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Meritor® Driveline Components

Meritor U-Joints and Self-Aligning Center Bearings

MeritorPartsXpress.com is a 24-hour aftermarket service tool that helps customers find the parts and information they need to keep trucks on the road. The following links assist in locating the right product from our full product offering.

MERITORPARTSXPRESS.COM/DRIVELINE (https://www.meritorpartsxpress.com/webapp/wcs/stores/servlet/en/meritor-na/product-search-63501-1/driveline-63787-1)

Product Highlights

High-torque-rated models available for demanding applications, including heavy service and downspeeding

Four-bolt design for easy installation and service

Design features for extended u-joint life:

- Triple lip seals protect against contaminants
- Nylon thrust washers eliminate metal-to-metal contact, preventing wear

Environmentally "green", since the need to grease the driveline is completely eliminated

Premium support for Permalube solutions

Top Movers - Meritor U-Joints

As a leader in driveline technology, Meritor offers an extensive line of replacement u-joints for light medium- and heavy-duty applications. The Meritor RPL was the first permanently lubricated driveline in North America while our MXL is the only 100,000-mile lube interval replacement product for 10-Series drivelines. The full line of Meritor Genuine, Meritor, and Mach u-joints are qualified to the highest industry standards.

Meritor® Permalube RPL Series U-Joints

Series	U-Joint Rating	Tube Size	Applicator	U-Joint
RPL35SD Severe Duty	35,000 N.m	5.204" x .236" wall	Main Driveline	CP35RPLS
RPL35	35,000 N.m	4.69" x .230" wall	Main Driveline	CP35RPLS
RPL25SD Severe Duty	25,000 N.m	4.69" x .230" wall	Main Driveline	CP25RPLS1
RPL25	25,000 N.m	4.59" x .180" wall	Inter-axle Driveline	CP25RPLS1
RPL20	20,000 N.m	4.095" x .180" wall	Both	CP20RPLS

Top Movers - Meritor® XTended Lube MXL U-joints

Driveline Series	Meritor Genuine	Bearing Diameter	Yoke Dim Across Ears	Yoke Dimension B/W Nibbs
1810 Half Round	M676X	1.937"	7.55"	7.63"
1810 Full Round	M281X	1.937"	7.55"	
1760 Half Round	M677X	1.937"	7.00"	7.09"
1760 Full Round	M407X	1.937"	7.00"	
1710 Half Round	M675X	1.937"	6.09"	6.19"
1710 Full Round	M280X	1.937"	6.09"	
1610 Half Round	M674X	1.875"	5.31"	5.31"
1610 Full Round	M279X	1.875"	5.31"	

Product Highlights

MXL U-joints are interchangeable with industry standard 10 Series products

MXL U-joints have triple-lip seals to keep lubricants in and contaminants out to ensure longer life

MXL is a higher quality driveline due to its extended lubrication intervals and advanced technology

MXL combines the robust features of Meritor RPL and RN technologies

General Product Information

Meritor is the driveline OE market share leader with more than 50% of the class 8 production share, and growing

Product Catalog and Literature

Literature on Demand - Offers easy access to Meritor's latest product, technical and training information. (https://www.meritor.com/lod)

Warranty Information

Driveline

Meritor® Aftermarket Driveline products include a standard one-year warranty. Meritor is also pleased to offer industry-leading extended warranties on a selection of its genuine Drivleine products in the aftermarket.

Driveline Assemblies & Components		
Product	Years	Mileage
MXL	2	Unlimited
RPL	2	Unlimited

Meritor Genuine Self-Aligning Center Bearings

Meritor® Center Bearings

Meritor is the OE driveline and driveline components leader. Meritor offers an extensive line of Meritor Genuine, Meritor, and Mach aftermarket replacement center bearings for heavy-, medium- and light-duty applications. Our complete center bearing portfolio allows you to choose the product that is the best match for your operation.

Driveline Series	Cushion	Bearing	Height	Mounting Holes	Competitive Part	Meritor Part

	Type	Diameter		(Center To Center)	Number	Number
176N, 17N (Heavy Duty), 18N, 85WB, 92N	Slotted	2.36"	3.38"	8.62"	210661-1X	CB210661-1XSA
17N, 58WB, 72N, 82N, 85WB	Slotted	1.968"	2.81"	7.62"	210121-1X	CB210121-1XSA
176N, 17N (Heavy Duty), 18N, 85WB, 92N	Solid	2.36"	3.38"	8.62"	210875-1X	CB210875-1XSA
17N, 58WB, 72N, 82N, 85WB	Solid	1.968"	2.81"	7.62"	310012-1X	CB310012-1XSA

Product Highlights

Rubber cushion pivots in the bracket, allowing +/-5

Reduced risk of premature bearing wear due to misalignment

Provides a common mounting platform on the crossmember or mounting bracket. No shimming or bracket changes are necessary to achieve desired alignment

Genuine OE replacement product

Unique design protects the bearing against contamination without the use of external deflectors

Backward compatibility with previous Meritor or current competitive designs

Meritor self-aligning center bearings should not be replaced with traditional, non-self-aligning center bearings due to possible angularity issues.

General Product Information

- Improved balance specification reduces noise and vibration.
- Reduced risk of premature bearing wear due to misalignment.
- Common mounting platform on the cross-member or mounting bracket. No shimming or bracket changes are necessary to achieve desired alignment.
- Unique design protects the bearings from contamination without the use of external deflectors.
- Backward compatible with previous Meritor or current competitive designs.
- Slotted mounting holes provide more compliance for assembly by allowing for truck build tolerances.

- Patented Meritor design allows for three directions of bracket misalignment. For a comparison of the Meritor self-aligning center bearing vs. the competition, see the diagram below.
- +/- 5° of vertical angularity, +/- 4° degrees of horizontal angularity and +/- 1/4” fore and aft allowed, thanks to rubber cushion pivots in the bracket.

Warranty Information

Driveline

Meritor® Aftermarket Driveline products include a standard one-year warranty. Meritor is also pleased to offer industry-leading extended warranties on a selection of its genuine Driveline products in the aftermarket.

Product	**Years**	**Mileage**
MXL	2	Unlimited
RPL	2	Unlimited
All Other	1	Unlimited

Standard Meritor Aftermarket Warranty.

We warrant all new parts for one year from date of shipment to the buyer against defective material or workmanship (but not against damage caused by accident, abuse or improper installation, maintenance or repair) when such parts are used on vehicles the specifications of which have been approved by our Engineering Department.

As the exclusive remedy under this warranty, we will, at our option, repair or replace such parts free of charge, or take back the nonconforming parts and refund the monies paid by buyer for such parts, if found on examination by us to be nonconforming and if any necessary return charges are prepaid.

If it is necessary to return any parts under this warranty, buyer agrees not to make any deduction on account thereof from remittances on current accounts while claims are in the process of disposition. Any expense incurred without our consent for repairs or replacement will not be allowed.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

Only Meritor-branded products, including genuine Meritor and its affiliated brands, are covered by this aftermarket parts warranty.

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