

## Hybrid Dual-Clutch Transmission

# Hybrid Dual-Clutch Transmission 7HDT400 48V

7-speed hybrid dual-clutch transmission for mild hybrids; torque-split design to enable ideal use of the efficiencies of the combustion engine and the e-motor. Ideal for B- up to D-class.



### Features and Specifications

- Max. torque: 400 Nm
- Installation length: 369 mm
- Center distance: 197 mm
- Ratio 1st gear: 14.3 - 16.99
- Gear ratio spread: 7,873

### Competitive advantage/differentiators

- Mild hybrid (48 V)
- Independent on demand cooling for clutch and e-motor
- Single oil circuit for cooling and lubrication
- Integrated, high-speed e-motor

### Applications/benefits

- Magna-specific torque-split concept for hybridization
- All hybrid functionalities are possible
- Low-drag torque due to low-viscosity fluid, optimized bearings and reduced churning
- High gear mesh efficiency

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production