

406 FRONT WHEEL DRIVE TOURING CAR GEARBOX



A transverse six speed sequential racing gearbox, primarily designed for use in FWD Touring Car (BTCC) and Rally Car applications.

The unit was first utilised as the specification gearbox for the British Touring Car Championship in 2001 but has now been superseded in this role by Xtrac's new 1046 gearbox.

The 406 was designed with ease of servicing in mind and ratio changes are accomplished on the bench after the ratio cluster has been removed as one unit on its cluster plate.

Value engineered to meet strict cost constraints within this formula, this gearbox offers the highest quality at a cost effective price.

SPECIFICATION

- 300Nm (221lbf ft) maximum input torque capacity*
- 6 speeds with sequential gearchange selection
- Suits installations with gearbox on L.H. side of chassis
- Differential is an Xtrac cassette type plate unit with a choice of ramp angles, plate and preload settings, (quick change diff cassette is easy to remove)
- Aluminum L169 castings, with 'O'-Ring face sealing
- Clutch shaft to suit customer installation is included
- Xtrac 'Pin pawl' ratchet and pawl gearchange assembly
- Left hand output flange is integral with the differential, to suit GI 82 size Tripode joint
- Wet sump standard lubrication system (see options below)
- Clutch release slave cylinder (AP CP3859-1250)
- Gearbox weight is approximately 37.0kg (81.5lb)*

THE GEARBOX OFFERS THE FOLLOWING BENEFITS

- Light, positive sequential gearchange
- Easily removable cluster for ratio changes
- Easy serviceability
- Cost effective, reliable solution

OPTIONS SUMMARY

- Endurance kit available
- Super polished gear ratios (Xtrem Process)
- Single stage oil pump/filter lubrication system
- Gearchange potentiometer, mounting and display
- Quick release detent cable
- In car gear lever assembly
- Cross shaft assembly



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 summarised 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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