

Hybrid Dual-Clutch Transmission 7HDT300 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 C-segment.



Features and Specifications

- Max. torque: 300 Nm
- Installation length: 364 mm
- Center distance: 197 mm
- Ratio 1st gear: 13.7 - 18.6
- Gear ratio spread: up to 8.5

Competitive advantage/differentiators

- -17 % fuel consumption vs. DCT (WLTP)
- Adjustable drivability by clutch modulation and eRock-cycling
- 300 Nm ICE torque plus e-boost capability
- Best-in-class torque-to-weight ratio (= 3.8 Nm/kg) and interchangeable flexibility

Applications/benefits

- Reuse of matured technologies and building blocks incl. ASIL C

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production