

S.T. SYSTEM TRUCK S.p.A.

Trasformazioni e Soluzioni per Veicoli Industriali

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TECHNICAL SHEET

SCANIA CV 3 axles – car transporter

Maximum mass 23000 kg



SCANIA TRACTOR CV 3 axles – tractor for semi-trailer



DESCRIPTION

The conversion to a 3 axle vehicle from a 4x2 is achieved by the **application of an intermediate light weight fixed axle**, with single wheels R17.5", pneumatic suspension. The air system is complete with fully automatic axle lift and drop function and a load transfer device improves traction on the drive axle by increasing the load by 30% up to a maximum speed of 30 km/h. The vehicle in this configuration is suitable for tractor or car transporter.

TECHNICAL NOTE

- The vehicle to be prepared must have pneumatic rear suspension.
- Vehicle wheelbase with range of 3700 mm to 5700 mm.
- The distance between the added axle and the drive axle is 1040 mm.
- The 2nd added axle has a pneumatic suspension.
- The added axle is complete with automatic axle lift (unloaded) & automatic drop (loaded).
- Load transfer function of up to 30% of maximum drive axle load up to 30 km/h.
- The base vehicle tyres on the 1st + 3rd axles are 315/60 R22.5.
- The tyres on the added 2nd axle can be either 235/75 R17.5 or 245/70 R17.5.
- The increase in vehicle weight after the conversion and fitted with tyres is approximately 500 kg. (axle 240 kg).
- MML axle transformation time is ~ 20 Hrs.
- Max limit: 1st axle: 7100 (or 7500) kg, 2nd axle: 4500 kg, 3rd axle (drive axle): 11500 kg.
- Weight limit on rear bogie is ≤ 16000 kg with and interaxis < 1300 mm.
- This equipment is available as a **complete KIT** to allow local installations by end user.

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