

# MERITOR® ALLFIT CLUTCHES



**MERITOR**



## **IDEAS DRIVING RESULTS**

**COMPREHENSIVE ALL-MAKES LINE-UP.  
UNCOMPROMISING QUALITY.**

**ALLFIT**





## MERITOR® ALLFIT CLUTCHES. ALL-MAKES FOR ALL YOUR APPLICATION NEEDS.

As a leading supplier of drivetrain systems and components in North America, Meritor is dedicated to bringing cost-effective clutch solutions to the commercial vehicle aftermarket.

Our line of Meritor AllFit clutches offers solutions for a wide variety of applications. Every AllFit clutch features high-performance friction material, exclusive to Meritor, for superior functionality and durability to keep you on the road longer. Choose from two easy pedal effort models:

- Manual-Adjust
- Self-Adjusting

### Unmatched Quality.

With AllFit-brand clutches, quality is a given. Meritor performs a rigorous inspection of its partner-supplier using Parts and Process Audit (PAPA) and Production Part Acceptance Process (PPAP). And all production and final assembly is completed in an ISO-9001 certified facility in the United States. The result: a line of all-makes clutches that live up to the Meritor brand reputation for high quality, high performance products.



Made in U.S.A.

### Brand New Clutches From a Brand You Can Trust.

Meritor AllFit all-makes clutches are brand-new units – so there is never a core charge assessed and no core handling costs.

All critical interior components are new – not remanufactured – and meet design and quality specifications to help ensure long service life and outstanding performance.

# SELF-ADJUSTING CLUTCHES

Meritor AllFit self-adjusting clutches are designed to help extend service life by eliminating the downtime typically associated with regular clutch adjustments. The proven self-adjust technology provides smooth efficient operation for optimum performance.

It is recommended that the self-adjusting clutches be installed on vehicles equipped with a hydraulic linkage system.

- 15.5" clutch assemblies are available with 7- and 9-spring disc design with torque ratings from 1700-2050 lb-ft

## How It Works.

During clutch disengagement, if release bearing travel is 1/2" or less, no adjustment is necessary and the built-in lost motion window ensures an optimal release bearing position.

When the clutch wears, release bearing travel increases beyond lost motion window and advances the worm gear. The worm gear then turns the adjusting ring to compensate for wear, repositioning the release bearing.

On clutch engagement, the one-way ratchet advances and restores the ideal lost motion window.

## Features and Benefits.

- Self-adjusting clutches follow the same installation procedure as manual-adjust clutches
- Wider release bearing lugs and additional grease fittings to accommodate various linkage systems
- Patent-Pending Actively Expanding Seal (A.E.S.) is housed in the adjusting ring to eliminate contamination-related failures caused by road grime, dust and other contaminants
- Meritor-exclusive, high-performance friction material for added durability
- Developed and designed for efficiency and ease of maintenance
- Simple reset procedure utilizing manual adjuster

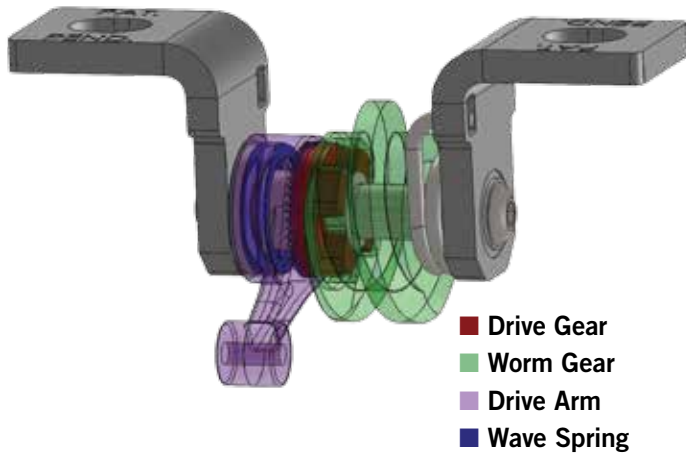
## Will NOT Over-Adjust

- The AllFit self-adjusting clutch will not over-adjust and is not susceptible to outside forces (e.g. when backing into dock or when hitting potholes during disengagement)

## Meritor Allfit Clutches Feature a Robust Adjuster Design

- Positively engaged ratchet system
- 4-lug drive gear has the capability to deliver over 50 lb-ft of torque to the adjusting ring
- Self-locking worm gear ensures positive adjustment





### Self-Contained Design Keeps Contaminants Out For Smooth Operation.

Nothing slows down proper functionality faster than road contaminants and debris. Meritor AllFit self-adjusting clutches feature advanced contamination-prevention technology to help keep them operating smoothly.

- Drive gear is contained within the worm gear to keep contaminants out of the drive lugs
- Wave spring is contained within drive arm to keep out contaminants so that the spring can flex freely during ratchet function
- Self-contained components in adjuster maintain optimal adjusting function
- Patent-Pending Actively Expanding Seal (A.E.S.) creates an industry-first anti-contamination enclosure
- Specialized lubrication ensures optimal adjustments throughout the life of the clutch



### Industry-Leading Parts and Labor Warranty.

Meritor AllFit clutches offer real peace of mind with one of the industry's best warranties – 12-month coverage on parts and up to \$800 in labor.\*

### Unmatched service and support.

For the results you want, accept only the best customer support available.

Our highly trained Customer Care team is equipped with the product specification, warranty and service information you need. Call them today at 888.725.9355 or 800.387.3889 in Canada. Or visit [MeritorPartsOnline.com](http://MeritorPartsOnline.com) to access our industry-leading online catalog, ordering and tracking system.

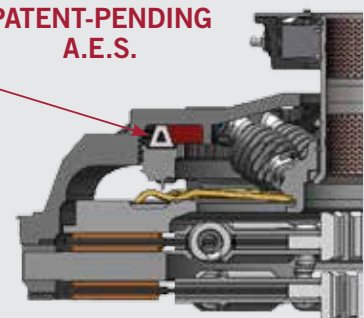
\*See Meritor publication PB-1624 for complete details.



Patent-Pending Actively Expanding Seal (A.E.S.) is housed in the adjusting ring to eliminate contamination-related failures caused by road grime, dust and other contaminants.

Specialized thread lube is used to reduce friction in adjusting ring/cover threads and to prevent rust and other corrosion issues resulting in premature failure.

**PATENT-PENDING  
A.E.S.**





# MANUAL CLUTCHES

Meritor AllFit manual-adjust clutches deliver more comfortable operation for the driver and a better bottom line for your fleet.

We offer a broad range of manual clutch options to accommodate a spectrum of applications, including heavy-duty and medium-duty vehicles, off-highway, construction and off-road.

## 14" and 15.5" Easy Pedal Effort Clutches.

- 14" clutch assemblies for medium-duty applications are available with torque ratings from 620 to 1400 lb-ft.
- 15.5" clutch assemblies are available with 7-, 8-, 9- and 10-spring disc designs with torque ratings from 1250 to 2250 lb-ft.
- 15.5" easy pedal effort clutches employ an easy adjuster for single-motion adjustment

## Features and Benefits.

- All Meritor AllFit easy pedal clutches utilize disc springs that are treated using a unique cryogenic process
- Every AllFit clutch uses a sealed throwout bearing, providing increased lubrication intervals and longer clutch life
- Meritor-exclusive, high-performance friction material for superior strength
- For better process control and inventory analysis, all Meritor AllFit clutches are serialized and shipped as matched units
- Many 9-spring Mack applications are covered by our easy pedal effort clutches

## High-Torque Easy Pedal Clutch.

The AllFit high-torque, high plate-load clutch is designed for heavy-duty truck and severe service applications and is ideal for off-road and oversized loads. The high-torque model helps reduce severe vibration while extending drivetrain component life for lower maintenance costs and less downtime.

- 15.5" clutch assembly with 7-spring disc design with 2250 lb-ft torque rating

## Features and Benefits.

- Disc designed for superior vibration control (dampening) provides reduced drivetrain torsional rate in the most demanding applications
- A heavier duty back plate keeps springs from wearing faster which cuts down on maintenance time and improves longevity
- Patented lever provides higher plate load without higher pedal pressure
- EZ Adjuster – ratcheting adjuster with 5/8" bolt head
- Meritor-exclusive, high-performance friction material for superior robustness
- Coarse-threaded cover and adjusting ring – requires less adjustment
- Strap driven pressure plate reduces noise and delivers smoother release



## **IDEAS DRIVING RESULTS**

As a world leader in providing aftermarket solutions for the global commercial vehicle and industrial markets, Meritor is committed to providing our customers with innovative aftermarket ideas that deliver the results you need to get the job done faster, better and more efficiently.

Vehicle models, brands and names depicted herein are the property of their respective owners and are not in any way associated with Meritor, Inc., or its affiliates.



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