

OVERVIEW

AxleTech is offering a new planetary wheel end especially designed for electric drivetrain systems to produce extremely low noise, while delivering high strength, high efficiency, and long product life. It is available as an independent module or as part of the range of AxleTech's electric axles, which incorporate many motor configurations. This wheel end is a compelling solution for the ever-increasing electrification of on-highway and off-highway vehicles.

TECHNICAL SPECIFICATIONS

Capacity lb (kg)	15,400 (7,000) per wheel end
Planetary gearing	Helical
Axle type	Full-floating, driving
Planetary ratio*	3.30, 3.56, 4.00, 4.63, or 5.60
Wheel mount inches (mm)	Hub piloted 10 stud with 13.19 (335.0) bolt circle
Brakes	Air disc, air wedge drum, or s-cam drum
Brake chambers	As required by application
Minimum rim size inches (mm)	20 (508)
ABS hub compatibility	Standard, 100-tooth tone ring and sensor



FEATURES AND BENEFITS



Helical planetary gears	Operate silently and increase strength. Significantly reduce noise, vibration, and harshness (NVH) and boost strength by 38%, when compared to spur gears of the same tooth size and width.
Robust design	Thrives in the harsh duty cycles of electric drivelines with regenerative braking while achieving a design life of 750K miles without major rebuilds.
Multiple planetary ratios	Satisfy a range of torque requirements.
Various brake options	Match a large number of OEM specifications.
ABS	Improves vehicle on-road control and decreases on-road stopping distance.

HEADQUARTERS

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