

DIFFERENTIAL
RANGE



 **SPO5**
DIFFERENTIAL

SADEV
RACING TRANSMISSION

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SPO5 DIFFERENTIAL

The **SPO5** differential is designed to offer a complete product incorporating many vital functions for rally raid use. Its high load capacity and variety of features make the **SPO5** a complete, fully developed product.

APPLICATION

› Rally-raid



TECHNICAL SPECS

Bevel gear ratio : 8x31

The bevel gear is cut and grinded in house on our CNC units

High strength carburizing steel

Gear teeth grinded with optimized profile

Shot penning on internal parts

Central limited slip differential

Ramp and plate system - 3 discs type

Preload made by spring washer

Anti-friction coating on odd discs

Anti wear steel flat discs

Wide range of ramp plates available

Differential locking system (optional)

Splash lubrication system

Oil pump integrated

Lubrication lines through the casing

Directed and pressurised lubrication on the bevel gear

Oil filter integrated

Oil suction screen

Magnetic drain plugs

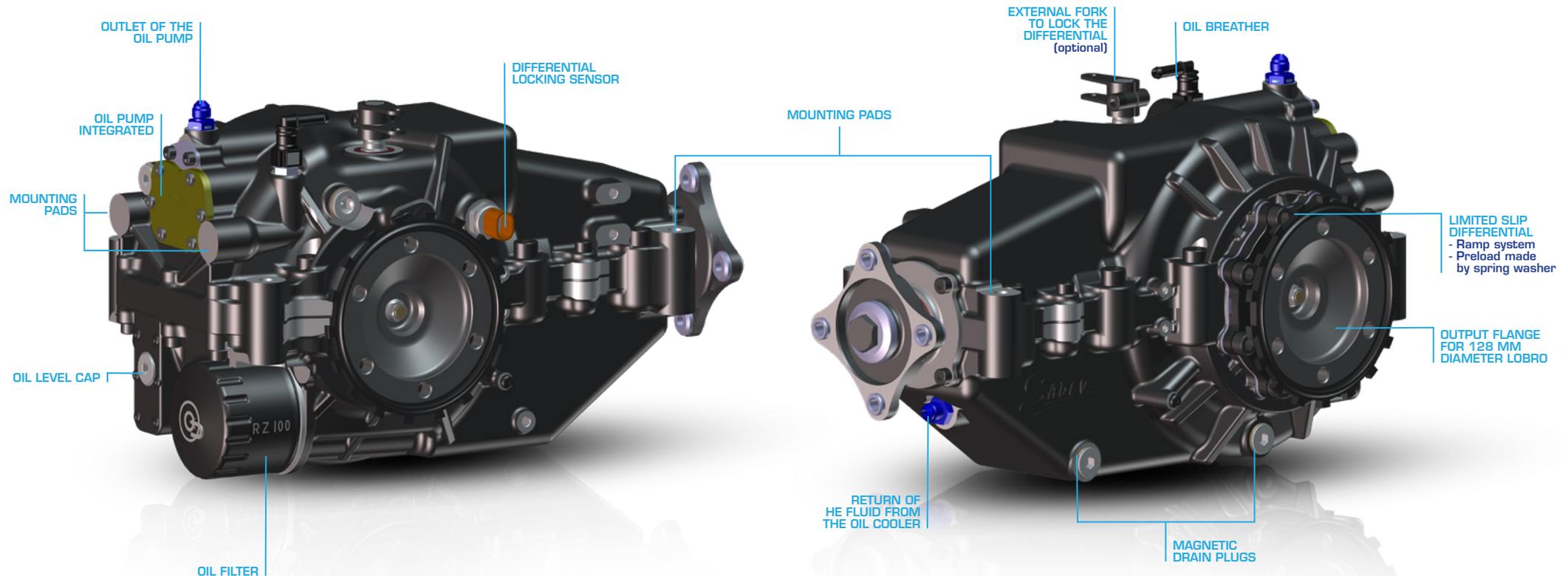
Painted AS7G aluminum casings

Assembled with spacers and studs

Casing joint faces sealed with O'rings

Output flange for 128 mm diameter Lobro

Weight : 36 kg - 79 lbs



ACCESSORIES

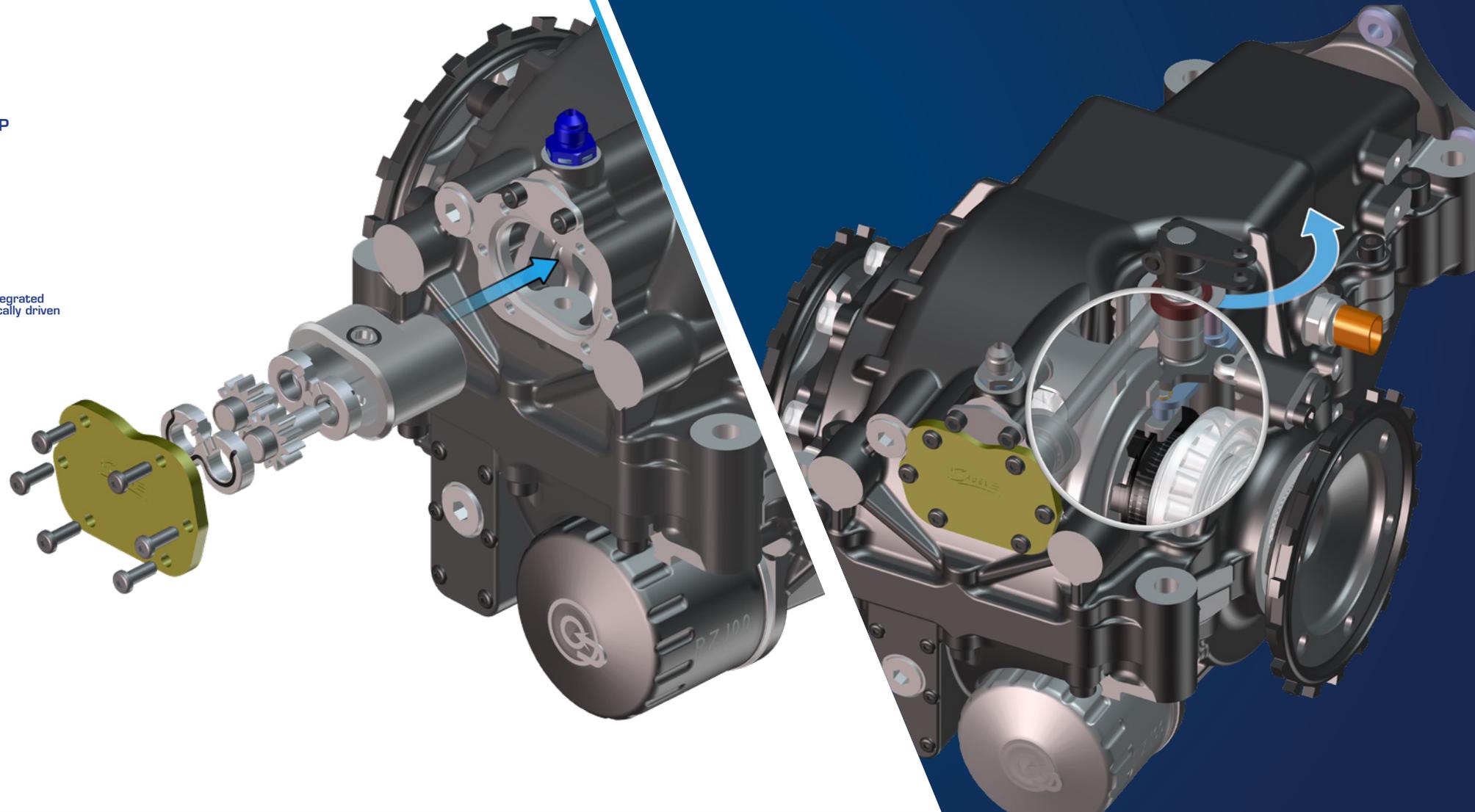
- › Drive shafts
- › Propshaft

DIFFERENTIAL LOCKING SYSTEM (OPTIONAL)

The locking of the limited slip differential helps you to cross the toughest roads

OIL PUMP

Oil pump integrated and mechanically driven





SPO5 DIFFERENTIAL

- › **Robustness:** Our finite element calculation tool enables us to design extremely strong, compact, lightweight casings.
- › **Differential locking:** Possibility of locking the front differential mechanically for the best traction on sandy terrain.
- › **Self-locking:** Reinforced limited slip self-locking ramp differential.
- › **Cooling:** An oil pump and a filter are integrated into the **SPO5** and driven mechanically. This enables an external oil cooler to be connected.

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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