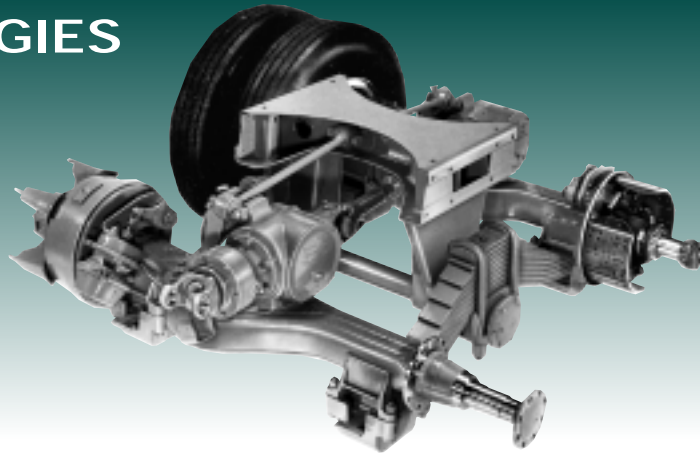


MACK

BOGIES



SB38

38,000 LBS [17 200 kg]

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, Total880 in² [5 677 cm²]

Chamber Size—

Sq. In. Per Wheel 1 @ 30 [194 cm²]

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

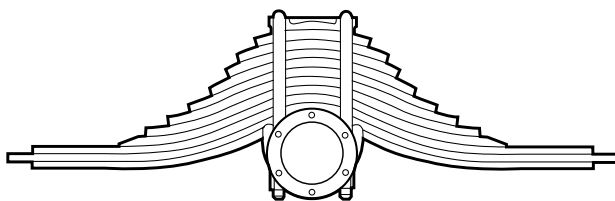
(Double Diaphragm Type)

Spring Release Mechanical

No. of Units Four (one unit per wheel)

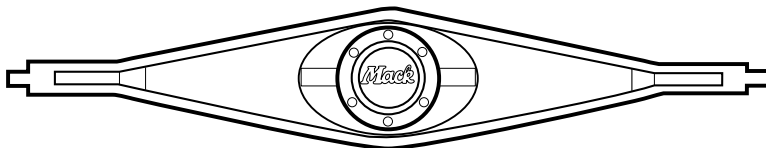


SUSPENSIONS



MULTILEAF CAMEL-BACK SPRING

MACK Unit Symbol	SB38
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

MACK Unit Symbol	SWB38
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

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.