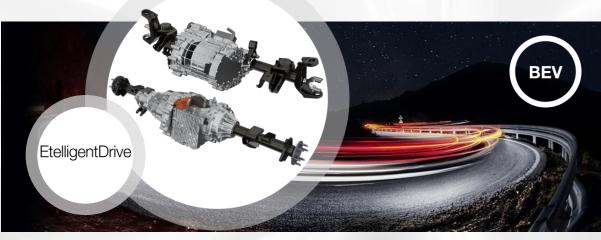
eMobility – eBeam™ Mid



eBeam[™] – Electric Axle Drive System

Heavy Duty electric drive for frame-based vehicle usage. Structure-oriented design to support high payload and towing capability with matching power for continuous duty usage, high peak torque and robustness.



Features and Specifications

- Targeting up to 150 kW continuous power / 200 kW peak power and up to 7,000 Nm at the wheels
- Reduction ratio range: 12 18
- ePark-lock, locking differential, mLSD & eLSD options
- Fulfills ISO 26262 ASiL "D"
- Integrated or remote mounted inverter design possible
- Coaxial architecture with offset gearbox
- High speed PSM 3 phase motor: nMax = 16,500 rpm
- Steerable version and dual motor architecture optionally available

Competitive advantage/differentiators

Safety Robust design for safe towing and hauling
Dynamics

Scalable power to 150 kW $_{\rm cont}$ / 200 kW $_{\rm peak}$ and 7,000 Nm peak axle torque

Vehicle Integration
 Adaptable to current suspension, achieves required clearances during full suspension movement

Applications

- Battery electric vehicle / FuelCell
- PUP / SUV / LCV
- Primary and complementary propulsion
- Coaxial e-motor for GAWR up to 3,250 kg



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