



SED

PRODUCT INFORMATION

Sales Engineering

Mack Trucks, Inc.
Allentown, PA 18103
United States

PID Code

Description: Meritor RT46-164EH

Models: ALL

Date: August 10, 2015

MERITOR TANDEM AXLES

For many applications, nothing less than a tandem axle will survive. And Meritor tandems not only survive, but thrive on the toughest, meanest, most demanding jobs. Year after year, Meritor tandems keep delivering the performance. And the goods. With legendary durability. Plus reduced maintenance and operating costs.



Features/Options

Performance Benefits

14X EXCLUSIVE

More robust Inter-Axle Differential (IAD)	20% larger than the competition's and with fewer parts; torque capacity up to 2050 lb. ft. in certain applications; improved pinion, differential and needle bearing design provides longer life and increased reliability
2.64-7.17 vocational ratio range	Widest ratio range to match your application and specific engine manufacturer's recommendations
DualTrac™ housing option	Effectively repositions the loading on wheel bearings similar to dual tire configurations when used with 0.0°-0.56° outset wheels
High-torque gear design	Provides smoother and quieter operation, greater torque capacity and longer component life
Rugged, single-piece carrier design	Supports precise gear alignment
Meritor spindle design	Central Tire Inflation (CTI) system-ready
Optional aluminum rear carrier and is available for RT-40-145A family only	Reduces weight to deliver additional payload capacity and greater fuel economy
Broad range of gear ratios available	Enables end users to choose axles tailored to their needs, whether it be improved fuel economy, greater torque or maximum traction
Lowest-maintenance tandem design available	Extends range up to 500,000 miles between lube changes
Anti-lock braking system (ABS) and Automatic Traction Control (ATC) options	Provides greater braking control, shorter stopping distances and improved traction for both starting and higher-speed driveability
Optional Driver-Controlled Differential Lock (DCDL)	Provides maximum traction and spinout protection under slippery conditions

The information in this document was accurate as of the date of release and pertains to the current version of Mack's Sales Tool. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice.



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Hypoid Single-Reduction Axle Specifications

RATINGS pounds (kg)	AXLE MODEL	GCW HIGHWAY pounds (kg)		STANDARD RATIOS	RING GEAR SIZE (PITCH DIAMETER) inches (mm)	AXLE SHAFT SPLINE SIZE inches (mm)	AXLE SHAFT DIAMETER inches (mm)	HOUSING BOX SIZE inches (mm)	WALL THICKNESS AT SPRING SEAT inches (mm)	WHEEL-END SERIES	APPLICATIONS
		Max. 3% Grade (Turnpike)	Max. 8% Grade (Paved)								
45,000 (20,884)	RT-46-160P	185,000 (83,990)	160,000 (72,640)	3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.89, 5.38, 5.63, 6.14, 6.43, 6.83, 7.17	18.0 (457.2)	2.35 (59.7) 46 Teeth	2.25 (57.2)		0.50 (12.7), 0.63 (16.0) Wide Track Only Available as RT-46-164 Series		GS, HS, RS
	RT-46-164P								0.63 (16.0)		

Applications Key: GS – General Service • HS – Heavy Service • RS – Restricted Service

See Applications section for specific vehicle references. Refer to publication TP7824 for complete axle specification details.

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