

633 RALLY REAR DIFFERENTIAL

Xtrac's '633' 4WD differential has been designed specifically to cater for Rally cars competing under the FIA WRC & Super 2000 regulations, in series such as the Intercontinental Rally Challenge (IRC) and WRC championship, WRC & S-WRC.

The rear differential specification meets all the requirements of the FIA S2000 / WRC homologation regulations and has been approved for use in S2000 / WRC championships by the FIA..

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To meet the FIA's requirements Xtrac has achieved the lowest possible costs, whilst ensuring a technically reliable and lightweight transmission solution built to its normal industry-leading quality standard.

SPECIFICATION

- Cast aluminium L169 casings
- 450Nm (330lbf ft) maximum engine input torque*
- Integrated oil system with eccentric rotor pump
- Patented rear drive disconnect system – hand brake operated requiring no aux. hydraulic pump
- Adjustable mechanical type plate rear differential
- Casing designed to be load bearing for efficient integration into the rear sub frame
- Differential and disconnect length minimised for maximum packaging efficiency
- Right hand output housing specifically designed for each installation to ensure the optimum driveshaft length
- Dedicated oil temperature and oil pressure sensors mountings
- Dedicated rear left wheel speed sensor mounting (WRC use only) or provision for individual wheel speed sensor mountings
- Integrated oil system cooling
- Differential weight approximately 38kg (with disconnect)

DIFFERENTIAL BENEFITS

- Integrated rear drive disconnect system
- Easily removable differential with externally adjustable differential preload
- Easily accessible oil filter cartridge
- Efficient installation
- Cost effective, reliable, lightweight solution

OPTIONS SUMMARY

- Various driveline options
- Prop shaft flanges to suit specific requirements
- Various output flange options including AAR integral and plug in types. Integral speed sensor trigger as required.

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*Approximate only, see Notes Document for details.

Specification subject to change without notice. © Xtrac Ltd, Jan-11



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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