

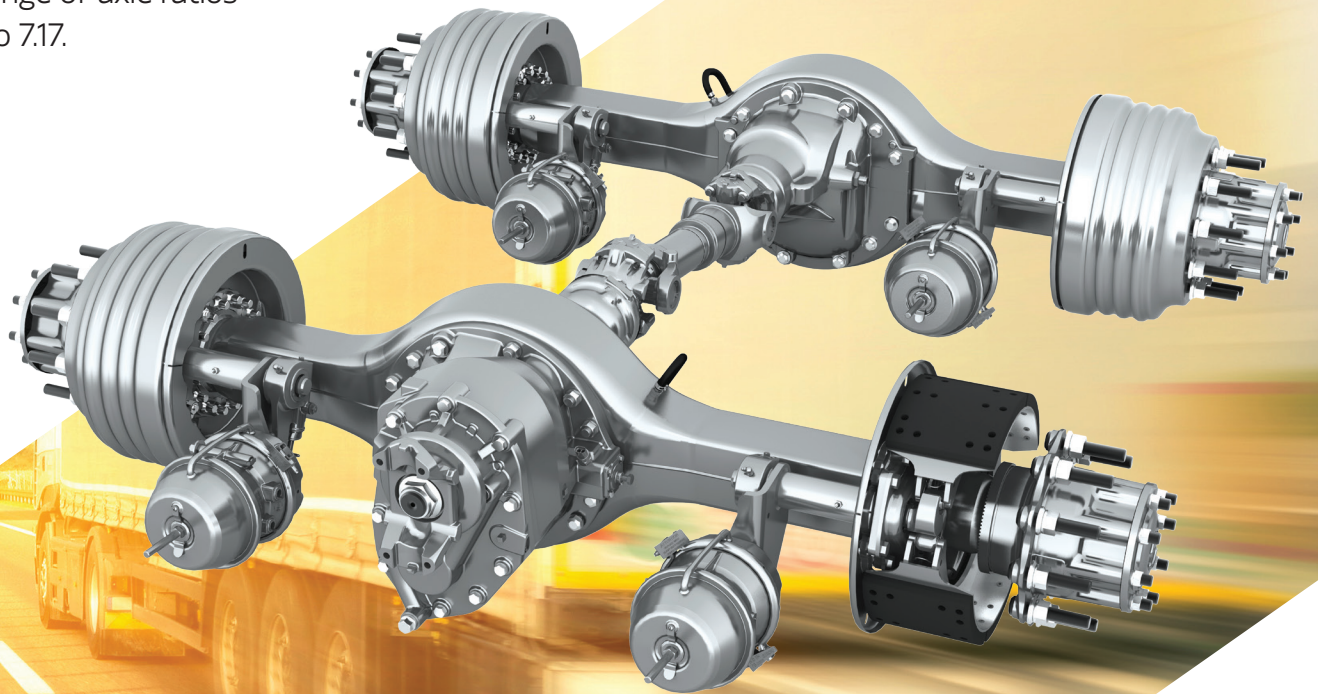
TANDEM REAR DRIVE AXLE

MT-14X™

Ready for anything

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

As our 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 2.28 to 7.17.



Meritor® MT-14X™ Tandem Rear Drive Axle

PERFORMANCE ADVANTAGES

- Versatile for multiple applications including linehaul, general service and heavy service
- Inter-axle differential (IAD) design 20% larger than the competition's with larger bearings and shaft to reliably handle high-torque applications
- Industry's most complete range of ratios (2.28-7.17) fulfills specific needs for fuel economy and maximum performance on the road
- Compatible with torque-limiting engines
- MT-14X+ includes high-capacity bearings and robust one-piece carrier to enable increased engine torque and power compared to the MT-14X

FEATURES

- **Robust input shaft components**
 - Higher capacity with fewer parts for maximum durability
 - Improved pinion, differential and needle bearing design reduces heat and wear, provides longer life and increases reliability

- Ability to handle up to 2,050 pound-feet of torque capacity in certain applications
- Lubrication reservoir keeps lubricant in the forward input bearing shaft at all times

- **Premium amboid axle design**

- Improved inter-axle driveline U-joint angularity reduces vibration while increasing ride quality and overall component life

- **Performance-boosting options**

- *Driver-controlled differential lock (DCDL)* – Can be activated to provide maximum traction and spin out protection in slippery conditions
- *Pump* – Ensures a constant flow of lubrication to the input shaft 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™* – Allows for use of wide base single tires or dual wheels

Model	MT-34-14X	MT-40-14X	MT-44-14X	MT-40-14X+ hypoid	MT-40-14X+ amboid	
Gross axle weight rating (GAWR)	34,000 lbs (15,422 kg)	40,000 lbs (18,144 kg)	44,000 lbs (19,958 kg)	34,000 lbs (15,422 kg)	40,000 lbs (18,144 kg)	
Wheel-end	R	R	R	R	R	
Minimum mounting centers	35.88 in (911 mm)	35.88 in (911 mm)	35.88 in (911 mm)	35.88 in (911 mm)	35.88 in (911 mm)	
Box section	5.25 in x 4.62 in (134 mm x 117 mm)	5.25 in x 4.62 in (134 mm x 117 mm)	5.25 in x 4.62 in (134 mm x 117 mm)	5.25 in x 4.62 in (134 mm x 117 mm)	5.25 in x 4.62 in (134 mm x 117 mm)	
Standard ratios (high/low range)	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)	2.64, 3.08, 3.25, 3.36, 3.42, 3.55, 3.70, 3.90, 4.11, 4.33, 4.63, 4.88	2.64, 2.85, 3.08, 3.25, 3.36, 3.42, 3.55, 3.70, 3.90, 4.11	
Track	Standard	72.5 in (1,842 mm)	72.5 in (1,842 mm)	72.5 in (1,842 mm)	72.5 in (1,842 mm)	
	Wide	78.12 in (1,984 mm)	78.12 in (1,984 mm)	78.12 in (1,984 mm)	78.12 in (1,984 mm)	
	DualTrac	75.5 in (1,918 mm)	75.5 in (1,918 mm)	N/A	75.5 in (1,918 mm)	75.5 in (1,918 mm)
Housing wall thickness	Standard	0.37 in/0.43 in (10 mm/11 mm)	0.37 in/0.43 in (10 mm/11 mm)	0.5 in (13 mm)	0.37 in/0.43 in (10 mm/11 mm)	0.37 in/0.43 in (10 mm/11 mm)
	Wide	0.56 in (14 mm)	0.56 in (14 mm)	0.56 in (14 mm)	0.56 in (14 mm)	0.56 in (14 mm)
	DualTrac	0.37 in/0.43 in (10 mm/11 mm)	0.37 in/0.43 in (10 mm/11 mm)	N/A	0.43 in (11 mm)	0.43 in (11 mm)



cummins.com

SP-1665
Bulletin 6453084 Produced in U.S.A. Rev. 9/24
©2024 Meritor, Inc.