



DETAIL SPECIFICATIONS

Rear Axle

MAKE: MACK

Axle Model	S40
Capacity, Pounds	40,000 [18 100 kg]
Axle Creep Rating	Pounds.60,000 [27 200 kg]

NOTE: Axle creep rating does not take into account the suspension creep rating which may be different. Check with the suspension supplier to be sure the suspension creep rating meets your application needs.

Gross Combination Weight Rating:

w/Opt. CRDPC125 - CRD126 Up to:	125,000 lbs. [56 818 kg]
w/Std. CRDPC150 - CRD151 Up to:	150,000 lbs. [68 182 kg]
w/Opt. CRDP202 - CRD203 Up to:	180,000 lbs. [81 818 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 Inter-Axle Power Divider & 4 Pinion Closed Differential

Optional Air assisted Inter-Axle Power Divider Lockout

Optional (CRD1501-1511, CRD2021-2031) Interwheel Power Divider

Optional . . Driver Controlled, Air Assisted Interwheel Differential Lock, available on Front Rear, Rear Rear or Both Rears is only available on CRD125/126 and CRD150/151

Standard Iron - CRDPC150 - CRD151

Available Ratios:

3.11*; 3.25*; 3.40*; 3.56*; 3.79; 3.98; 4.19; 4.50*; 4.80; 5.04; . . . 5.31; 5.66; (* are not available with Inter-Wheel Power Divider)

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

Optional Iron - CRDPC125 - CRD126

Available Ratios:

2.54; 2.66; 2.83

Optional Iron - CRDP202 - CRD203

Available Ratios:

3.63; 3.94; 4.35; 4.73; 5.02; 5.46; 5.95; 6.41; 7.08; 8.37

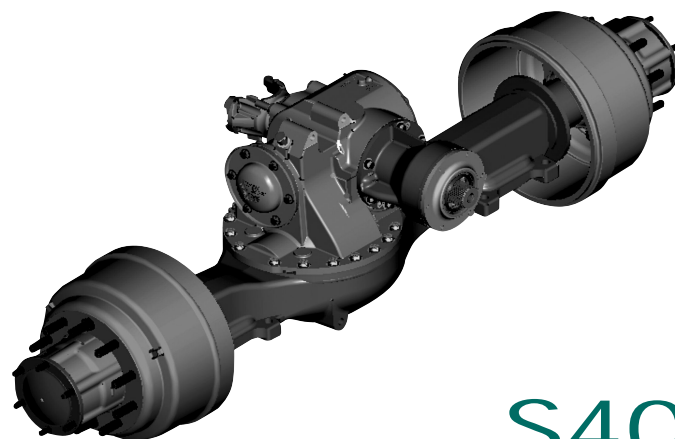
Due to application variations (engine power/torque, transmission, tire size and duty cycle) some ratios may not be acceptable for GCW/GVW ratings listed.

Oil Capacity, pints. Carrier Bowl, each 26 [12.3L]
Bevel Gear Compartment, each Carrier

(125/126) 8 [3.8L]

(150/151, 1501/1511) 8 [3.8L]

(202/203, 2021/2031) 8.5 [4.0L]



S40

40,000 LBS [18 100 kg]

Inter-Axle Power Divider

(125)	1.0 [0.5L]
(150/1501)	1.0 [0.5L]
(202/2021)	1.5 [0.7L]

Drain Plugs Magnetic

Axle Housing, Type . . Fabricated Steel with Forged Spindle Ends
Welded to Housing Shell

Spindle Induction Hardened Inner Journal

Diameter Inner Bearing 3.75" [95 mm]

Outer Bearing 3.25" [83 mm]

Spindle Bore Spindle Bore 2.52" [64 mm]

Axle Shafts, Type Integral flange

Material . . Induction Hardened Chromium Molybdenum Steel

Body Diameter 1.890 " [48 mm]

Diameter over Splines 2.200" [56 mm]

Splines, Number & Type 43-Involute

Brakes Service Brake

Type "S" Cam

Actuation Air

Lining Size, Diameter 16.5" [419 mm]

Width 7" [178 mm]

Lining Thickness 0.86" [22 mm]

Lining Area, Total880 in² [5 677 cm²]

Chamber Size—Sq. In. Per Wheel 1 @ 30 [194 cm²]

Slack Adjuster Length 5.5" to 6" [140 to 152 mm]

Brake Adjustment Self Adjusting

Parking Emergency Brake Spring Loaded Chamber

Auxiliary Spring Brake

Type Spring Loaded Chambers
Double Diaphragm Type)

Spring Release Mechanical

No. of Units:

Two (one unit per wheel on forward axle),

four units available

- Tractor—Cam Brakes w/front axle rating of 12,000 lbs. [5 400 kg] or less

Four (one unit per wheel)

- Tractor—Cam Brakes w/front axle rating greater than 12,000 lbs. [5 400 kg]
- Truck—Cam Brakes

