

Spicer® S172 Heavy-Duty Single Drive Axle

Robust and durable single drive axle for Class 7 and 8 applications



SPICER®

Drivetrain Products



Lightweight, durable, reliable, and efficient single drive axle.

Designed for 4x2, 6x2, and 8x2 applications up to 25,000 lbs. (11,340 kg) GAWR, this new single drive axle is over 60 pounds (27.2 kg) lighter than its predecessor without compromising performance and durability required for heavy-duty applications.

Spicer® S172 Heavy-Duty Single Drive Axle



Lightweight without compromising strength

Today, customers are looking for a lighter weight drive axle that provides reliability, strength, and efficiency. They'll find it here.

Product benefits include:

- Broad range of gear ratios, 3.07 to 6.14, supporting a variety of vocations
- Wide-face, High-Power Density™ AdvanTEK® gearing maximizes strength while reducing weight
- Low hypoid offset designed to maximize strength and improve efficiency while providing lower noise, vibration, and harshness (NVH)
- Ideally paired with a tag axle for use in the EconoTrek™ 6x2 tandem axle, providing weight savings of up to 380 pounds versus standard 6x4 tandem axles
- FE and XFE lube can be specified to further boost fuel economy



LIGHTWEIGHT

With over 60 pounds (27.2 kg) of weight savings, this new single axle is lightweight without compromising performance and durability.



REDUCED MAINTENANCE COSTS

A reliable, passive lube management system requires less lube while utilizing a patented lube meter to optimize the amount of lube flow to the high-efficiency bearings.



GREATER EFFICIENCY

Stronger bearings designed to reduce friction and spin loss and increase long-term durability.

Optional Features

- Heavy-duty wall designs for severe-service applications
- Integrated, driver-controlled wheel differential lock for maximum traction and spin-out protection
- SelectTrac™ option enables use of dual or single-wide-based tires

Axle Specifications

Axle Model	Ratings		Ratios	Axle Shaft			Nominal Ring Gear Diameter in. [mm]	Axle Housing			Spindle Type	Options				
	Max. GAW lbs. [kg]	Max. GCW HWY lbs. [kg]		Body Diameter in. [mm]	Number of Splines	Spline Diameter in. [mm]		Box Section Width in. [mm]	Box Section Height in. [mm]	Wall thickness at spring seat in. [mm]		LMS™ Hub	Central Tire Inflation System (CTIS)	Differential Lock	Electromagnetic Retarder	No Spin Differential
S21-172	21,000 [9,525]	100,000 [45,359]	3.07, 3.21, 3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.78, 5.25, 5.38, 5.57, 6.14	2.06 [52]	46	2.35 [60]	17.3 [440]	4.61 [117]	5.24 [134]	0.43 [11]	R					
S23-172	23,000 [10,433]			2.25 [57]								0.50 [12.5]				
S25-172	25,000 [11,340]															

To learn more about the unique global applications of Dana's latest axle innovation, visit dana.com/cv

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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.