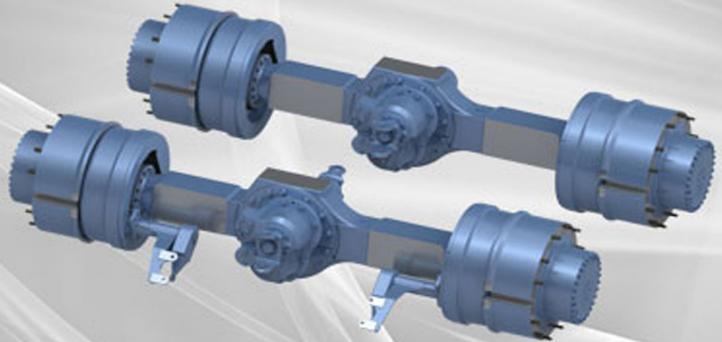




AxleTech[®]
International
A GENERAL DYNAMICS COMPANY

Planetary Rigid Tandem Axles SPRC1735 (105K lbs / 47.6 t)



OVERVIEW

The AxleTech International SPRC1735 series tandem planetary rigid axles are engineered to meet the extra toughness demanded by the OEM's in today's demanding environment. When you couple rough terrain with heavy loads and adverse weather conditions, you need the strength and support of AxleTech International's planetary tandem axles. The SPRC1735 has the capability to meet the most severe vocational duty cycles and provide productivity uptime that converts directly to the end-user productivity.

Log haulers, truck cranes, heavy equipment transporters, and special purpose vehicles work in some of the most grueling environments in the world. AxleTech tandem planetary axles are designed with these conditions in mind. The SPRC1735 has capability of up to 500,000 lbs. (226,800 kgs.) in gross combination weights (GCW) dependent upon specific vocational duty cycle requirements. A balanced gearing design puts more power at the wheel ends. This reduces torque and stress on axle shafts and carrier/differential gearing, directly contributing to longer component life and reduced maintenance costs.

The SPRC1735 has a wide selection of features, both standard and optional, available to provide the heavy-duty tandem that is able to be optimized for your specific vocational requirements and makes this tandem the product of choice. A listing of standard features include high capacity hypoid gearing, crowned planet gears, and rugged high strength steel axle housings. Optional features that include high capacity cam brakes, carrier differential options, inter-axle differential with a pressurized oil lubrication system, oil filter mounted on carrier housing, single or dual style wheel hub mountings, and a wide range of overall axle ratios are available to be allow you to optimize the SPRC1735 to your specific vocational requirements.

In addition, extra axle housing magnets provide for reduced metallic contamination between oil lubrication intervals.

AxleTech's special axle shaft manufacturing process produces high strength and shock resistant axle shafts to withstand the torsional stress requirements of large engines and transmission low gear operations.

AxleTech International is the former Rockwell® Off Highway and European Specialty Products Group.

www.axletech.com

SPECIFICATIONS

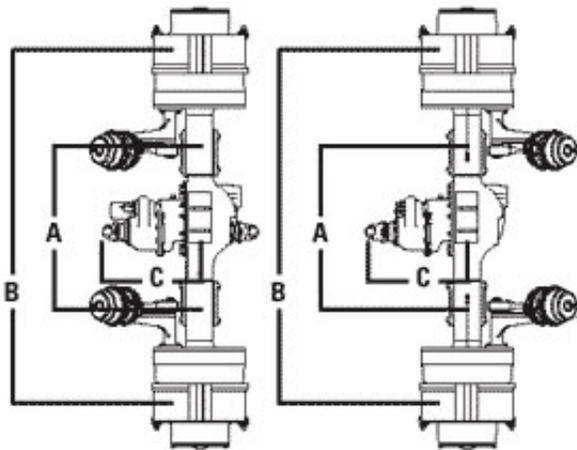
| TANDEM AXLE CAPACITY ⁽¹⁾ Pounds (kg) | AVAILABLE DIFFERENTIALS | DIFFERENTIAL RING GEAR DIAMETER AND FACE WIDTH Inches (mm) | AVAILABLE OVERALL RATIOS |
|--|-------------------------|---|-------------------------------|
| Special Purpose 85,000 (38,600) | Standard or NoSPIN® | SQHP Series 15.0" (381) 2.12" (54) | SQHP Carrier 9.1 -33.0:1.0 |
| Truck Crane 105,000 (47,600) | | | |
| Log Hauler 85,000(38,600) | | | |

| A BEAM HANGER CENTERS * Inches (mm) | B TRACK* ⁽²⁾ Inches (mm) | TIRE SIZE Inches (mm) | BRAKES Inches (mm) | PLANETARY WHEEL-END RATIO |
|--|--|--------------------------|---|---------------------------|
| 41.5" (1,054) 51.5" (1,308) 57.5" (1,461) | 85" (2,159) 90" (2,286) 100" (2,540) | 20" (508) 24" (610) | 16.5" x 7.0" i.P1" (419 x 178) 20.25" x 7.0" "P" (514 x 178) | 3.60:1.0 4.235:1.0 |

* Other Dimensions Available

(1) Approval required on all applications.

NoSPIN® is a registered trademark of Tractech, Inc.



EXAMPLE: TYPICAL TANDEM AXLE WEIGHT

SPRC1735 with 85" (2,159 mm) Track

With a 16.5" x 7.0" "P" (419 x 178 mm) brakes = 5,930 lbs. (2,690 kg.)

OIL CAPACITY: (Estimated)

Carrier 40 pints (18.9 liters)

Wheel End 18 pints (8.5 liters)

A) Beam Hanger Centers

B) Track

C) Forward Carrier Standout with 18N Yoke = 22.38" (568 mm)

Rear Carrier Standout with 17N Yoke = 23.44" (595 mm)

FEATURES & BENEFITS

| FEATURES | BENEFITS |
|--|---|
| Heavy-duty AxleTech cam Brakes | Provides high braking torque capacity and dependability |
| Rectangular shaped cast steel axle housings | Provides high tandem axle load capacity |
| Wide range of overall axle ratios available | Provides OEM flexibility to select optimum axle ratio for intended vocational usage |
| Differential options available | Available for heavy-duty traction requirements |
| Front mounted double reduction carriers | Provides ease of service |
| High capacity hypoid gearing | Greater torque capability than spiral bevel gearing |
| Crowned planet gears | Ensures uniform gear contact under severe low gear requirements |
| Planet gears on taper bearings | Provides for strong wheel end design |
| Inter-axle differential and pressurized oil lubrication system available in the SQHP carrier. Available with oil filter as option. | Virtually eliminates potential spin out in forward/reverse directions |
| Additional axle housing magnets standard | Assists in metallic contamination removal between lubrication intervals |
| Dual and single tire hubs options available | Provides flexibility to OEM vehicle configurations |

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