

RANGE  
**2WD**  
2 WHEEL DRIVE



 **ST82-17**  
TRANSVERSE

**SADEV**<sup>®</sup>  
RACING TRANSMISSION

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RANGE  
**2WD**  
2 WHEEL DRIVE



## **ST82-17** TRANSVERSE

The flagship of the transverse 2WD range, the **ST82-17** is loaded with the latest technology designed for turbocharged engines such as 1.6L and 2.0L turbo. Benefiting from all SADEV's experience, it combines optimised architecture with a small footprint and a low weight. Incorporating all the latest innovations such as paddle-shift and externally adjustable preload, the **ST82-17** will prove a formidable solution for your future projects.

### APPLICATIONS

- › *Circuit*
- › *Hill Climb*
- › *Rallycross*
- › *Rally*



## TECHNICAL SPECS

6 speed sequential gearbox + 1 reverse gear

Manual sequential gear selection (semi-auto optional)

Wide range of final drives available

Wide range of ratios available

Straight cut gears

Dog ring gear engagement

Interchangeable gear ratios

High strength carburizing steel

Gear teeth grinded with optimized profile

Shot penning on internal parts

Specific input shaft

Limited slip differential (low friction optional)

Ramp and plate system - 3 discs type

Preload made by compression springs

Wide range of ramp plates available

Contactless gear position sensor

Contactless flat shift sensor

Splash lubrication system

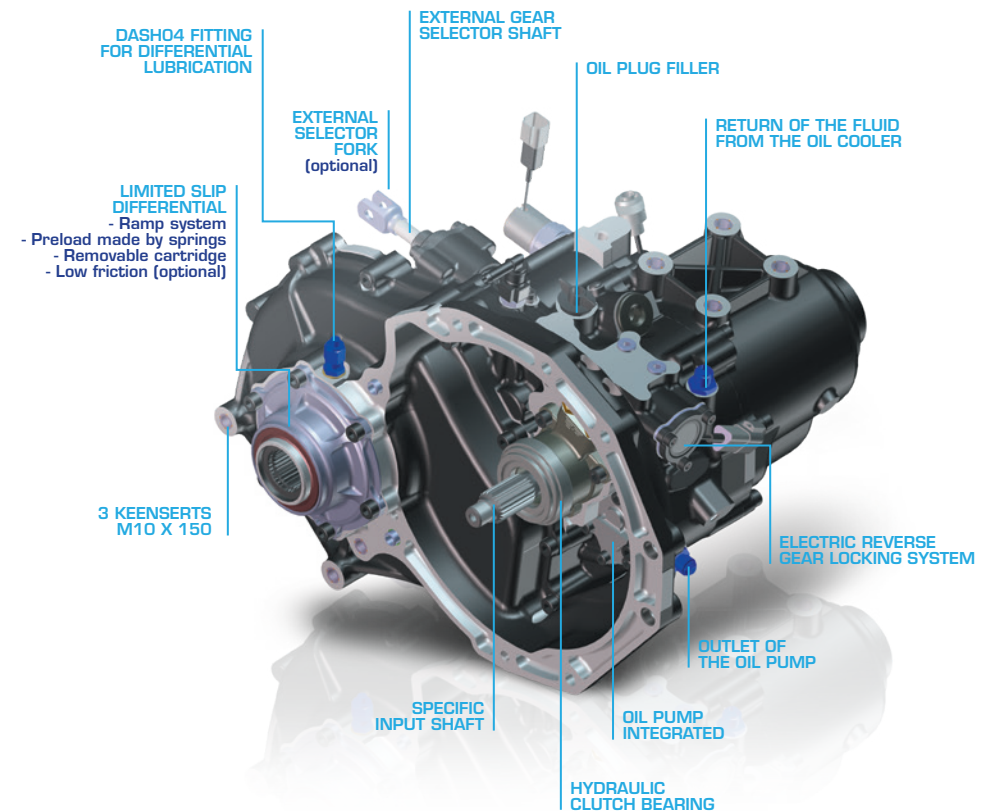
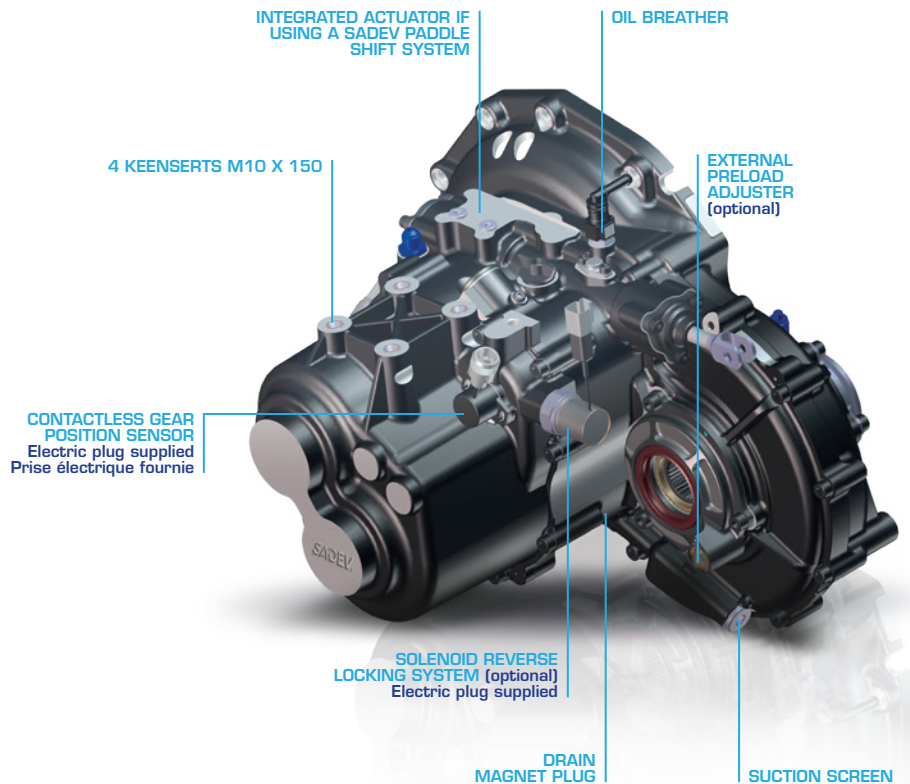
Oil pump integrated

Oil suction screen

Painted AS7G aluminum casings

Case joint faces sealed with O'rings

Weight (input shaft included) : 38 kg - 83 lbs

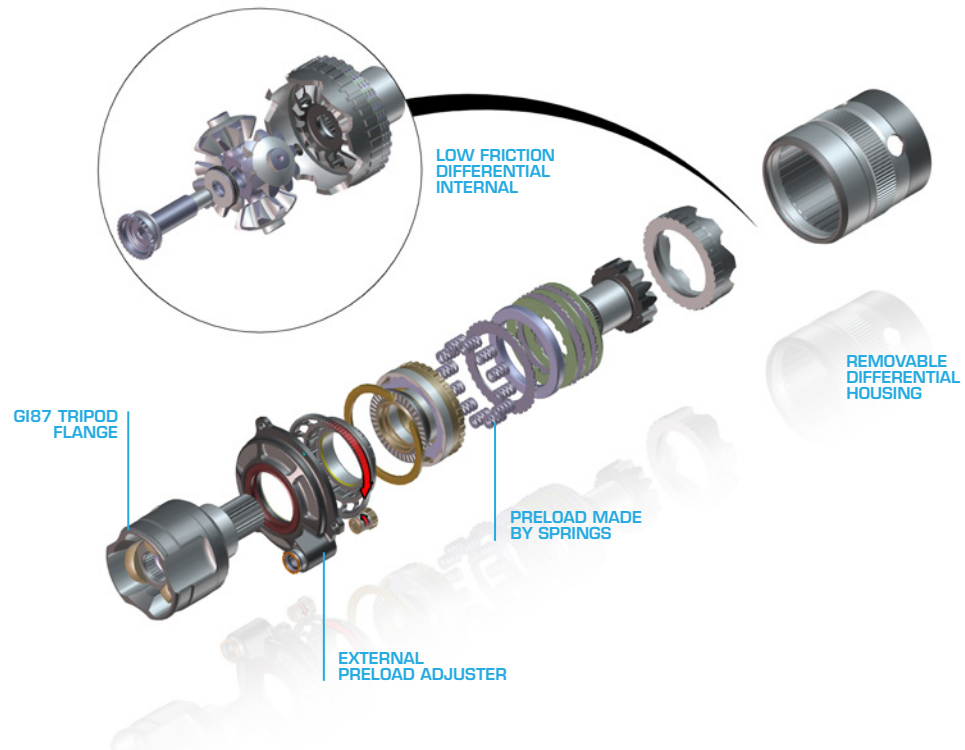




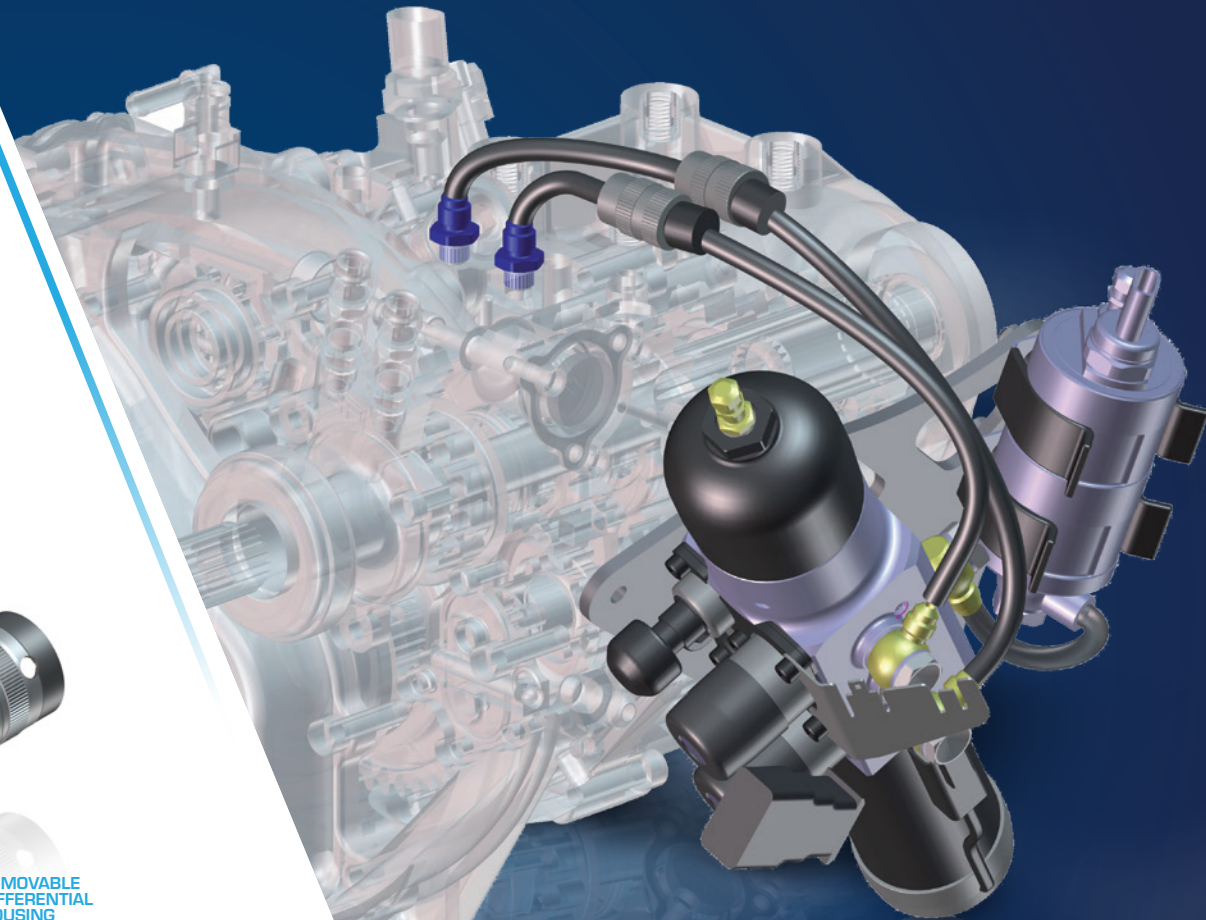
## ACCESSORIES

- › Gearlever
- › Gear display
- › Mounting plate
- › Driven tripod flange
- › Hydraulic paddle-shift
- › Drive shafts

EXTERNAL PRELOAD ADJUSTMENT  
LIMITED SLIP DIFFERENTIAL (OPTIONAL)



HYDRAULIC PADDLE-SHIFT



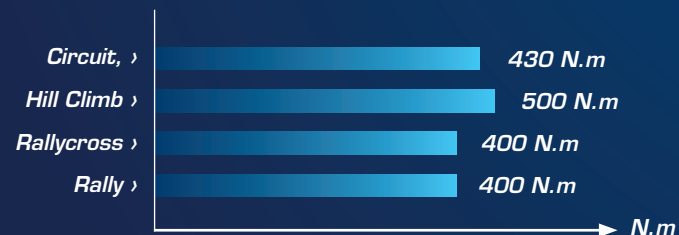
Possibility to connect the SADEV paddle-shift system and to operate the transmission via an integrated actuator



## ST82-17 TRANSVERSE

- › **Reliability:** Having sold more than 1000 gearboxes, the **ST82-17** continues to prove its high level of reliability in many racing applications, including TCR Series.
- › **Dimensions:** The reduced size of the **ST82-17** makes it one of the most compact gearboxes on the market.
- › **Availability:** The real star of the SADEV range, the **ST82-17** offers many parts available from stock.
- › **Selection:** An internal actuator can be fitted to the **ST82-17** to receive the SADEV hydraulic paddle-shift system.
- › **Set-up:** The **ST82-17** offers the option of external preload adjustment for its low-friction self-locking differential.

### MAXIMUM ENGINE TORQUE





## ONE PASSION: VICTORY

SADEV has an exceptional record in supplying unique engineering to the most prestigious drivers and manufacturers. SADEV's products stand out for their technology, their excellence and their ambition. As precise as they are reliable, these high-tech masterpieces are the key to your victory. SADEV has just one goal: to make sure you win.

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## A TEAM AT YOUR SIDE

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