

DATA SHEET

MERCEDES BENZ AROCS

10x4 with rear hydraulic steering axle with lift device



DESCRIPTION

The conversion to 5 axles from a base vehicle 8x4 AROCS is achieved by the application of a rear steering axle with pneumatic suspension. The 10X4 rear steer configuration is available for base vehicles with either mechanical or pneumatic drive axle suspension. The added fifth axle is hydraulically steered with a system that is completely independent and autonomous to the vehicles original hydraulic system. The vehicles performance and handling are in no way impacted by the additional axle.

DESIGN NOTES

- The original vehicle suspension can be mechanical or pneumatic.
- The added axle is hydraulically steered with a mechanical command.
- A pneumatic safety feature locks the axle in the straight-ahead position in the event of any system anomaly.
- The added axle can be a 9t or 10t capacity axle with disc or drum brakes.
- The added axle benefits from a fully automatic lift and drop system.
- A traction control system up to 30km/hr is also available for the 10x4 configuration
- Tyres sizes are: 385/65 R22.5 with load index 160k or 164k (for 10t).
- Additional axle solution (incl. tyres) increases the base vehicle weight by ~1050 kg.

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