



DETAIL SPECIFICATIONS

Rear Axle

MAKE: MACK

Axle Model **S652**
Capacity 65,000 [29 500 kg]
Creep Rating, Pounds. 85,000 [38 500 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:

CRDP95 - CRD96 **Engineering Review Required**

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 One Piece Ductile Iron Casting

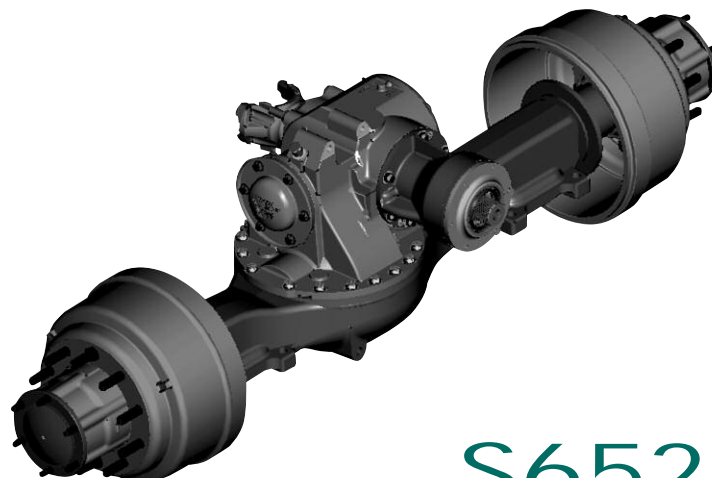
Spindle Induction Hardened Inner Journal

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

**S652****65,000 LBS [29 500 kg]**

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

Actuation Air

Lining Size, Diameter 18.0" [457 mm]

Width 7" [178 mm]

Lining Thickness 0.86" [22 mm]

Lining Area, Total 912 in² [5 884 cm²]

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

Slack Adjuster Length 6" [152 mm]

Brake Adjustment Self Adjusting

Parking Emergency Brake ... Spring Loaded Chamber

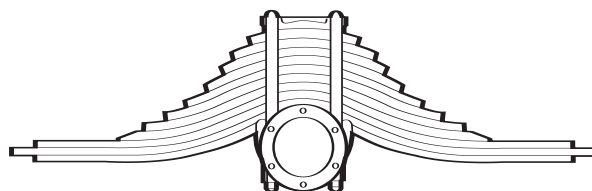
Auxiliary Spring Brake

Type Spring Loaded Chambers
(Double Diaphragm Type)

Spring Release Mechanical

No. of Units Four (One Unit per Wheel)

SUSPENSIONS



MULTILEAF CAMEL-BACK SPRING

MACK Unit Symbol	SS652
Mack Suspension Creep Rating	133,800 lbs.

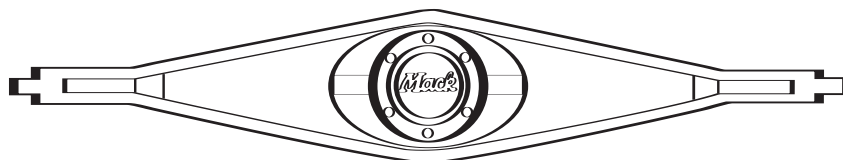
NOTE:

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)	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

MACK Unit Symbol	SW652
Mack Suspension Creep Rating	133,800 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)	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

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