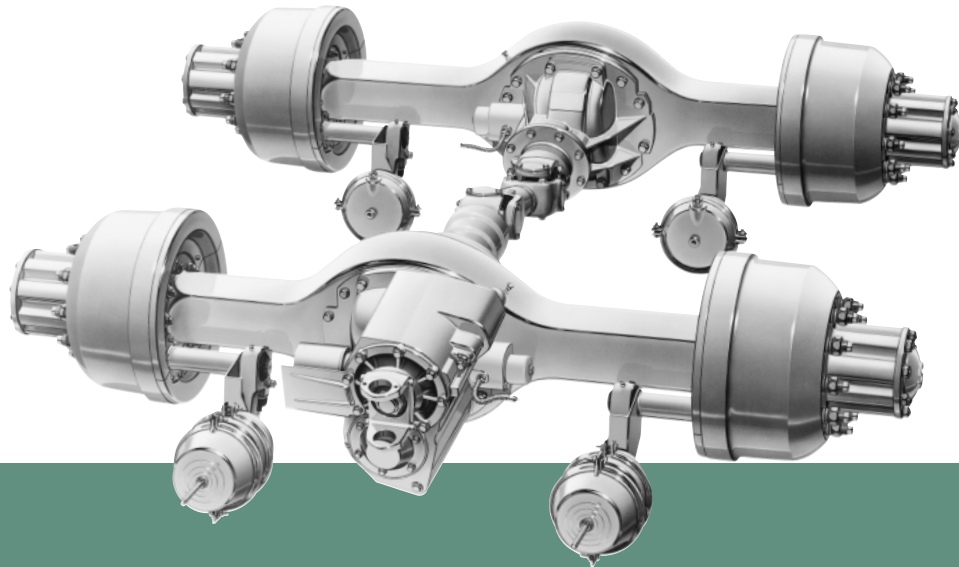




MERITOR[®]
We work for you.

Tandem Drive Axles

Hypoid Single Reduction
RT-40-145/RT-40-145P — 40,000 lbs.



Product Summary

The RT-40-145 is Meritor's premium performance-oriented 40,000 lb. gross axle weight rated (GAWR) tandem drive axle.

The RT-40-145 offers for the widest range of ratios available (eighteen, ranging from 2.64 to 7.17) providing for compatibility with low RPM engines to ensure maximum fuel efficiency and performance at highway speeds.

The axle features a long life housing design with a standard 0.375-inch wall thickness (with optional 0.433-inch), hypoid-Generoid gearing with bolted ring gear to differential case attachment, precision-forged differential gears, one-piece forward carrier design, large diameter input shaft, and rigid differential case. Also featured are unitized pinion seals and full compatibility with OEM factory fill of Meritor approved extended drain lubricants.

An optional driver-controlled differential lock (DCDL) for maximum traction is available for the RT-40-145 as well as a pressurized filtered lubrication system to provide for spin-out protection (RT-40-145P).

Meritor's 40,000 lb. tandems are also available with unitized wheel ends which eliminate regular wheel-end maintenance requirements. Refer to SP-2059 for more details.

Application Summary

The RT-40-145 provides for compatibility with all normal truck and tractor applications in North America, such as general freight vehicles, doubles, triples, auto haulers and moving vans, where a 40,000 lb. GAWR axle is required. The RT-40-145 is particularly well suited where end users require fast ratio for drive line optimization or the need for Meritor's pressurized filtered lubrication system or driver-controlled differential lock.

For those operators who expect to experience severe duty service or frequent overloads, the RT-44-145 or RT-40-160 should be specified.

Features

Large (15.3-inch) hypoid-Generoid gearing

Rigid bolted ring gear attachment

Rigid ribbed differential case

Precision-forged differential gears

Rugged single piece carrier design

Unitized pinion seals

Compatibility with OEM factory fill of extended drain lubricants

No initial lubrication drop requirement

Availability of pressurized filtered lube system (RT-40-145P) option

Availability of driver-controlled differential lock option

Meritor "R" spindle design

Unitized wheel end availability

Benefits

Longer life, greater strength, quieter operation

Durability, serviceability

Better gear alignment, durability

Durability, greater strength

Precise alignment, less leaks

Seal lips are completely encased to keep lubricant in and help prevent installation and contamination damage

Reduced operating costs

Reduced operating costs

Virtually eliminates potential spin-out

Maximum traction

Industry standard brake and wheel equipment compatibility

Eliminates bearing and seal installation problems and provides a long life maintenance-free wheel end

Specifications* RT-40-145(P)

RATING POUNDS (KG)	GCW POUNDS (KG) HIGHWAY		STANDARD RATIOS	HOUSING SIZE/ WALL THICKNESS AT SPRING SEAT INCHES (MM)	WEIGHT** POUNDS (KG)	OIL CAPACITY*** PINTS (LITERS)	BRAKE TYPES AND SIZES INCHES (MM)	HUBS AND DRUMS, BOLT CIRCLE DIAMETER INCHES (MM)
	TURNPIKE	PAVED						
40,000 (18144)	145,000 (65772)	125,000 (56700)	2.64, 2.79, 2.93, 3.07, 3.21, 3.42, 3.58, 3.73, 3.90, 4.11, 4.33, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17	5.28 x 4.61/0.37 (134 x 117/9.5) Optional Wall Thickness 0.43 (11) 0.56 wide track (14.3)	F 696 (315.7) R 563 (255.4)	F 30.2 (14.3) R 25.8 (12.2)	Cam-Master Q Plus 15 x 7 (381 x 178) 15 x 8.62 (381 x 219), 16.5 x 7 (419 x 178), Cam-Master Q Plus 16.5 x 7 (419 x 178), Stopmaster 15 x 7 (381 x 178) Dura-Master Air Disc ADB-1560	10 Stud, 11.25 (285.75) 10 Stud, 13.19 (335) Cast Spoke Wheels

*Permitted use of axles and components, including capacity ratings where stated, vary with application and service. Applications should be approved by Meritor On-Highway Axle and Brake Engineering Departments. Approved ratings may be higher or lower than indicated above, dependent upon engineering review.

**Axle weights less oil, brakes, hubs, drums or rotors, bearing cones, seals, wipers, suspension brackets, yokes and options.

***Oil capacities for standard track axles measured at the various common drive pinion angles and include quantities for both wheel ends. Capacities will change if track or drive pinion angle is different.



The entire family of Meritor axles is an integral member of **Drivetrain Plus™** by Meritor, the industry's most complete drivetrain. For more information, call **800-535-5560**.