



BOGIES

RA30

30,000 LBS [13 600 kg]

DETAIL SPECIFICATIONS

REAR AXLES

MAKE: MACK

Axle Model RA30
Capacity, Pounds 30,000 [13 600 kg]
Gross Combination Weight Rating, Pounds:

Table with 3 columns: w/Std. CRD203 Up to, Turnpike, Paved. Values: 100,000 [45 300 kg], 85,000 [38 500 kg]

See MackTraQ for specific GVW/GCW ratings per Carrier Application Guidelines. Failure to follow these guidelines may void Mack's Carrier Warranty.

Carriers

Type
Standard Dual Reduction Top Mounted with 4 Pinion Closed Differential
Optional (CRD2031) Interwheel Power Pivider
Standard Iron - CRD203
Available Ratios:
3.63; 3.94; 4.35; 4.73; 5.02; 5.46; 5.95; 6.41; 7.08; 8.37

Due to application variations (engine power/torque, transmission, tire size and duty cycle) some ratios may not be acceptable for GCW/GVW ratings listed.

Oil Capacity, Pints Carrier Bowl, 26 [12.3L]
Bevel Gear Compartment (203-2031) 8.5 [4.0L]
Drain Plugs Magnetic

Axle Housing, Type Cast Steel with Forged Spindles Pressed into Housing
Spindle Diameter Inner Bearing 4.00" [102 mm]
Outer Bearing 4.00" [102 mm]
Spindle Bore 2.75" [70 mm]

Axle Shafts, Type Free Splined Both Ends
Material Induction-Hardened Chromium Molybdenum Steel
Body Diameter 1.890" [48 mm]
Diameter over Splines 2.200" [56 mm]
Splines, No. & Type 43-Involute

Brakes Service Brake
Type "S" Cam
Manufacturer Meritor
Actuation Air
Lining Size, Diameter 16.5" [419 mm]
Width 7" [178 mm]
Lining Thickness 0.75" [18 mm]
Lining Area, Total 440 in² [2 839 cm²]
Chamber Size—Sq. In. Per Wheel 1 @ 36 [232 cm²]
Slack Adjuster Length 6.5" [165 mm]
Dust Shields Furnished
Brake Adjustment Manual Adjusting
Parking Emergency Brake Spring Loaded Chamber



SUSPENSIONS

without Helper Spring

SPRING TYPE	Multileaf
SPRING CENTER (Width)	40.25" [1 022 mm]
MAIN SPRINGS	
Ground Load Rating (lbs.)	30,000 [13 600 kg]
Length	51" [1 295 mm]
Width	3.0" [76 mm]
Number of Leaves and Thickness	
Spring	12 @ 0.499" [13 mm]
Radius Rod, Spring Type	3 @ 0.447" [11 mm]

with Helper Spring

HELPER SPRINGS

(Std. on DM, Optional on all other Chassis)

Length	36.0" [914 mm]
Width	3.0" [76 mm]
Number of Leaves and Thickness	8 @ 0.291" [7 mm]

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