



DETAIL SPECIFICATIONS

Rear Axle

MAKE: MACK

Axle Model	S440
Capacity, Pounds	44,000 [20 100 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)	

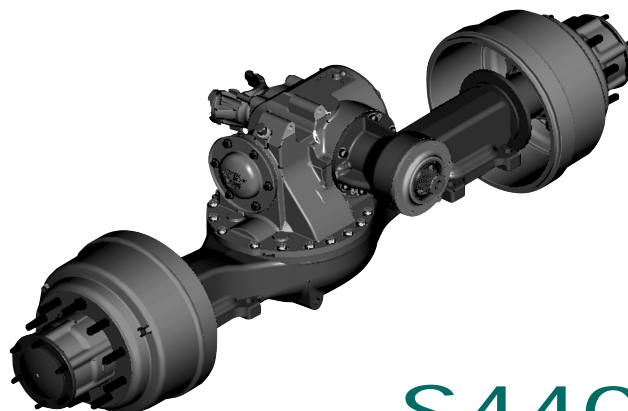
Due to application variations (engine power/torque, transmission, tire size and duty cycle) some ratios may not be acceptable for GCW/GVW ratings listed.

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]



S440

44,000 LBS [20 100 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 Inner Journal

Spindle	Induction Hardened Inner Journal
Diameter	Inner Bearing 3.75" [95 mm]
	Outer Bearing 3.25" [83 mm]
	Spindle Bore 2.52" [64 mm]

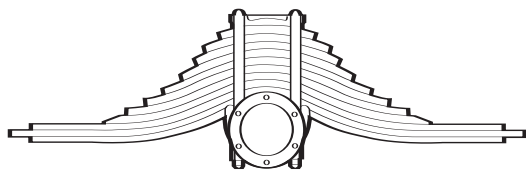
Axle Shafts, Type	Integral Flange
Material	Induction Hardened Chromium Molybdenum Steel
Body Diameter	1.890" [48 mm]
Diameter over Splines	2.200" [56 mm]
Splines, No. & Type	43-Involute

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, Total	880 in ² [5 677 cm ²]
Chamber Size—Sq. In. Per Wheel	1 @ 30 [194 cm ²]
Slack Adjuster Length	5.5-6" [140-152 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	

SUSPENSIONS



MULTILEAF CAMEL-BACK SPRING

MACK Unit Symbol **SS440**
Mack Suspension Creep Rating **.62,000 lbs.**

NOTE:

If you are choosing a supplier other than Mack for your suspension, check with the suspension supplier to be sure the suspension creep rating meets your application needs.

Capacity (Ground Load Rating) 44,000 [20 100 kg]
Load Centers 50" [1 270 mm] Std.
..... 55" [1 397 mm] Opt.
Spring Centers (Chassis Width) 39" [991 mm]
Spring Width 4" [102 mm]
No. of Leaves & Thickness:
Load Centers 50" [1 270 mm]
..... 55" [1 397 mm]
Std. Spring 10 @ .788" [20 mm]
..... 11 @ .788" [20 mm]
Anti-Sway 3 @ .788" [20 mm]
..... 3 @ .788" [20 mm]
..... 7 @ .999" [25 mm]
..... 8 @ .999" [25 mm]
Axle Retention Upper Rubber Shock Insulator in Axle Housing,
..... Lower Rubber Shock Insulator in Cast Iron Caps
Trunnion Bracket & Crossmember One Piece Fabricated Steel
..... with Integral Spindle & Collar Assembly
Spindle Solid
Bushing Standard—Bronze
..... Optional—Urethane
Torque & Propulsion Horizontal Torque Rods and Springs
..... One Transverse Torque Rod on Rear-Most Axle



WALKING BEAM

MACK Unit Symbol **SW440**
Mack Suspension Creep Rating **.62,000 lbs.**

NOTE:

If you are choosing a supplier other than Mack for your suspension, check with the suspension supplier to be sure the suspension creep rating meets your application needs.

Capacity (Ground Load Rating) 44,000 [20 100 kg]
Load Centers 50" [1 270 mm] Std.
..... 55" [1 397 mm] Opt.
Beam Centers (Chassis Width) 39" [991 mm]
Beam, Type I-Section
Material Fabricated Steel
Width 4" [102 mm] @ ends
Axle Retention Upper Rubber Shock Insulator in Axle Housing,
..... Lower Rubber Shock Insulator in Cast Iron Cap
Trunnion Bracket & Crossmember One Piece Fabricated Steel
..... with Integral Spindle & Collar Assembly
Spindle Solid
Bushing Bronze
Torque & Propulsion Horizontal Torque Rods and Walking Beams
..... One Transverse Torque Rod on Rear-Most Axle

AIR SUSPENSION

MACK Unit Symbol **AL461**
Mack Suspension Creep Rating **.50,000 lbs.**
Suspension Model AL461
Susp. Capacity (Ground Load Rating) 46,000 [20 800 kg]
Load Centers 52" [1 321 mm] Standard
..... 54" [1 372 mm] Optional
..... 60" [1 524 mm] Optional
Cross Tube Walking Beam Design
Main Support Member (Thickness) 2.375" [60 mm]
Frame Hangers Nodular Iron
Torque Rods Rubber Bushed
..... Adjustable Drop-In Shims
..... Retention Bar Pin Connections
Shock absorbers Four, two per axle
Air Springs
Four, Two per Axle
Torque & Propulsion Two Horizontal & Two Transverse Torque Rods
Air Dump Valve Dash Mounted