

Spicer® Heavy-Duty Tridem Axles



SPICER®

Drivetrain Products

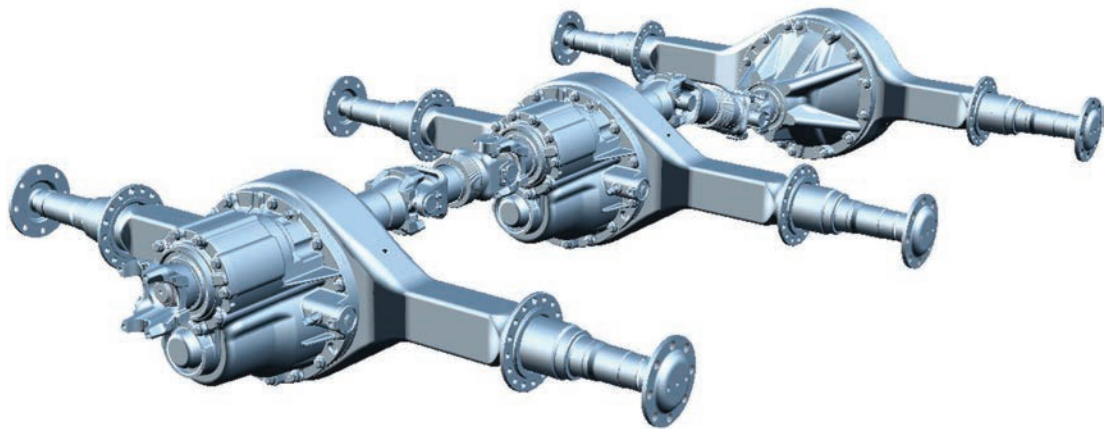
T69-170HP T78-590P

T78-190P

160,000 lbs. [72,575 kg] – 240,000 lbs. [108,862 kg]

Heavy Duty Tridem Axles for On/Off and Off-Highway Operations.

Ideally suited for demanding vocational applications including construction, heavy haul, logging, oil field, and mining.



Features

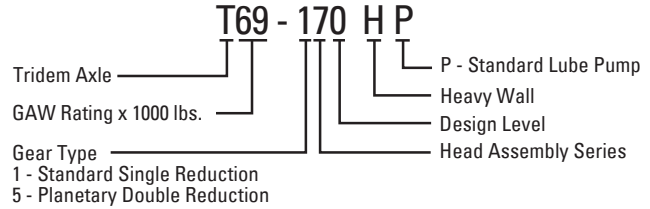
- Broad ratio coverage for optimum performance across a variety of vocations.
- Designed for greater strength to maximize durability and reliability in even the toughest applications, including:
 - Extra wide face-width primary and helical gearing.
 - High capacity bearing and gearing systems.
 - An integrated ring gear and wheel differential mounting system that eliminates bolted joints.
 - Large wheel differential gearing.
 - An integral pinion cage and carrier that also eliminates a potential leak path.
 - Heat-treated steel differential cases for strength and wear resistance.
 - Heavy wall housings.
- Dana patented exclusives include:
 - A threaded input adjuster that precisely sets end play in the power divider without the use of shims, eliminating a potential leak path and improving reliability.
 - A hypoid gearing design that improves interaxle driveline angles to minimize vibration.
 - An on-demand lube pump that reduces temperatures as much as ten percent, extending lubricant life and reducing internal friction and wear.
 - Threaded differential bearings with integrated adjusters that maximize life by providing continuous adjustments and allowing precise settings of gears and bearings.
- Options include driver-controlled wheel differential lock for maximum traction over slippery, loose or uneven surfaces.

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Available Options Include:

- Driver-controlled wheel differential lock for maximum traction. For T78-190P and T78-590P models, the wheel differential lock feature can be retrofitted even after the vehicle is built or in use.
- Carrier integrated retarder mount means more drivetrain options with increased strength, brake performance, and reduced complexity.
- Wide-track axles available for improved stability.

Nomenclature



Specifications

MODEL SERIES	MAX. GAW RATING (HIGHWAY)*	RATIOS
T69-170HP	160,000 lbs.	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
T78-190P	240,000 lbs.	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
T78-590P	240,000 lbs.	4.75, 4.99, 5.19, 5.44, 5.70, 5.98, 6.34, 6.65, 7.30, 7.48, 7.75, 8.55, 9.51, 9.97, 10.90

*Ratings vary by ratio and duty cycle. Refer to publication AXAG0200 or contact Dana CVS Application Engineering for more information.



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.

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

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