Spicer®
Heavy-Duty
Tri Drive Axles

T78-190P

The family of
heavy-duty tri drive
axles for applications up
to 176.5 Tonnes GCM*

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 maximise
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 minimise vibration.
  - An on-demand lube pump that reduces
    temperatures as much as ten percent,
    extending lubricant life and reducing internal
    friction and wear.

• Options include driver-controlled wheel
  differential lock for maximum traction over
  slippery, loose or uneven surfaces.

*176.5 tonnes available only with written application approved by Dana.
Spicer® Heavy Duty
Tri Drive Axles

Specifications:

<table>
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<tr>
<th>MODEL</th>
<th>MAX GAW RATING (HIGHWAY)*</th>
<th>RATIOS</th>
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<tbody>
<tr>
<td>T78-190P</td>
<td>35, 380kgs</td>
<td>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</td>
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*Ratings vary by ratio and duty cycle. Refer to publication AXAG0200 or contact Dana CVS Application Engineering for more information.

Available Options Include:

- Driver-controlled wheel differential lock for maximum traction. For T78-190P, 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.

Nomenclature:

- Tridem Axle
- GAW Rating x 1000 lbs.
- Gear Type
  1 - Standard Single Reduction
  5 - Planetary Double Reduction
- Design Level
- Head Assembly Series
- P - Standard Lube Pump

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

Patented, on-demand lube pump for optimal spin-out protection without the added heat.

Larger wheel differential gearing means maximum strength and reliability over previous models.