

# THE INDUSTRY'S LIGHTEST TRAILER AXLE

## MTEC6™ SERIES TRAILER AXLE

Building on the strength of a century-long legacy of axle manufacturing, Cummins-Meritor's MTec6 trailer axle was designed to replace traditional 5-inch and 5.75-inch TP and TN axle designs. This 6-inch diameter axle offers industry-leading weight savings and structural design advantages to improve fleet productivity.

### PERFORMANCE ADVANTAGES

- 40 lbs. lighter than the lightest 5-inch axle and 13 lbs. lighter than the lightest 5.75-inch axle, which enhances fuel economy and available payload
- 21% increase in stiffness over previous model improves tire contact patch and reduces tire wear
- Unsurpassed resistance to rust-jacking, extending Q+™ brake shoe life, with optional PlatinumShield® III
- Available with Meritor Tire Inflation System (MTIS™) for increased fuel economy and reduced tire wear

  
**REDUCED  
LIFECYCLE  
COSTS**

**40 LBS  
WEIGHT  
REDUCTION**

**21%  
INCREASED  
STIFFNESS**

**MERITOR  
PlatinumShield III**



**Meritor**

**FOR  
A WORLD  
THAT'S  
ALWAYS ON™**

# MTEC6™ SERIES TRAILER AXLE

Cummins-Meritor's advanced technologies, combined with a century of experience building axles, have resulted in the industry's lightest trailer axle. The MTec6 axle is designed to help fleets save fuel and expand payload capacity for a lower cost of ownership.

## FEATURES

- Weight to strength optimized wall thickness and 6 inch diameter make the MTec6 stiffer than smaller-diameter axles. As a result, the MTec6 deflects less under load, so tires maintain a more uniform contact patch to the road.
- Precision-formed single-piece axle tube design produces a robust, lightweight axle with better overall material consistency and fewer stress risers than multi-piece axles with friction-welded spindles.
- Factory-installed suspension brackets are robotically welded prior to painting or coating, ensuring enhanced connection to the axle beams.
- Available EX+™ air disc brakes offer improved braking performance and serviceability.
- Available with 16.5 inch x 7 inch Meritor Q+ cam brakes with PlatinumShield III – known for proven performance, long life and ease of service to S-cam bushings. PlatinumShield coating provides unsurpassed resistance to rust-jacking and corrosion, extending the life of your brakes. Q+ brakes come with industry-preferred MA brake linings and innovative features, including: bolt-on S-cam bushings, unique barrel-shaped brake rollers and the lightest-weight spider in its class.
- Standard top center hole for easier installation of Meritor Tire Inflation System (MTIS). MTIS helps keep all tires properly inflated to increase tire life, improve fuel economy and reduce tire service calls. Standard ThermALERT™ wheel-end heat sensing technology alerts drivers to potential heat related wheel-end issues and helps prevent serious problems on the road.

MTec6 configurations	
Axle spindles	TP and TN
Track	71.5 in. and 77.5 in.
Brake types	Cam brake, disc brake*
Cam brake sizes	16.5 in. x 7 in. and 16.5 in. x 8.625 in.
GAWR	22,500 lbs.
Spring seat height	.75 in. - 4.25 in.
Spring mounting centers	36 in., 38 in., 42 in., 44 in.

\*P spindle only

MTec6 axle weight savings	
Weight savings vs. typical 5-inch axle <sup>1,3</sup>	40 lbs.
Weight savings vs. typical 5.75-inch axle <sup>2,3</sup>	13 lbs.

<sup>1</sup> Compared to lightest conventional 5 inch diameter trailer axle available.

<sup>2</sup> Compared to lightest conventional 5.75 inch diameter trailer axle available.

<sup>3</sup> Based on 77.5 inch track beam and brake axle configuration.

## WARRANTY COVERAGE

Axle warranty is 5 years/500,000 miles for parts and 1 year/100,000 miles for labor. Every claim is fully supported by OnTrac™. For details, call **866-668-7221 (OnTrac1)**.

## UNMATCHED CUSTOMER SUPPORT

Every Cummins-Meritor MTec6 axle is backed by unsurpassed service and support, with DriveForce™ – Cummins-Meritor's North American sales and service organization – and the OnTrac technical support center available to assist customers with solutions before, during and after the sale. For more information, call **866-668-7221 (OnTrac1)** or visit **cummins.com**.



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