

AL-KO VT

VEHICLE TECHNOLOGY

Member of **DEXKO**
GLOBAL

PREMIUM ACCESSORIES FOR CARAVANS



ALWAYS TRAVEL SAFELY

If you love freedom on four wheels and exploring new destinations, our brands stand for the highest quality, innovation and reliability. We offer sophisticated solutions that make every journey safer, more comfortable and truly unforgettable.

Put your trust in premium accessories that are perfectly suited to your caravan.

Lots more information material such as websites and videos

Websites Here you will find lots more information and links to our videos

Product videos The products are presented here clearly and concisely

Explanation videos The product manager explains the product comprehensively and in detail



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LevelC

MAXIMUM FREEDOM FOR YOUR CARAVAN

Worries about uneven pitches are a thing of the past

Enjoy greater freedom and comfort when travelling with LevelC. The entire system weighs only 20 kg more than mechanical crank supports and is very easy to control: arrive at the pitch, press the button, and the caravan is levelled in no time. Thanks to the six fully automatic supports, your caravan stands stably on any surface and is even protected against theft.

Experience maximum comfort in your caravan!



SIMPLE RETROFITTING

The LevelC System for caravans can be retrofitted on practically all existing single-axle and tandem-axle chassis.

FULLY AUTOMATICALLY IN UNDER TWO MINUTES

- | Easy control at the touch of a button with the control panel or optionally via touchpad
- | Individual levelling of the supports is possible
- | Optional emergency hand pump (to retract the supports if necessary)



Website

COMFORT AND LIGHTNESS COMBINED

- | Thanks to the use of lightweight materials, the LevelC System weighs only approx. 20 kg more than mechanical crank supports
- | Ideal combination of light weight with maximum stability
- | This enables more payload

ADVANTAGES AT A GLANCE

- | Horizontal in a few minutes
- | Fully hydraulic
- | Extremely light
- | Steady and secure thanks to AL-KO VT Big Foot steady legs
- | Immediately ready for use
- | For single and tandem-axle caravans up to 3.5 tonnes gross weight



ADDITIONAL BENEFITS ANTI-THEFT PROTECTION

At the same time, the caravan can no longer be moved, making it theft-proof when parked in unsupervised areas.

SCOPE OF DELIVERY

- | 4 x hydraulic AL-KO VT Big Foot supports
- | 2 x hydraulic axle supports
- | 1 x control panel
- | 1 x hydraulic assembly

UP4



Website

SUPPORTS FOR SAFE PARKING

Treat yourself to the convenience of electrically operated supports

The **UP4** electronic support system for caravans is the solution to a tedious problem familiar to all caravan owners. And best of all, the **UP4** can be retrofitted on your AL-KO chassis at any time. All 4 supports can be extended and precisely adjusted at the touch of a button with the help of the high-quality electronic drive.

The system is suitable for caravans up to 2.5 t, and metal parts are hot-dip galvanised for long-term corrosion protection. The electric drive is also protected by a plastic cover.

The **UP4** also offers integrated anti-theft protection. The special spindle end on the supports can only be operated with the corresponding special adapter.

1

ONE STEP FASTER

No matter how fast you can crank, the UP4 electronic support system does it faster. And more conveniently.

2

ONE STEP MORE COMFORTABLE

Lower and adjust the supports simply by remote control. Spares your back. And your nerves.

3

ONE STEP MORE STABLE

The UP4 lets you compensate for uneven ground electronically, and it comes with Big Foot™ included. For secure positioning and greater stability whatever the ground.

4

ONE STEP MORE INTELLIGENT

Combine the UP4 with the RANGER: Elegant parking and manoeuvring in future with just one remote control.





ADVANTAGES AT A GLANCE

- I Hot-dip galvanised, corrosion-protected metal parts
- I Plastic cover to protect the electric drive
- I The Big foot™ steady legs from AL-KO are already mounted.
- I Built-in anti-theft lock
- I Ideal for use with the AL-KO RANGER manoeuvring system – manoeuvring and the lowering and raising of the supports goes hand-in-hand with just one remote control



Technical data		
Power supply		12 Volt DC
Average current consumption		6 Amps
Maximum electricity consumption		24 Amps
Remote control transmitter frequency		868 MHz
Weight		40 kg (without battery)
Caravan min. permitted gross weight		800 kg
Caravan max. permitted gross weight		2,500 kg
Supports power source (battery)		12 V, 20 Ah (min.)
Remote control (battery) power source		PP3 9V
Designation	Additional weight kg	Art. No.
UP4	approx. 17.5 kg	1731376

MAMMUT GALAXY

NEW DIMENSIONS OF MANOEUVRING. ARRIVE IN ANOTHER WORLD.

LIGHTWEIGHT. FAST-MOVING. PRECISE IN EVERY SITUATION.

The moment you arrive changes everything. Movement gives way to stillness. Tension gives way to relaxation. The MAMMUT GALAXY lets you effortlessly manoeuvre your caravan into position – **easily, precisely and noticeably faster**. So your holiday can begin the moment you arrive.

MAMMUT GALAXY. Setting the benchmark for new dimensions of manoeuvring.

A NEW DIMENSION OF PRECISION **EASY TO CONTROL. HARD TO BEAT.**

The MAMMUT GALAXY remote control impresses with its clean, minimalist design. The precise joystick allows **manoeuvring with millimetre-level accuracy**, while **three speed settings** ensure the right level of control at all times. For a control unit that doesn't feel complicated – but simply works.





Website

A NEW DIMENSION OF WEIGHT **INCREASED PAYLOAD. LESS WEIGHT.**

With a **system weight from just 25 kg**, the MAMMUT GALAXY sets new standards and is one of the lightest manoeuvring systems on the market. Less weight means more payload, more options, and more freedom – without compromising on performance or comfort.

A NEW DIMENSION OF SPEED **GET THERE FASTER.**

At speeds of **over 1.0 km/h**, the MAMMUT GALAXY is one of the fastest manoeuvring systems in its class. Experience maximum efficiency and manoeuvre your caravan into the desired position **quickly, precisely and effortlessly** – leaving you with even more time to enjoy your holiday.



A NEW DIMENSION OF SAFETY **MORE DISTANCE. LESS RISK.**

The patented construction ensures **maximum ground clearance** and reliably protects the manoeuvring system from coming into contact with the ground. The **fully automatic adjustment** at the touch of a button ensures optimum contact pressure on the tyres at all times. This ensures that the MAMMUT GALAXY remains securely and reliably in position at all times, even on uneven surfaces, ramps or kerbs.





A NEW DIMENSION OF FLEXIBILITY READY FOR ANY CHALLENGE

The control unit can be **positioned flexibly** inside the caravan and is compatible with both traditional 12 V onboard batteries and modern 18 V cordless tool batteries. Thanks to its integrated **service interface for diagnostics and software updates**, the Mammut Galaxy remains flexible long-term and is always up to date.

A NEW DIMENSION OF PROGRESS MORE POWER, MORE EASE

State-of-the-art 18 V rechargeable battery technology and compatibility with the cross-brand CAS battery system make the MAMMUT GALAXY unique. Easy to replace, simple to charge, and always ready for use.

Less weight, more speed and smart technology – for new dimensions of manoeuvring.



SUPERIOR IN EVERY DIMENSION



Light
from 25 kg



Fast
>1.0 km/h



Safe
with max.
ground
clearance



Precise
Infinitely
variable
control



Flexible
Power
supply



Efficient
Planetary
transmission



Obstacles
up to 4 cm



Gradients
up to 35%

VARIANTS OVERVIEW

Item no.	Variants	Weight
1734061	Mammut Galaxy 1,800 kg SA, M-connection	26.0 kg
1734062	Mammut Galaxy 1,800 kg SA, U-connection	25.0 kg
1733955	Mammut Galaxy 2,500 kg SA, M-connection	26.0 kg
1733950	Mammut Galaxy 2,500 kg SA, U-connection	25.0 kg
1734065	Mammut Galaxy 3,500 kg TA, M-U-connection	48.5 kg
1734064	Mammut Galaxy 3,500 kg TA, U-U-connection	48.5 kg
1734066	18 V LIHDX 4.0 Ah rechargeable batteries + charger	2.0 kg
1734067	18 V LIHDX 8.0 Ah rechargeable batteries + charger	3.0 kg
1734068	PowerXtreme X10 Li-Ion battery incl. charger (0–1,500 kg)	2.1 kg
1734069	PowerXtreme X20 Li-Ion battery incl. charger (0–1,800 kg)	3.8 kg
1730595	PowerXtreme X30 Li-Ion battery incl. charger (0–3,500 kg)	5.0 kg
1655264	Optima BlueTop 75 Ah battery (0–3,500 kg)	26.5 kg
1655265	Charger for Optima BlueTop 75 Ah battery	4.2 kg
1733948	12 V battery energy supply cable harness*	1.0 kg

*A 12V cable harness is only required when powered by a 12 V battery (not required for 18 V rechargeable batteries!)



RANGER



THE CLEVER **MANOEUVRING** SYSTEM

AL-KO quality and design at an affordable price

The AL-KO RANGER manoeuvring system lets you control your caravan with millimetre precision and zero effort. You can manoeuvre the caravan to your desired location even in the tightest of spaces and on steep surfaces using the practical remote control. Equipped with the RANGER manoeuvring system, the caravan can be practically rotated 360 degrees around its own axis. This powerful entry-level model is ideal both for single-axle caravans up to 1.8 tonnes as well as for tandem axles up to 2.5 tonnes.



Our tip:

Ranger and UP4 are unbeatable in a package because both systems can be operated with just one remote control!



360°
turns



Soft start
& soft stop



Obstacles
up to 2 cm



Gradients
up to 18% (SA)





Website

Your advantage

- | AL-KO quality and design
- | Climbing power up to 18% (long gradient), over 18% (short gradient, e.g. drive-on ramps)
- | Perfect and tested AL-KO chassis connection from Europe's chassis market leader
- | Soft start and soft stop
- | Ergonomic remote control with lanyard
- | Suitable for almost any caravan up to 1.8 t (single-axle) or 2.5 t (tandem)
- | Protected mechanical system
- | Worldwide service network
- | 5-year warranty (as per AL-KO warranty conditions)



Direction control via buttons

Green status LED light

On/Off

Battery (caravan / remote control) and overload display



Comparison of manoeuvring systems

RANGER	MAMMUT GALAXY
Max. caravan gross weight (single axle trailer / tandem): 1.8 t / 2.5 t	Max. caravan gross weight (single axle trailer / tandem): 2.5 t / 3.5 t
Manual control	Fully automatic adjustment
System weight from 37 kg	System weight from 25 kg
Manoeuvring speed up to 0.6 km/h	Manoeuvring speed over 1.0 km/h
Compatible with 12 V board battery	Compatible with 12 V battery or 18 V rechargeable batteries
Button remote control	Joystick remote control with display
U-connection	M-connection / U-connection
Maximum climbing power up to 18 %	Maximum climbing power up to 35 %
5-year warranty	5-year warranty

PROSAFE

THE INNOVATIVE **WHEEL CLAW**

AL-KO PROSAFE – anti-theft protection for caravans

Whether at the campsite, on the road or parked up at home: it is reassuring to know that your caravan is safe and secured. The AL-KO PROSAFE security lock helps prevent quick theft attempts. Unlike other AL-KO security locks, the wheel clamp attaches directly to the wheel, effectively preventing caravan theft by immobilising it.

Sophisticated safety concept

No angle grinders, no drilling and no picking tools: Thieves don't stand a chance against the AL-KO PROSAFE anti-theft device's solid multi-layer construction and drill-resistant lock cylinder. The wheel clamp impresses not only with its technology but also with its design: Painted in a striking warning colour, the wheel clamp acts as a deterrent to thieves.



Suitable for all standard rim models

As versatile anti-theft protection, this exceptional product can be fitted quickly and easily to all standard steel and aluminium rims with diameters from 13 to 17 inches.

Easy to use

You can install the AL-KO PROSAFE yourself in just a few simple steps. It comes with scratch and contact protection for the rim so it stays undamaged during installation. If anti-theft protection is not required, the wheel clamp can be stored in the robust storage case with practical features.





Website

Solid and robust storage case

Ergonomic, comfortable handle

Practical, integrated document compartment

Durable locking element

Sustainable thanks to recycled plastic

Optimally coordinated hard foam inlay



Explanatory video

Assembly

For initial assembly, a special wheel bolt is screwed into a bolt hole in the rim and the distance is adjusted using the adjustment bolt supplied. Then simply push the locking rod through the rim, attach the wheel claw and lock the cylinder lock – and your caravan is secured.

Scope of delivery

- | AL-KO PROSAFE Receiver
- | Locking rod Ø 20 mm
- | Adjustment bolt
- | Offset screwdriver SW4
- | Offset screwdriver SW8
- | 1x wheel bolt M12 tapered
- | 1x wheel bolt M12 spherical seat
- | Bit insert
- | Grip stopper
- | 2 keys
- | AL-KO PROSAFE information sign
- | Storage case
- | Installation instructions

At a glance

- | Secure against quick break-in attempts
- | Unique, solid multi-layer construction
- | Special lock with anti-drill protection
- | Conspicuous colour scheme as a deterrent
- | Scratch and contact protection for wheel rims
- | Fits standard aluminium and steel wheel rims
- | Suitable for wheel sizes 13–17 inches
- | Easy to mount in just a few steps
- | Weight: 5.3 kg
- | Width: 150 mm
- | Height: 54 mm
- | Length: 284 mm

ANTI-THEFT PROTECTION

SAFETY LOCKS

The effective deterrent against theft

The AL-KO safety locks make it trickier for thieves to uncouple the caravan. The device can be mounted rather easily. The security lock does not need to be removed for journeys. Our Safety locks are the ideal anti-theft device for any caravan. Our two security levels: Compact and Premium meet a wide range of security needs.

The AL-KO Safety anti-theft device is available specifically for the AK 161 / 270. This allows caravan owners to drive in accordance with their safety requirements. What's more, AL-KO safety locks also feature an attractive design. They form an elegant unit with the hitch and are difficult to spot.



Safety Premium

Safety Premium also meets the highest international safety standards such as the criteria for the "Sold Secure Gold Standard" (UK), "SBSC tested" (Sweden) and "SCM tested" (the Netherlands). Sturdy steel construction with powder-coated housing and a solid galvanised bolt (free of chromium (VI)).

Safety Compact

The tried-and-tested solution offers protection both on the road and when parked. So the caravan remains secure even when taking a break.



Website

FOR EVEN MORE **SAFETY**



Easy to use, 2-part mechanical immobiliser

The Safety Compact for Premium corner steadies (from year of manufacture 2006) prevents the steady legs from being cranked up. This secures the caravan into position. Simply turn the supports down, insert the safety lock and push in the lock. Now you can spend a nice, relaxing day at the beach or in the city. Ensures additional security during longer periods when the caravan is not being moved, e.g. over the winter months.



Safety Ball

The Safety Ball supplements the AL-KO anti-theft devices on the towbar in stationary operation. The hard plastic safety catch drops into the coupling heads when uncoupled and prevents the ball head engaging, thus also preventing unauthorised coupling.



DRIVING SAFETY

ATC AL-KO TRAILER CONTROL

The innovative anti-snaking system

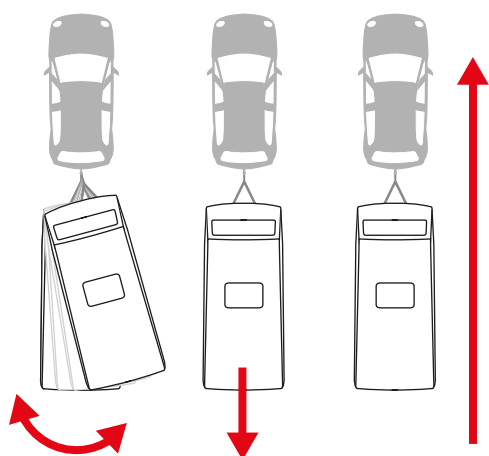
The tried and tested anti-snaking system from AL-KO boasts a new design and offers better responsiveness.

The continuous signal evaluation as well as "attention mode", which the system switches to in the case of an imminent danger, allows the ATC to respond faster than ever.

The new ATC therefore provides even better protection against dangerous swaying.

The emergency system reacts automatically when the vehicle combination's swaying exceeds limit values.

- I Sensors react even to slight lateral accelerations.
- I The caravan immediately brakes automatically.
- I When braking, the caravan automatically realigns itself with the lane, i.e. there is little risk of a rear-end collision caused by sudden, heavy braking, and it does not hinder overtaking manoeuvres.



The caravan's driving response is continuously monitored by the ATC. Sensors detect dangerous lateral movements directly on the caravan axle, before any ESP system for trailers installed in the car is even able to sense the pendulum movement. The caravan will immediately – without any action on the part of the driver – brake gently and return to a stable driving condition.

A clearly visible green **LED** indicates that the emergency system is fully functional.





Website

AL-KO ORIGINAL COMPONENTS

Greater safety for driving and braking. During servicing, always insist on original AL-KO components. As a manufacturer of chassis, shock absorbers and Bowden cables, we know what really matters.



Improved efficiency

With the original AL-KO Longlife Bowden cables, the brakes respond with more sensitivity and less friction and the Bowden cables last longer.

Just like the original AL-KO brake pads that are perfectly customised to the brakes. In short: longer service life and more protection, even for long holiday trips!



Octagon shock absorber

Optimal damping thanks to precise tuning. AL-KO octagon shock absorbers have overload protection and are characterised by high-quality seals and a special oil. They are precisely optimised for a clearly defined weight range and significantly improve the driving characteristics of the caravan. Trailer oscillation is reduced significantly.



Soft-Ball

The soft rubber blend protects vehicles against scratches, shins against injuries and clothing from dirt. Available in a variety of colours.

DRIVING SAFETY

AKS™ 3004 ANTI-SNAKING SYSTEM

Four friction linings for better lane handling

Snaking and pitching movements of the caravan are effectively suppressed before they become serious. As the only anti-sway coupling on the market, the AKS™ 3004 has four friction linings. That's why it is used by most caravan manufacturers ex works.

Closing the stabilisation handle presses the four friction linings against the car's tow ball from all sides.

This four-fold increased friction suppresses snaking and pitching movements. The vehicle combination comes to rest significantly quicker even in an emergency situation.



Visible control

- 1 Wear indicator for friction pads
- 2 When the green cylinder is visible, the AKS™ 3004 is correctly placed
- 3 Wear indicator for hitch



Specially developed friction elements are pressed axially under high spring pressure against the tow ball of the car, giving the vehicle combination enormous stability. As a result, the critical speed at which a vehicle combination becomes unstable and starts to sway is permanently increased by up to 30%. Your safety advantage!



Website

AAA PREMIUM BRAKE

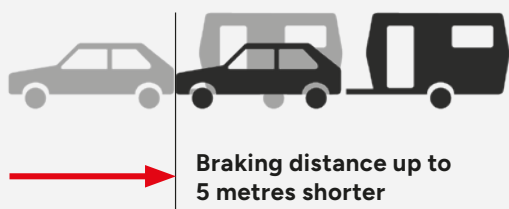
The high-performance brake with automatic adjustment

- | The proven wheel brake with its far above-average braking values is supplemented by the automatic adjustment function
- | When driving in reverse, the adjustment is deactivated to prevent the brake from blocking
- | Suitable for wheel brake types 2051 and 2361, and therefore for most caravans with AL-KO axles
- | Quick and easy changeover by pre-mounted AL-KO screw system in AL-KO axles



Your advantage

- | **Greater driving safety** thanks to an up to 5 m shorter braking distance
- | **Greater driving comfort** through smooth braking without jolting when setting off
- | **Lower maintenance costs** due to extended service intervals and dispensing with the first workshop visit after 1,000 km
- | **No renewed presentation** to TÜV required following installation
- | **Tip:** Change over to the AAA Premium Brake the next time you change your brake linings, if not before



Shorter braking distance, more safety

Every metre deducted from the braking distance is a "bonus" where safety is concerned. The AAA Premium Brake automatically readjusts the brake as soon as there is too much play. Optimally set brakes ensure the best possible performance and the braking distance is thus shortened.

PARKING

AL-KO PREMIUM JOCKEY WHEEL



The stable manoeuvring system

Particularly recommended for manoeuvring systems

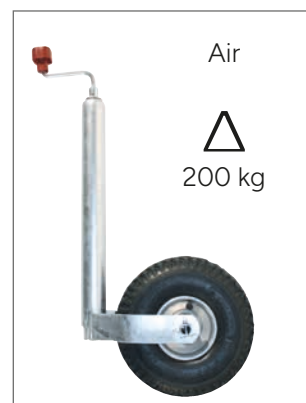
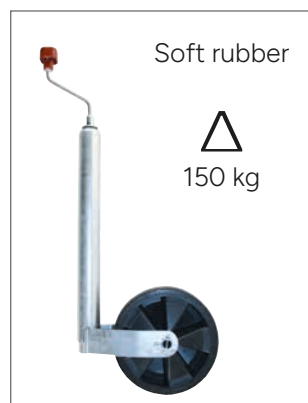
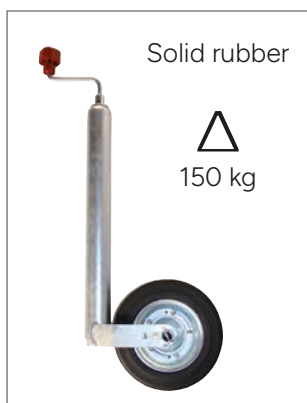
The special spherical wheel allows easier manoeuvring on any surface.

Extremely stable design:

- I Load capacity up to 300 kg
- I Runs smoothly over uneven ground
- I Integrated wheel load indicator
- I Easy to manoeuvre
- I Easy-running, detachable crank

'Plus' product line with thrust block and hot-dip galvanisation

The products from the PLUS category impress with high-quality workmanship, reliability, high-quality materials and long service life. Their high stability and clever technical details meet the increased demands of day-to-day work with trailers. All products have extended functions and are nevertheless user-friendly and have an attractive design.



Manoeuvring handle

The smart complement to the jockey wheel. Uncoupled caravans have never been easier to move. The manoeuvring handle also prevents loss of the jockey wheel when driving in case a locking bar has not been tightened enough.

Can be easily retrofitted to all jockey wheels with an outer tube diameter of 48 mm.



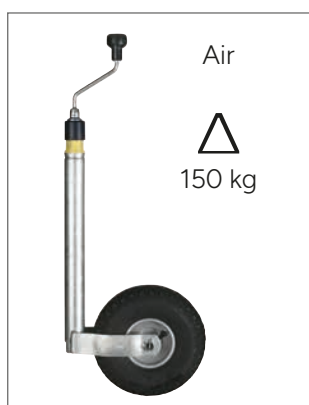
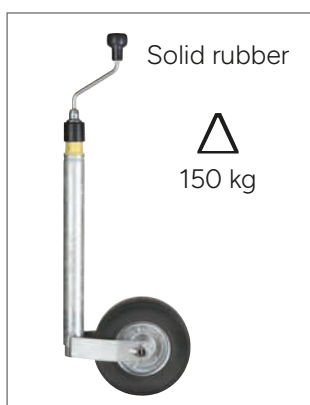
Website



The right wheel for all applications

AL-KO jockey wheels support you when coupling and decoupling the trailer as well as manoeuvring it. The majority of our jockey wheels are fitted with a thrust block, which enables easier operation. Depending on the model and product line chosen (BASIC or PLUS), the wheel – as long as it is not a rigid version – can be pivoted up by hand, foot or automatically, in order to prevent contact while driving. Thanks to an optionally integrated nose load scale, you can also check the nose load at the coupling point.

The stable and hot-dip galvanised models are the ideal solution for every application due to different types of tyres.



Integrated
load indicator



Securing system

The BS-KLE 48 securing system secures your jockey wheel while driving.

PAYLOAD INCREASES



A reliable partner for your payload increase

We have been a trusted chassis manufacturer and expert partner for increasing caravan payloads for over 25 years. We assess your caravan individually to determine the measures needed to achieve your required permissible gross weight. There are numerous ways to do this, which you can read about in detail in our blog.

Michael Duckek, Head of the Customer Centre at our Kötz site, answers further questions about payload increases for caravans on our partner CamperStyle's podcast.



Reasons for a payload increase

A higher permitted gross vehicle weight (GVW) offers many advantages on camping holidays:

- | **Installation of additional equipment:**
For example, satellite system, awning, air conditioning, manoeuvring or support system
- | **Change in family circumstances:**
More people or four-legged companions are going on holiday.
- | **Dynamic driving safety buffer:**
The chassis limits are being pushed.
- | **Higher payload and holiday comfort:** More luggage can be taken. You can easily determine this by subtracting the unladen weight from the gross weight.
- | **Easier police checks:**
Avoid strict checks, even abroad.



Blog post

An overview of the different variants

The interaction of the components is crucial in determining the type of payload increase suitable for your specific vehicle.

- | **Weight plate upgrade:** Purely a payload increase on paper to increase the permissible gross weight without technical modifications. Acceptance by TÜV or DEKRA and subsequent registration in the registration papers.
- | **Replacement of suspension elements:** Standard rubber cords in the axles are removed and replaced with better performing axle rubbers.
- | **Replacement of other chassis components:** Depending on the initial situation, convert individual or several components such as axle, brakes, shock absorbers, overrun device, cross member or other frame parts.
- | **Replacement of the entire chassis:** Most comprehensive payload increase with the greatest possible weight increase.
- | In addition, it may be necessary to fit different tyres and/or rims so that not only the body but also the wheels can bear the new weight.



This is how a payload increase works with us

- 1. Finding out more:** You can find out more about the topic of payload increases in our blog or podcast.
- 2. Complete the checklist:** Please complete the checklist with your caravan's details.
- 3. Review and quote:** Our team of experts will assess the requirements and options for your caravan and provide you with a personalised quote.
- 4. Apply for approval:** You must apply to the caravan manufacturer for approval of the planned payload increase.
- 5. Clearance certificate and type plate:**
The manufacturer will issue a clearance certificate and a new type plate for your vehicle.
- 6. Place your order:** Once you have received the clearance certificate, place your order with us.
- 7. Components and appointment:** We order the specific components for your caravan and arrange an appointment with you.
- 8. Implementation:** Our team of experts carries out payload increase measures either at our Kötz facility or at one of our other customer centres.
- 9. Vehicle inspection:** After the conversion work has been completed, your caravan will be inspected by the relevant vehicle inspection agency (e.g. TÜV or DEKRA).
- 10. Weight specifications entry:** You then have the new weight specifications entered in the vehicle documents by the relevant registration office.
- 11. Enjoy your holiday:** Start your next holiday feeling relaxed!

[Enquiry form](#)





AL-KO VT

VEHICLE TECHNOLOGY

www.alko-tech.com



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