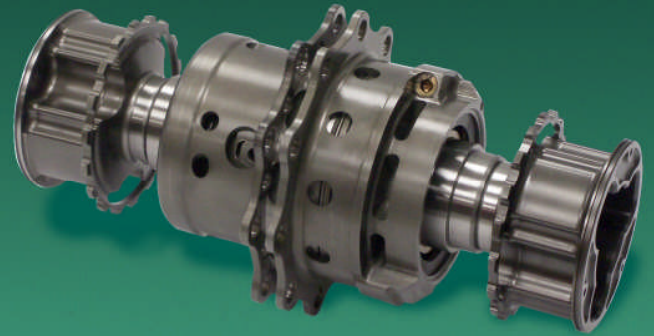


# '262' LOLA CHAMP CAR VLP DIFFERENTIAL WITH VALVE ADJUSTMENT

This differential is for the current Lola Champ car. It combines the best features of Viscous, and Ramp Limited slip Differentials, in one highly compact unit.

As well as offering speed and torque sensing characteristic the unit is also fully adjustable. Torque sensing is carried out by a conventional symmetrical ramp arrangement with many options available. Speed sensing is achieved using a Visco-lok shear pump unit. The Visco-lok's unit is fitted with a valve that controls the speed at which the pump will start to lock the differential, this can be used to keep the differential open in cornering but locking when a wheel spins up.

This unit offers the proven reliability of Xtrac's high quality components, combined with the unit's adjustability to give a truly competitive edge.



## Specification

- Fits the Lola Champ Car.
- Speed sensitive locking characteristics, from an integrated Visco-lok unit.
- Valve adjustment of the Visco-lok unit.
- Torque sensitive locking characteristics, using Salisbury type ramp components.
- Side gear thrust can be also used to lock the differential.
- 8 Friction Faces.
- FEA optimized Lightweight output flanges

## Differential Benefits

- Lightweight.
- The speed at which differential wheel motion will cause the differential to start producing locking torque is externally adjustable.
- Can be setup to have both speed and torque characteristics.
- Can be adjusted to give either solely speed or torque sensing characteristics.
- Symmetrical in operation.
- Visco-lok units are far more constant than traditional than speed sensitive viscous couplings.
- Visco-loks need much less maintenance many other types performance of fluid units.
- Visco-loks are highly compact designs.

## Options Summary

- Different viscosities of fluid.
- Different ramp angles.
- Negative preload springs available.
- 'High' or 'Low' lock set up 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

