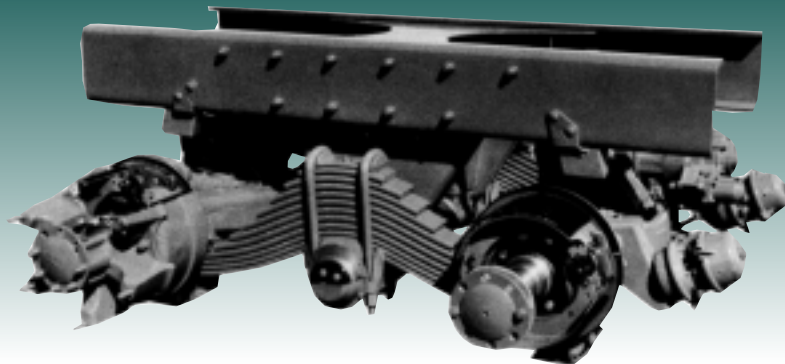


# MACK

## BOGIES



# S52

52,000 LBS [23 587 kg]

### DETAIL SPECIFICATIONS

#### REAR AXLES

#### MAKE: MACK

<b>Axle Model</b> .....	<b>S52</b>	
Capacity .....	52,000 [23 587 kg]	
Creep Rating, Pounds .....	70,000 [31 700 kg]	
(Max. 5% mileage @ 5 mph)		
Gross Combination Weight Rating:		
	<b>Turnpike</b>	<b>Paved</b>
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

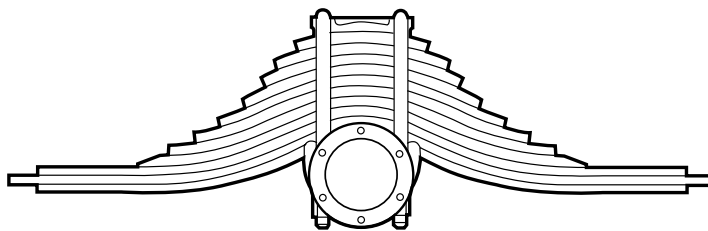
..... Service Brake	
Type .....	"S" Cam
Manufacturer .....	Meritor
Actuation .....	Air
Lining Size, Diameter .....	16.5" [419 mm]
Width .....	7" [178 mm]
Lining Thickness .....	0.75" [19 mm]
Lining Area, Total .....	1,012 in <sup>2</sup> [6 529 cm <sup>2</sup> ]
Chamber Size—Sq. In. Per Wheel .....	1 @ 30 [194 cm <sup>2</sup> ]
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**

<b>MACK Unit Symbol</b> .....	<b>SS52</b>
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.