



## TECHNICAL SHEET

### ASTRA HD8 4x2 3 axles - configuration 1+2P

Maximum mass **26000 kg** – combination **44000 kg** (if towing)



#### DESCRIPTION

The transformation to 3 axles from a vehicle with 2 axle (4x2) with mechanical rear suspensions is achieved **by the application of a rear axle**, with single wheels, hydraulically steered or simple self-steered with mixed suspension. The hydraulic system for command steering on the added axle is completely independent and autonomous and does not effect in any way the steering on the original vehicle. The vehicle in this configuration is suitable for bodies uniform loads in general.

#### DIMENSIONS AND BODY FITTING

Type of cabin	STANDARD (distance 1 <sup>st</sup> axle ÷ start of body = 800 mm)			
	Wheelbase vehicle (*)	3800	4200	4600
Interaxis 2 <sup>nd</sup> ÷ 3 <sup>rd</sup> asse	1385			
Minimum body fitting	5700	6300	7000	7900
Maximum body fitting	6300	7000	7700	8600
Max limit: 1 <sup>st</sup> axle: 8000 (9000), 2 <sup>nd</sup> axle (drive axle): 12000, 3 <sup>rd</sup> axle: 7500				

Values are in kg and mm.

(\*) All intermittent wheelbases not detailed in the table are also available.

Note: the body fitting sizes specified are theoretical and must be checked in function of the real configuration of the vehicle.

#### TECHNICAL NOTE

- Increase in vehicle tare from application of the axle equipped with tyres is approximately 1000 kg.
- The turning radius remains with respect to 2 axle vehicles with the same wheelbase.
- The **suspension** of the 3<sup>rd</sup> added axle is **“mixed”** parabolic spring with mechanical pivots (similar to the drive axle) with pneumatic torpress bellows. The axle is fitted with an lifting device controlled manually from the cabin, to be used in slippery conditions to improve friction under the drive axle.
- The added axle is equipped with drum brakes as the other two axes.
- The **rear added axle** can be:
  - a **full command hydraulically steered axle** in both forward and reverse directions, type “TECHNOLOGY”, always active (even in stationary manoeuvres);
  - a **simple self-steer axle** (not with hydraulic command, must be blocked in reverse).
- Tyres available: 315/80 R22.5 or 13 R22.5.

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