

# '407' IN LINE SEQUENTIAL GEARBOX

Xtrac has produced a new range of customer in-line gearboxes based on its considerable experience gained from supplying large numbers of gearboxes for teams and manufacturers around the world.

The '407' is the low torque configuration in this new range of high performance in line gearboxes. This range also includes both mid and high torque versions, designed for sports car applications. Xtrac have used their knowledge and experience to produce this high quality yet lower priced range of gearboxes that shares common parts across the range. This enables spares to be both competitively priced and readily available.



## Specification

- 350Nm (260lbf ft) maximum engine input torque.\*
- Sequential shift, straight cut, non-synchromesh gears engaged - Rev,N,1,2,3,4,5,6 (full neutral detent).
- Non-stressed gearbox, consisting of Aluminum L169 'O'-Ring sealed casings. Incorporates a simple 4 bolt front face.
- Range of Input drop gears; (standard 23:24).
- Gear ratios are straight cut, integral 1st gear (13:39), 2nd to 6th are slide on. Reverse gear (13:35).
- Bell crank actuated gearchange rack reduces wear and improves gearchange performance.
- Lubrication is via single stage eccentric lobe pump, configured for use with an external cooler if required.
- Temperature sensor boss, pressure boss, dog ring inspection holes and oil fill and drain holes are provided, as is an oil breather fitting.
- Gearbox mounted gear linkage rocker system and single piece detent reverse lift cable is provided.
- Customer specific clutch shaft included.
- Gearbox weight is approximately 31.5 kg (69.4 lb).\*

## Gearbox Benefits

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

## Options Summary

- One piece bellhousing to suit the customer's engine.
- Internally re-circulating oil pump system.
- Gearchange potentiometer, mounting and display.
- Quick release reverse cable clip.
- In car gear lever and in car gear lever linkage.
- Super polished gear ratios (Xtrem Process).
- Magnesium RZ5 casings.
- Mid and high torque capacity versions available.

## 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

