

## 303 IN LINE SPORTS CAR TRANSAXLE

A customer specification rear mounted longitudinal transaxle 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

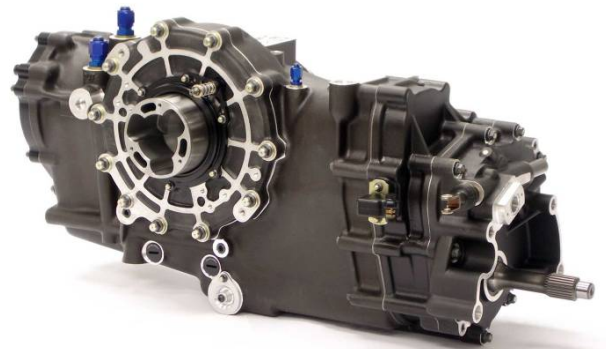
- 800Nm (590lbf ft) maximum engine input torque\*
- Drive is fed from the ratios through a pair of easily changeable drop gears
- Non-hypoid spiral bevel final drive
- Sequential shift, straight cut, non-synchromesh gears engaged - Rev,N,1,2,3,4,5,6 (full neutral detent)
- 1st gear is integral with the 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 Klingelnberg bevel set. Ratio 9:31 as standard, various others are available
- Lubrication is via single stage eccentric lobe lubrication pump
- 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?

The value of Xtrac's competitive advantage is well recognised by the champions and one make series who already rely on their expertise, in addition to individual teams running on modest budgets. Success is summarized by Xtrac's watchwords:

#### QUALITY

To maintain their position as the leading supplier of high performance transmissions, Xtrac operate a continuous re-investment policy.

#### PERFORMANCE

Supplying championships such as IRL, BTCC, GRAND-AM, FIA Super 2000, Formula Le Mans and most recently, Brazilian Stockcar and Argentina's TC2000, Xtrac's track record speaks for itself.

#### RELIABILITY

Xtrac's advanced engineering solutions keep their customers ahead of the competition in the most grueling endurance events – from Dakar to Daytona and from Monte Carlo to Le Mans – all the way to the chequered flag.



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\*Approximate only, see Notes Document for details.

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