

MERITOR® MT-14X™ TANDEM DRIVE AXLE



Lighter, Stronger and More Efficient

To keep your business moving forward, Meritor is focused on designing, manufacturing and delivering efficient solutions. The Meritor MT-14X axle features advanced axle innovation and technology that improves fuel economy, increases durability and offers the most complete range of axle ratios – from 2.28 to 7.17.

Performance advantages:

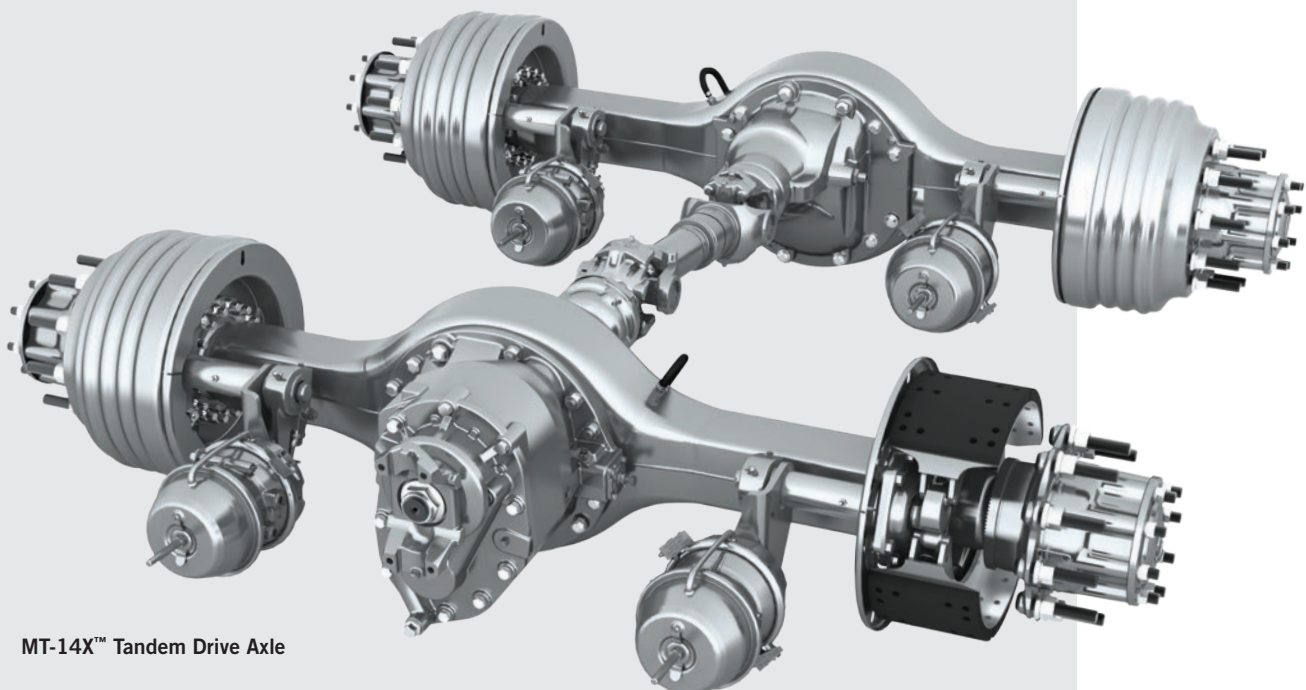
- Versatile for multiple applications including linehaul, general service and heavy service
- Robust Inter-Axle Differential (IAD) design with larger bearings and input shaft to handle high-torque applications such as downspeed drivetrains
- Amboid design for improved life and decreased vibration
- Optional pump for increased constant lubrication of IAD components in both forward and reverse for vocational applications

 **HIGH
TORQUE
CAPABLE**

**IMPROVED DRIVELINE
ANGLE DESIGN**



 **WIDEST RANGE
GEAR RATIO
2.28-7.17**



MT-14X™ Tandem Drive Axle



Meritor MT-14X Tandem Drive Axle

As Meritor's flagship axle, the 14X is the most widely adopted axle in the North American commercial vehicle industry. More Class 8 tractors use MT-14X axles than all other competitors combined.

Features

■ Robust Input Shaft Components

- Ability to handle up to 2,050 lb.-ft. of torque in certain applications
- IAD needle bearing system for reduced heat and wear, which delivers increased reliability
- Lubrication reservoir keeps lubricant in the forward input bearing shaft at all times

■ Premium Amboid™ axle design

- Improved driveline angles reduce vibration while increasing ride quality and overall component life at no additional charge

■ Performance-boosting Options

- DCDL – Can be activated to redirect torque to be distributed equally to both wheels of the axle in loss of traction situations
- Pump – Provides constant lubrication to the critical IAD components in both forward and reverse
- Breather – Designed to prevent water and contaminants from entering the axle while keeping lube in place
- DualTrac™ Intermediate Housing – Enables the use of wide-based tires, with bearing life equal to dual-tire-configured tandem axles

Backed by DriveForce™

All Meritor products are backed by the industry's largest and best-equipped field support team. DriveForce supports Meritor and Meritor WABCO products cradle to grave. It serves the North American market with a combination of sales, service and aftermarket representatives. For more information or to find your DriveForce representative, visit meritor.com/driveforce.

Axle Model		MT-34-14X	MT-40-14X	MT-44-14X
Rating Pounds (Kg)		34,000 (15,436)	40,000 (18,160)	44,000 (19,976)
GCW Highway pounds (kg)	Max. 3% Grade (Turnpike)	80,000 (36,320)	145,000 (65,830)	145,000 (65,830)
	Max. 8% Grade (Paved)	80,000 (36,320)	125,000 (56,750)	110,000 (49,895) GVWR Only
Standard Ratios*		2.28, 2.47, 2.64, 2.79, 2.85, 3.08, 3.25, 3.36, 3.42, 3.55, 3.70, 3.90, 4.11 Optional Ratios Available	2.28, 2.47, 2.64, 2.79, 2.85, 3.08, 3.25, 3.36, 3.42, 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	3.70, 3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86 Available in Hypoid Ratios Only
Ring Gear Size (Pitch Diameter) inches (mm)		15.31 (388.91)	15.31 (388.91)	15.31 (388.91)
Axle Shaft Spline Size inches (mm)		2.10 (53.3) 41 Teeth	2.10 (53.3) 41 Teeth	2.10 (53.3) 41 Teeth
Axle Shaft Body Diameter inches (mm)		1.88 (47.8) / 2.00 (50.8)	1.88 (47.8) / 2.00 (50.8)	2.00 (50.8)
Housing Box Size inches (mm)		5.25 x 4.62 (134 x 117)	5.25 x 4.62 (134 x 117)	5.25 x 4.62 (134 x 117)
Wall Thickness at Spring Seat inches (mm)		0.37 (9.5) Std/DualTrac™ 0.43 (11.0) Std/DualTrac 0.56 (14.3) Wide Track	0.37 (9.5) Std/DualTrac 0.43 (11.0) Std/DualTrac 0.50 (12.7) Standard Track 0.56 (14.3) Wide Track	0.50 (12.7) Standard Track 0.56 (14.3) Wide Track
Wheel-End Series		R	R	R

* Ratios: 2.28-4.11 - Amboid; 2.64-7.17 - Hypoid



Meritor Heavy Vehicle Systems, LLC
2135 West Maple Road
Troy, Michigan 48084 USA

Call 1-866-668-7221
or visit meritor.com.

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