



## '303' In Line Sports Car Gearbox

A customer specification rear mounted longitudinal gearbox for use in GT and Sports Car Racing. Based upon our highly successful DTM2000 unit and our '283' gearbox as used in the winning GTS car at the 2003 Le Mans 24 hour race.

This unit offers the proven reliability of Xtrac's high quality internal components, in a layout designed for ease of access and maintenance.

### Specification

- 800Nm (590lbf ft) maximum engine input torque.\*
- Drive is fed from the ratios through a pair of easily changeable drop gears.
- Non-hypoid spiral bevel final drive.
- Sequential shift, straight cut, non-synchromesh gears engaged - Rev,N,1,2,3,4,5,6 (full neutral detent).
- 1st gear is integral with the Layshaft, 2nd to 6 gears are slide on gears. Gear teeth are straight cut.
- Magnesium RZ5 castings and all castings have O-Rings face seals.
- The standard differential is a plate type limited slip unit with a choice of ramp angles and a large number of plate settings. Pre-load adjustment can also be made.
- Various drop gears options.
- Reverse gear is a sliding constant mesh idler type.
- Hard cut Klingelberg bevel set. Ratio 9:31 as standard, various others are available.
- Lubrication is via single stage eccentric lobe lubrication pump.
- Titanium is not used.
- Standard gearbox weight 66.0Kg (145.5lb).\*

### The differential offers the following benefits

- Light, positive sequential gearchange.
- Quick change gear ratios, and drop gears.
- Cost effective, reliable solution.

### Options Summary

- A Viscous Combined Plate (VCP) Differential.
- An optional external pre-load adjuster kit is available for retro or factory fitment.
- Pneumatic semi auto shift unit.
- Gear ground and super polished ratios (Xtrem Process) are available for 24 hour races if required.
- Wide cluster for improved performance and life is available for retro or factory fitment.
- Clutch bell housing
- Starter motor clutch flange/ring gear



### 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 evolve to increase efficiency.

#### Reliability

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

- 24 Formula One World Championships
- 20 CART Championships
- 9 Indy 500 Victories
- 20 British Touring Car Championships
- 17 World Rally Championships
- 7 Le Mans/Daytona 24 Hour Victories
- 10 Dakar Rally Victories
- 3 NHRA Drag Racing Championships
- 4 AMA MX/SX Championships

### Further information is available on this product from:

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