

Spicer® D190 Series Single Reduction Heavy-Duty Tandem Drive Axles



SPICER®
Drivetrain Products

52,000 lbs. (23,587 kg) – 60,000 lbs. (27,216 kg)

Introducing a new family of single reduction, heavy-duty tandems for vocational applications from 52,000 lbs. (23,587 kg) to 60,000 lbs. (27,216 kg) GAWR.

The new D190 Series tandems are ideal for construction, heavy haul, logging, oil field, refuse, and other demanding vocational applications.



FEATURES	BENEFITS
Ratio coverage from 3.42 through 7.17:1.	Broad ratio coverage allows maximum performance across a variety of vocations.
Extra wide face-width gearing.	Greater strength for added durability.
High capacity gearing and bearing system.	Durability and reliability with higher horsepower/ torque engines.
On-demand high efficiency lube pump.	Added spin-out protection, lower operating temperature.
Forged, heat-treated steel differential cases.	Significantly stronger for increased gear and bearing life.
16 large, fine-pitch, M20 bolt ring gear fasteners.	High clamp load for reliable performance.
Integrated ring gear and wheel differential mounting system.	Eliminates bolted joint for improved reliability.
Large wheel differential gearing.	Maximum strength, higher power density.
Integral pinion cage and carrier.	Added strength and eliminates a leak path.
Strongest axle housing box section in its class.	Added strength with less deflection.

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Specifications:

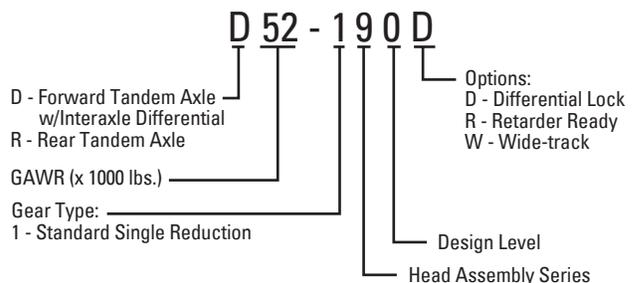
MODEL	GAWR (LBS.)	NOMINAL GCW (LBS.)*	RATIOS
D52-190	52,000 (23,587 kg)	225,000 (102,058 kg)	3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.78, 5.25, 5.38, 5.57, 6.14, 6.83, 7.17
D60-190	60,000 (27,216 kg)	225,000 (102,058 kg)	

* *Varies by duty cycle.*

A full range of available options for optimal operation and durability with less required maintenance.

- Driver-controlled wheel differential lock for maximum traction. Available on both forward and rear axle.
- Wheel differential lock feature can be field retrofitted throughout the life of the vehicle.
- Carrier integrated retarder mount means more drivetrain options with increased strength, brake performance, and reduced complexity.
- Wide-track axles for maximum stability.
- Patented axle breather design allows unrestricted air flow – a no maintenance feature.
- Integral welded suspension brackets for increased strength and durability.

Nomenclature:



Extra wide face-width gearing provides greater strength for increased durability at higher loads.



Larger wheel differential gearing means maximum strength and reliability.



Patented, on-demand lube pump for optimal spin-out protection without the added heat.

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Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.