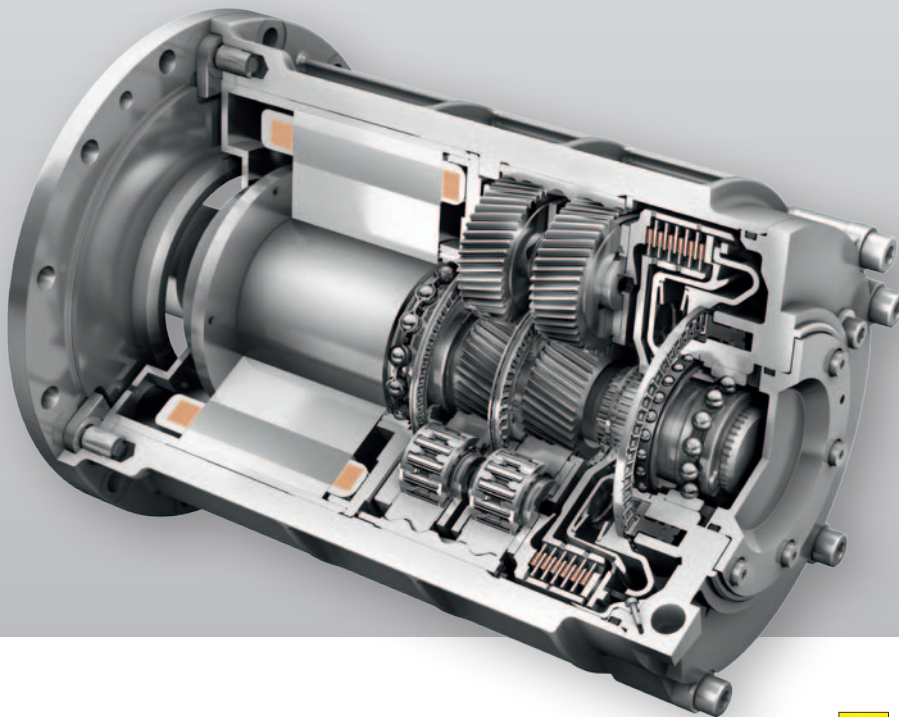


Engine
Chassis
Transmission
E-Mobility

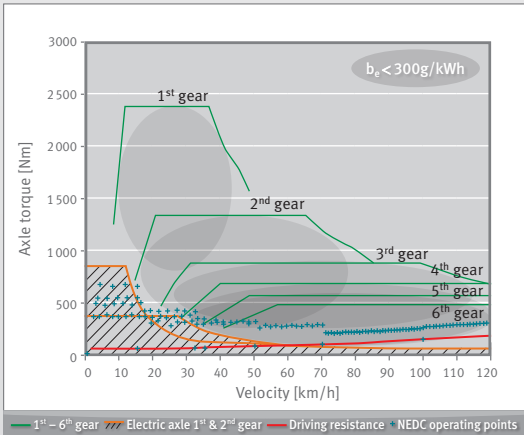
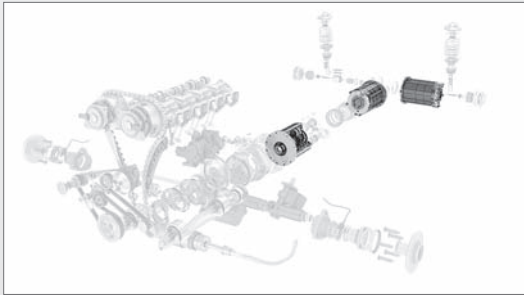
SCHAEFFLER

48 V Electric Axle

EFFICIENT FUTURE MOBILITY



48V Mini Hybridization – Point of Entry into Electrification



Description

- Electric drive module, arranged coaxially to the drive train
- 48V electric motor, air-cooled, peak power 12 kW
- Electro-hydraulically actuated wet clutch

Functional advantages

- Provides electric drive power close to the axle for moving off solely using electric power
- Driving maneuvers: e-creeping, e-sailing, stop and go, turning, parking, boosting, recuperation

Product benefits

- Axle torques of up to 1 000 Nm for creeping using electric power
- 48 V minihybrid, based on electrical components (large-volume production) from belt-driven starter generators
- Designed for optimized use of space
- Economical mini hybridization with a large number of additional benefits
- Reduction in CO₂ emissions of up to 15% (two-speed)

Integration/installation

- Compact coaxial design: Electric motor, transmission and clutch are integrated