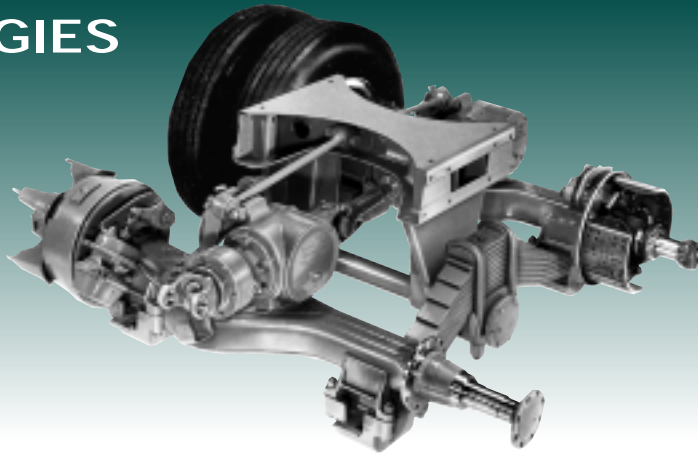


# MACK

## SB38

38,000 LBS [17 200 kg]

### BOGIES



### DETAIL SPECIFICATIONS

#### REAR AXLES

#### MAKE: MACK

**Axle Model** ..... **SB38**

Capacity, Pounds ..... 38,000 [17 200 kg]

Creep Rating, Pounds. .... MACK: 60,000 [27 200 kg]

HENDRICKSON: 56,000 [25 400 kg]

(Max. 5% mileage @ 5 mph)

Gross Combination Weight Rating:

	<u>Turnpike</u>	<u>Paved</u>
w/Std. CRDPC92 - CRD93 Up to:	155,000 [70 300 kg]	130,000 [58 900 kg]
w/Opt. CRDP202 - CRD203 Up to:	200,000 [90 700 kg]	170,000 [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 (CRD921-931, CRD2021-2031) ..... Interwheel Power Divider

Standard ..... Iron - CRDPC92 - CRD93

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

(92/93, 921/931) ..... 8 [3.8L]

(202/203, 2021/2031) ..... 8.5 [4.0L]

Inter-Axle Power Divider

(92/921) ..... 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

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, Dia. .... 16.5" [419 mm]

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

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

Lining Area, Total ..... .880 in<sup>2</sup> [5 677 cm<sup>2</sup>]

Chamber Size—

Sq. In. Per Wheel ..... 1 @ 30 [194 cm<sup>2</sup>]

Slack Adjuster Length ..... 5.5" to 6" [140 to 152 mm]

Brake Adjustment ..... Self Adjusting

Parking Emergency Brake ..... Spring Loaded Chamber

**Auxiliary Spring Brake**

Type ..... Spring Loaded Chambers

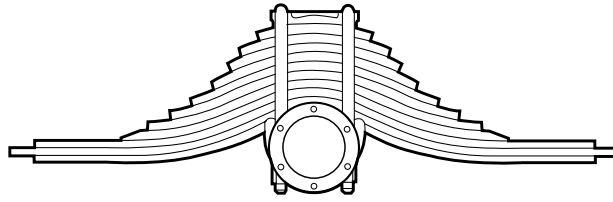
(Double Diaphragm Type)

Spring Release ..... Mechanical

No. of Units ..... Four (one unit per wheel)

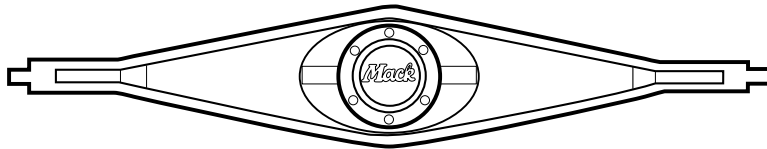


**SUSPENSIONS**



**MULTILEAF CAMEL-BACK SPRING**

<b>MACK Unit Symbol</b> . . . . .	<b>SB38</b>
Capacity (Ground Load Rating) . . . . .	38,000 [17 200 kg]
Load Centers . . . . .	50" [1 270 mm] Standard 55" [1 397 mm] Optional
Spring Centers (Chassis Width) . . . . .	39" [991 mm]
Spring Width . . . . .	4" [102 mm]
Number of Leaves & Thickness: (w/Anti-Sway)	
Load Centers . . . . .	50" [1 270 mm] . . . . . 55" [1 397 mm] 3 @ .788" [20 mm] . . . . . 3 @ .788" [20 mm] 7 @ .999" [25 mm] . . . . . 8 @ .999" [25 mm]
Axle Retention . . . . .	Upper & Lower Rubber Shock Insulators, Cast Steel Spring Brackets, Cast Iron Caps
Trunnion Bracket & Crossmember . . . . .	One Piece Fabricated Steel with Integral Spindle & Collar Assembly
Spindle . . . . .	Solid
Bushing . . . . .	Bronze
Torque & Propulsion . . . . .	Horizontal Torque Rods and Springs



**WALKING BEAM**

<b>MACK Unit Symbol</b> . . . . .	<b>SWB38</b>
Capacity (Ground Load Rating) . . . . .	38,000 [17 200 kg]
Load Centers . . . . .	50" [1 270 mm] Standard 55" [1 397 mm] Optional
Beam Centers (Chassis Width) . . . . .	39" [991 mm]
Beam, Type . . . . .	I-Section
Material . . . . .	Fabricated Steel
Width . . . . .	4" [102 mm] @ Ends
Axle Retention . . . . .	Upper & Lower Rubber Shock Insulators, Cast Steel Spring Brackets Cast Iron Caps
Trunnion Bracket & Crossmember . . . . .	One Piece Fabricated Steel with Integral Spindle & Collar Sssembly
Spindle . . . . .	Solid
Bushing . . . . .	Bronze
Torque & Propulsion . . . . .	Horizontal Torque Rods and Walking Beams

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