



OVERVIEW

AxleTech is introducing the PSC484, a double reduction steerable axle that is suitable for rough terrain cranes, yard cranes, and pick & carry cranes. This axle is engineered to operate dual tire steerable, which significantly increases axle capacity at low speeds, as well as higher load capacities in front & on the line of sight. This axle features a high strength ductile iron housing for reduced axle weight when compared to cast steel, as well as a cast integral steer cylinder mounting for flexible installation. AxleTech's PSC484 is the most cost-effective solution for material handling applications on the market.

FEATURES AND BENEFITS

Wheel hub reduction	Provides better ground clearance and boosts torque at the wheel ends to ensure required traction at construction and mining sites
Hydraulic disc brakes	Ensure higher braking torques, improving safety, reliability, and performance
Expandable brake torque	Supports one or two calipers per wheel end for optimized braking torque capacity
Dual mount wheels	Increases load capacity on the front and on line of sight
Cast integral steer cylinder mounting	Provides vehicle installation flexibility
High strength ductile iron axle housing	Reduces axle weight when compared to cast steel, maintaining axle life and performance
Straight tie rod	Protects from external damage

TECHNICAL SPECIFICATIONS

Max load capacity lb (kg)	23,100 (10,500)
Axle type	Double reduction steerable
Final ratio	11.76, 13.25, 15.29, 16.20, 17.33, 18.79, 20.83, 21.84, 24.30, or 25.48
Vehicle payload lb (kg)	30,000 (13,600)
Pick and carry payload lb (kg)	52,900 (24,000) at 3 mph (5 kph)
Differential	Standard, NoSPIN [®] , limited slip
Steering	Hydraulic
Mounting center distance in (mm)	29.53 (750)
Housing material	Cast high-strength ductile iron
Wheel mount in (mm)	10 stud, 13.2 (335) bolt circle
Input flange or yoke	3WCS companion flange, 16T / 1610 half-round yoke, 16N / 1610 full-round yoke, or 72N / 7C wing yoke
Pinion location / rotation	Above the center line / clockwise
Brakes in (mm)	Hydraulic disc, 14.8 x 1.18 (375 x 30.0), mineral oil or automotive brake fluid
Minimum rim size in (mm)	20 (508)
Maximum steering angle	30°
King pin center distance in (mm)	50 (1,270)
Hub flange to flange distance in (mm)	73.71 (1,872)
Track in (mm)	74.74 (1,898)

HEADQUARTERS

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