

Spicer® Single Reduction and Double Reduction Single Drive Axles for Fire and Rescue

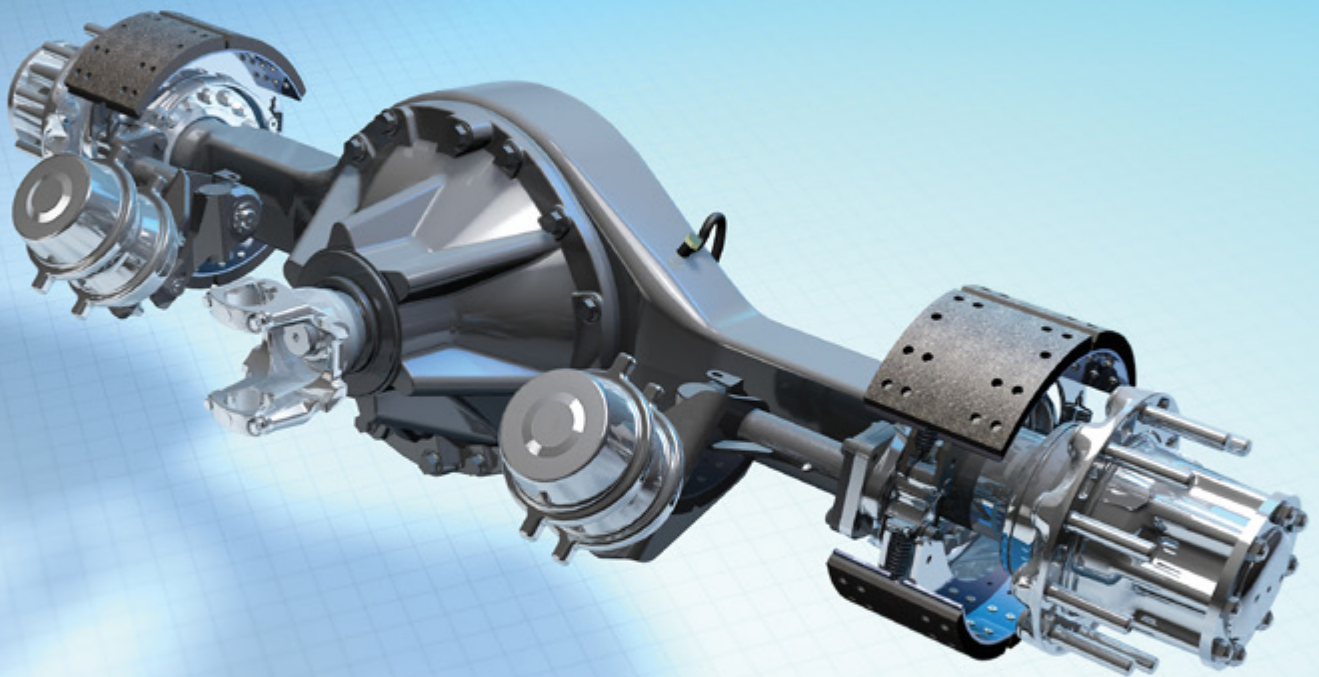
S35-190FT and S35-590FT

35,000-lb. capacity



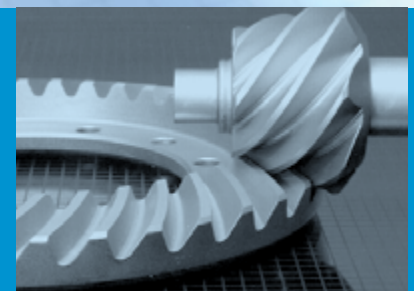
SPICER®

Drivetrain Products



Single and double reduction single drive axles for fire and rescue provide best-in-class durability while optimizing axle weight.

S35-190FT and S35-590FT axles are designed to handle the higher GVW of combined aerial pumper trucks that require a higher axle capacity while delivering a tighter turning radius.



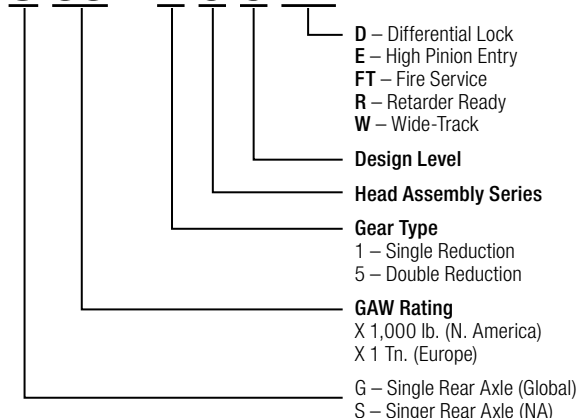
Spicer Single Reduction and Double Reduction Single Drive Axles for Fire and Rescue

Durability with less required maintenance:

FEATURES	BENEFITS
Best-in-class durability	Uses highest gauge steel with housing wall thickness of 16 mm
Venturi cover	Minimizes lube volume and optimizes lube flow
35,000-lb. capability	Supports higher GVW of combined pumper and ladder trucks, as well as added equipment
76-lb. weight savings over S35-590 axle	Improved economy without compromising strength
Tighter turning radius	Improved vehicle maneuverability
5-year/unlimited-miles standard product warranty*	Best-in-class Spicer quality and durability
Ease of service	Axle housings, seals, yokes, differential lock shift unit components, axle shafts, and external fasteners can be serviced individually

* Warranty applies to Fire Service applications only. See Dana Warranty Guide (CVWG-0900) for additional terms and conditions.

S 35 - 1 9 0 FT



- 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
- Patented axle breather design allows unrestricted air flow – a no-maintenance feature
- Integral welded suspension brackets for increased strength and durability
- LMSTM 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

Axle Specifications

Axle Model	Ratings		Ratios	Axle Shaft			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]		Differential Lock	Electromagnetic Retarder
S35-190FT	35,000 [15,875]	53,000 [24,040]	3.42, 3.58, 3.73, 3.91, 4.10, 4.30, 4.56, 4.78, 5.25, 5.38, 5.57, 6.14	2.24 [57]	46	2.35 [59.6]	5.32 [135]	5.91 [150]	0.63 [16]	W	Yes	Yes
S35-190EFT							5.47 [139]	6.74 [171]	0.87 [22]			
S35-590FT		58,000 [26,308]	4.75, 4.99, 5.19, 5.44, 5.70, 5.98, 6.34, 6.65				5.47 [139]	6.74 [171]	0.87 [22]			
S35-590												

Available range of fabricated housing track widths includes 1,835 mm [72.30 in.] standard track and 2,036 mm [80.20 in.] wide-track, which is NOT available at 35,000-lb. GAWR. Track width availability varies with wheel and brake equipment. Contact Dana Application Engineering for specific availability.

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SPICER[®]

Drivetrain Products

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.