

Spicer® S140 Series

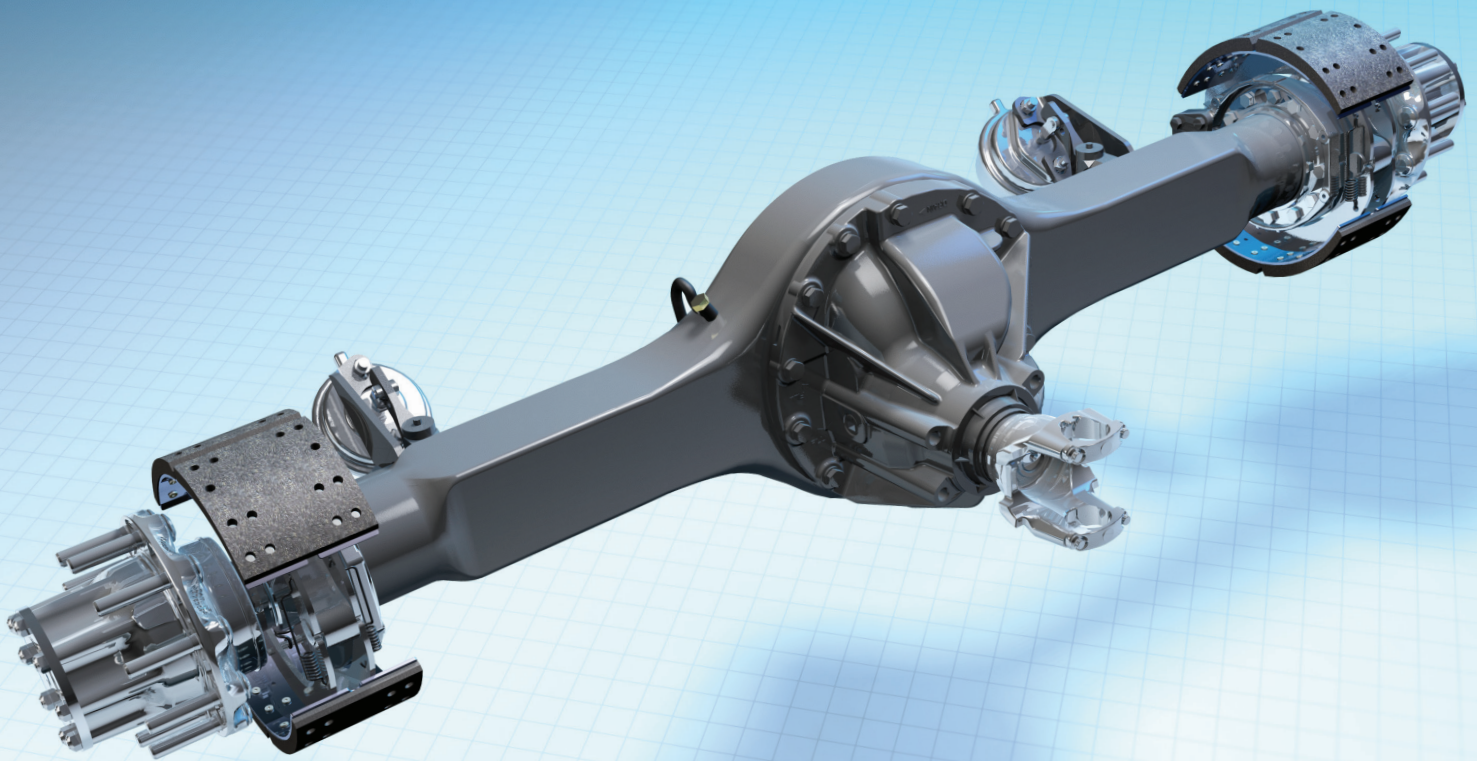
Medium-Duty Single Reduction Single Drive Axles

Engineered specifically for a wide range of straight truck applications up to 21,000 lbs. (9,525 kg) GAWR

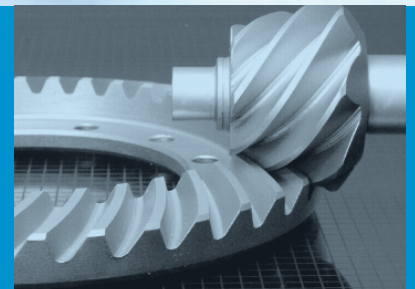


SPICER®

Drivetrain Products



Designed for medium-duty applications, the Spicer® S140 axle features best-in-class GenTech™ gearing, which delivers automotive-level noise quality for pickup and delivery, school bus, midi bus, motor home, municipal, and utility applications.



Spicer® S140 Series

Medium-Duty Single Reduction Single Drive Axles

The Spicer® S140 single reduction drive axle is lightweight and packed with features that reduce installation and life cycle costs. This axle also improves reliability and vehicle maneuverability, and decreases noise, vibration, and harshness (NVH).

Features	Benefits
Ratio coverage from 3.31 to 6.50:1	Broad ratio coverage allows maximum performance across a variety of vocations and applications
Premium GenTech™ gearing standard (on designated models)	Reduced NVH in all applications; 12dB quieter when measured at coasting speeds against a Spicer 17060 Series axle
High-Power Density™ (HPD™) through high-capacity gearing and bearing system	Durability and reliability with higher horsepower/torque engines
Optimized gear size with wide face width	Greater gear strength and load carrying capacity within a smaller axle
Standard housing box and wheel equipment	Ease of fit-up
Integrated ring gear and wheel differential mounting system	Eliminates bolted joint for improved reliability
Large wheel differential gearing	Maximum strength, High-Power Density™ (HPD™)
Integral pinion cage and carrier	Added strength and eliminates a potential leak path
Strong, lightweight, hot forged square edge steel housing	Increased ground and chassis clearance with greater payload and fuel economy
Park brake mounting	Reduced complexity and installation costs
Optional electromagnetic retarder	Improved braking, reduced complexity and weight
Improved wheel differential	Added protection against spinout
23 mm (approximately 1 inch) ground clearance	Improved vehicle maneuverability

Specifications

MODEL	GAWR lbs. (kg)	NOMINAL GCW lbs. (kg)	RATIOS
S17-140	17,000 (7,711)	50,000 (22,680)	3.31, 3.36, 3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.88, 5.29, 5.57, 6.14, 6.50
S19-140	19,000 (8,618)		
S20-140	20,000 (9,071)		
S21-140	21,000 (9,525)		



Product Benefits:

- Automatic traction engagement, no driver intervention required
- No wiring or pneumatic connections
- Superior lifetime torque bias performance
- No special lubricants or friction modifiers required
- Smooth and transparent to the driver
- Limits wheel-slip rather than fully locking the differential for improved vehicle maneuverability
- Lightweight and compact design
- Retrofittable with existing S140 axles

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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.