

Spicer® Single Reduction Single Drive Axles

S170 Series

S190 Series

21,000 lbs. [9,525 kg] – 30,000 lbs. [13,608 kg]

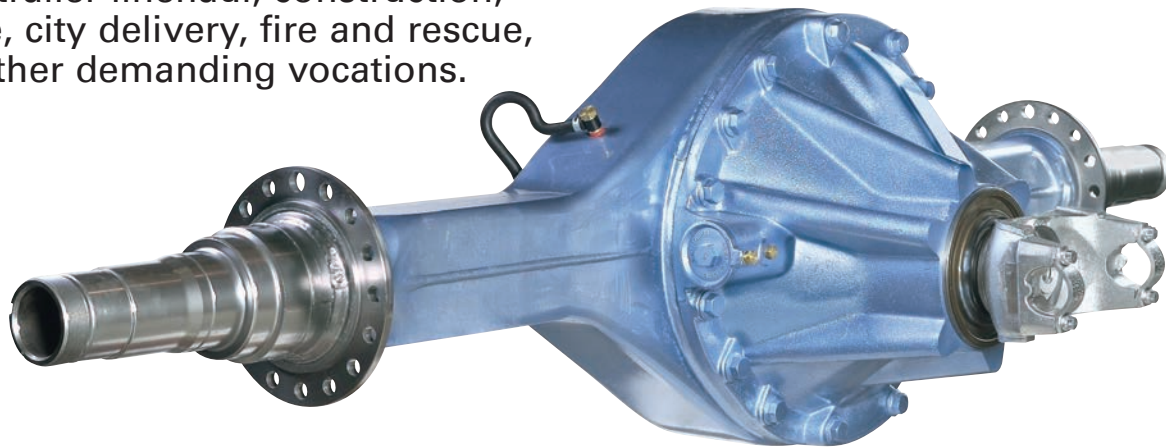


SPICER®

Drivetrain Products

Single reduction axles ideally suited for a variety of vocational applications from 21,000 to 30,000 lbs. GAWR.

The S170 and S190 series axles are designed to handle LTL, double and triple trailer linehaul, construction, refuse, city delivery, fire and rescue, and other demanding vocations.



FEATURES

Ratio coverage from 2.53 to 7.83:1. See back for specific model coverage.

Extra wide face-width gearing.

High capacity gearing and bearing system.

Forged, heat-treated steel differential cases.

16 large, fine-pitch, M20 bolt ring gear fasteners.

Integrated ring gear and wheel differential mounting system.

Large wheel differential gearing.

Integral pinion cage and carrier.

Strong, light weight, asymmetric housing for 21,000 through 26,000 lb. axles.

BENEFITS

Broad ratio coverage allows maximum performance across a variety of vocations.

Greater strength for added durability.

Durability and reliability with higher horsepower/torque engines.

Significantly stronger for increased gear and bearing life.

High clampload for reliable performance.

Eliminates bolted joint for improved reliability.

Maximum strength, higher power density.

Added strength and eliminates a leak path.

Added strength with less deflection.

Spicer® S170 and S190 Series Single Reduction Single Drive Axles

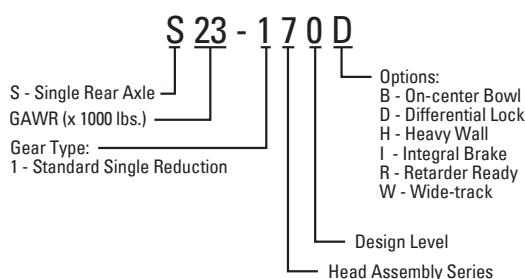
Specifications:

MODEL	GAWR (LBS.)	NOMINAL GCW (LBS.)	RATIOS
S21-170	21,000	100,000	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,
S23-170	23,000	100,000	6.14, 6.83, 7.17
S25-170	25,000	100,000	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
S23-190	23,000	125,000	2.53, 2.69, 2.87, 2.93, 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, 6.83, 7.17, 7.83
S26-190	26,000	125,000	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,
S30-190	30,000	125,000	7.83

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

- Driver-controlled wheel differential lock for maximum traction.
- Large differential lock clutch teeth for increased strength and durability.
- Carrier integrated retarder mount means more drivetrain options with increased strength and durability.
- Wide-track axle for super single tires and maximum stability.
- Patented axle breather design allows unrestricted air flow – a no maintenance feature.
- Integral welded suspension brackets for increased strength and durability.
- LMS™ and UHS hub options for reduced cost and maintenance.
- 250,000 mile initial lube drain with Dana approved lubricants for reduced maintenance.
- Factory welded sensor blocks for anti-lock braking systems.

Nomenclature:



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



Larger wheel differential gearing means maximum strength and high power density.

For spec'ing or service assistance, call 1-877-777-5360 or visit our website at www.dana.com

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