



TECHNICAL SHEET

ASTRA HD8 4x2 into 8x2 - configuration 1+3

Maximum mass **32000 kg** – combination **44000 kg** (if towing)



DESCRIPTION

The transformation to 4 axles from a vehicle with 2 axles (4x2, but it's possible also for 4x4) with mechanical rear suspensions is achieved **by the application of two axles**, with single wheels, hydraulically steered with pneumatic suspension and complete with axle lifting device. The hydraulic system for command steering on the added axles 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 st axle ÷ start of body = 800 mm)			
Wheelbase vehicle (*)	4200	4600	5100	ASTRA's wheelbase
Interaxis 2 nd - 3 rd - 4 th axle	1400 + 1400			
Minimum body fitting	5900	6600	7500	Limit 1 st axle: 8000 kg
Maximum body fitting	6500	7200	8100	Limit tridem: 25600 kg
Max limit: 1 st axle: 8000 (9000), 2 nd axle: 7500, 3 rd axle (drive axle): 12000, 4 th 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.

A minimum load of 6400 kg is assured on the 1st axle – consequently the maximum load on the tridem is 25600 kg.

TECHNICAL NOTE

- Increase in overall vehicle weight after the conversion (including tyres) is approximately 2000 kg.
- The turning radius remains unchanged with respect to a 2 axle vehicle with the same wheelbase.
- The **suspension** of the 2nd and 4th added axle is **pneumatic**, with parabolic spring with mechanical pivots (similar to the drive axle) and pneumatic torpress air bellows. The central axle is fitted with a lift device controlled manually from the cab. The rear axle is fitted with an automatic lift and drop device.
- The added axles are equipped with drum brakes as the original vehicle axles.
- The two added axles are with **full command hydraulic steering** in both forward and reverse directions, type "TECHNOLOGY", always active except when the axles are lifted or the parking brake is selected.
- Tyres available: 315/80 R22.5 or 13 R22.5. Only on the single-axle 385/65 R22.5.

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