



'416' Front Wheel Drive Touring Car

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

The unit is a re-package of the successful '406' FWD Touring Car gearbox, which has been utilized as the specification gearbox for the British Touring Car Championship since 2001. The new design gives a lower center of gravity, and the encapsulating cluster casting makes it easier to remove the cluster for ratio changes.

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)
- Bell crank actuated gearchange rack reduces wear and improves gearchange performance.
- Aluminum L169 castings, with 'O'-Ring face sealing.
- Clutch shaft to suit customer installation is included.
- Xtrac 'Pin pawl' ratchet and pawl gearchange assembly.
- Low gearchange barrel and Final Drive position.
- Left hand output flange is integral with the differential, to suit GI 82 size tripod joint.
- Wet sump standard lubrication system (see options below).
- Clutch release slave cylinder (AP CP3859-1250).
- Gearbox weight is approximately 36.5kg (80.5lb).*

The gearbox offers the following benefits

- Light, positive sequential gearchange.
- Easily removable cluster for ratio changes.
- Low centre of Gravity.
- Cost effective, reliable solution.

Options Summary

- 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.
- Magnesium RZ5 casings.
- Cross shaft assembly.



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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