

# '427' INLINE SEQUENTIAL SPORTSCAR 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 '427' is the mid capacity configuration in this new range of high performance gearboxes. This range also includes both higher and lower torque versions, designed for both sports car and touring car use respectively.

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

- 650Nm (480lbf 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.
- Accepts AP Racing clutch release slave cylinders.
- Range of Input drop gears; (standard 23:22).
- Gear ratios are straight cut integral 1st gear (13:39), 2nd to 6th are slide on.
- 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.
- Temperature sensor boss, pressure boss, dog ring inspection holes and oil fill and drain holes are provided, as is an oil breather fitting.
- Customer specific clutch shaft included.
- Gearbox mounted gear linkage rocker system and single piece detent reverse lift cable is provided.
- Gearbox weight is approximately 38.5 kg (85.0 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.
- Gearchange potentiometer and mounting.
- Quick release reverse cable clip.
- In car gear lever and in car gear lever linkage.
- Super polished gear ratios (Xtrem Process).
- Magnesium RZ5 casings.
- High and lower 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

