

Dual-Clutch Transmission DCT Eco

The DCT Eco is part of the transverse product family ranging from DCT to DHD. By maintaining the physical 4-speed transmission of the DHD, 1st and 6th gears will be added using cascaded gears, and the advantages in terms of low complexity, small package and low weight are then conveyed to conventional 6-speed DCT applications with significant cost benefits.



Features and Specifications

- Max. torque: 250 Nm
- Installation length: 350 mm
- Vehicle segment: A - C (FWD & AWD)
- Center distance: 188 mm
- Weight (including oil): 61 kg
- Package optimized design
- Wet nested dual clutch
- Smart actuation and cooling
- Single shift drum
- Air and glycol cooling via transmission housing

Competitive advantage/differentiators

- Best-in-class efficiency leading to extended range and reduced operating costs
- Best-in-class torque-to-weight ratio
- Adjustable drivability by software and clutch modulation, and customizable driving modes
- Compact design

Applications/benefits

- Innovative gearset design for an extremely small package
- On demand electromechanical actuation with very low power consumption
- Start-Stop and extended sailing capability
- Derived from Magna PT Building Blocks & Function Groups

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production