

**DETROIT DIESEL**  
DEMAND PERFORMANCE™

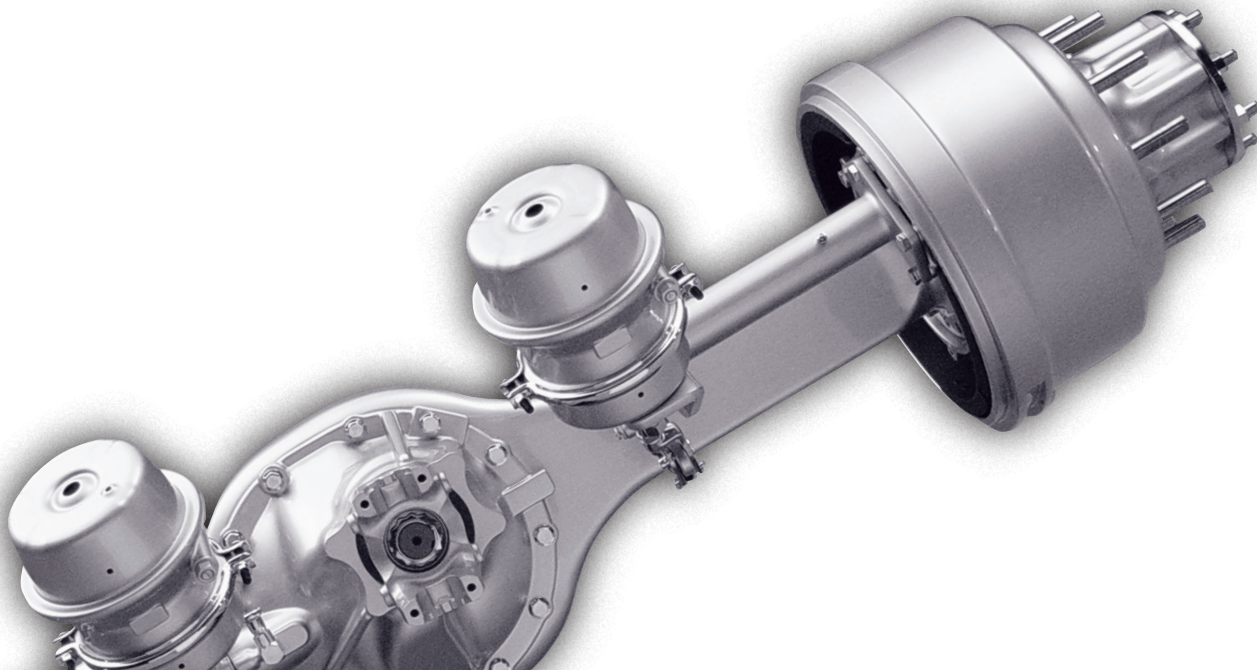
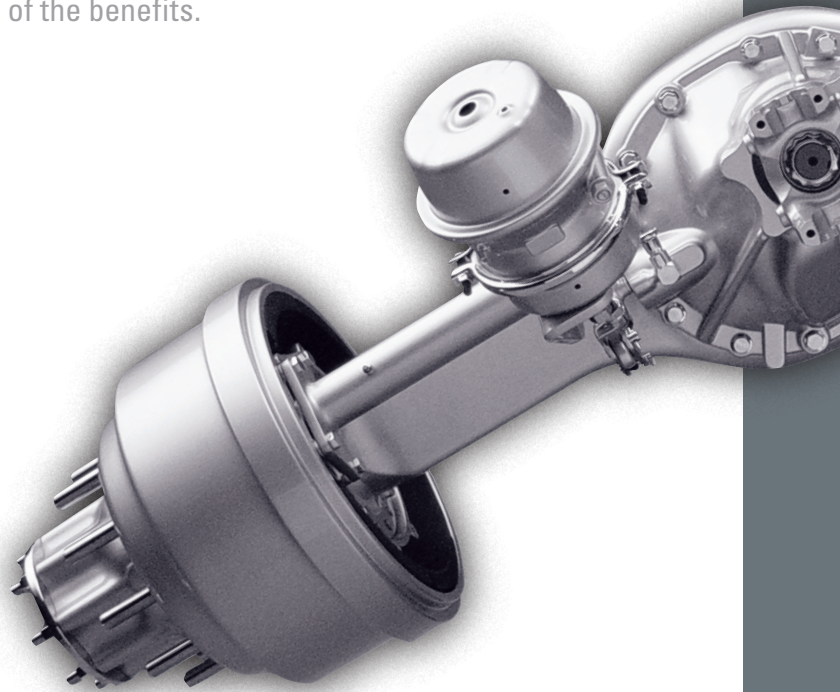


## DRIVE AXLES Weight Ratings 13,000-23,000 lb.

Backed by many years of manufacturing expertise, these innovative axles provide market-leading performance and value. Here are some of the benefits.

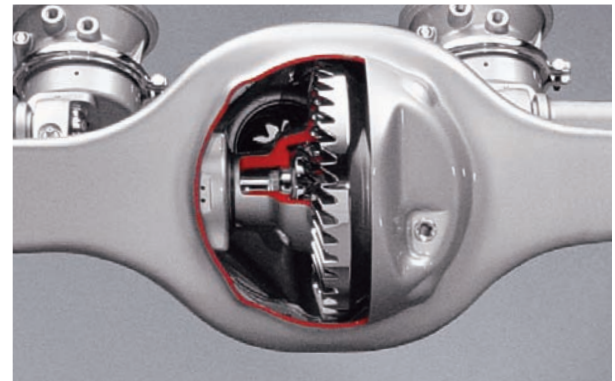
### Dependability that Keeps You on the Road

- Significant weight advantage – up to 128 lb. less than the competition (model 2)
- Increased ground clearance (model 2)
- Quiet operation due to ground gear set
- Ground gear set allows higher torque applications
- Easy maintenance and less oil capacity reduce the life cycle cost
- No pinion head bearing allows the use of a larger differential
- Accepts all brakes offered in the Freightliner and Sterling Data Books
- Warranty – two years, unlimited miles



# DRIVE AXLES

Detroit Diesel's proprietary single rear axles are more than durable. They're precise. We precision grind the gears for more efficient operation. Significantly reduces weight to increase fuel efficiency and maximize payloads. It all adds up to greater drive strength and a longer, more reliable gear life.



Proprietary precision machining provides quiet operation and higher performance.

### UNDERSTANDING A MODEL CODE



**Weight Ratings:** **ARS-13.0-2, ARS-15.0-2, ARS-17.5-2, ARS-19.0-2, ARS-21.0-2, ARS-17.5-4, ARS-19.0-4, ARS-20.0-4, ARS-21.0-4, ARS-23.0-4**

## Drive Axle Specifications

Model Code	Data Book Code	Capacity lb. (kg)	Weight lb. (kg)	Ring Gear Size in. (mm)	Oil Capacity qt. (l)	Maximum Torque lb-ft	Available Ratios
ARS-13.0-2	420-1C3 Hydraulic Brakes	13,000 (5896)	421 (191)	12.8 (325)	7.4 (7)	860 <sup>1</sup>	2.923
ARS-15.0-2	420-1CY Hydraulic Brakes	15,000 (6803)	421 (191)	12.8 (325)	7.4 (7)	860 <sup>1</sup>	3.154
ARS-17.5-2	420-1C4 Hydraulic Brakes 420-1C6 Air Brakes	17,500 (7937)	440 (200)	12.8 (325)	7.4 (7)	860 <sup>1</sup>	3.636 3.909
ARS-19.0-2	420-1GJ Hydraulic Brakes 420-1F9 Air Brakes	19,000 (8617)	440 (200)	12.8 (325)	7.4 (7)	860 <sup>1</sup>	4.100 4.300 4.556
ARS-21.0-2 <sup>2</sup>	420-1GX Air Brakes	21,000 (9524)	465 (211)	12.8 (325)	7.4 (7)	860 <sup>1</sup>	4.778 5.125 5.714 6.143
ARS-17.5-4	420-1GG Hydraulic Brakes 420-1GH Air Brakes	17,500 (7937)	555 (252)	15.35 (390)	12.7 (12)	1100 <sup>1</sup>	2.846 3.077
ARS-19.0-4	420-1C5 Hydraulic Brakes 420-1C7 Air Brakes	19,000 (8617)	555 (252)	15.35 (390)	12.7 (12)	1100 <sup>1</sup>	3.308 3.583
ARS-20.0-4	420-1G7 Hydraulic Brakes or Air Brakes	20,000 (9070)	570 (259)	15.35 (390)	12.7 (12)	1100 <sup>1</sup>	3.909 4.300 4.778
ARS-21.0-4	420-1C8 Hydraulic Brakes or Air Brakes	21,000 (9524)	570 (259)	15.35 (390)	12.7 (12)	1100 <sup>1</sup>	5.222 5.875 6.143
ARS-23.0-4	420-1GK Hydraulic Brakes or Air Brakes	23,000 (10431)	579 (263)	15.35 (390)	12.7 (12)	1100 <sup>1</sup>	6.857

<sup>1</sup> Dependent on application and selected ratio.

<sup>2</sup> Requires specific application approval.



For more information, call 1-800-445-1980. [www.DetroitDiesel.com](http://www.DetroitDiesel.com)

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