

# '529' Transverse Rear Mounted Sequential Sports Car Gearbox

Designed and manufactured for both LMP and GT sports car applications, this customer specification gearbox is based on Xtrac's successful '229' Le Mans winning design.

The '529' is fully compliant with the latest ACO floor regulations and can be machined to suit individual customer's suspension designs.

Xtrac's legendary record for reliability and performance was built on multiple Le Mans winning products like this.



## Specification

- 800Nm (590lbf ft) maximum engine input torque.
- 1st and 2nd Layshaft gears are integral, 3rd to 6th are slide on. With a wide range of available ratios.
- Gearbox casing material is Magnesium RZ5 and all casting joint faces have 'O'-Ring seals.
- Differential is the Xtrac Viscous Combined Plate (VCP) with a choice of settings.
- Straight cut gear ground final drive 16:42, 17:41, 14:50 and 12:50 are available as standard.
- Hard cut Klingelberg bevel set.
- Xtrac manufactured Output flanges are included to suit GI 87 size Tripode joints.
- Lubrication is via twin stage lubrication pump
- Most components are manufactured in Xtrac's own grade of steel (X36C). Bevel sets, final drives and pinions are manufactured in Xtrac's vacuum melted steel (XVAR1), using post heat treatment gear finishing for greater accuracy and longer life. Highly stressed components are shot peened.
- Weight 69Kg (152lb)\* spec dependent.

## Gearbox Benefits

- Light, positive sequential gearchange.
- Quick change gear ratios.
- Cost effective, reliable solution.
- Rear Mounted Starter Motor

## Options Summary

- • Wide gear cluster option available.
- Gear ground and super polished ratios (Xtrem Process) are available.
- Pneumatic Shifter Cylinder.

## Why choose Xtrac?

### Quality

- Strict quality assurance procedures are carried out at every stage of manufacture.
- Steels manufactured to Xtrac's own specifications.
- Every unit dynamically test run prior to dispatch.

### Performance

- Xtrac's advanced engineering solutions keep our customers ahead of the competition.
- Xtrac's in-house manufacture provides rapid response.
- Our processes and procedures are continually monitored and evolved to increase efficiency.

### Reliability

To finish first, first you have to finish... Xtrac's track record speaks for itself:

- 26 Formula One World Championships
- 20 CART Championships • 15 Indy 500 Victories
- 21 Touring Car Championships • 23 World Rally Championships
- 10 Le Mans/Daytona 24 Hour Victories
- 14 Dakar Rally Victories
- 5 NHRA Drag Racing Championships
- 8 AMA MX/SX Championships

