



AxleTech[®]
International
A GENERAL DYNAMICS COMPANY

Wheel End Modules 5000

OVERVIEW

Front corner module consists of high capacity, high speed planetary wheel end including brake, half shaft, knuckle, steer arm, lower control arm and other suspension components can be designed. A range of reduction ratios are available. Module is CTIS and ABS ready.

Rear corner module consists of high capacity high speed planetary wheel end including brake, half shaft trailing ARM, pivot to the housing and other suspension components can be designed. Self contained quarter assembly. A range of reduction ratios are available. Module is CTIS and ABS ready.

5000 Series high-speed planetary wheel end, proven performance in all terrain conditions.

- Larger, higher capacity spindle for improved load bearing capacity
- Improved durability reduces maintenance costs
- Withstands higher dynamic shock loading
- Improves mobility, safety and survivability
- Ideally suited for up-armoring
- Wheel ends are designed and field proven to 15,000 lbs.

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SPECIFICATIONS

Wheel End Reduction	Planetary wheel end; ratios of 3.56:1, 4.625 and 5.6 currently available with other ratios possible
Wheel bolt pattern, stud size, and hub bore	335mm x 10 stud bolt pattern with 280mm pilot
CTIS is provided or CTIS compatible?	CTIS equipped, less controller
Is the wheel end currently compatible with a standard size military wheel/tire combination? If so, which wheel/tire?	Currently designed for 20 rim/tire
Wheel end brake type (disc, drum, etc.)	15 drum wedge brake single or dual activation disc brake
Actuation type (air, hydraulic, etc.)	Drums are on hydraulic capable disc or air only
ABS	ABS capable; controller not included
Is electronic traction or stability control included?	Tone ring included in wheel end system; controller not included
FMVSS certification?	Brake will be FMVSS201 compliant
Gross Axle Weight Rating of the system	Wheel ends have been designed and field proven to 15,000 lbs.

Wheel End Specifications:

- Rating: 15,000 lbs
- Ratio: 3.55, 4.625, 5.6
- Brake: 15x5 upgraded wedge drum disc brake
- Wheel: 10 stud, 335mm bolt circle
- CTIS equipped
- ABS option available
- Modular and interchangeable

FEATURES & BENEFITS

Features:

- Wheel end Design provides CTIS integration compatibility
- Wheel end design adds ABS / ESC compatibility
- Wheel end design will incorporate an ABS sensor
- A 100 tooth tone ring is machined into the OD of the wheel hub
- Interfaces with multiple COTS ABS systems
- Multiple ratios for varying torque requirements
- Multiple brake options available

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