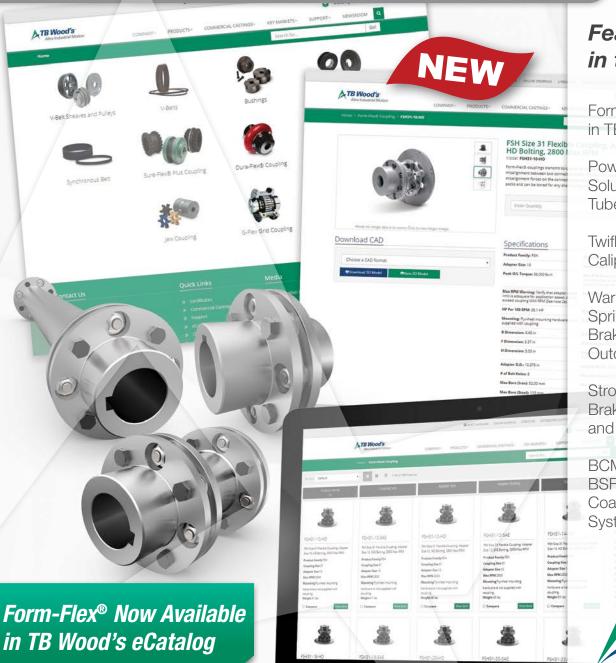
Power Brands in Power Transmission

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Featured in this Edition...

Form-Flex[®] Now Available in TB Wood's eCatalog

Power Transmission Solutions for Seemless Tube Piercing Mills

Twiflex T35 Top Drive Caliper Brake

Warner Electric PK Spring-Applied Motor Brake Captive Design for Outdoor Power Equipment

Stromag SHD Series Braking Systems for Luffing and Flat Top Tower Cranes

BCMA Backstops and BSFI Caliper Brakes for Coal Mine Conveyor Systems





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



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TB Wood's Thomson Twiflex Warner Electric Wichita Clutch

Form-Flex Now Available in TB Wood's eCatalog

Now Available Form-Flex[®] Drawings & CAD. Dimensionally-accurate, to-scale models are offered in every possible configuration of Form-Flex AP, GP, A5 and G5 Series couplings. Easily select filters and compare products to meet specific requirements and applications. Request quotes, view related literature and product models. eCatalogs are also mobile device and tablet friendly.



Power Transmission Solutions for Seemless Tube Piercing Mills

Altra Motion provides power transmission solutions for use in Seemless Tube Piercing Mill Plants. Altra brands supply a wide range of products used on all types of seemless tube piercing plant machinery including piercing mills, sizing/reducing mills, straightening mills, cooling beds and transport systems.

All Altra power transmission components, including universal joints, couplings, spindles, speed reducers, geared motors, clutches, brakes, and torque limiters are designed to provide years of dependable service in harsh mill conditions. Rugged Altra products can be found hard at work in seemless tube piercing mills across the US and around the world.

For more information, download P-8479-C from www.AltraLiterature.com

The websites offer the global metals industries convenient, 24-hour access to the Altra brands, products and applications critical to virtually every operation in metal mills and metal processing facilities.



Twiflex T35 Top Drive Caliper Brake

The Twiflex T35 modular caliper brake is a hydraulic pressure-applied unit designed specifically for top drive applications. It features a split housing with a rear-mounting capability to provide a direct interchange with common brake platforms.

www.AltraMetalProducers.com

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- Up to 2393 psi (165 bar) operating pressure produces a maximum 5845 lb (26 kN) nominal braking force
- Compact, robust housing design is fully plated for optimum protection
- Mounting and port interface aligned with common caliper designs
- Hardware cross-drilled as standard for wire-locking
- Minimum disc diameter 10.2 in (260 mm)

- Standard disc thickness 0.5 in (12.7 mm)
- Pad retraction springs ensure running clearance in the 'brake off' state
- Design operating range between -4°F and 158°F (-20°C and +70°C)



AAltra



For more information, download P-8817-TF from www.AltraLiterature.com

Narner Electric PK Spring-Applied Motor Brake Captive Design for Outdoor Power Equipment

The Pan-Cake Captive (PK Captive) range is a pre-assembled on/off dry failsafe electromagnetic brake. This failsafe brake is used for parking and emergency only. The brake uses a high coefficient of friction material and powerful coil to optimize torque in a low profile package. The coil can be linked with a pulse width modulation power supply to reduce power consumption and maintenance.

The benefits of this cost competitive range include one piece design for easy assembly, lower power consumption, and overall lower maintenance costs.

- High torque within a compact space envelope
- Multi-step braking versions available
- Low profile space saving design
- · Hand release on request
- IP65 as a standard, IP67 on request
- Non-sticking friction material under harsh conditions





For more information, download P-8806-WE from www.AltraLiterature.com

Stromag SHD Series Braking Systems for Luffing and Flat Top Tower Cranes

FMGru, a leading tower crane manufacturer located in Italy, needed reliable emergency braking systems for several models of its flat top and hydraulic luffing cranes. The caliper brakes are mounted on the disc flange of the crane's main hoist drums. Brakes are also utilized on flat top crane trolleys.

Stromag SHD Series brakes were chosen over competitive models based on superior performance characteristics and technical support. The Stromag team responded guickly to FMGru and collaborated with its engineers to ensure that optimal brake solutions were selected for each specific crane model application. Stromag was also able to deliver complete braking systems, including Type CSH hydraulic power packs, to meet FMGru's tight production schedule.

- Spring set, hydraulically released emergency brakes
- Compact design
- Four models with dynamic braking forces from 11kN to 180kN
- Type CSH hydraulic power packs also supplied



For more information, download P-8800-SG from www.AltraLiterature.com

BCMA Backstops and BSFI Caliper Brakes for Coal Mine Conveyor Systems

Robust braking and holdback solutions were required for use on a conveyor system at Sasol's Impumelelo coal mine expansion project in South Africa. The conveyor OEM contacted Svendborg Brakes based on previous successful mine conveyor collaborations. While discussing the braking package specifications, it was determined that Marland Clutch, another Altra Industrial Motion company, could provide the convevor system's required backstops.

To meet the challenging application requirements, Svendborg supplied BSFI 360 DS Series dual-spring caliper brakes with 47,941 ft.lbs. (65,000 Nm) braking torque for use on the conveyor system's midstation pulley. BSFI 325 models with 19,914 ft.lbs. (27,000 Nm) braking torque were utilized on the high-speed shafts of both the midstation and head drive gearboxes.

Marland provided various sized backstops for the conveyor system including, Model BC-45MAs with 45,000 ft.lbs. (61,012 Nm) holding torque for the tippler conveyors and BC-375MA models with 375,000 ft.lbs. (508,432 Nm) torque rating for use on the inclined conveyor. A model BC-90MA with 90,000 ft.lbs. (122,024 Nm) torgue rating was utilized on the bunker feed conveyor.

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For more information, download P-8013-C from www.AltraLiterature.com





Altra OnDemand Webinars



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

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.

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IP Ratings: Where It Matters &

Warner Linear Product Launch -

Factors to Consider in Linear Actuator

• New TB Wood's Sure-Flex Plus[®] Savings

· Centrifugal Clutches: Applications and

How We Address It

Selection

Calculator

Selection

Introduction to H-Track

- 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.

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For more information, visit www.AltraWebinars.com

Upcoming North American Tradeshows

2019 Shows

Power Gen	New Orleans, LA	November 19-21
Pacific Marine Expo	Seattle, WA	November 21-23
WorkBoat Show	New Orleans, LA	December 4-6

2020 Shows

Heli-Expo	Anaheim, CA	January 27-31
IPPE	Atlanta, GA	January 28-30
Northwest Food & Beverage World	Spokane, WA	February 17-19
SME	Phoenix, AZ	February 23-26
GCA	Galveston, TX	March 24-27



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

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