal regulations in the food and beverage industry.

Utilizing the often imitated but never equaled 700 series worm gearing combined with new exterior designs, the new stainless steel 700 series performance has been optimized to withstand the harshest washdown conditions! The new line incorporates features that were designed with the input of some of the food processing industries' leading players to maintain optimal performance in the toughest caustic environments.

The Stainless Speed Reducer is NSF International certified and the Stainless Gearmotor is UL / ULc Certified.

For more information download P-1998-BG & P-7756-BG from www.AltraLiterature.com or visit www.BostonGear.com



Boston Gear Stainless Gear Drives Enhance Food Safety

The Clean Product Advantage

- NSF Certified
- Sealed motor flange
- Electropolished exterior finish
- Covered hardware
- Maintenance friendly features



P-7756-BG



Process improvements have yielded the BEST standard leadtime for stainless worm gear reducers.

The Boston Gear Service Advantage

- Standard 2 day delivery on any cataloged SS700 Series product
- Same day break down service
- After hours/holiday hotline
- Stocked at local and regional distribution centers



Laser marked nameplate provides worry-free part identification while maintaining a smooth, unetched surface. Rounded housing prevents foreign matter adherence and fluid accumulation.

Formsprag Rebuild and Overhaul Service

Send Formsprag your old clutches to make them like new again. The difference is not just cosmetic.

All internal components – sprags, energized springs, retainer, bearings, seal and hardware are refurbished or replaced to new performance standards. The inner and outer races are ground to specifications noted below so that no wear patterns remain.

- Sprag Surface is hardened to 58-62 Rc
- Sprag Surface finish is 15-25 microinches
- Sprag Surface taper limit is 0.0002 inch per inch

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
- **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



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



Call Twiflex
Toll-Free: 844.723.3483



Sure-Flex® Plus: A New Standard for Performance

For over 50 years, TB Wood's has led the coupling industry with the original TB Wood's Sure-Flex design. And we haven't stopped innovating: this industry favorite just got even better.

Our new Sure-Flex Plus EPDM and Neoprene sleeves are best-in-class for coupling performance and value. Here's why:

High Torque Rating

30% Increased Torque Rating

Provides longer service life in demanding applications, reducing required maintenance and associated replacement cost.

Longer Life

Sure-Flex Plus Lasts Over 3X Longer than the Competition

Extensive testing shows our sleeves outlast the imitators. More uptime means less costly downtime.

Better Value

Save Money Using a Smaller Coupling

The increased rating of the Sure-Flex Plus sleeves lets the user choose a one-size-smaller coupling for over 50% of common applications. This lowers the cost of both initial purchase and future sleeve replacement.

Interchangeable

Retrofits to Existing Flanges

No need to replace the full coupling – The Sure-Flex Plus sleeve design is 100% compatible with the current industry standard that TB Wood's created over 50 years ago.



For more information download P-7819-TBW
from www.AltraLiterature.com
or visit www.TBWoods.com

Sure-Flex® PLUS
TB Wood's Incorporated



Proven Oldham Couplings 25% Higher Torque

Just introduced, the Oldham lateral offset couplings are designed to handle 25% higher torque than their forerunners.

Previously, a peak torque rating of 44Nm was the highest available. Now, 55.36Nm is possible using a specially designed larger diameter disc.

The Oldham is precision engineered throughout and comprises two hubs with inward facing tenons. These engage with matching slots spaced at 90° in a central lightweight torque disc. A hard, low friction facing on the working surface guarantees long, trouble-free operation.

Typical applications range from the incremental control of fluid valves to positional systems in machinery, robots and slide tables. They can also be applied to microstepper and closed loop servo systems and, to a lesser extent, half and full step motor drives.



Programmable S-Track Linear Actuator

Warner Linear has expanded the S-Track linear actuator product line with the addition of a new programmable model.

An easy-to-use integrated keypad allows operators to set and reset end of travel positions as well as two intermediate stops.

New S-Track electric actuators are designed for better control and quieter operation in general duty applications including medical, industrial, turf & garden and recreational vehicles.

For more information download
catalog P-1581-WL from
www.AltraLiterature.com or visit
www.WarnerLinear.com



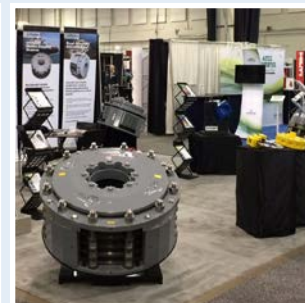
Upcoming North American Shows

2015 Shows

Turbomachinery	Houston, TX	September 14-17
Process Expo 2015	Chicago, IL	September 15-18
Mining in Mexico	Acapulco, Mexico	October 7-10
International WorkBoat	New Orleans, LA	Dec 1-3
Power-Gen International	Las Vegas, NV	Dec 8-10

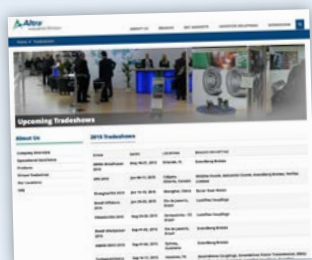
2016 Shows

SME	Phoenix, AZ	Feb. 21-24
Coal Prep	Louisville, KY	April 25-27
OTC	Houston, TX	May 2-5
GPS	Calgary, Canada	June 7-9
MINExpo International	Las Vegas, NV	September 26-28



GPS 2015

June 9-11 | Calgary, AB, Canada



For more information about upcoming tradeshows, visit:
www.Altramotion.com/Tradeshow

Altra Newsroom

Get Connected Altra News

Altra makes it quick and easy for you to get the news you need. From new literature releases to trade show schedules, the news is at your fingertips 24 hours a day.

Altramotion.com/Newsroom



Like us on Facebook and follow us on Twitter and Google+ for up to the minute news you can use. Link with us on LinkedIn and find us on YouTube to watch training videos and application movies.

Featured News Stories



Altra – Fluid & Gear Couplings for Sugar Processing Conveyor

A sugar refinery needed to install a new inclined conveyor to provide an infeed flow of sugar into the initial affination (cleaning/purifying) process. To meet the requirements, a Wichita Clutch Measur-fill fluid coupling was installed along with Ameridrives Gear couplings. The use of a fluid coupling allows for a slow acceleration of the load, significantly reducing the strain on the components.



Kilian – Custom Stainless Steel Bearing Assembly for Overhead Poultry Conveyor

A leading overhead conveyor manufacturer needed bearings for a poultry processing conveyor system. Kilian was contacted and developed a Kilian No-Rust 300 Series stainless steel shielded assembly with an integral stud. This value-added assembly gives the end-user the ability to install the product right out of the box, eliminating any bearing assembly by the end-user.



Formsprag – Model FSO Overrunning Clutch for Roller Coaster

A large, Midwestern theme park needed a replacement overrunning clutch for use on one of their most popular inverted roller coasters. To meet the ride's requirements, Formsprag supplied a grease-lubricated, 15" diameter FSO-1027 clutch with a 27,000 lb.ft. (36,720 Nm) torque capacity.