

*Guardian Couplings*

*Kilian*

*TB Wood's*

*Thomson*

*Warner Electric*

# Power Transmission Solutions for Outdoor Power Equipment



## REGAL REXNORD PROVIDES ADVANCED POWER TRANSMISSION SOLUTIONS FOR OUTDOOR POWER EQUIPMENT APPLICATIONS

The well recognized brands of Regal Rexnord supply technically advanced clutch/brakes, linear actuators and controls, couplings, pulleys and castings for a wide range of outdoor power equipment applications including residential and commercial riding mowers, ZTR mowers, walk-behind mowers, UTV's and log splitters.



### **Regal Rexnord Brands Deliver Value Throughout the Drivetrain**

With industry-leading brand names, including Guardian, Kilian, TB Wood's, Warner Electric, and Thomson, Regal Rexnord is positioned to provide OEMs with exceptional drivetrain value by ensuring component compatibility and optimized performance combined with time-saving, single-source convenience.

### **Extensive Technical Experience in Outdoor Power Equipment Applications**

Based on long-term relationships, most major mower OEMs now view the Warner Electric engineering team as an extension of their internal engineering departments. OEMs routinely ship prototype mowers to Warner's Technology and Innovation Center so Warner engineers can develop a custom clutch/brake solution for the specific mower application and then define and perform all appropriate testing protocols in-house. Thomson's expertise in mower deck actuator applications is also well known throughout the industry.

Whether a modified standard product or a custom solution is required, Regal Rexnord provides complete sales and engineering support to customers around the world from the very first concept to the detailed planning, design phase and testing.

For more information about power transmission solutions for outdoor power equipment applications from Regal Rexnord including case studies, literature, and service manuals, visit

**[www.AltraOutdoorPowerEquip.com](http://www.AltraOutdoorPowerEquip.com)**



## REGAL REXNORD PRODUCTS HELP KEEP OUTDOOR POWER EQUIPMENT RUNNING LONGER



### Clutch/Brakes

As one of the world's largest providers of PTO clutch/brakes, Warner Electric offers a wide array of standard and custom solutions to meet the specific requirements for any mower application. Located in Columbia City, Indiana, Warner Electric's manufacturing facility is positioned to support leading mower OEMs worldwide.

**Warner Electric**



### Couplings and Driveshafts

Guardian Couplings provides reliable flywheel coupling technologies used to connect drive engines to hydraulic pumps on larger riding and ZTR mowers and tractors. TB Wood's elastomeric couplings are also used on these machines. Driveshafts from TB Wood's can also be incorporated.

**Guardian Couplings • TB Wood's**



### Linear Actuators & Controls

Rugged-duty Thomson actuators and controls are well-suited for a broad range of mower deck and UTV dump box and plow operating environments. Electrak® HD and Throttle, B-Track, H-Track and M-Track actuators provide years of dependable service in these challenging applications.

**Thomson**



### Sheaves and Castings

TB Wood's sheaves are used in all types of mower applications. TB Wood's also provides unmachined ductile and gray iron sheave, pulley, and counter weight castings to mower OEMs.

**TB Wood's**

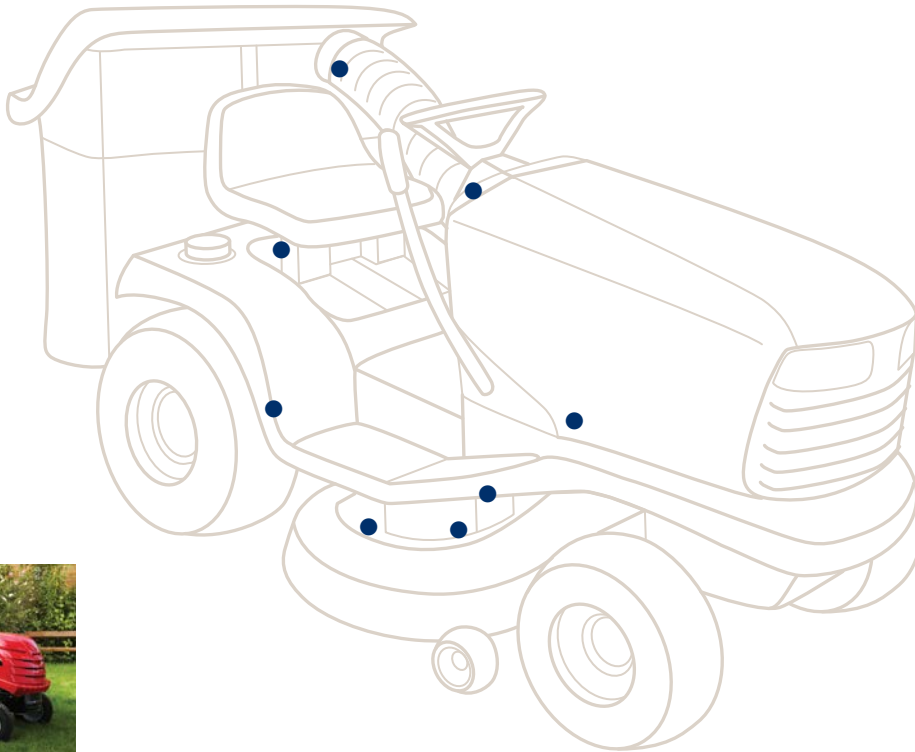


### Bearing Assemblies

Kilian is one of the world's largest producers of precision-machined bearings and value-added assemblies. Extensive application expertise and value-engineering capability allows Kilian to provide unique, cost-effective bearing solutions for outdoor equipment applications including tensioners, decks, steering columns, and hood covers.

**Kilian**

# Riding & ZTR Mowers



## Riding Mowers

Warner Electric offers several clutch/brake solutions designed specifically for riding mower applications. The RMS (Residential MagStop) clutch/brake is utilized for mower decks and other implements controlled by a dashboard switch. EOP, AP, PK, Pulse and WR brakes provide parking brake functionality. Soft start controls and spot magnets from Warner Electric are also utilized.

Thomson Electrak® HD and Throttle, B-Track, H-Track and M-Track actuators are used for mower deck cutting height and mulch control adjustment as well as grass bagging systems. These units provide high-load capability for rugged-duty use and feature excellent corrosion protection. The Electrak Throttle actuator can be utilized in a drive-by-wire setup to power your mower electronically, a superior solution to mechanical linkages, which are prone to wear and tear.

Guardian flywheel couplings are used on hydrostatic drives on commercial mowers, and golf course greens and fairway mowers. Light-duty pulleys, castings and driveshafts from TB Wood's are designed to provide years of reliable performance in mower applications.

Custom bearing assemblies from Kilian are widely used on riding mowers for various applications including belt tensioners.

### Guardian Couplings

- FL Series Flywheel Couplings

### Kilian

- Bearing Assemblies

### TB Wood's

- Pulleys
- Castings
- Drive Shafts

### Warner Electric

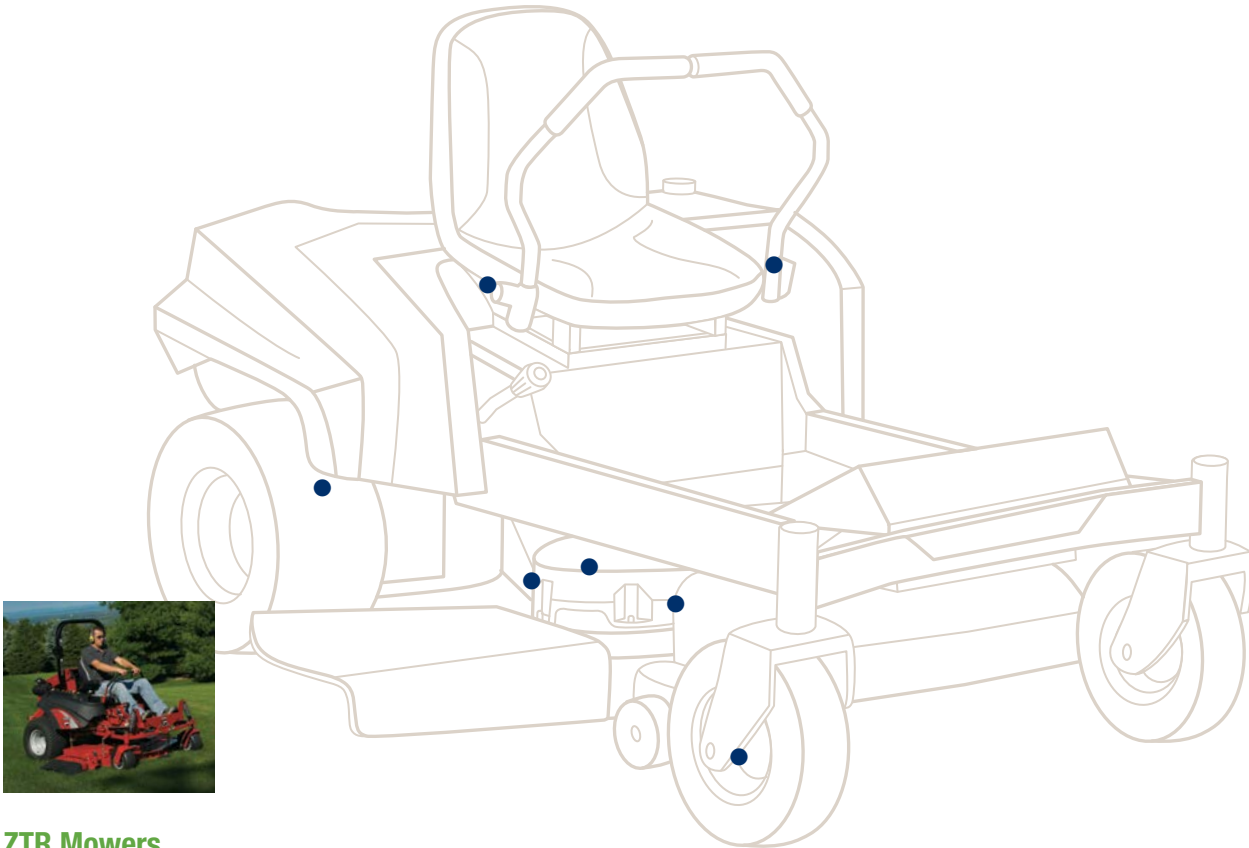
#### Clutch/Brakes

- Residential MagStop Clutch/Brakes
- TG 2000 MagStop Clutch/Brakes
- EOP, AP, PK, Pulse and WR Brakes
- Soft Start Control Modules
- Spot Magnets

### Thomson

#### Electric Linear Actuators

- Electrak HD
- Electrak Throttle
- B-Track
- H-Track
- M-Track



## ZTR Mowers

TG 2000 MagStop Clutch/Brakes incorporate the extended duty features of Warner Electric's Commercial MagStop clutch/brakes into a design specifically for ZTR's and wide area mowers and tractors in this class with large ground maintenance requirements.

EOP, AP, PK, Pulse and WR brakes provide parking brake functionality. Warner Electric spot magnets are utilized on mower cruise controls. Warner's soft start modules can also be found on commercial ZTR mowers.

Thomson Electrak HD and Throttle, B-Track, H-Track and M-Track actuators are used for mower deck cutting height and mulch control adjustment. Actuators are also used to raise the mower deck for servicing. A drive-by-wire system, utilized with the Electrak Throttle actuator, allows for electronic mowing.

TB Wood's provides castings for counter weights, sheaves and pulleys. Custom Kilian bearings are utilized on belt tensioners and front wheel assemblies.

### Kilian

- Bearing Assemblies

### TB Wood's

- Pulleys
- Castings
- Drive Shafts

### Warner Electric

- TG 2000 MagStop Clutch/Brakes
- EOP, AP, PK, Pulse and WR Brakes
- Soft Start Control Modules
- Spot Magnets

### Thomson

#### Electric Linear Actuators

- Electrak HD
- Electrak Throttle
- B-Track
- H-Track
- M-Track

# WALK-BEHIND MOWERS



## Residential Walk-Behind Mowers

Warner Electric's Blade Brake Clutches (BBCs) are designed to provide operator safety through blade control on walk-behind mowers. When the operator presence lever on the mower control handle is released, the BBC brakes the mower blade to a stop within two seconds.

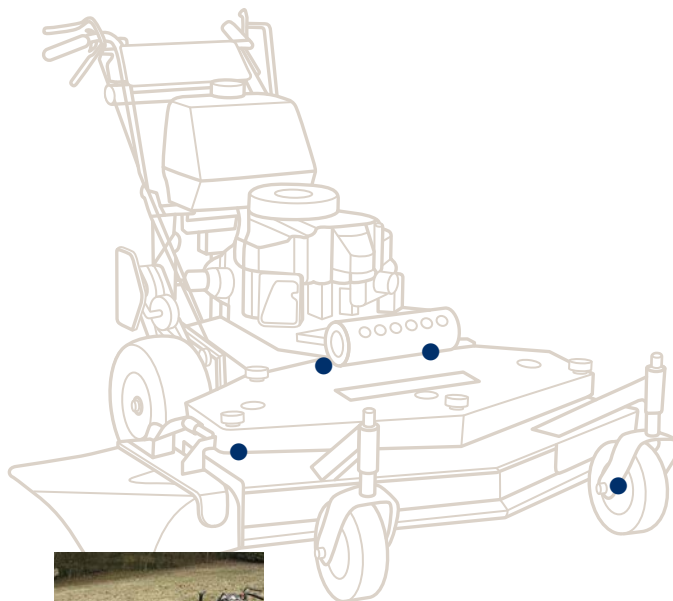
Kilian custom clutch handle bearing assemblies and flanged wheel bearings are widely used on walk-behind mowers.

### Kilian

- Bearing Assemblies

### Warner Electric

- BBC-II Clutch/Brakes



## Commercial Walk-Behind Mowers

TG2000 and Commercial MagStop PTO clutch/brakes from Warner Electric are ideal for use on commercial walk-behind mowers. Castings, sheaves and pulleys from TB Wood's are also utilized. Kilian heavy-duty flanged wheel bearings are utilized on commercial grade mowers.

### Kilian

- Bearing Assemblies

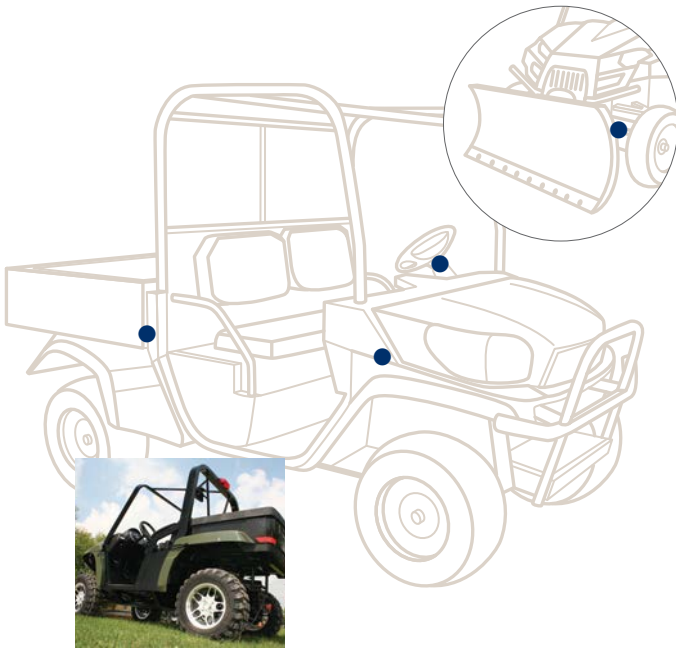
### TB Wood's

- Pulleys
- Castings

### Warner Electric

- TG2000 Clutch/Brakes
- Commercial MagStop Clutch/Brakes





## UTVs

Rugged-duty Thomson B-Track electric actuators with up to 2,800 lbs. (1270kg) load capacity, are often used to raise and lower UTV dump boxes. The units can be combined with a CAN Bus capable controller that allows the actuator control to be integrated into the vehicle's overall system monitoring and provide feedback displayed on an on-board digital screen. Alternatively, you can use the integrated CAN bus controller on the Electrak® HD to simplify your control scheme.

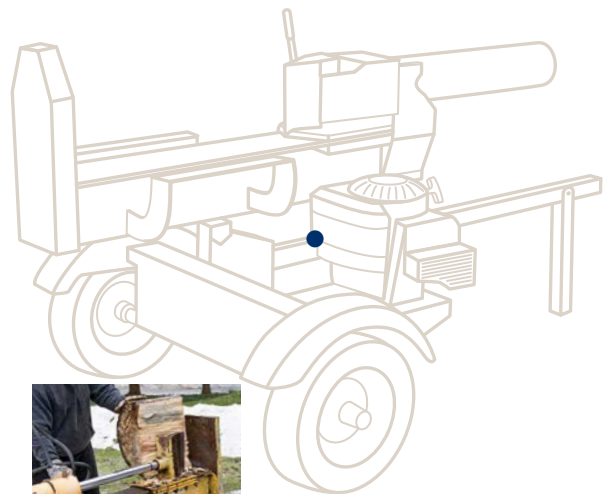
Thomson's patented, electric H-Track actuator with self-contained hydraulic actuation, provides the performance of hydraulics and has the ability to move loads up to 4,800 lbs. The unit's compact design allows it to fit in tight spaces, making it an ideal choice for tough ATV dump box and plow applications.

### Thomson

- Electrak HD Electric Actuators
- B-Track Electric Actuators
- H-Track Electric Actuators
- CAN Bus Controls

### Warner Electric

- EOP, AP, PK, Pulse and WR Brakes



## Log Splitters

TB Wood's L-Jaw couplings are utilized to connect the engine drive shaft to the hydraulic pump on log splitters. The elastomeric spider element protects the engine from damage in case the pump seizes up.

### TB Wood's

- L-Jaw Couplings





Scan to see all  
the brands of  
Regal Rexnord