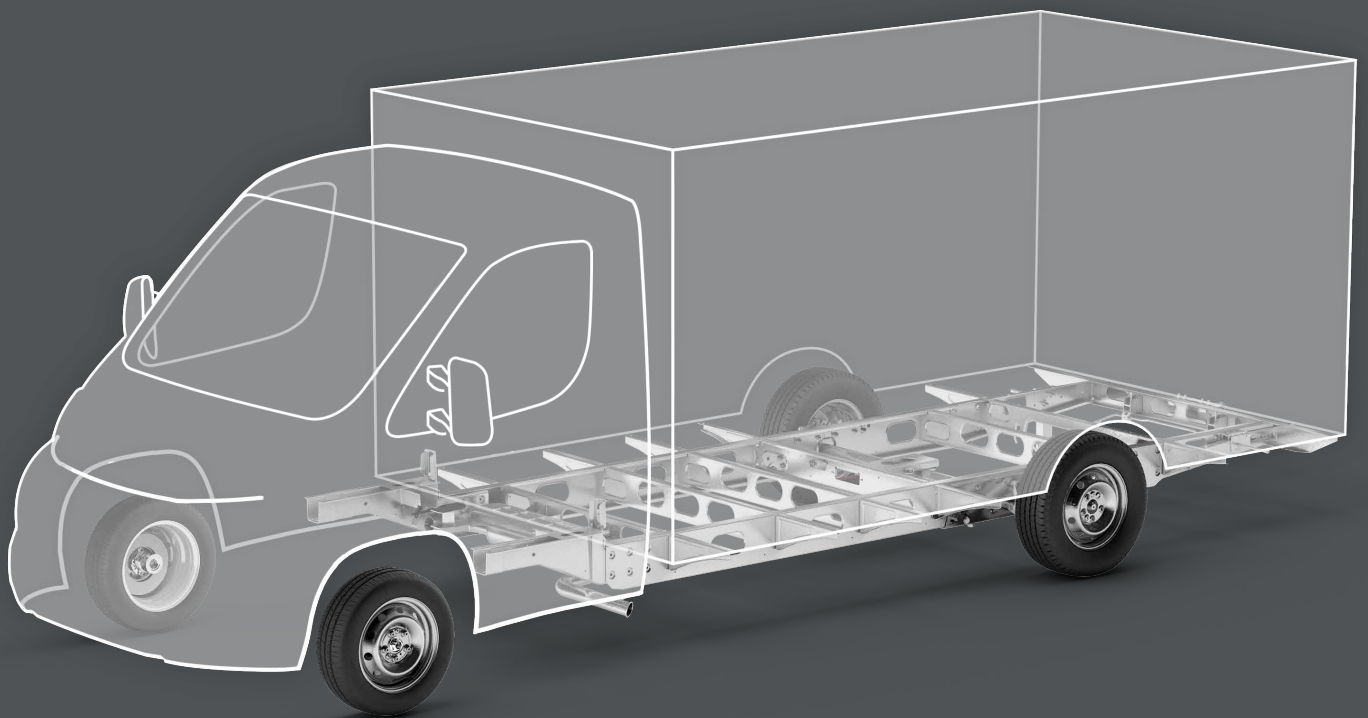


AL-KO LOW FRAME CHASSIS

FIAT DUCATO, PEUGEOT BOXER, CITROËN JUMPER,
OPEL/VAUXHALL MOVANO



CHASSIS TECHNOLOGY FROM AL-KO

LOW FRAME CHASSIS

The innovative low frame chassis concept with frame lowering of up to 220 mm (up to 310 mm with VARIO SPACE chassis) below the original frame results in a lower loading edge and/or frame height and a correspondingly reduced total vehicle height. The lower vehicle centre of gravity also significantly improves road holding, cornering response and cross-wind susceptibility.

FLEXIBLE FRAME DIMENSIONS

Variable wheelbases and overhangs in conjunction with the offered axle and frame gauges enable a customised solution for nearly all body types and transport requirements for optimal axle distribution.

LONG SERVICE LIFE

Hot-dip galvanised frame parts ensure optimal corrosion protection.

INCREASED PAYLOAD

Thanks to intelligent lightweight construction technology.

EASY TO SERVICE

Bolted frame parts are easy to service, ensuring shorter periods of downtime for repairs.

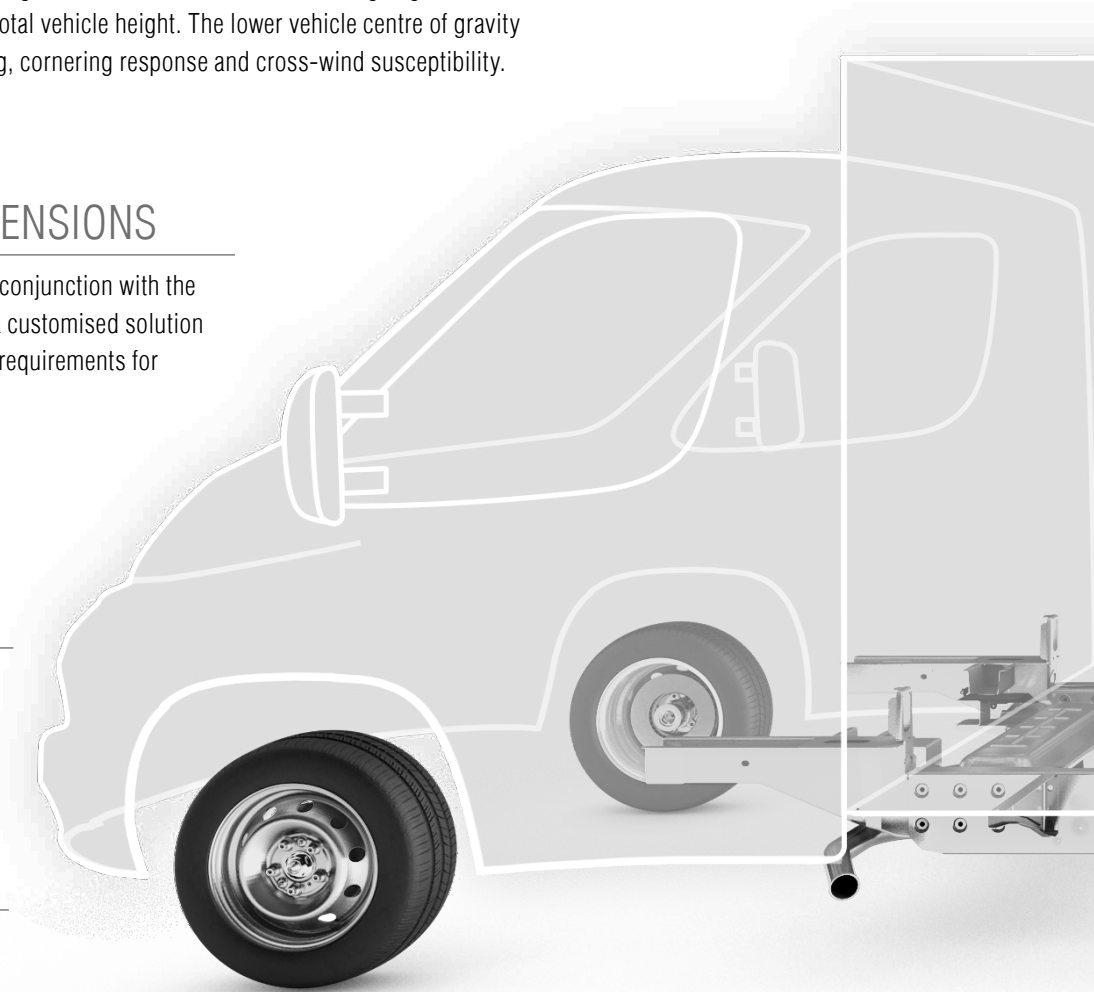
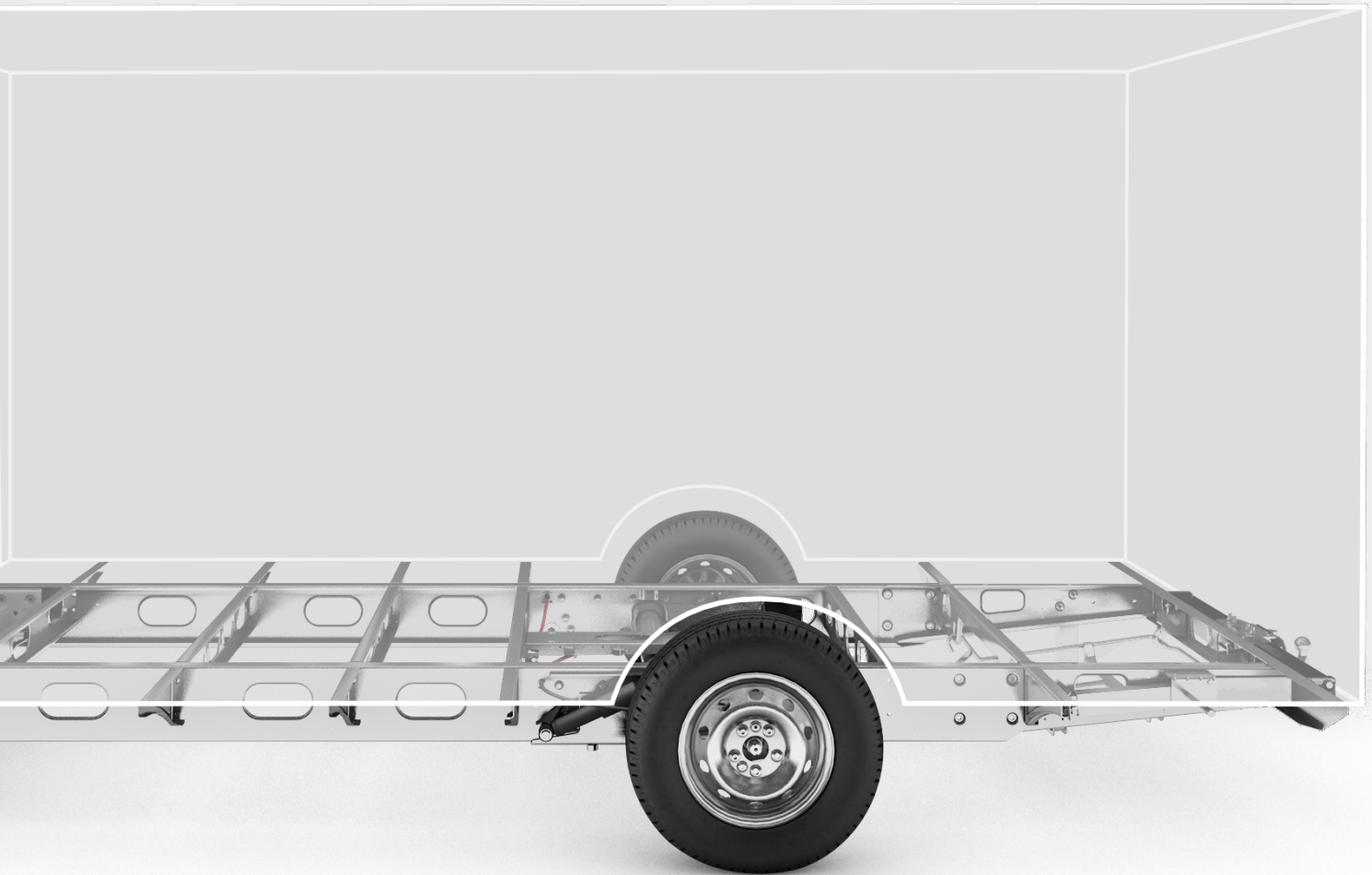


Figure shows special equipment



TRAILING ARM AXLE

The perfectly coordinated AL-KO trailing arm axle with independent wheel suspension and torsion bar suspension enables impressive, car-like suspension comfort. For the highest demands for comfort, the AL-KO Air Premium full air suspension system with automatic level control, lifting/lowering and auto-level function is also available as an option.



WIDE TRACK CHASSIS

The larger rear axle gauge, up to 310 mm compared to the original series chassis, has considerably improved roll stability, thus ensuring excellent driving dynamics, the best possible safety and outstanding driving comfort.

ESP

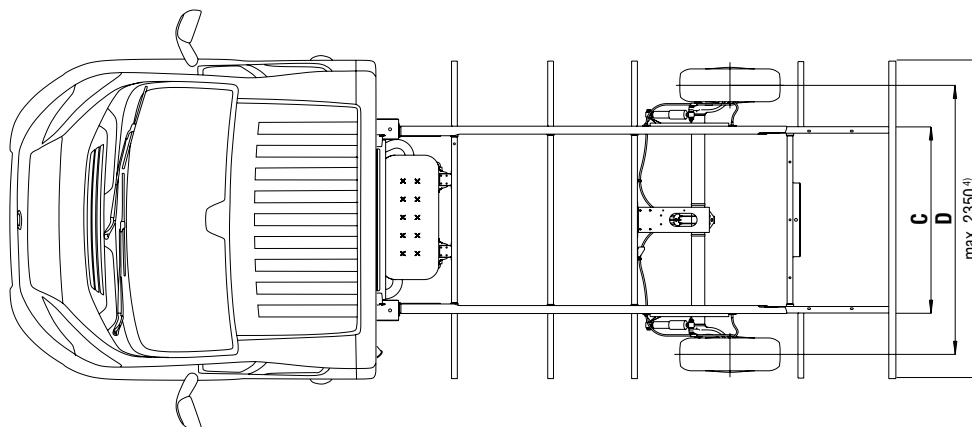
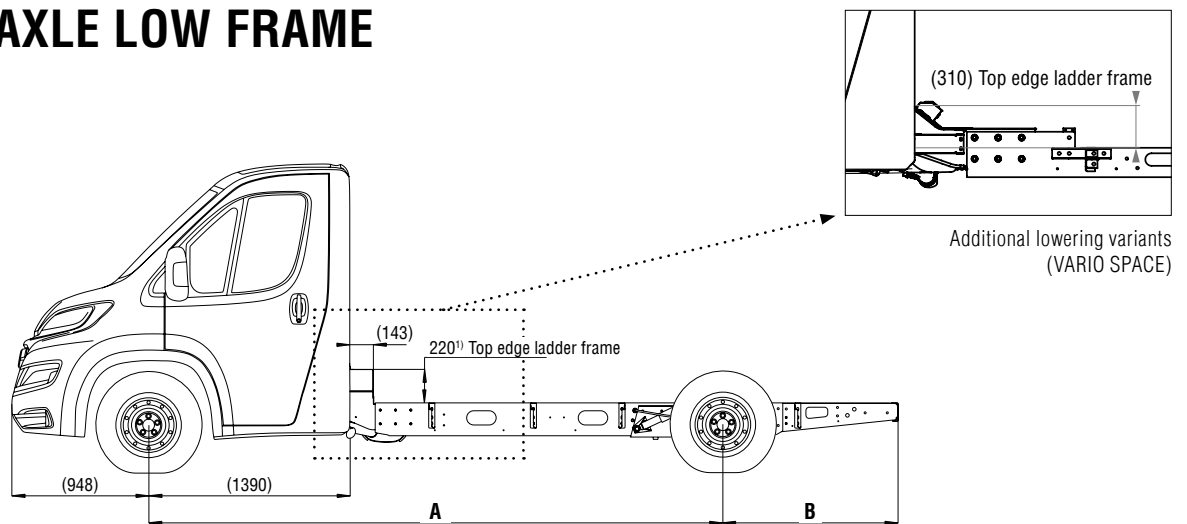
ESP (Electronic Stability Program) is available as standard as an added safety bonus.

NOTICE

Warranty work to the base vehicle is carried out by the base vehicle manufacturer's retailer network.

TECHNICAL DATA

AL-KO 2-AXLE LOW FRAME



Constant driving level in the axle area with air suspension (2-axle = approx. 490 mm)

STANDARD DIMENSIONS ⁶⁾

Wheelbase A (mm)	3,320 ²⁾ ; 3,450; 3,643; 3,800; 3,896; 4,035; 4,143; 4,343; max. 4,700
Overhang B⁵⁾ (mm)	824; 924; 1,024; 1,147; 1,247; 1,344; 1,447; 1,547; 1,647; 1,747; 1,847; 1,947; max. 2,500
Frame width C (mm)	1,152; 1,295; 1,535
Track width D (mm)	1,717 ⁷⁾ ; 1,860 ⁷⁾ ; 2,100 ³⁾

Spare wheel carrier (optional) can be mounted from overhang (B) 1,147 mm; length dimensions refer to track width 1,860 mm.

Technical modifications reserved.

FRAME HEIGHT IN AXLE RANGE ^(approx. values)

Tyre size	Frame height (mm)	
	empty	loaded
215/70 R 15C	520	420
225/70 R 15C		
225/75 R 16C	540	440

¹⁾ Further frame lowerings on request

²⁾ 3,320 mm wheelbase only for light type

³⁾ For a track width of 2,100 mm the frame longitudinal members are cranked.
Track width 2,100 mm only from wheelbase 3,643 mm

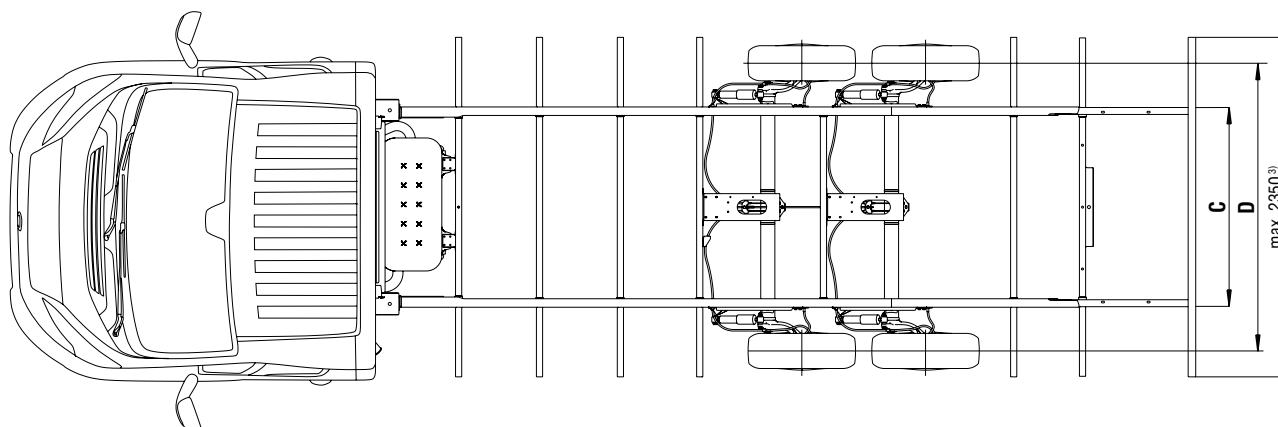
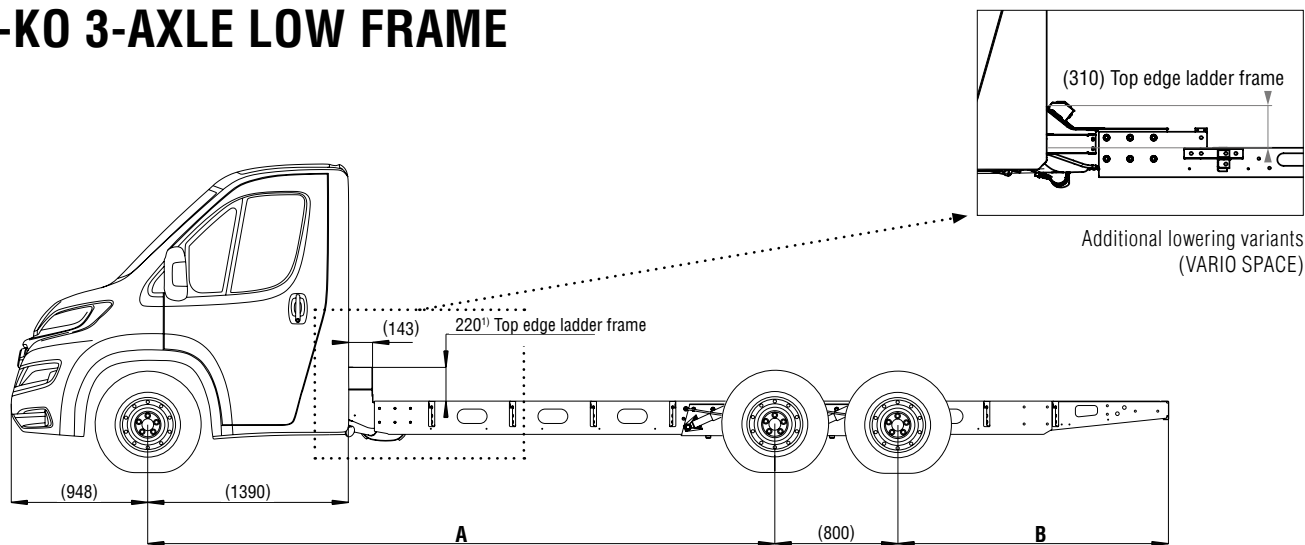
⁴⁾ Depending on the body width, use suitable exterior mirrors

⁵⁾ Overhang max. 60% of wheelbase A, max. 2,500 mm

⁶⁾ Deviating construction dimensions on request

⁷⁾ Track width in combination with torsion bar axle

AL-KO 3-AXLE LOW FRAME



Constant driving level in the axle area with air suspension (3-axle = approx. 500 mm)

STANDARD DIMENSIONS ⁵⁾

Wheelbase A (mm)	min. 3,450; 3,643; 3,800; 3,896; 4,035; 4,143; 4,343; 4,470; max. 4,700
Overhang B ⁴⁾ (mm)	824; 924; 1,024; 1,147; 1,247; 1,344; 1,447; 1,547; 1,647; 1,747; 1,847; 1,947; max. 2,500
Frame width C (mm)	1,152; 1,295; 1,535
Track width D (mm)	1,717 ⁶⁾ ; 1,860 ⁶⁾ ; 2,100 ²⁾

NOTICE: 3-axle low frame only approved for integral bodies!
Other body types after consultation.

Spare wheel carrier (optional) can be mounted from overhang (B) 1,147 mm; length dimensions refer to track width 1,860 mm.

Technical modifications reserved.

FRAME HEIGHT IN AXLE RANGE (approx. values)

Tyre size	Frame height (mm)	
	empty	loaded
225/75 R16 C	560	470

¹⁾ Further frame lowerings on request

²⁾ For a track width of 2,100 mm the frame longitudinal members are cranked
Track width 2,100 mm only from wheelbase 3,643 mm

³⁾ Depending on the body width, use suitable exterior mirrors

⁴⁾ Overhang max. 60% of wheelbase A, max. 2,500 mm

⁵⁾ Deviating construction dimensions on request

⁶⁾ Track width in combination with torsion bar axle

TYPE OVERVIEW

Permissible weights, axle loads, towable loads

AL-KO type	Base vehicle type	Base vehicle model	Vehicle class	Perm. gross weight kg	Perm. front axle load kg	Perm. rear axle load kg	Perm. towable load kg	Perm. gross combination weight kg	Permitted wheelbase range
AMC 35L	35L / 335 / 3-35	Fiat Ducato Peugeot Boxer Citroën Jumper Opel/Vauxhall Movano	M1*/N1	3,500	1,850 1,960 ¹⁾	2,000	2,000	5,500	3,300 – 4,700 mm
AMC 45H	40H / 440 / 4-40	Fiat Ducato Peugeot Boxer Citroën Jumper Opel/Vauxhall Movano	M1*/N2	4,500	2,100	2,500	2,000	6,000	3,450 – 4,700 mm
AMC 50HS	40H / 440 / 4-40	Fiat Ducato Peugeot Boxer Citroën Jumper Opel/Vauxhall Movano	M1*/N2	5,000	2,100	1,600 / 1,600	2,000	6,000	3,450 – 4,700 mm

*M1 with special purpose vehicles

1) For chassis cabs in combination with automatic transmission

ALKO can provide corresponding system approvals for class changes and approval procedures for specific uses on request. The customer is responsible for ensuring their eligibility for approval.

NOTES

I Before ordering the chassis cab and placing the order with Alois Kober GmbH, the customer is responsible for checking whether the completed vehicle can be approved in the planned configuration. The requirements with regard to WLTP must also be checked independently using the calculation tools provided by the base vehicle manufacturer.

I Permitted body type

3-axle low frames are only approved for integral bodies! Please contact us for other body types.

Required/useful if needed:

I Digital tachograph (for vehicle class N2 => perm. gross weight > 3,500 kg)
(without calibration of standard equipment on Ducato Maxi 40)

Fiat code

0TK

PCOV code**

HC09

I Exterior mirrors for vehicle width 2,350 mm
(no retrofitting by AL-KO possible)

042

RX05

I Rear lights cable extension – loose (not in AL-KO scope of delivery!)

391

KY06

I Original rear lights – loose (not in AL-KO scope of delivery!)

4EA

SY05

**PEUGEOT - CITROËN - OPEL - VAUXHALL

ACCESSORIES / SPECIAL EQUIPMENT

Permitted chassis variants
Torsion bar suspension, Air Premium X2/X4
Torsion bar suspension, Air Premium X2/X4
Torsion bar suspension, Air Premium X2/X4

MECHANICAL CLICKFIX STEADY LEG



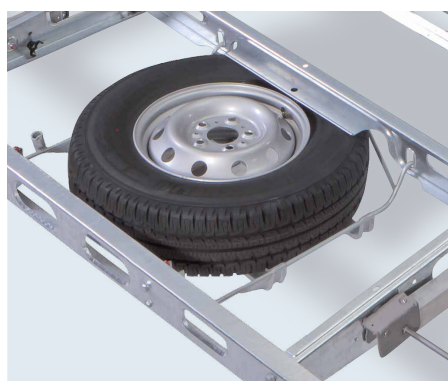
- | Robust construction for firm, secure positioning
- | Quick and easy operation: Just half a turn of the crank is enough to move the steady leg into the vertical support position
- | Dynamic load capacity 500 kg, static 1,000 kg

AIR PREMIUM X4 FULL AIR SUSPENSION SYSTEM



- | Optimal suspension comfort
- | Fully automatic level regulation
- | Many lifting-lowering functions
- | Soft-touch remote control as standard
- | Maintenance-free
- | Optionally also for AL-KO rear axle(s) only (Air Premium X2)

SPARE WHEEL CARRIER



- | Spare wheel secured in the rear of the chassis
- | Easy retrofitting to most AL-KO chassis with straight rear structure
- | Low mounting effort and easy to operate

TOWBAR



- | Precisely correlated to the AL-KO chassis
- | With the highest level of safety
- | Low mounting effort
- | High-quality surface protection

AMC VARIO SPACE

The latest generation of low-frame chassis

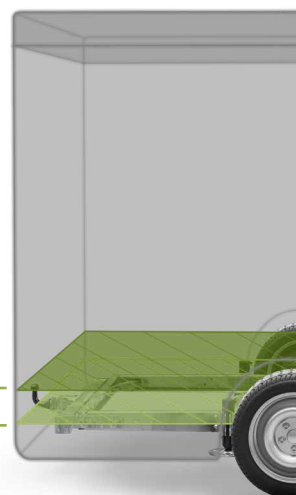
- | Reduced vehicle height improves aerodynamics and reduces CO2 emissions
- | More payload and less fuel consumption through lightweight construction technology
- | Improved driving comfort from the suspension specialist
- | More driving safety due to low centre of gravity



Original chassis

SPACE GAIN

AMC VARIO SPACE



Member of **DEXKO**
GLOBAL

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