

MACK® C150/151 AXLE CARRIERS

# BUILT TO CARRY YOUR BUSINESS



## C150/151 AXLE CARRIERS

- REDUCED GEAR NOISE AT HIGHWAY SPEEDS
- INCREASED HORSEPOWER AND PEAK TORQUE INPUT CAPACITIES
- EXPANDED GEAR RATIO COVERAGE FOR OPTIMIZED HIGHWAY APPLICATIONS
- STANDARD INTER-AXLE POWER DIVIDER 4 PINION CLOSED DIFFERENTIAL
- AVAILABLE INTER-AXLE POWER DIVIDER LOCK OUT
- AVAILABLE FULL LOCKING DIFFERENTIALS ON FRONT, REAR OR BOTH DRIVE AXLES
- INCREASED DURABILITY
- SUPERIOR LEAK PROTECTION



BUILT LIKE A MACK TRUCK®

# MACK® C150/151 AXLE CARRIERS



## BUILT FOR INCREASED RELIABILITY

Mack axles and carriers are the foundation upon which the Mack reputation for ruggedness, productivity and dependability is built. And the next evolution — the new Mack C150/151 Axle Carriers — will only build on that Bulldog® tough legacy.

The C150/151 Axle Carriers deliver improved efficiency, higher ratings, improved durability and quieter operation. They are engineered with new lower numeric ratios, allowing it to run at reduced RPMs while at cruise speeds, boosting fuel economy and making it ideal for highway applications. They are designed to handle the relentless punishment of demanding vocational operations and are rated for severe-duty applications typically performed in Canada. The C150/151 Axle Carriers also offers a single axle to accommodate the highway market.

## MACK C150/151 AXLE CARRIERS FEATURE:

- Optional Driver Controlled Differential Lock with independent or joint control for improved traction
- Available with an automatic Inter-Wheel Power Divider in select ratios
- Standard Mack Inter-Axle Power Divider with an optional Power Divider Lockout
- A patent-pending sealing package for the bevel pinion shim pack & o-ring seals that integrate throughout for superior oil leak protection
- Patented symmetric front and rear hollow bevel pinions
- Larger tapered roller bearings throughout
- Premium bearing materials
- Triple-lip seal on rear carriers and singles for improved reliability

## DELIVERING HEAVY-DUTY SUPPORT

The Mack C150/151 Axle Carriers are a valuable component of the Mack integrated Pedigree® Powertrains, as they perform optimally because they're designed and manufactured to work together with the engine, transmission, axles and electronics.

The Mack standard dual-reduction, top-mounted feature of these new carriers provides Bulldog-tough, double-reduction through two sets of gears, not just a single reduction, which significantly reduces stress and gear face pressures through the carrier. Also because of the top-loading feature, Mack has reduced driveline angularity to an absolute minimum, which greatly reduces noise, vibrations and harmonics. This provides a quieter, smoother ride and longer input seal life. With differentials mounted horizontally, there is no vertical joint, significantly reducing axle lube leak paths, which is a major source of gear wear out and potential failure.

Mack spiral bevel gears provide "rolling friction" rather than the sliding friction normally associated with "hypoid" gears. The efficiencies involved with rolling an object rather than sliding it results in a reduction in frictional power loss. The Mack carriers incorporate a full-time power divider, which biases torque to the axle that has the greater amount of traction. An optional power divider lock-out is available for off-road and on-road ice and snow conditions.

Typical competitive axles use a conventional differential with a lock-out device. This differential reacts much like the differential on a passenger car. As a competitor's axle loses traction, all of the power is transferred to that axle and the vehicle becomes immobile. If the differential lock-out is utilized to restart the vehicle and not disengaged when returning to normal traction surfaces, expensive damage may occur.

For more information on the Mack C150/151 Axle Carriers, call 1-800-922-MACK (6225) or visit [macktrucks.com](http://macktrucks.com) to find a dealer near you.

