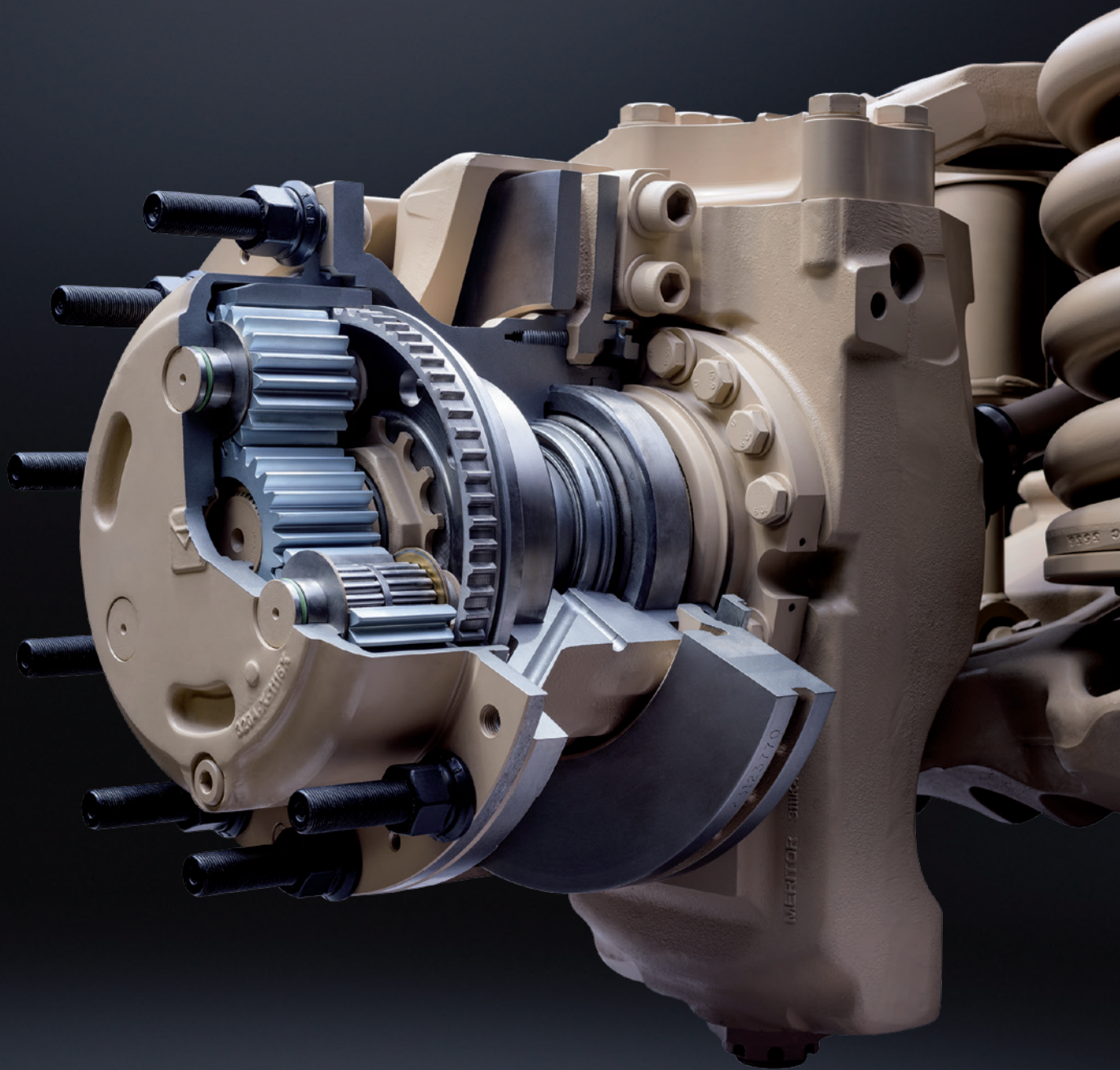


MERITOR® PROTEC™ SCALABLE TACTICAL VEHICLE SOLUTIONS



MERITOR
RUN WITH THE BULL





DESIGNED AND ENGINEERED FOR HIGH PERFORMANCE

As a leading global supplier of drivetrain, mobility and braking solutions for commercial vehicle, industrial and defense applications, Meritor provides proven leadership in designing, engineering and manufacturing high-performance chassis solutions that provide the mobility and safety for tactical-wheeled vehicles across the globe.

Meritor takes great pride in being called upon to deliver advanced technology solutions and we're committed to delivering the global support and the technology required to meet every challenge.

At Meritor, we've been a vital part of military families for generations.

More than a half century ago, Meritor first began supplying drivetrain components to our military fleets. Today, we're one of the world's largest drivetrain producers for defense vehicles. Meritor provides systems for a complete range of lightweight to heavyweight vehicles, armored personnel and advanced-wheeled combat vehicles for the most challenging terrains.

With decades of experience engineering tactical drivetrain components, Meritor's ProTec™ modular solutions for tactical vehicles offer high performance, efficiency and reliability. ProTec Independent Suspension Axle Systems (ISAS®) matched with durable ProTec all-wheel drive beam axles provide the dependability demanded where it counts most: on the battlefield.



THE PROTEC™ SCALABLE TACTICAL SOLUTION

Payload, performance and protection are three essential components in a leading complete chassis solution for the military. The ProTec complete chassis solution delivers all three and includes our integrated Independent Suspension Axle Systems (ISAS®) and proven All-Wheel Drive Beam Axles, built for tactical-wheeled vehicles and armored personnel carriers.

2000, 3000, 4000 and 5000 Series Independent Suspension Axle Systems (ISAS®)

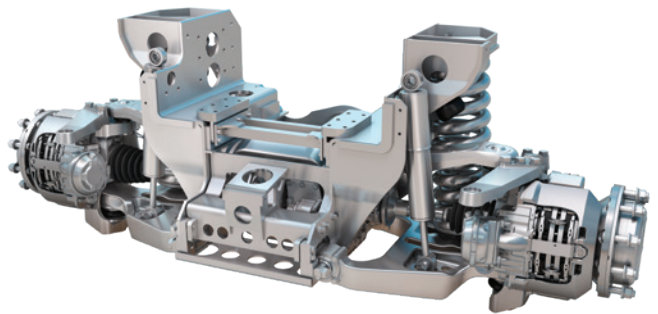
Military and tactical applications demand superior force protection, high mobility and premium ride quality, all in a weight-efficient package. The ProTec Independent Suspension Axle Systems (ISAS®):

2000 Series: GAWR's up to 7,500 lbs / 3.5T

3000 Series: GAWR's up to 14,500 lbs / 6.5T

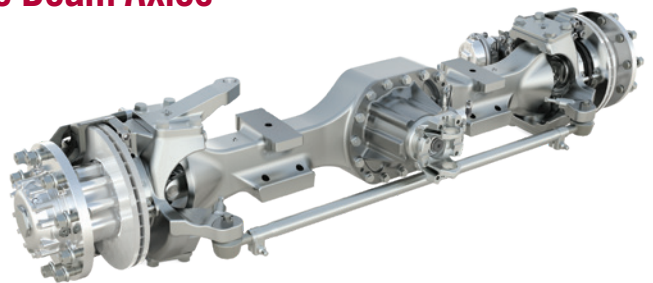
4000 Series: GAWR's up to 23,500 lbs / 10.5T

5000 Series: GAWR's up to 29,000 lbs / 13T



3000, 4000 and 5000 Series All-Wheel Drive Beam Axles

The Meritor ProTec all-wheel drive beam axles for military-specific applications have been engineered to the most demanding military specifications, including tough performance and dependability requirements. ProTec Axles utilize proven technologies and are available in multiple configurations.



Unbeatable Customer Support

Every product and component in the ProTec Series is backed by unsurpassed service and support from Meritor. For more information contact our Defense Sales team directly via email at defense@meritor.com or visit meritor.com today.



PROTEC™ INDEPENDENT SUSPENSION AXLE SYSTEMS (ISAS®)

The ProTec family of Independent Suspension Axle Systems (ISAS®) takes a two-tiered approach to protecting our military and service personnel, while supporting the success of their mission. The weight-efficient, payload-enhancing design increases the capacity of the vehicle to carry increased armor for added protection in combat environments. The strong, yet lightweight differential carrier balances weight savings without compromising durability. The Meritor 2000, 3000, 4000 and 5000 Series ISAS provide scalable solutions for light-, medium- and heavy-duty tactical-wheeled vehicles.

FEATURES AND BENEFITS

- Weight-efficient, payload-enhancing design of the ProTec ISAS allows the vehicle to carry more incremental armor
- Versatile Meritor amboid gearing is engineered to fit any application requirements
- Available in your choice of dual air spring or single coil configuration for application flexibility
- Modular architecture allows users to enhance performance of a broad range of suspension platforms
- Customization for specific applications and OEM packaging flexibility
- Meritor's global aftermarket support system stands behind every Meritor military suspension sold

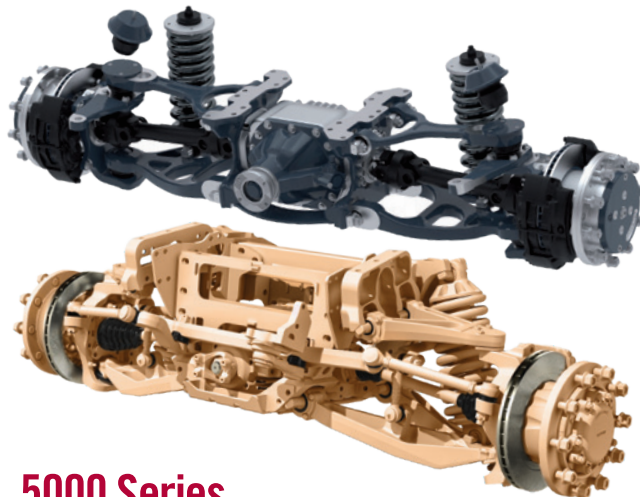


PROTEC™ SERIES ISAS®

2000 Series



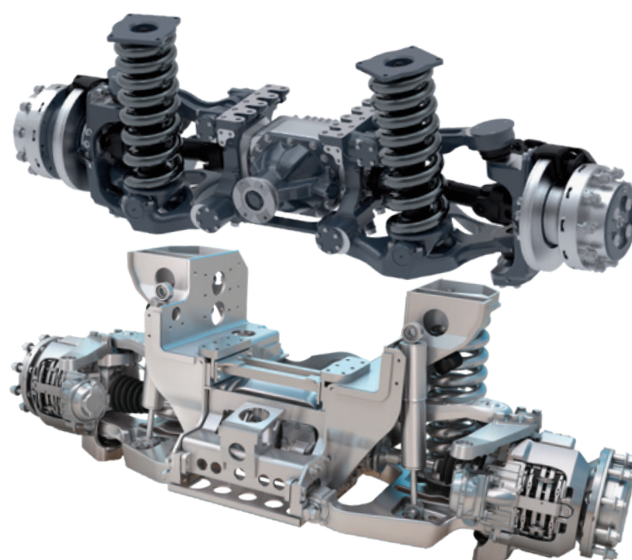
3000 Series



4000 Series



5000 Series



MERITOR ISAS SPECIFICATIONS	2000 Series	3000 Series	4000 Series	5000 Series
Gross Vehicle Weight Rating (GAWR)	Up to 7,500 lbs / 3.5T	Up to 14,000 lbs / 6.5T	Up to 23,500 lbs / 10.5T	Up to 29,000 lbs / 13T
Steering Angle	Up to 35°	Up to 35°	Up to 35°	Up to 38°
Total Wheel Travel Clearance	Up to 11" / 28 cm	Up to 21" / 53 cm	Up to 21" / 53 cm	Up to 18" / 46 cm
Brake Type	Hydraulic Disc	Air Disc or Hydraulic Disc	Air Disc or Hydraulic Disc	Air Disc or Drum
Wheel-End Type	Planetary or Bevel Geared	Planetary or Bevel Geared	Planetary or Bevel Geared	Planetary Gear Hub Reduction
ABS-Ready	✓	✓	✓	✓
Differential Locks	✓	✓	✓	✓
Central Tire Inflation System (CTIS) Ready	✓	✓	✓	✓

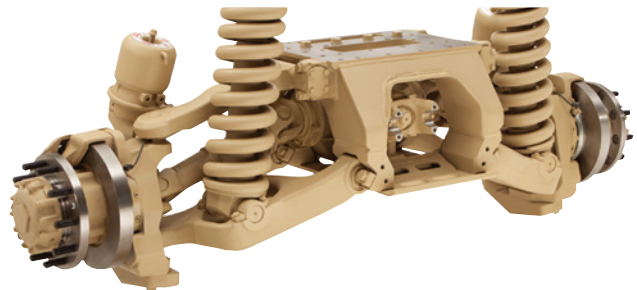
PRECISION CUSTOMIZATION FOR PREMIUM PERFORMANCE

The ProTec™ ISAS® Series is designed and engineered to give you all the additional choices needed to meet your exact vehicle performance objectives. Options such as air springs, coil springs, hydrostruts and more provide you with the versatility you need to succeed in tough environments.



Air Spring Suspensions

- Use in low-profile vehicles that need compact packaging
- Facilitates easy lowering and transport in military aircraft
- Replaces beam axle used in some military service personnel vehicles for enhanced performance
- Ideal for 8x8 vehicles where all four axle positions use dual air springs
- Up to 150 pounds (68 kg) lighter than steel-coil suspensions
- Allows wheel travel up to 20 inches (51 cm)



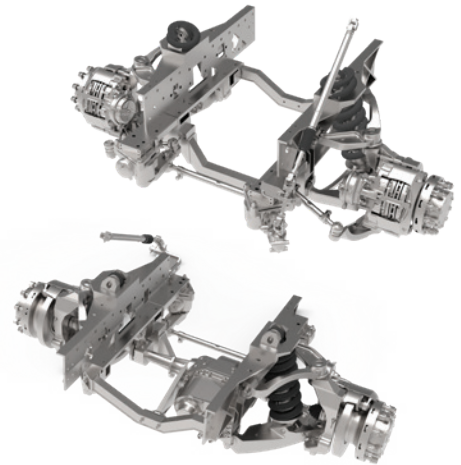
Coil Suspensions

- Combat-tested system reliability and durability in armored personnel
- Offers drum brakes for armored security vehicles or air disc brakes for MRAP vehicles
- Enables pre-programmed settings for exceptional performance in highway, cross-country, mud, sand, snow and transport (kneel) environments
- Symmetrical design allows identical parts to be used on both sides of the suspension for additional savings
- Excellent choice for use in both 4x4 and 6x6 vehicles



INDEPENDENT FRONT SUSPENSION

Meritor's state-of-the-art modular drivetrain system for all-wheel drive (AWD) commercial trucks features the Independent Front Suspension (IFS) module equipped with modern steering geometry and air disc brake technology, and a low-profile shift on-the-fly transfer case. The IFS, available in drive or non-drive options, is a part of Meritor's field-proven and widely acclaimed ProTec™ ISAS® line of independent suspensions. This bolt-on, modular solution does not require modifications to existing frame rails and maintains vehicle ride height.



MERITOR IFS SPECIFICATIONS	Drive Axle	Non-drive Axle
Gross Vehicle Weight Rating (GAWR)	Up to 22,000 lbs / 10T	Up to 22,000 lbs / 10T
Steering angle	Up to 32°	Up to 32°
Total Wheel Travel Clearance	Up to 11.8" / 30 cm	Up to 11.8" / 30 cm
Brake Type	Air Disc	Air Disc
Wheel-End Type	Planetary Gear Hub Reduction	Not Applicable
ABS-Ready	✓	✓

FEATURES AND BENEFITS

- Proven Independent Suspension Axle System technology – The ISAS product line has been fitted on high-mobility vehicles for over 20 years. The Independent Front Suspension system leverages decades of expertise in designing and manufacturing field-proven systems.
- Bolt-on system – The Independent Front Suspension does not require modifications to frame rails
- 5 to 12 inch ride height reduction – Improves vehicle roll stability versus best-in-class beam axle
- Modular solution – Maintains the same ride height of a rear-wheel drive (RWD) truck
- Lower center of gravity – Better vehicle maneuverability and stability for safe and confident handling
- 60 percent reduction in cab and driver-absorbed power – Ride harshness improvements as well as reduction in unwanted steering feedback lead to less physical fatigue for the driver, and higher reliability of the cab
- 2-times the wheel travel – The Independent Front Suspension provides 2-times the wheel travel compared to leaf spring front beam axles, which reduces peak stresses and loads on the vehicle chassis, leading to improved component reliability
- Highly functional transfer case design – Low-profile transfer case provides shift-on-the-fly capabilities from low to high, or high to low speeds for reliable and controllable shifting
- Modern steering geometry – Efficient steering and handling
- Air disc brakes – Superior brake fade resistance and stopping power compared to drum brakes on Class 8 trucks

MERITOR PROTEC™ ALL-WHEEL DRIVE BEAM AXLES

Engineered and built for the extreme demands of the military-duty cycle, Meritor axles have been the axle of choice for the United States Army's fleet of 2.5- and 5-ton vehicles for more than 50 years. Our ProTec all-wheel drive beam axles provide the range and the performance demanded by military and service personnel applications.

MERITOR BEAM AXLE SPECIFICATIONS	3000 Series	4000 Series	5000 Series
Gross Axle Weight Rating (GAWR)	Up to 14,700 lbs / 6.5T Per Axle	Up to 23,500 lbs / 10.5T Per Axle	Up to 30,000 lbs / 13.5T Per Axle
Axle Ratio	4.88, 6.14, 6.50	4.88:1 - 7.80:1	3.46:1 - 24.8:1
Steering Angle	40°	35° to 38°	NA
Brake Type	Hydraulic Disc	Air Disc, Hydraulic Disc or Drum	Air Disc or Drum
Wheel-End Type	2:1 Bevel Geared	2:1 Bevel Geared	3.46:1 Planetary Geared
ABS-Ready	✓	✓	✓
Differential Locks	✓	✓	✓
Central Tire Inflation System (CTIS) Ready	✓	✓	✓

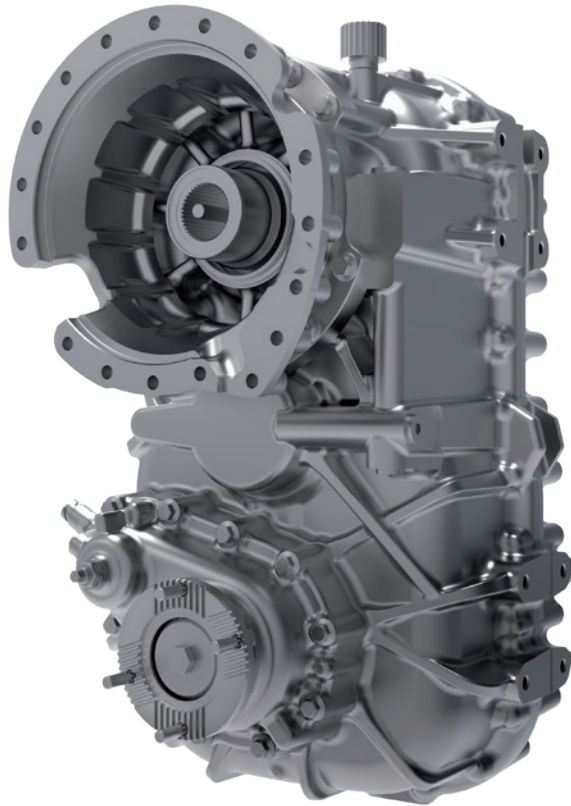
FEATURES AND BENEFITS

- Single, tandem or tridem configurations available
- Accommodates multiple suspension configurations for application flexibility
- Non-vented drum brake protects the braking system while operating in adverse conditions
- Backed by military-duty cycle testing for proven performance
- Meritor's unparalleled global aftermarket service and support



MERITOR TRANSFER CASES

Specifying the right transfer case to match the exact needs of each military or service personnel vehicle is essential to vehicle performance and durability. That's why Meritor's expanded line of transfer cases offers a wide range of options to fit the most demanding tactical-wheeled vehicle applications.



MTC 4000 Series

Featuring enhanced powertrain packaging plus precision ground gearing for durability and torque capability in the most demanding situations, the MTC 4000 Series includes a wide range of options for multiple tactical vehicles. With models featuring low front driveline angles, front axle engage-on-the-fly capability for ease of vehicle operation and compatibility with automatic engagement systems, the 4000 models perform in the toughest conditions.

MTC 3000 Series

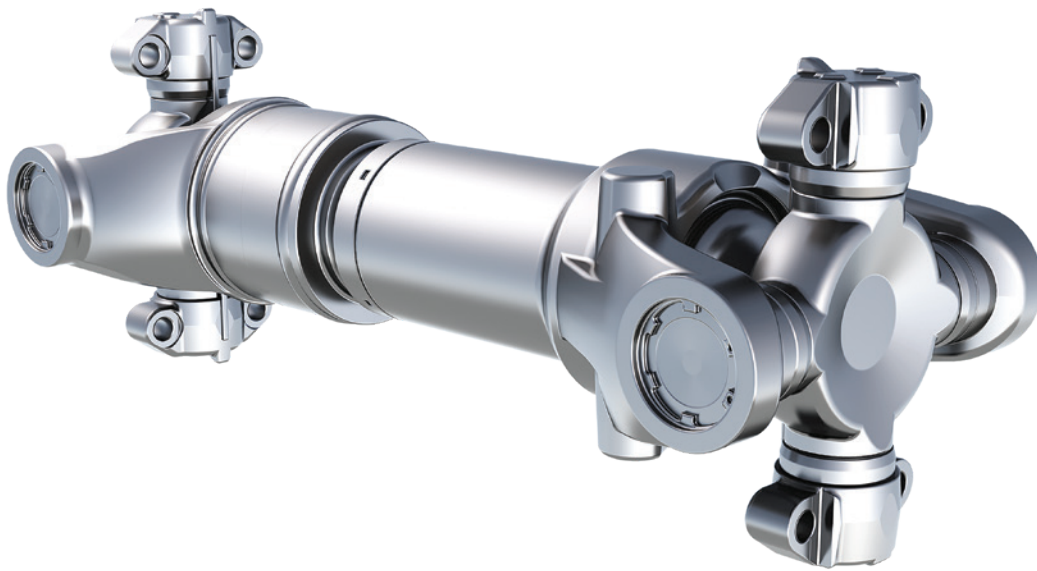
Meritor's MTC 3000 Series features a wide array of 3-shaft, single and 2-speed transfer cases with exceptional design features to fit virtually any medium- or heavy-duty tactical application. Including several models designed for part-time all-wheel drive systems, the MTC 3000 Series offers multiple ratios and optional Power Take-Off (PTO) features.

MTC 2000 Series

With optimum mobility, excellent durability and a versatile fit for tactical-wheeled vehicles, the MTC 2000 Series transfer case fits a wide variety of tactical and military applications.

MERITOR DRIVELINES

Meritor has over 100 years of driveline engineering and manufacturing experience. We offer a complete line of industry-leading drivelines and individual components, including U-joints, center bearings, yokes and more to meet the needs of tactical-wheeled fleets. Included are Meritor Permalube™ RPL Series Drivelines, which are permanently lubricated for life to reduce downtime for greasing and maintenance, plus our Meritor XTended Lube MXL™ Drivelines that feature premium sealing technology, which extends lubrication intervals.



FEATURES AND BENEFITS

RPL Driveline

- First to North American commercial vehicle market with our permalube technology, making our RPL Series driveline permanently lubricated and sealed for life
- Nylon thrust washers eliminate metal-to-metal contact to prevent wear and extend U-joint life
- Triple lip seals provide ultimate protection against contaminants for extended U-joint life
- Four-bolt design provides easy installation
- RPL35 Series high-torque rated models available for heavy service

MXL Driveline

- High-strength tubing provides consistent straightness for exceptional performance
- Nitrile seal design protects driveline from road contaminants
- Robust bearing retention system provides superior clamping force and eliminates spinning cups
- Lubrication intervals up to 100,000 miles reduce operating and maintenance costs
- Polyglide™ nylon coating standard for reduced friction and axial loads



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