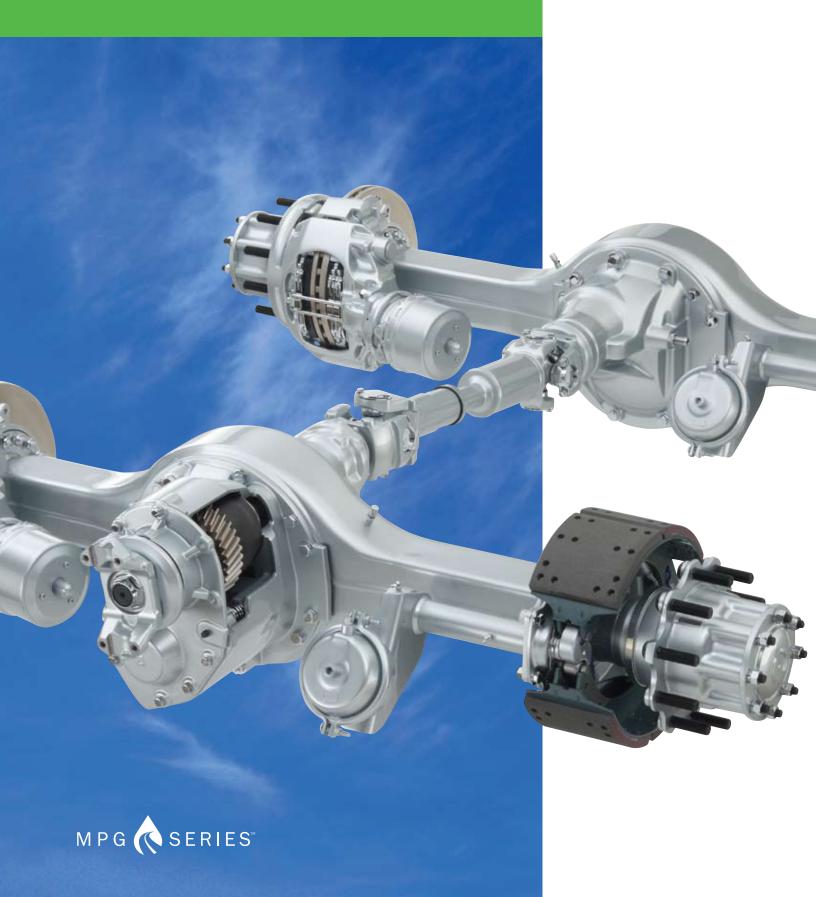
The Meritor[®] 14X[™] Tandem Drive Axle.





Meritor $14X^{\text{m}}$

The Next Evolution.



Raise Your Xpectations!

The next evolution of one of trucking's most successful axles is here! The Meritor 14X Tandem Drive Axle delivers every benefit of its predecessor, the legendary Meritor RT-40-145 – and more. Including a more robust, 20% larger Inter-Axle Differential (IAD) to handle today's higher-torque engines. It features as standard equipment the smooth, efficient performance of our premium Meritor Amboid[™] design. It also provides the industry's fastest and most complete range of axle ratios – from 2.47 to 7.17. And it is the lightest-weight axle in its class.

Which all adds up to unprecedented axle performance.

The Meritor 14X is a key part of our Meritor MPG SERIES[™] components – all specifically designed and engineered to help you drive more productivity, maximize payload gains and get more done using less fuel.

Product Features:

- More robust Inter-Axle Differential (IAD)
 - 20% larger than the competition, with fewer parts
 - Ability to handle up to 2050 lb. ft. of torque in certain applications
 - New IAD needle bearings system for reduced heat and wear, which delivers increased reliability



- Premium Amboid design now standard
 - Improved driveline angles reduce vibration while increasing ride quality and overall component life at no additional charge
 - Amboid gearing on the rear drive axle allows parallel positioning between forward and rear drive axles
- Most complete range of ratios in the industry
 - New 2.47 ratio is the fastest axle ratio in the industry and the most efficient solution for vehicles with direct drive transmissions
 - 2.47-7.17 is the widest range to match your application and specific engine manufacturer's recommendations
 - 2.47-4.11 Amboid pinion position

- Offers bearing life equal to dual-tire-configured tandem axles

 Allows ability to convert between wide-based single tires and duals within legal axle spread dimensions

DualTrac[™] housing

Offered in 9.5-mm
and 11.0-mm
housing wall
thickness options



Courtesy of Bridgestone Bandag Tire Solutions

- Industry-leading axle breather
 - Designed for today's extended-drain synthetic lubes

Additional Features And Benefits:

Optimizes the use of wide-based tires with optional

 Helps prevent water and other contaminants from entering the axle while keeping lube in place



2.64-7.17 Hypoid pinion position

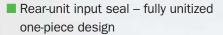
Meritor[®] 14X[™]

- Larger main differential bearings for up to 30% more capacity
- Smooth internal surfaces of the carrier castings and elimination of main differential case ribs minimize lubricant churning loss
- Low spiral-angle-design gearing helps ensure increased efficiency and improved bearing life
- One-piece forward and rear carrier castings reduce the number of joints and potential leak paths

- 20% larger Inter-Axle Differential (IAD) for increased capacity, with fewer parts
- Lubrication reservoir keeps lubricant in the input shaft bearing at all times for increased lubrication flow, which reduces wear and yields greater reliability; no need to wait for splash to deliver lubricant
- New needle bearings system in the Inter-Axle Differential helical gear reduces heat and wear and provides increased reliability

- Proven ring and pinion gear technology design
- Above centerline (Amboid[™]) rear carrier reduces universal joint operating angles for increased drivetrain life
- Forward/rear pinions utilize overhung design for improved capability for retardation loads





- Forward-unit input/output seals efficient sleeve design
- Carrier castings have smooth interior surfaces for improved lubrication flow
- Multiple internal magnets for increased debris collection and smooth running
- Axle breather helps prevent water and other contaminants from entering the axle while keeping lube in place

Meritor $14X^{\text{m}}$





Meritor 14X Efficiencies Add Up Even Faster With Other MPG SERIES Components.

The 14X is a flagship member of the MPG SERIES. Each of the MPG SERIES components is engineered to deliver superior operating efficiency with less downtime to equip you with a productivity gain in today's workplace. But the more MPG SERIES components you add, the more bottom-line results you will see.

Working collectively, MPG SERIES components really add up to provide superior operating efficiency for your fleet. And your business. And with components that reduce maintenance while adding durability, your life cycle costs are primed for improvement.

The benefits of the 14X add up quickly. The best way to see them all is to visit mpgseries.com.

14X Axle Specifications

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Ratings Pounds (kg)	Axle Model	GCW H Pound Max. 3% Grade (Turnpike)		Standard Ratios*	Ring Gear Size (Pitch Diameter) Inches (mm)	Axle Shaft Spline Size Inches (mm)	Body Diameter Inches (mm)	Housing Box Size Inches (mm)	Wall Thickness at Spring Seat Inches (mm)	Wheel-End Series
34,000 (15,436)	MT-34-14X	80,000 (36,320)	80,000 (36,320)	2.47, 2.64, 3.08, 3.25, 3.36, 3.55, 3.70, 3.90, 4.11 Optional Ratios Available	15.31 (388.9)	2.10 (53.3) 41 Teeth	1.88/2.00 (47.8/50.8)	5.25 x 4.62 (134 x 117)	0.37 (9.5) Std/DualTrac™ 0.43 (11.0) Std/DualTrac 0.56 (14.3) Wide Track	R
40,000 (18,160)	MT-40-14X	145,000 (65,830)	125,000 (56,750)	2.47, 2.64, 3.08, 3.25, 3.36, 3.55, 3.70, 3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17					0.37 (9.5) Std/DualTrac 0.43 (11.0) Std/DualTrac 0.50 (12.7) Standard Track 0.56 (14.3) Wide Track	
44,000 (19,976)	MT-44-14X	Not Rated	68,000 (30,872) GVWR Only	3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86 Available In Hypoid Ratios Only			2.00 (50.8)		0.50 (12.7) Standard Track 0.56 (14.3) Wide Track	

*Ratios: 2.47-4.11 - Amboid™; 2.64-7.17 - Hypoid

Moving You Forward. Behind You All The Way.

ArvinMeritor understands that your business must have quality parts and service in order to operate successfully. And nobody does more to provide genuine OE-quality aftermarket parts availability, with complete aftermarket service and full customer support. All backed by the industry's most knowledgeable, committed reps, dedicated customer service and technical support, complete online catalogs, expert training programs, and comprehensive product warranty support.



Want Next-Generation Fleet Efficiency? Let's Talk.

The forward-thinking Meritor 14X Tandem Drive Axle and

the MPG SERIES reflect ArvinMeritor's position as a worldwide technology leader, which continually meets evolving customer needs.

If your fleet is looking for optimized performance and value, with significantly lower life cycle costs, the Meritor 14X is the axle you need to spec.

For more information, talk to your local dealer or see mpgseries.com today.





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