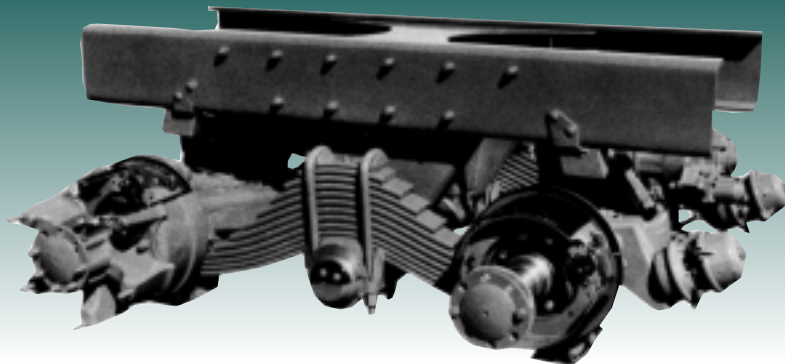


MACK

BOGIES



S52

52,000 LBS [23 587 kg]

DETAIL SPECIFICATIONS

REAR AXLES

MAKE: MACK

Axle Model	S52	
Capacity	52,000 [23 587 kg]	
Creep Rating, Pounds.	70,000 [31 700 kg]	
(Max. 5% mileage @ 5 mph)		
Gross Combination Weight Rating:		
	Turnpike	Paved
w/Std. CRDPC112 - CRD113 Up to:	155,000	130,000
	[70 300 kg]	[58 900 kg]
w/Opt. CRDP202 - CRD203 Up to:	200,000	170,000
	[90 700 kg]	[77 100 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 (CRD2021-2031)	Interwheel Power Divider
Standard	Iron - CRDPC112 - CRD113
Available Ratios:	
	3.86; 4.17; 4.42; 4.64; 5.02; 5.32; 5.55; 5.73;
	5.88; 6.06; 6.34; 6.56; 7.00; 7.49; 8.27; 9.10

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 - 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.

Carriers (Continued)

Oil Capacity, pints	Carrier Bowl, each 26 [12.3L]
Bevel gear compartment, each carrier (112/113)	8 [3.8L]
(202/203, 2021/2031)	8.5 [4.0L]
Inter-Axle Power Divider (112)	1.0 [0.5L]
(202/2021)	1.5 [0.7L]
Drain Plugs	Magnetic

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

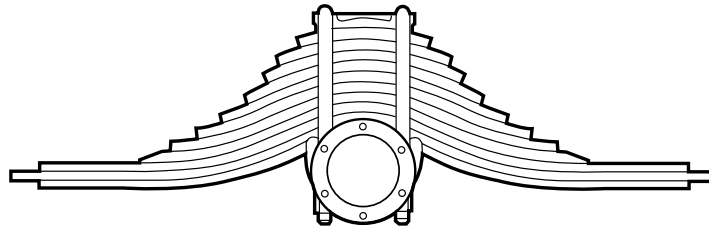
Brakes	Service Brake
Type	"S" Cam
Manufacturer	Meritor
Actuation	Air
Lining Size, Diameter	16.5" [419 mm]
Width	7" [178 mm]
Lining Thickness	0.75" [19 mm]
Lining Area, Total	1,012 in ² [6 529 cm ²]
Chamber Size—Sq. In. Per Wheel	1 @ 30 [194 cm ²]
Slack Adjuster Length	6" [152 mm]
Brake Adjustment	Self Adj.
Parking Emergency Brake	Spring Loaded Chamber

Auxiliary Spring Brake

Type	Spring Loaded Chambers (Double Diaphragm Type), Mechanical
Spring Release	Mechanical
No. of Units	Four (One Unit per Wheel)



SUSPENSIONS



MULTILEAF CAMEL-BACK SPRING

MACK Unit Symbol	SS52
Capacity (Ground Load Rating)	52,000 [23 587 kg]
Load Centers	55" [1 397 mm]
Spring centers (Chassis Width)	39" [991 mm]
Spring Width	4" [102 mm]
Number of Leaves & Thickness:	
Standard Spring	3 @ .788" [20 mm]
.....	7 @ .999" [25 mm]
Anti-Sway	3 @ .999" [25 mm]
.....	6 @ 1.250" [32 mm]
Axle Retention	Upper & Lower Rubber Shock
.....	Insulators, Spring Brackets
.....	Integral with Housing, Cast Iron Caps
Trunnion Bracket & Crossmember	One Piece Fabricated Steel
.....	with Removable Spindle
Trunnion Material Thickness	0.312" [8 mm]
Spindle	Solid
Bushing	Bronze, Rifle Grooved
Torque & Propulsion	Horizontal Torque Rods and Springs

The information in this brochure was accurate as known as of the date of the publication. Illustrations may not be representative of current product. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice at any time.