



## '407' Front or Rear Differential

The 407 Medium Duty Differential is an independent unit designed for either front and /or rear drive applications, typically for Rally, light Cross Country Rally Raid vehicles or Touring cars. It is the perfect differential to be used in conjunction with Xtrac's in line 407 sequential Touring car gearbox.

The unit incorporates high quality, low cost features making the product particularly suitable for Touring car type events.

For higher torque and more arduous environments, the heavy duty Xtrac 247 differential can be utilized.

### Specification

- 3,000Nm (2,212lbf ft) maximum input torque.\*
- Cast aluminum LM25TF alloy casing and side cover.
- CW&P 9:31 (3.444:1) Standard fitment.
- Jacking screw positions are provided as appropriate to allow easy casing disassembly without damage.
- CW&P mounted on heavy duty taper roller bearings.
- Self recirculating wet sump oil system, facility to fit an external remote oil pump, filter and cooler system.
- Oil fill, drain and level plugs, oil breather system.
- The differential Unit can be mounted in either orientation in the car. i.e. upside down, to suit the particular direction of rotation required.
- Input and output flange lip seals.
- Zinc plated fasteners & nyloc nuts.
- Titanium is not used.
- Plate differential with, sintered friction discs and various cross pin and ramp angles, 8 friction faces per side. The side gear forces are reacted into the differential body,
- External differential preload adjustment.
- Differential weight is approximately 26.0 kg (57.0lb).\*

### The Differential offers the following benefits

- Crownwheel & Pinion with hard cut tooth form for greater strength & life.
- Universal orientation mounting.
- Cost effective, reliable solution.

### Options Summary

- CW&P ratios available 9:34 and 8:33
- Propshaft flange:  $\varnothing$ 100 mm Lobro or Universal.
- Output flanges to suit Lobro  $\varnothing$ 100mm or  $\varnothing$ 108mm.
- Heavy duty '247' differential also 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 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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