

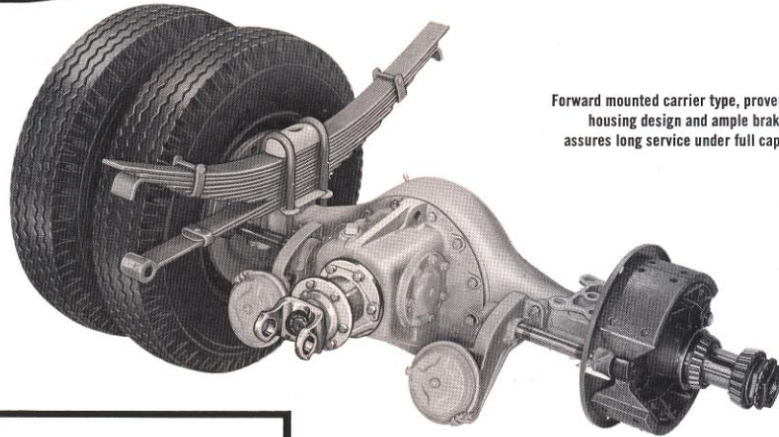


Rear Axles

RAD 529 • RAD 5291

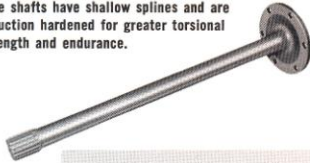
RADL 529 • RADL 5291

RAD 530 • RAD 5301



Forward mounted carrier type, proven axle housing design and ample brake size assures long service under full capacity.

Axle shafts have shallow splines and are induction hardened for greater torsional strength and endurance.



Self lubricating, four-pinion type differential provides a greater distribution of stress. Extra strong gears assure long life.

Mack Designed and manufactured, the Dual Reduction axle is a single speed type with two ratio steps in the carrier gears.

The first ratio step is through exclusive Mack DURAPOID spiral bevel gears. The DURAPOID gear tooth form causes the tooth bearing to remain in position under deflecting loads. Gear teeth mesh properly in the whole range from light to heavy loads. End tooth loadings are avoided.

Coarse pitch second reduction helical gears provide for greater individual tooth strength by permitting huskier teeth and a tooth form that directs stresses to the body of the bull gear.

The axle housing is of ample strength and rigidity. The pressed steel banjo, tube sleeves and spindle tubes of seamless steel tubing are joined into an integral structure by electric fusing.

Dual Reduction gearing has a balanced DURAPOID bevel gear pair and a husky helical gear pair. Mack exclusive tooth contact pattern increases gear life and reduces down time.

