



DETAIL SPECIFICATIONS

Rear Axle

MAKE: MACK

Axle Model	S582
Capacity	58,000 [26 300 kg]
Creep Rating, Pounds	75,000 [34 000 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:

w/Std. CRDPC150 - CRD151 Up to:	150,000 lbs. [68 182 kg]
w/Opt. CRDP202 - CRD203 Up to:	180,000 lbs. [81 818 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 (CRD1501-1511 CRD2021-2031)	Interwheel Power Divider
Optional	Driver Controlled, Air Assisted Interwheel Differential Lock, available on Front Rear, Rear Rear or Both Rears

Standard

Available Ratios:

3.11*; 3.25*; 3.40*; 3.56*; 3.79; 3.98; 4.19; 4.50*; 4.80; .5.04; 5.31; 5.66; (* are not available with Inter-wheel Power Divider)

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

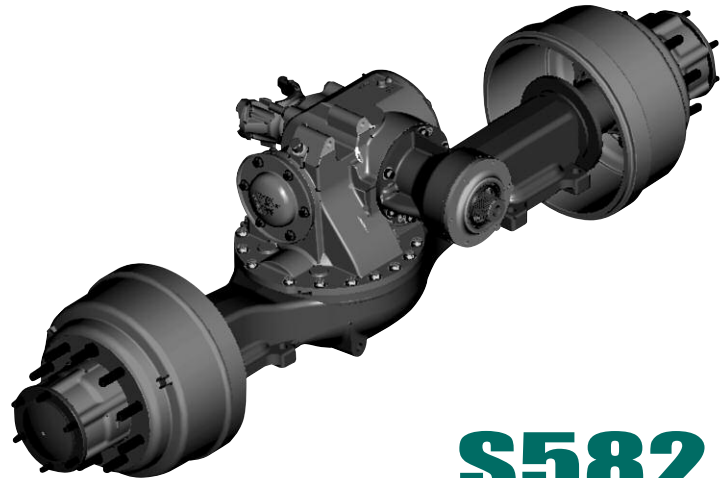
Available Ratios:

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.

Oil Capacity , pints	Carrier Bowl, each 26 [12.3L]
	Bevel gear compartment, each carrier
(150/151, 1501/1511)	8 [3.8L]
(202/203, 2021/2031)	8.5 [4.0L]

Inter-Axle Power Divider	1.0 [0.5L]
(150/1501)	1.0 [0.5L]
(202/2021)	1.5 [0.7L]
Drain Plugs	Magnetic



S582

58,000 LBS [26 300 kg]

Axle Housing, Type	Cast ductile iron with forged spindles pressed into housing
Diameter	Inner Bearing 4.0" [102 mm]
	Outer Bearing 4.0" [102 mm]
	Spindle Bore 2.75" [70 mm]

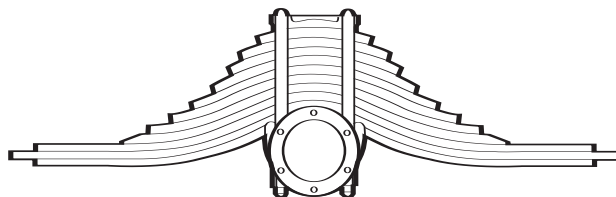
Axle Shafts, Type	Free splined both ends
Material	Induction Hardened Chromium Molybdenum Steel
Body Diameter	1.890" [48 mm]
Diameter over Splines	2.200" [56 mm]
Splines, Number & Type	43-Involute

Brakes	Service Brake
Type	"S" Cam
Actuation	Air
Lining Size, Dia.	18.0" [457 mm]
Width	7" [178 mm]
Lining Thickness	0.86" [22 mm]
Lining Area, Total	1,000 in ² [6 452 cm ²]
Chamber Size—Sq. In. Per Wheel	1 @ 30 [194 cm ²]
Slack Adjuster Length	5.5-6" [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



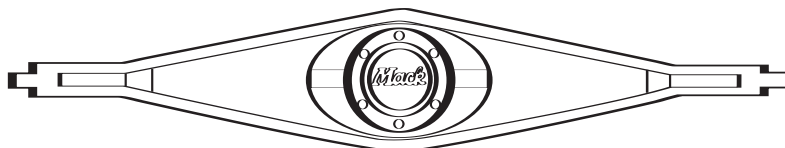
MULTILEAF CAMEL-BACK SPRING

MACK Unit Symbol	SS582
Mack Suspension Creep Rating	113,200 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)	58,000 [26 300 kg]
Load Centers	54" [1 372 mm]
Spring Centers (Chassis Width)	38.35" [972 mm]
Spring Width	5" [127 mm]
Number of Leaves & Thickness:	
Std. Spring	13 @ .788" [20 mm]
Anti-Sway	10 @ .1.00" [25 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	SW582
Mack Suspension Creep Rating	113,200 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)	58,000 [26 300 kg]
Load Centers	54" [1 372 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