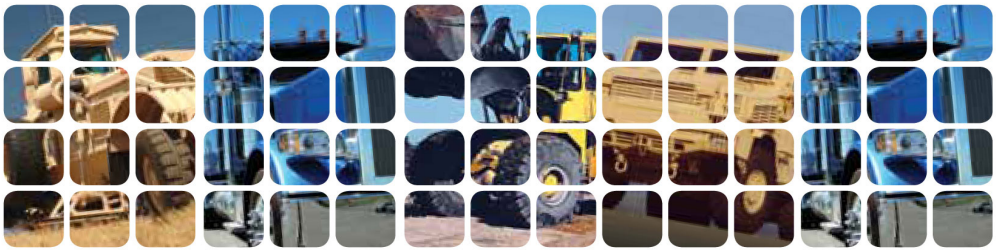


AxleTech International
A GENERAL DYNAMICS COMPANY

Planetary Rigid Axles

PRC753 (26K lbs / 11.8 t)

OVERVIEW

The AxleTech PRC753 axle is engineered to meet the demands of the low floor transit bus market. This axle has a double reduction, one in the carrier and one in the wheel end, which allows for a smaller carrier ring gear and thus a lower bus floor compared to other single reduction axles. Also, this axle has ground gearing which reduces the noise level for better passenger comfort.

With an axle load capacity of 26,000 lbs (11,800 kg), this axle covers a broad range of low floor transit bus applications for both 40' standard and 60' articulated buses.

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

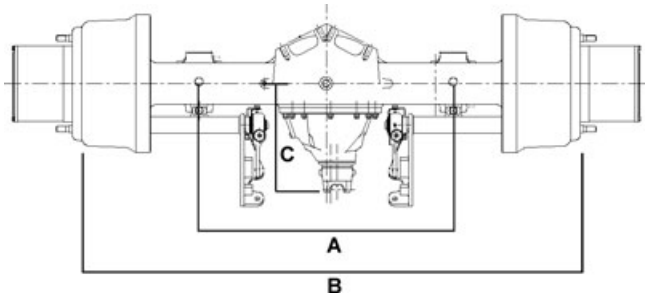
www.axletech.com

SPECIFICATIONS

AXLE CAPACITY(1) Pounds (kg)	AVAILABLE DIFFERENTIALS	DIFFERENTIAL RING GEAR DIAMETER AND FACE WIDTH Inches (mm)	AVAILABLE OVERALL RATIOS
Low Floor Bus Axle 26,000 (11,800)	Standard	4000 Series 10.83" (275) 1.89" (48)	4.79 & 5.25

A AXLE MOUNTING CENTERS Inches (mm)	B TRACK(2) Inches (mm)	TIRE SIZE Inches (mm)	BRAKES	PLANETARY WHEEL END RATIOS
37" (940)	75.7" (1923)	305R 22.5	16.5" x 8.62" CAM (419 x 219)	3.30 & 3.55

(1) Approval required on all applications.
(2) Varies with brake/tire options.



EXAMPLE: TYPICAL AXLE WEIGHT
PRC753 with 75.7" (1,923mm) track and cam brakes = 1,850 lbs (840 kg)

OIL CAPACITY: (Estimated)
Carrier 35.5 pints (16.7 liters)
Wheel End 7.0 pints (3.3 liters) each

A) Axle Mounting Centers
B) Track
C) Carrier Standout with 17TYS Input Yoke 15.44" (392mm)

FEATURES & BENEFITS

FEATURES	BENEFITS
Ground gears	Reduces gear noise
Heavy duty cast brake shoes and drum	Minimizes distortion and increases efficiency
Smaller carrier ring gear. A reduction in both carrier and wheel end	Allows for a lower bus floor
Cast steel axle housing w/ integral suspension pads	Eliminates stress concentration from welding

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