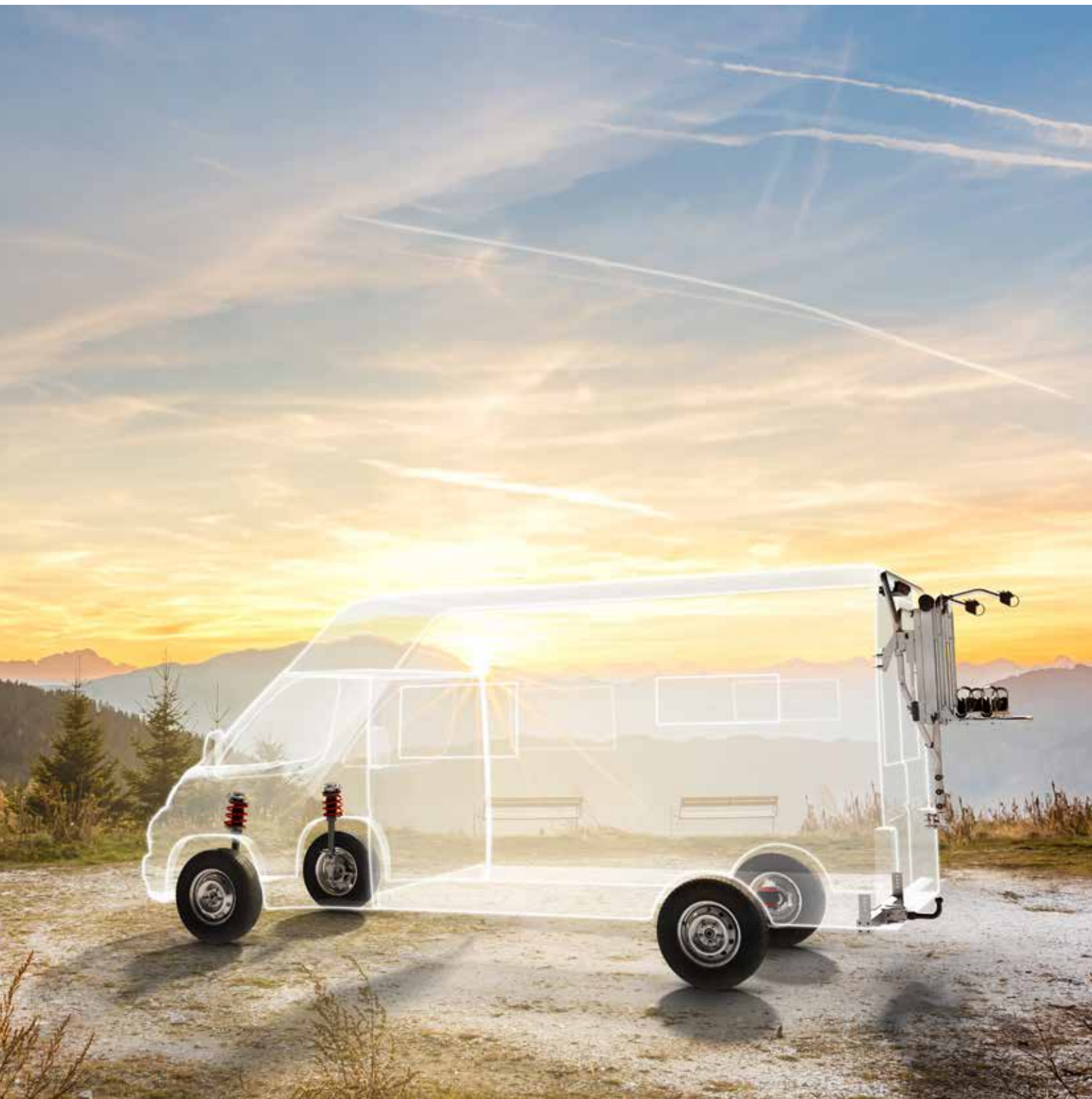


**AL-KO**  
QUALITY FOR LIFE

# HIGH-TECH COMPONENTS FOR VANS





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# AL-KO

## QUALITY FOR LIFE



### FROM THE VILLAGE FORGE TO A GLOBAL CORPORATION

Our roots were planted in a small village smithy. The fact that a global corporation has emerged from these humble roots is also because we are constantly aware of what our identity represents and what values the company has always embodied: Quality, innovation in product and process as well as reliability and sustainability in our internal and external customer relations. That is the basis of our pursuit of sustainable growth and quality leadership in our business fields.

Since 2016 we have been making our contribution to the DexKo Group, the world's leading manufacturer of axles and chassis components in the lightweight segment. We are proud to continue in successfully shaping this development together with DexKo and to convey our brand promise of quality, safety and comfort for our products and services to the world.

Member of **DEXKO**  
G L O B A L



## VEHICLE TECHNOLOGY

Our vehicle technology products for motorhomes, caravans, commercial vehicles and commercial trailers guarantee the greatest safety and comfort. In any situation. With our premium solutions for vehicles in commercial use, we are meeting the most exacting customer requirements in terms

of ergonomics. For leisure vehicles we pave the way for a positive start to your holidays and a relaxed return home. We are always your reliable companion – for more joy on the road.



# HIGH-TECH COMPONENTS

**OUR INNOVATIONS  
FOR IMPROVED QUALITY OF LIFE**



AIR TOP –  
ADDITIONAL AIR SUSPENSION

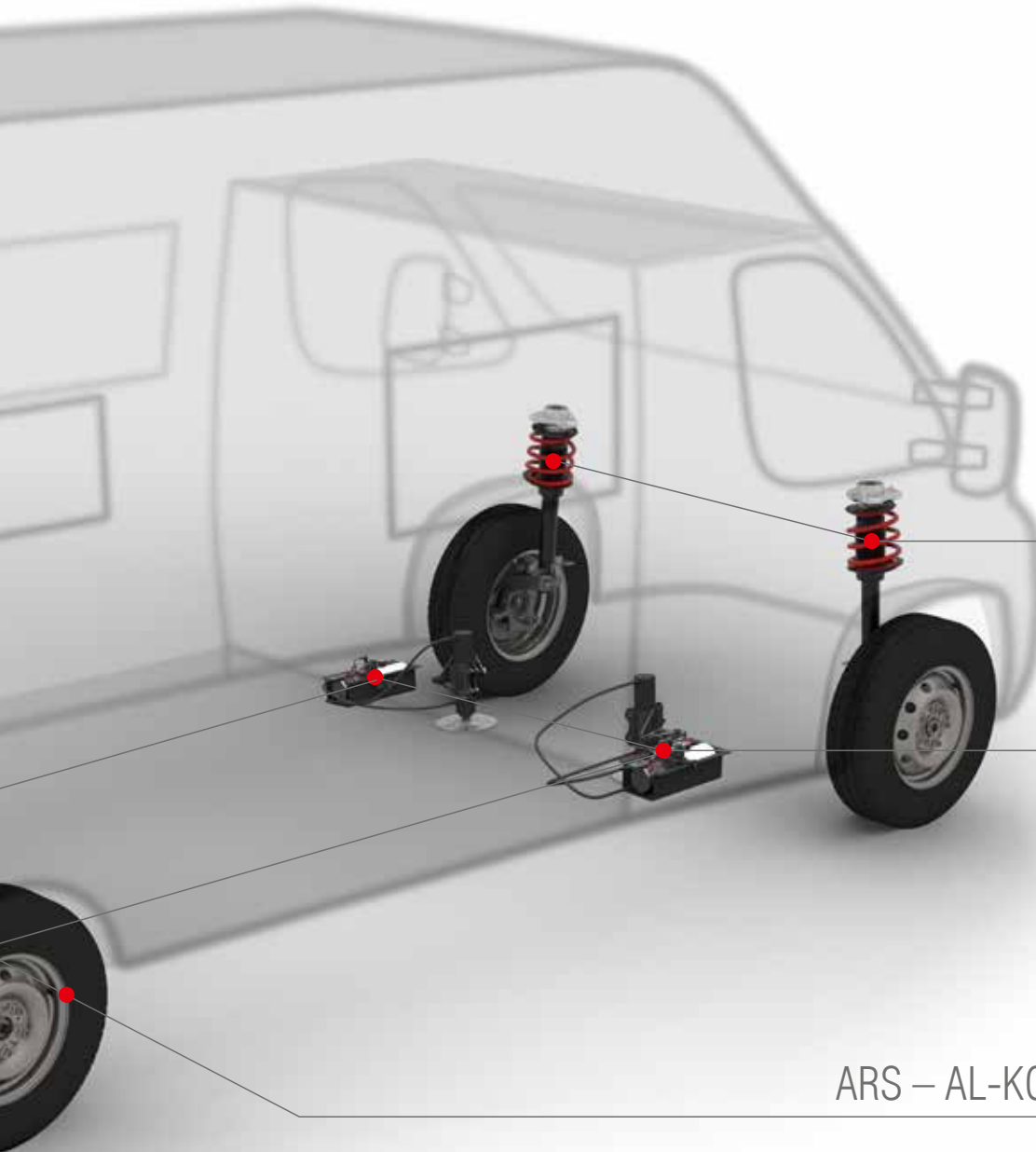
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## RELIABILITY

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Enjoy your holiday from the very start! The well-engineered chassis components from AL-KO ensure that you can rely on your motorhome in any driving situation.



ACS  
AL-KO COMFORT  
SUSPENSION

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HY4

Page 16 – 17

ARS – AL-KO REAR SUSPENSION

Page 13





## EXPERIENCE

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For over 85 years, AL-KO has been developing and producing products that meet the needs of all customers with sophisticated and proven technology.

# AL-KO PRODUCTION HIGHEST STANDARDS AND QUALITY



## COOPERATION

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The ongoing collaboration of the AL-KO Development department with leading van manufacturers lays the foundation for improved safety, noticeably improved driving dynamics and maximum driving comfort.

This know-how has made us a valued partner of the motorhome industry across the globe.

From component to product – precision and care define the manufacturing process



# CHASSIS COMPONENTS









# CHASSIS COMPONENTS

## HIGH-TECH COMPONENTS FOR YOUR COMFORT

### FRONT AXLE STRUT ACS – AL-KO COMFORT SUSPENSION

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- | Impressive suspension comfort on the front axle
- | Reduction of vibrations at the steering wheel
- | Better driving experience thanks to excellent road-holding feedback
- | Simple retrofitting
- | Superb driving stability and safety thanks to reduced roll and pitch movements
- | Reduced noise levels inside the vehicle
- | Robustness and longevity
- | Completely maintenance-free
- | Protection of vehicle, structure and load
- | Suitable for Fiat Ducato / Peugeot Boxer / Citroën Jumper X250 (from model year 2006) in the 33L and 35L versions



**YOUR RELIABLE COMPANION  
IN EVERY SITUATION**



## MORE COMFORT

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When it comes to driving pleasure, the chassis naturally – in addition to performance – plays a central role. A chassis solution is required that offers the highest driving comfort along with enhanced safety, especially on long holiday journeys. AL-KO combines these expectations and now owners of van-based motorhomes can profit from this. The AL-KO vehicle component specialist offers a retrofit solution for noticeably improved comfort for both the front and rear axles of the popular vans Fiat Ducato, Peugeot Boxer and the Citroën Jumper X250 generation. This consists of the system for the AL-KO Comfort Suspension (ACS) front axle and the systems for the AL-KO Rear Suspension (ARS) rear axle as well as the AL-KO Air Top additional air suspension.



### AIR TOP ADDITIONAL AIR SUSPENSION

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- I Additional air suspension for original chassis (base vehicles: Fiat Ducato, Peugeot Boxer and Citroën Jumper)
- I Manual raising of the rear axle by up to max. +50 mm while stationary
- I Improved roll stability
- I 100% maintenance-free
- I External air supply (e.g. mobile 12 V compressor)
- I Suitable for Fiat Ducato / Peugeot Boxer / Citroën Jumper X250



### ARS – AL-KO REAR SUSPENSION REAR AXLE SUSPENSION SYSTEM

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- I Increased driving comfort at the rear axle
- I Improved driving dynamics via the rear axle
- I Avoidance of “sinking” at the rear axle
- I Robustness and longevity
- I Completely maintenance-free
- I Protection of vehicle, structure and load
- I Reduced noise levels inside the vehicle
- I Simple retrofitting
- I External air supply (e.g. mobile 12 V compressor)
- I Suitable for Fiat Ducato / Peugeot Boxer / Citroën Jumper X250 (from model year 2006) in the 33L and 35L versions



Compressor kit, consisting of an ergonomic control panel for the cockpit and a compressor.

# COMFORT ACCESSORIES







# COMFORT ACCESSORIES

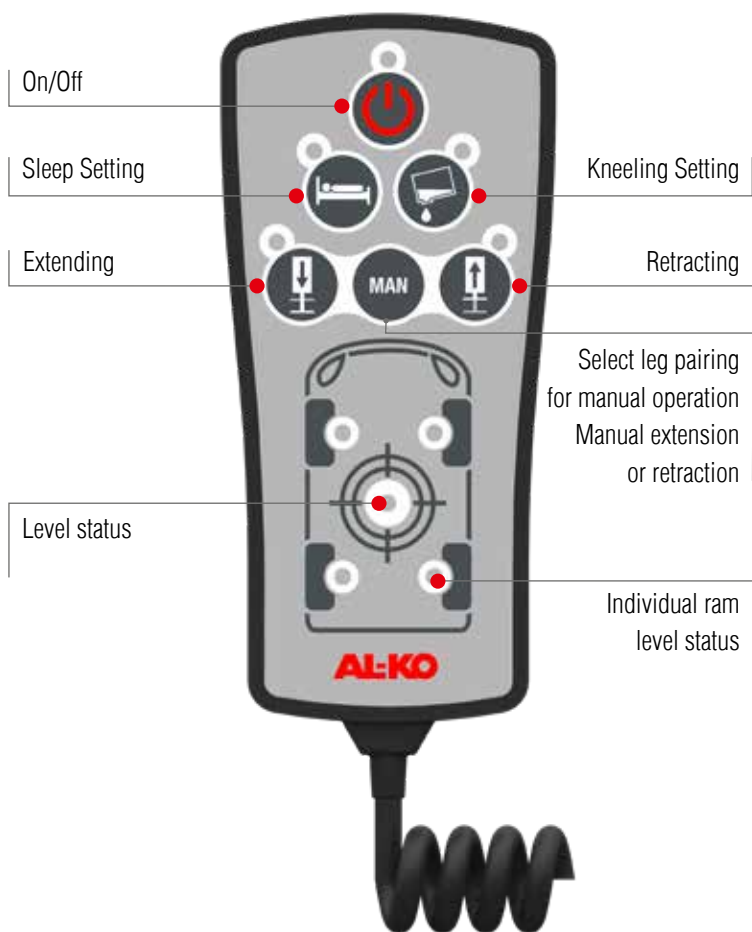
## HY4 – HYDRAULIC SUPPORTING SYSTEM

### SECURE FOOTING

The AL-KO HY4 hydraulic steady leg system ensures stability in the living area. Now also available for vans with original FIAT chassis.

The AL-KO HY4 also automatically levels the van in the horizontal position in just a minute. The AL-KO HY4 is a unique hydraulic steady leg system that doesn't require the installation of hydraulic components in the vehicle interior. Therefore, it is one of the most modern hydraulic systems on the market.

The AL-KO HY4 is intuitive and easy to use via the remote control in the driver's cab. Easy to understand buttons control the steady legs for manual and automatic levelling. In addition, two additional functions can be freely programmed: e.g. your personal sleeping position and the tilt for emptying the waste water tank. Once purchased, the steady leg system can be easily reconfigured when you change vehicles – so your new motorhome is also stable. AL-KO HY4 comes with the familiar excellent AL-KO quality – durable, robust, maintenance-free and quiet.





## UNIQUE

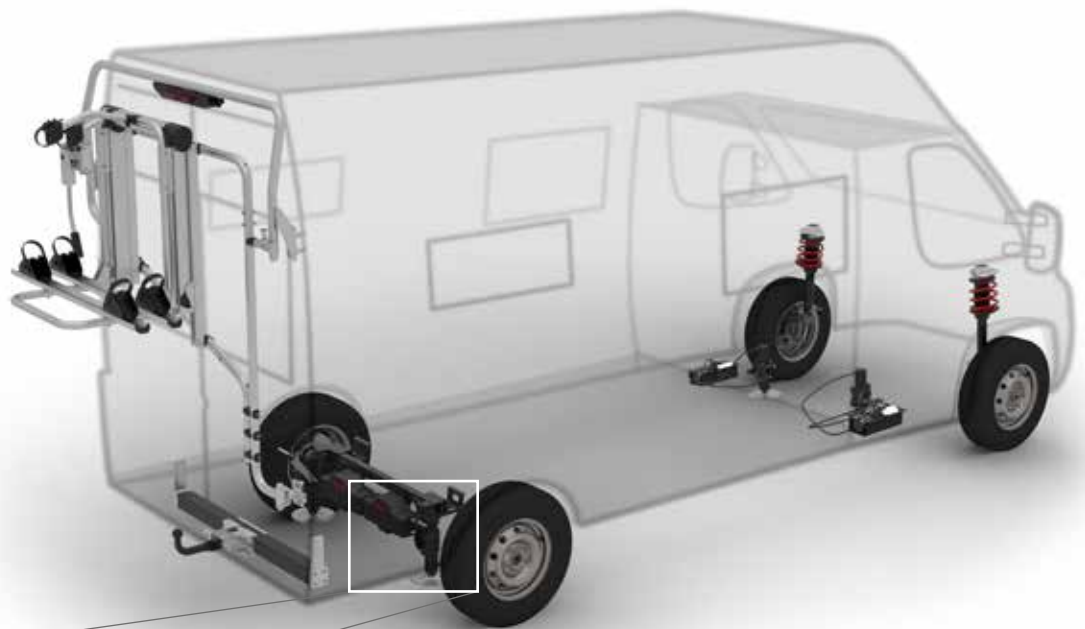
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**I Clean and space saving** – no bulky hydraulic components inside the vehicle.

**I Intuitive LED remote control** – vehicle levelled in one minute.

**I Optimum weigh distribution** – four independent hydraulic assemblies mounted onto the chassis.

**I High professional quality** – certified mounting brackets from the chassis specialists.





# TECHNICAL DATA

## AIR TOP – AL-KO ADDITIONAL AIR SUSPENSION

**Additional air suspension for use with the original chassis (lead frame, special chassis, flat bed and van).**

### Approval

Vehicle documents must be altered accordingly based on part certificate of conformity.

### Permitted gross weights X230, X244

Permitted in Europe based on EC brake certificate of conformity<sup>1</sup>

**I Type 14/15** up to 3,400 kg permitted gross weight<sup>2</sup>  
I With and/or without ABS

**I Type 18/Maxi** up to 3,500 kg permitted gross weight<sup>2</sup>  
I With and/or without ABS

I Special case: Permitted in Germany based on part certificate of conformity<sup>3</sup>

**I Type 14/15** up to 3,500 kg permitted gross weight  
I With and/or without ABS

I Min. empty weight 2,500 kg  
I Minimum rear axle weight 1,250 kg (with screw-in regulator)

I Tyre load capacity index min. 109/107 Q

**I Type 18/Maxi** up to 3,500 kg permitted gross weight  
I With and/or without ABS

**I Type 18/Maxi** up to 3,850 kg permitted gross weight  
I With or without ABS for vehicle class M1<sup>4</sup>

I Min. empty weight 2,500 kg  
I Minimum rear axle weight 1,250 kg (with screw-in regulator)

I Tyre load capacity index min. 110/108 Q

**I Type 18/Maxi** up to 4,000 kg permitted gross weight  
I With ABS

I Min. empty weight 2,500 kg  
I Min. weight rear axle 1,250 kg

I Tyre load capacity index min. 113/111 Q

**I For vehicles without ABS, a screw-in regulator must be ordered separately (not part of the scope of supply)!**

### Permitted gross weights X250

Permitted in Germany based on part certificate of conformity<sup>5</sup>

**I Type 35**

I Without ESP up to 3,700 kg permissible gross weight<sup>2</sup> (tyre load index at least 109/107 Q)

I With ESP up to 3,500 kg permitted gross weight<sup>6</sup>



### I Type 36.5

I Without ESP up to 3,700 kg permissible gross weight<sup>2</sup> (tyre load index at least 109/107 Q)

I With ESP up to 3,650 kg permitted gross weight<sup>6</sup>

### I Type 35 Maxi

I Without ESP up to 3,850 kg permissible gross weight<sup>2</sup> (tyre load index at least 116/114 Q)

I With ESP up to 3,500 kg permitted gross weight<sup>6</sup>

### I Type 40/42.5 Maxi

I Without ESP up to 4,250 kg permitted gross weight<sup>2</sup>

I With ESP up to 4,250 kg permissible gross weight<sup>2,6</sup> (tyre load index at least 116/114 Q)

<sup>1</sup> Type 14/15: e11\* 71/320\*2002/78\*4639\*01,  
Type 18/Maxi: e11\* 71/320\*2002/78\*4638\*01.

<sup>2</sup> The max. permissible front and rear axle loads of the original base vehicle must not be exceeded.

<sup>3</sup> 375-0007-05-FBKV.

<sup>4</sup> Vehicle class can be obtained from the respective body manufacturer.

<sup>5</sup> 07-00015-CX-GBM.

Designation	Suitable for	Weight kg	Part no.
AL-KO Air Top kit for single/double layered leaf springs	Vehicles with ABS – types X230 and X244 Fiat Ducato/Peugeot Boxer/Citroën Jumper	12.5	222 619
AL-KO Air Top kit for single/double layered leaf springs	Vehicles with ABS – (standard), type X250 Fiat Ducato/Peugeot Boxer/Citroën Jumper	9.5	1 250 945 1 569 093
Screw-in regulator kit	Vehicles without ABS – Types X230/X244	0.5	420 150
Compressor kit	Fiat Ducato/Peugeot Boxer/ Citroën Jumper Type X250		1 569 093

## ACS – AL-KO COMFORT SUSPENSION

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Designation	Year of manufacture	Vehicle variant	Permitted front axle load	Part no.
ACS for vans based on Fiat, Peugeot and Citroen Type X250	from 2006	33 Light	1,750 kg	1 710 622
ACS for vans based on Fiat, Peugeot and Citroen Type X250	from 2006	35 Light	1,850 kg	1 710 623
ACS for vans based on Fiat, Peugeot and Citroen Type X250	from 2006	33 Light	1,750 kg	1 710 249*
ACS for vans based on Fiat, Peugeot and Citroen Type X250	from 2006	35 Light	1,850 kg	1 710 250*

\* incl. original Fiat strut bearing kit



## ARS – AL-KO REAR SUSPENSION

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Designation	Year of manufacture	Vehicle variant	Part no.
ARS for vans based on Fiat, Peugeot and Citroen Type X250	from 2006	33 Light 35 Light	1 710 140



## HY4

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Designation	Part no.
HY4 X250 Fiat original chassis EHA (installation behind the rear axle outside)	1 710 852*
HY4 X250 Fiat original chassis EHI (installation connection in front of / behind the rear axle inside)	1 710 853*

\*incl. assemblies, controller/electrics, brackets and small parts





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GLOBAL

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