

AUGUST 11, 2021

# PRODUCT SPOTLIGHT

## CHALMERS SUSPENSIONS



Chalmers walking beam-style tandem axle rear suspensions use two large elastomeric load springs and eight large torque rods, 4 upper and 4 lower. This design allows for a large degree of articulation so the load is equalized while keeping the tires in contact with the ground.

### ATRO load springs provide key benefits over rubber

- Resistant to chemicals (lime, corrosive solvents, road wash)
- Better load handling and ride characteristics than OEM rubber and other polyurethane brands
- Will not take a permanent compression set like rubber springs, keeping ride height accurate and driveline angles in spec

PART NUMBER	OEM PART NUMBER	AXLE RATING
LP19-24002	OEM #15002	20,000 lbs
LP19-24015	OEM #15015	15,000 lbs
LP19-24026	OEM #15026	26,000 lbs

### ATRO torque rod bushing options:

- 2-piece design – 32/suspension (PL1046, PL1047); oversized option is PL1049
- 1-piece design – 16/suspension (TH19-22010, TH19-22128); oversized option is TH19-22129

ATRO's 2-piece torque rod bushings make installation easier and faster. With limited installation clearance, 2-piece bushings are placed on each dowel pin on opposite sides and ends. Then the rod with the other halves loaded are positioned on the dowels. Finish the repair by placing and tightening the spigot cap.



**TECH TIP:** Change one rod at a time! Otherwise, axles will slide and make re-installation of rods very difficult.

BOLT SIZE	ASSEMBLY TORQUE FT. LBS.
3/8"	35
1/2"	65
5/8"	135
3/4"	250-280*

### WEAR ITEMS:

- Rubber load springs, subject to chemical attack will take a compression set over time. This negatively affects the vehicle's ride height, which puts the angle of the driveline out of OEM specs, resulting in other problems including U-joint and carrier bearing failures
- Torque rod bushings



Scan to learn more about the Chalmers Suspension



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PS018-101518revA

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Chalmers Suspensions	ATRO Load Cushion	ATRO Restrictor Can	TORQUE ROD BUSHING OPTIONS				
			Two-Piece Option	One-Piece Option	Oversize Option	Spigot Cap	Spigot Cap Bolt Kit
300 Trailer	LP19-24002 (8.0Hx9.5OD)	MS19-29028 Standard or MS19-29029 High Stability	PL1047	TH19-22128	TH19-22129	Type '0' MS19-29002	HW19-29200
500 Truck	LP19-24015 (8.0Hx8.5OD) LP19-24010 (8Hx7-OD)	N/A	PL1047	TH19-22128	TH19-22129	Type '0' MS19-29002	HW19-29200
600 Truck	LP19-24002 (8.0Hx9.5OD)	MS19-29028 Standard or MS19-29029 High Stability	PL1047	TH19-22128	TH19-22129	Type '0' MS19-29002	HW19-29200
700 Truck 46K	LP19-24002 (8.0Hx9.5OD)	MS19-29028 Standard or MS19-29029 High Stability	PL1047	TH19-22128	TH19-22129	Type '2' MS19-29055	HW19-29202
700 Truck 60K	LP19-24002 (8.0Hx9.5OD)	MS19-29028 Standard or MS19-29029 High Stability	PL1046	TH19-22010	PL1049	Type '2' MS19-29055	HW19-29202
800 Tandem 40K	LP19-24002 (8.0Hx9.5OD)	MS19-29028 Standard or MS19-29029 High Stability	PL1047	TH19-22128	TH19-22129	Type '1' MS19-29201	HW19-29201
800 Tandem 46K-50K-58K	LP19-24002 (8.0Hx9.5OD)	MS19-29028 Standard or MS19-29029 High Stability	PL1046	TH19-22010	PL1049	Type '2' MS19-29055	HW19-29202
800 Tandem 65K	LP19-24026 (8.0Hx10.75OD)	N/A	PL1046	TH19-22010	PL1049	Type '2' MS19-29055	HW19-29202
800 Tandem 80K	LP19-24026 (8.0Hx10.75OD)	N/A	PL1046	TH19-22010	PL1049	Type '2' MS19-29055	HW19-29202
800 Tandem 100K	LP19-24026 (8.0Hx10.75OD)	N/A	PL1046	TH19-22010	PL1049	Type '2' MS19-29055	HW19-29202
1000 Single Axle 23K	LP19-24010 (8Hx7-OD)	N/A	PL1047	TH19-22128	TH19-22129	Type '1' MS19-29201	HW19-29201
1000 Single Axle 30K	LP19-24015 (8.0Hx8.5OD)	N/A	PL1046	TH19-22010	PL1049	Type '2' MS19-29055	HW19-29202



**KITS AVAILABLE**

**KT19-22000** - 16 each PL1047 • **KT19-22001** - 32 each PL1047  
**KT19-22002** - 16 each PL1046 • **KT19-22003** - 32 each PL1046

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