

# THE DIRECT-SHIFT GEARBOX PRODUCED AT ŠKODA AUTO VRCHLABÍ RANKS AMONG THE MOST EFFICIENT DEVICES OF ITS KIND IN THE WORLD

THE DQ200, A DUAL-CLUTCH 7-SPEED AUTOMATIC GEARBOX, PROVIDES FASTER GEAR CHANGES AND REDUCED FUEL CONSUMPTION

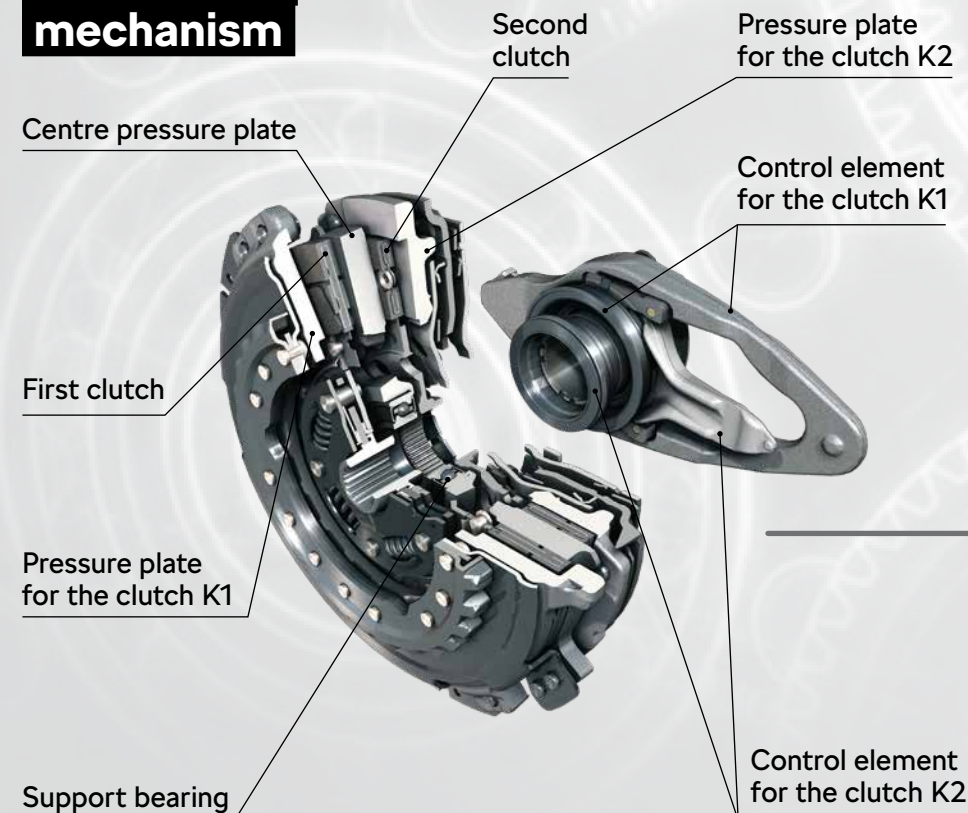
A **DSG** consists of two manual gearboxes, one for the even gears and the other for the odd gears, **each of them with an independent clutch**. When driving, one gearbox selects the next gear in anticipation; while one clutch is being engaged, the other one is being released. This allows for **very smooth driving**: the car does not slow down as torque is delivered to the wheels seamlessly.

## The DQ200 in numbers

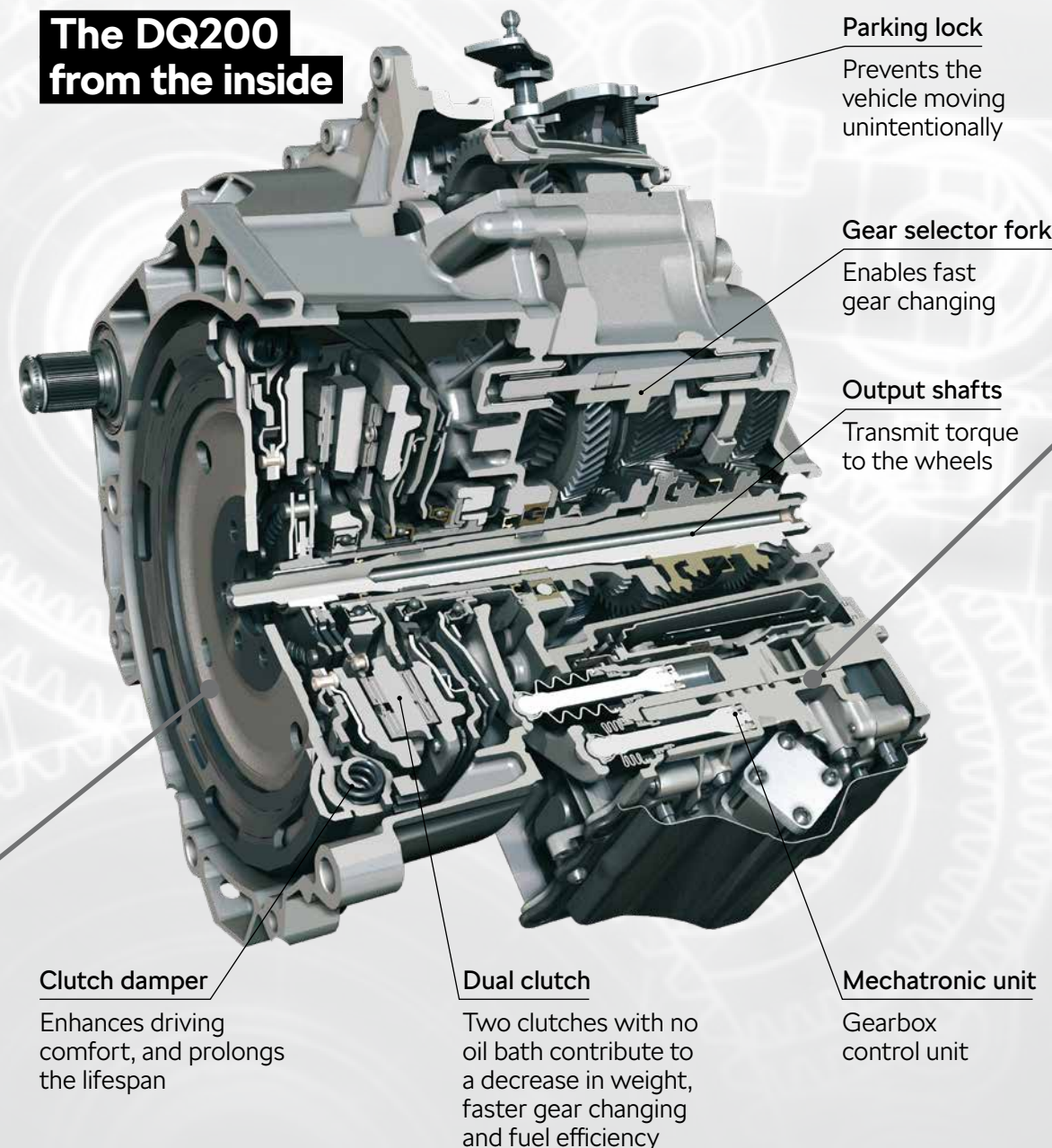
 **352** parts  **22** versions

 Weighs **72 kg**, which makes it **8 kg** lighter than the 6-speed DSG

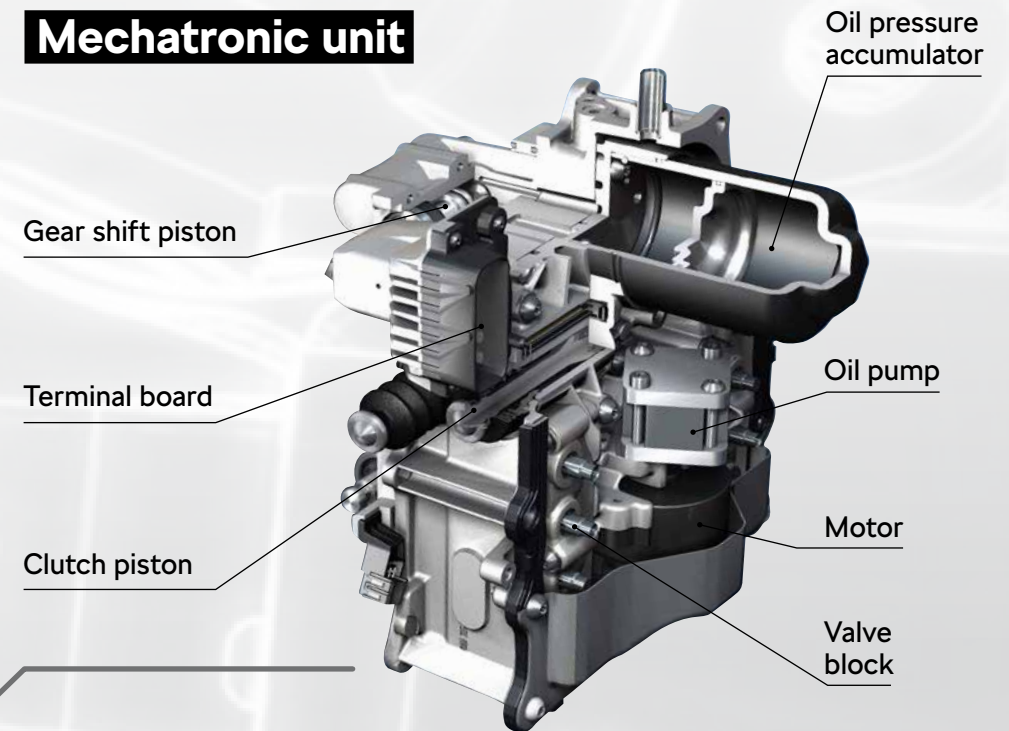
## Dual-clutch mechanism




## The DQ200 from the inside





## Mechatronic unit



## Did you know that...?

 **60,000** The DQ200 gearbox was thoroughly scrutinised before launch: In addition to 60,000 hours in a test chamber, it was used in prototypes that drove 2 million kilometres in challenging conditions including extremely dusty environments and the mountains.

 **180 km/h** Every single device made in Vrchlábí is tested: The flawless operation of each gearbox is checked by exposing it to speeds of up to 180 km/h on a test rig.

 **ms** The DQ200 is faster than a traditional automatic gearbox: When in Sport mode and under load, the DQ200 can change gears in just a few hundredths of a millisecond. This also makes it faster than the average driver.