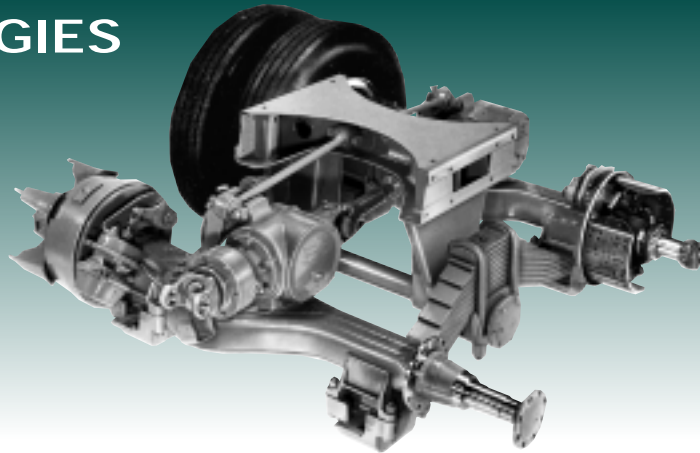


# MACK

## BOGIES



# S652

65,000 LBS [29 500 kg]

## DETAIL SPECIFICATIONS

### REAR AXLES

#### MAKE: MACK

**Axle Model** ..... **S652**

Capacity ..... 65,000 [29 500 kg]

Creep Rating, Pounds..... 85,000 [38 500 kg]

(Max. 5% mileage @ 5 mph)

Gross Combination Weight Rating:

	<u>Turnpike</u>	<u>Paved</u>
w/Std. CRDP95 - CRD96 Up to:	280,000	230,000
	[127 000 kg]	[104 300 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

Standard ..... Iron - CRDP95 - CRD96

Available Ratios:

4.60, 5.22, 5.88, 6.73, 7.58,  
8.27, 9.10, 10.11, 11.38

*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 . . . 10 [4.67L]

Inter-Axle P.D. .... .2.0 [0.96L]

Drain Plugs ..... Magnetic

**Axle Housing, Type** .....Spindle, Induction Hardened  
Inner Journal

Diameter ..... Inner Bearing 4.0" [102 mm]

Outer Bearing 3.75" [95 mm]

Spindle Bore 2.75" [70 mm]

**Axle Shafts, Type** ..... Free Splined Both Ends

Material .....Induction Hardened  
Chromium Molybdenum Steel

Body Diameter ..... 2.250" [57 mm]

Diameter over Splines ..... 2.628" [67 mm]

Splines, No. & Type ..... 17-Involute

**Brakes** ..... Service Brake

Type ..... "S" Cam

Manufacturer ..... Meritor

Actuation ..... Air

Lining Size, Diameter ..... 18.0" [457 mm]

Width ..... 7" [178 mm]

Lining Thickness ..... 0.75" [19 mm]

Lining Area, Total ..... .912 in<sup>2</sup> [5 884 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 Adjusting

Parking Emergency Brake ..... Spring Loaded Chamber

#### Auxiliary Spring Brake

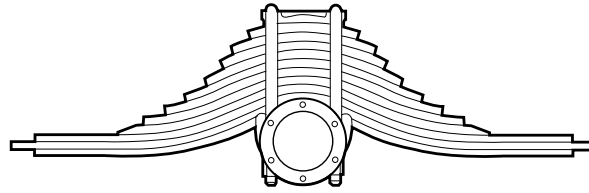
Type ..... Spring Loaded Chambers  
(Double Diaphragm Type)

Spring Release ..... Mechanical

No. of Units ..... Four (One Unit per Wheel)

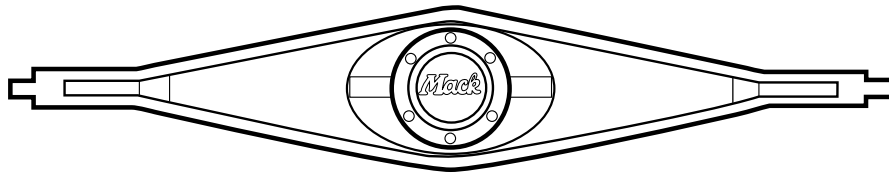


**SUSPENSIONS**



**MULTILEAF CAMEL-BACK SPRING**

<b>MACK Unit Symbol</b> .....	<b>SS652</b>
Capacity (Ground Load Rating) .....	65,000 [29 500 kg]
Load Centers .....	58" [1 473 mm]
Spring Centers (Chassis Width) .....	38.25" [972 mm]
Spring Width .....	5" [127 mm]
Number of Leaves & Thickness:	
Standard Spring .....	10 @ .999" [25 mm]
Anti-Sway .....	8 @ .1.25" [32 mm]
Axle Retention .....	Upper & Lower Rubber Shock Insulators, Spring Brackets Integral with Housing, Cast Steel Caps
Trunnion Bracket & Crossmember .....	Fabricated Steel Crossmember with Upper Gussets & Cast Steel Trunnion Brackets (Eagle Claw Type)
Spindle .....	Solid
Bushing .....	Bronze
Torque & Propulsion .....	Horizontal Torque Rods and Springs



**WALKING BEAM**

<b>MACK Unit Symbol</b> .....	<b>SW652</b>
Capacity (Ground Load Rating) .....	65,000 [29 500 kg]
Load Centers .....	58" [1 473 mm]
Beam centers (Chassis Width) .....	38.25" [972 mm]
Beam, Type .....	I-Section
Material .....	Fabricated Steel
Width .....	5" [127 mm]
Axle Retention .....	Upper & Lower Rubber Shock Insulators, Spring Brackets Integral with Housing, Cast Steel Caps
Trunnion Bracket & Crossmember .....	Fabricated Steel Crossmember with Gussets & Cast Steel Trunnion Brackets (Eagle Claw Type)
Spindle .....	Solid
Bushing .....	Bronze
Torque & Propulsion .....	Horizontal Torque Rods and Walking Beams

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.