



HV2000 SERIES

Monotube Shock Absorber with Side Chamber

The HV2000 series is RedRoo's premium shock absorber and is suitable for a wide range of heavy vehicle applications. Its ability via our Smart Ride Control System to automatically adjust to varying loads and road conditions while providing the driver with a more comfortable ride, makes the RedRoo HV2000 series the 1st choice for vehicle owners everywhere.

Exclusive Benefits

- Designed with variable conditions in mind
- Option to connect to the air-bags or an air supply provides:
 - Automatic adjustment to manage loaded or unloaded weights
 - Superior road handling qualities
- The 25mm diameter hardened shaft is the largest on the market, ensuring a robust and long-life product
- Hydraulic safety lock out, to ensure no metal to metal contact when shock is fully extended in any extreme
- Segregated compression and rebound chambers
- Low operating pressures of 20 to 120 PSI ensure that the oil temperature remains within optimal range
- Optional finned aluminium side chamber to keep the shock absorber at optimal operating temperature
- Clever patented valve design ensures zero aeration and superior oil flow
- Dual compression and rebound adjustments:
 - Simple shim stacks (factory or workshop settings)
 - Airbags or air supply (variable according to air pressures)
- The RedRoo HV2000 is one of the only serviceable shock absorber on the market.

Applications

The HV2000 series is designed for use on prime movers, heavy trailers, buses and motorhomes. In fact an HV2000 shock absorber can be configured to suit nearly all heavy vehicle applications.

Feature Description	Technical Data	Standard / Optional
Piston rod	Microcracked Hardened - 25mm	Standard
Piston bore diameter	58mm	Standard
Finned aluminium side chamber	75mm	Optional
Air-bag connection valves	¼ air valve	Optional
Seal Type	Viton - 90duro	Standard
Bushing	Polyurethane	Standard

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