Single Drive Axle

Hypoid Single Reduction
RS-17-144 17,500 lbs.

Product Summary
The Meritor® RS-17-144/145 single drive axles are the standard offering designed for medium-duty on-highway use. The RS-17-144/145 are ideal for low initial cost and overall economy.

The RS-17-144 features larger “R” series wheel ends for increased parts commonality. The RS-17-145 is configured with proven Meritor® “L” wheel spindles and brake flanges which are compatible with medium-duty brake and wheel equipment.

Twenty gear ratios are available, ranging from 2.79 to 7.17, in an efficient single-reduction carrier design.

The axles feature a housing design with a 0.375-inch wall thickness, 15.3-inch hypoid-Generoid gearing, with bolted ring gear to differential case attachment, precision-forged differential gears, and a rigid design differential case. Also featured are unitized pinion seals and full compatibility with OEM factory fill of ArvinMeritor approved extended drain lubricants. The RS-17-144/145 have standardized wheel ends for optimum parts interchangeability.

For traction improvement, the Meritor® driver-controlled differential lock is available on the RS-17-144. Also, a 36.5 lb. weight savings is available by specifying the aluminum carrier casting on the RS-17-144A.

Commonality of parts with the RT-145 series axles reduces inventories and provides parts availability throughout North America.

The RS-17-144/145 are available with the TELMA retarder mounted directly to the axle for certain approved applications. For additional details, see the Meritor® and TELMA product profile TP-90214.

Application Summary
The RS-17-144/145 are compatible with medium-duty truck and tractor applications in pickup and delivery, school bus, motor home and utility vocations.

For those vehicle operators who anticipate more severe duty in on-/off-highway applications or high-stop/start duty cycles such as refuse or construction service, the RS-21-145 or RS-23-160 should be specified.
The entire family of Meritor® axles is an integral member of Drivetrain Plus™ by ArvinMeritor, the industry’s most complete drivetrain. For more information, call 800-535-5560.