

READY FOR ANYTHING

MT-14X™ TANDEM DRIVE AXLE

To keep your business moving forward, Cummins-Meritor is focused on designing, manufacturing and delivering solutions that are miles ahead. The MT-14X tandem drive axle is another example of advanced axle innovation and technology.

PERFORMANCE ADVANTAGES:

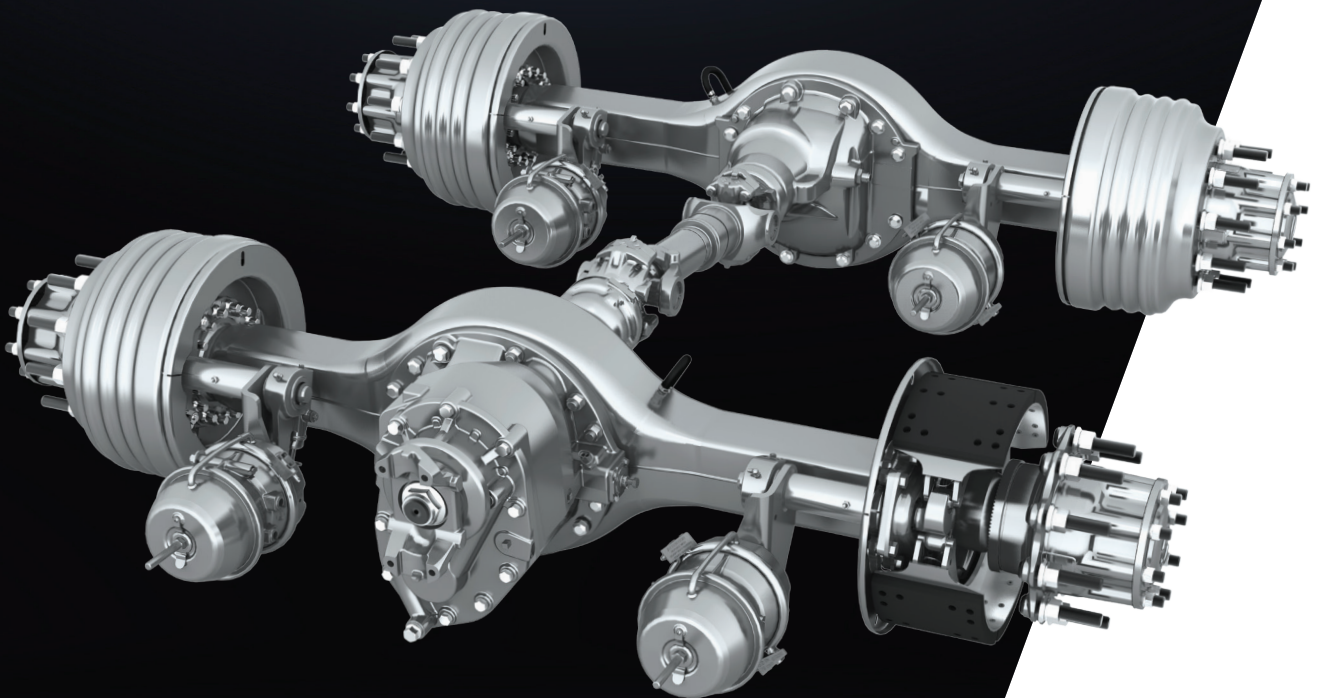
- Versatile for multiple applications including linehaul, general service and heavy service
- Robust inter-axle differential (IAD) design with larger bearings and shaft to handle high-torque applications
- Amboid design for improved life and decreased vibration
- Optional pump designed specifically for demanding vocational applications to ensure a constant flow of lubrication to the IAD components
- Compatible with torque limiting engines

**20%
LARGER IAD**
RELIABILITY & DURABILITY

IMPROVED DRIVELINE
ANGLE DESIGN



WIDEST RANGE
GEAR RATIO
2.47 - 7.17



Meritor

**FOR
A WORLD
THAT'S
ALWAYS ON™**

MT-14X TANDEM DRIVE AXLE

As Cummins-Meritor’s flagship axle, the 14X is the most widely adopted axle in the commercial vehicle industry. Features include a robust inter-axle differential (IAD) to handle today’s higher-torque engines, amboid gear design for improved driveline life and reduced vibration, and the most complete range of axle ratios – from 2.47 to 7.17.

FEATURES

■ Robust input shaft components

- Higher capacity with fewer parts, for maximum durability
- Ability to handle up to 2,050 lb.-ft. of torque in certain applications
- IAD needle bearing system reduces heat and wear, and provides 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

- *Driver-controlled differential locks (DCDL)* – Can be activated to redirect torque to be distributed equally to both wheels of the axle in loss of traction situations
- *Pump* – Designed specifically for vocation applications to provide constant lubrication to the critical IAD components in both forward and reverse
- *Breather* – Designed for today’s extended-drain synthetic lubes, the breather helps prevent water and other contaminants from entering the axle while keeping lube in place
- *DualTrac™ intermediate housing* – Optimizes the use of wide-based tires, with bearing life equal to dual-tire-configured tandem axles

| Axle Model | | MT-40-14X | MT-44-14X |
|---|--------------------------|--|--|
| Rating | | 40,000 lbs (18,160 kg) | 44,000 lbs (19,976 kg) |
| Gross combined weight (GCW) highway | Max. 3% grade (turnpike) | 145,000 lbs (65,830 kg) | |
| | Max. 8% grade (paved) | 125,000 lbs (56,750 kg) | 68,000 lbs (30,872 kg) GVWR only |
| Standard ratios (2.47-4.11 – amboid; 2.64-7.17 – hypoid) | | 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 | 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 |
| Ring gear size (pitch diameter) | | 15.31 in (388.91 mm) | |
| Axle shaft spline size | | 2.1 in (53.3 mm) – 41 Teeth | |
| Body diameter | | 1.88 in (47.8 mm) / 2 in (50.8 mm) | 2 in (50.8 mm) |
| Housing box size | | 5.25 in x 4.62 in (134 mm x 117 mm) | |
| Wall thickness at spring seat | | 0.37 in (9.5 mm) Standard/DualTrac 0.43 in (11 mm) Standard/DualTrac 0.5 in (12.7 mm) Standard Track 0.56 in (14.3 mm) Wide Track | 0.5 in (12.7 mm) Standard Track 0.56 in (14.3 mm) Wide Track |
| Wheel-end series | | R | |
| All compatible with Cummins-Meritor options: DCDL, pump and improved breather | | | |



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