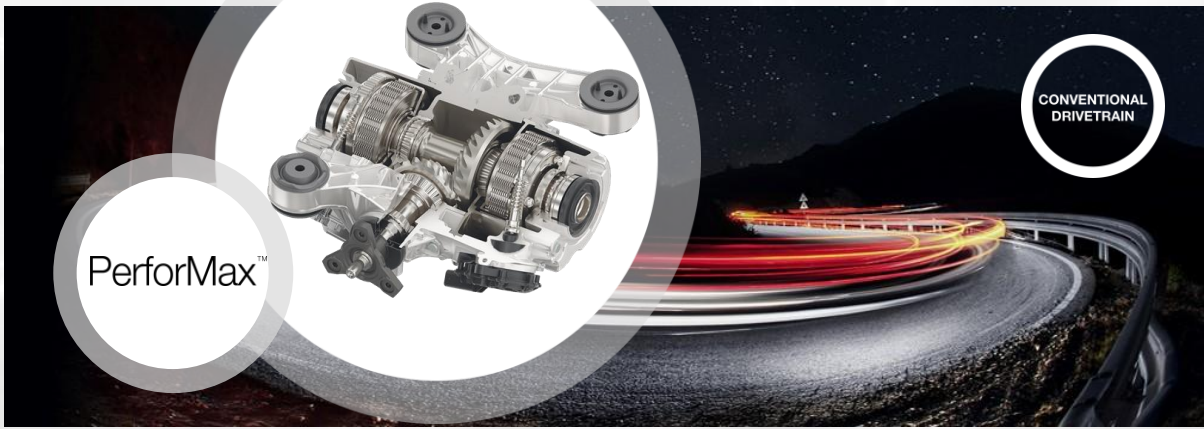
PerforMax™ Rear Drive Module

The dual-clutch torque vectoring rear drive system allows for independent torque to be provided to the rear left and right wheels. Two multi-plate wet clutches are each controlled by an integrated actuator and mechanical ball-ramp type actuation system. Together with sophisticated control algorithms, these provide a superior driving performance for handling maneuvers and off-road conditions.



Features and Specifications

- Key function: AWD with torque vectoring including electronic limited slip differential functionality
- Rear drive module with two multi-plate wet clutches and a hypoid gearset
- Two brushless integrated actuators with mechanical ball-ramp type actuation system for fast response times and the highest torque accuracy
- Torque capacity up to 3500 Nm (1750 Nm each coupling)

Competitive advantage/differentiators

- **Safety**
  Throttle-off closed loop yaw damping
- **Convenience**
  Multiple driving modes with noticeable changing vehicle behavior
- **Dynamics**
  3,500 Nm axle torque capacity
  (1,750 Nm per side)

Applications

- All-Wheel Drive (AWD)
- C, D segment: Car and SUV

SOP

Ideation | Discovery | Concept | Development | Serial Preparation | in Production

Contact: Carsten Reisinger / carsten.reisinger@magna.com