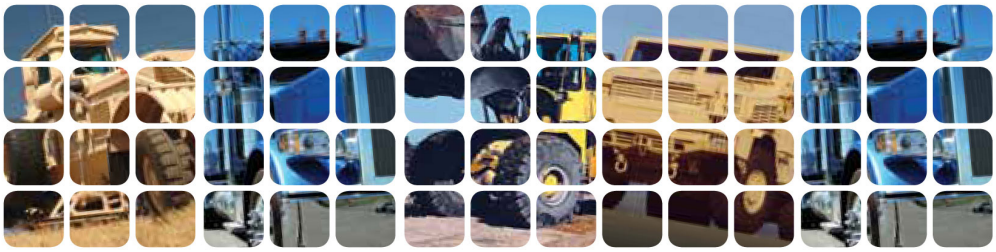

AxleTech International
A GENERAL DYNAMICS COMPANY

Planetary Steer Axles

PSC1485 (60K lbs / 27.2 t)

OVERVIEW

The AxleTech International PSC1485 series planetary steer axle is engineered to meet the increasing powerful demands of the heavy duty Aircraft, Tow Tractor and Reach Truck market vocations. With an axle capacity range up to 60,000 lbs. (27,200 kg.), this axle has the capacity for the vehicle vocational requirements. The PSC1485 planetary steer axle series offers a wide selection of overall gear reduction options that can be tailored to your specific needs.

Engineered for compatibility with demanding traction conditions, the PSC1485 meets the trend of increased driveline torque, tire sizes, and loading requirements that provide an extra ruggedness for prolonged life. A standard differential and NoSPIN® differential options are also available for improved traction vocational requirements.

The PSC1485 design helps reduce OEM/end-user maintenance costs. Permanently lubricated steering axle shafts are standard; eliminating this maintenance requirement. Extra axle housing magnets are optional to help reduce any metallic contamination between scheduled lubricant change intervals. Wheel mounted dual caliper/wheel end 4 piston/caliber Hydraulic Dry Disk are available. Carrier input pinion mounted spring apply/hydraulic release park brake on a 19.0" (482.6mm) rotor options are also available. AxleTech International planetary steer axles are tough, dependable, and thoroughly proven under the most severe conditions.

AxleTech International is the former Rockwell Off Highway and European Specialty Groups.

SPECIFICATIONS

(1) AXLE CAPACITY Pounds (kg)	AVAILABLE DIFFERENTIALS	DIFFERENTIAL RING GEAR DIAMETER AND FACE WIDTH Inches (mm)	AVAILABLE OVERALL RATIOS
Reach Truck 46,000 (20,800) Tow Tractor 60,000 (27,200)	Standard or NoSPIN®	R155 Series 16.63" (422.3) 2.0" (50.8)	21.3-32.08:1.0

(A) AXLE MOUNTING CENTERS Inches (mm)	(B) HUB FLANGE TO FLANGE Inches (mm)	TIRE SIZE Inches (mm)	BRAKES Inches (mm)	PLANETARY WHEEL-END RATIO	D KING PIN INTERSECTION Inches (mm)
34.0" (864) 38.5" (978)	90.75" (2305) 96.5" (2451)	25" (635)	18.5" x .63" HDB (470 x 16)	5.20:1.0	67.25" (1708) 73.0" (1854)
					(1) Approval required on all applications.

EXAMPLE: TYPICAL AXLE WEIGHT
PSC1485 with 90.75" (2,305 mm) hub flange to flange and HDB Brakes = 3,400 lbs. (1,543 kg)

OIL CAPACITY: (Estimated)
Carrier 42 pints (20 liters)
Wheel end 7 pints (3.33 liters) each

A) Axle Mounting Centers
B) Hub Flange to Flange
C) Carrier Standout with 72N Input Flange 17.46" (443.5mm)
D) King Pin Intersection

FEATURES & BENEFITS

FEATURES	BENEFITS
High-capacity hypoid gearing	Greater torque capability than spiral bevel gearing
Wide axle ratio range	Match customer vocation requirements
Thrust screw in carrier standard	Provides ring gear support in high torque loadings
Straight tie rod standard	Provides additional protection from external

	damage
Optional dual 4 piston calipers per wheel end on 19.0" (487.6mm) rotor	Offers high brake stopping performance option
Multiple axle tracks possible with integral steer with under mounting option	Provides greater flexibility to meet OEM design requirements
Supplemental axle magnets optional in axle housing	Reduced metallic contamination between lubrication change intervals
Optional input mounted park brakes available 1270 Spring Activated Hydraulic Release Disk	Provides optional vehicle parking on axle

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