CARRIER SYSTEMS & TOWBARS
Towbars
Towbar price overview / towbars for vans................................................................. 06 - 07
MT005 / MT054 / breakaway cable clips / socket holders / variable towbar .............. 08 - 09
Standard and heavy load towbars............................................................................. 10 - 11

Carrier systems
Overview of carrier systems .................................................................................... 12 - 13
Chassis extensions/reinforcement kits/mounting elements......................................... 14 - 15

Carrier systems – Motorhomes
VELO III ....................................................................................................................... 16 - 17
BASIC ......................................................................................................................... 18 - 19
MIKRO II ..................................................................................................................... 20 - 21
LIGERO III ................................................................................................................... 22 - 23
VARIO ......................................................................................................................... 24 - 25

Carrier systems – Vans
AGITO TOP ................................................................................................................. 26 - 27
AGITO 120 / 150 ......................................................................................................... 28 - 29
KAWA II ....................................................................................................................... 30 - 31
AGITO VAN ................................................................................................................. 32 - 33
FUTURO E-Lift ............................................................................................................ 34 - 35
FUTURO BASIC / load securing ................................................................................. 36 - 37

Accessories
BIKEY cover box........................................................................................................ 38 - 39
Transport platform / motorcycle tray model 3000......................................................... 40 - 41
Securing and fastening................................................................................................. 42 - 47
Lamp brackets and spare parts / spare wheel bracket................................................... 48 - 49

Know-How
X dimension / D value and payload........................................................................... 50 - 51

Purchase advice ......................................................................................................... 52 - 53
Your query ................................................................................................................. 54 - 55
The name Sawiko is well-known in the motorhome market. It stands for expertise, innovativeness, premium service and mobility for virtually every motorhome in Europe. The specialist for retrofit towbars, frame extensions and carrier systems for carrying bicycles, scooters, motorcycles and loads supplies quality products that are produced in Germany wherever possible.

Since 2012, the brand has been part of the globally operating AL-KO Vehicle Technology group. This has served as the basis for ensuring that Sawiko’s quality has now become known across many boarders. “Made in Germany” at its best.
MAXIMUM CUSTOMER SATISFACTION

Our multiple-award winning premium accessories for motorhomes always guarantee maximum safety and comfort. We ensure that your motorhome gets your holiday off to a good start so that you arrive back home relaxed.

Our customers’ high satisfaction, in particular, is the best motivation for groundbreaking ideas and improvements. We are always your reliable companion – for more joy on the road.
# TOWBARS

**FOR THE MAJORITY OF EUROPEAN VEHICLES**

---

**TOWBAR PRODUCT EXAMPLES**

Our product range now includes many different versions of towbars. From the compact towbar cross member incl. flange ball to variable designs or modular systems for load-bearing frame extensions.

<table>
<thead>
<tr>
<th>Article description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Towbar for Fiat Ducato X250/X290 vans</td>
<td>1620104</td>
</tr>
<tr>
<td>Removable towbar for Fiat Ducato X250/X290 vans</td>
<td>1620134</td>
</tr>
<tr>
<td>Towbar for AL-KO chassis or vehicles with a certified frame extension without reinforcing parts</td>
<td>Var.</td>
</tr>
<tr>
<td>Towbar for series chassis with certified frame extension incl. necessary reinforcing parts</td>
<td>Var.</td>
</tr>
<tr>
<td>Standard towbar for series chassis with overhangs for which no or a non-load-bearing frame extension is mounted</td>
<td>Var.</td>
</tr>
<tr>
<td>Heavy load towbar for series chassis with certified frame extension for which trailer loads of more than 2000 kg are required</td>
<td>Var.</td>
</tr>
<tr>
<td>Heavy load towbar for series chassis with overhangs for which no or a non-load-bearing frame extension is mounted and a trailer load of more than 2000 kg is required</td>
<td>Var.</td>
</tr>
<tr>
<td>Removable ball system, supplied without ball head</td>
<td>1620572</td>
</tr>
<tr>
<td>Towbar with removable and lockable ball head. Suitable for original AL-KO high or low frame chassis with rear lowering</td>
<td>Var.</td>
</tr>
<tr>
<td>Towbars suitable for original AL-KO high or low frame chassis with rear lowering</td>
<td>Var.</td>
</tr>
</tbody>
</table>

**Reinforcement kits - AL-KO chassis from 2013** (necessary with towbar + load carrier retrofitting)

- Dethleffs
- LMC
- Hymer
- Carthago

<table>
<thead>
<tr>
<th>Electrical cable sets</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-pin electrical cable set for vehicles with mechanical turn signal relay*</td>
<td>Var.</td>
</tr>
<tr>
<td>13-pin electrical cable set for vehicles with electronic turn signal controller*</td>
<td>Var.</td>
</tr>
<tr>
<td>13-pin electrical cable set for vehicles with CAN databus interface and similar*</td>
<td>Var.</td>
</tr>
</tbody>
</table>

*Note: contact assignment with 13-pin socket from pin 1 - 8.
TOWBARS FOR VANS
For FIAT Ducato X250/X290 in rigid and removable versions. Easily retrofitted attachment elements for load carriers. Other vehicles upon request.

REMOVABLE VERSION
Coordinated with mounting elements for carriers.

D value = 16.91 kN
Nose load = 150 kg

RIGID VERSION
Coordinated with mounting elements for carriers.

D value = 16.91 kN
Nose load = 150 kg
TOWBARS
FOR THE MAJORITY OF EUROPEAN VEHICLES

TOWBAR MT005

This version is suitable for all AL-KO chassis as well as vehicles with AL-KO and other load-bearing frame extensions. Also available for vehicles without load-bearing frame extension. A reinforcement kit is required here.

D value = 12.5 kN
Nose load = 75 kg

MT054

With removable and lockable ball head. Suitable for AL-KO high and low frame chassis with or without rear lowering. Also available as a rigid version.

Type MT054
D value = 14.1 kN
Nose load = 150 kg

Breakaway Cable Clip

We recommend fastening the breakaway cable to a plate connected firmly to the vehicle. There are clear regulations for this in the Netherlands, Austria and Switzerland.

Socket holders

E.g. for towbars MT026, MT005
Part no. 1623168

E.g. for towbar MT001
Part no. 1881374

Socket holder with breakaway cable clip, e.g. for towbar MT052
Part no. 1881218

Universal socket holder
Part no. 1880009
THE VARIABLE TOWBAR

CAN BE MOUNTED ON ALMOST ALL COMMON MOTORHOMES

The variable towbar is suitable for vehicles with a load-bearing frame extension. It can therefore be mounted on almost all common motorhomes. Connection plates are necessary for mounting under certain conditions. Please ask our sales staff for more information.

OVERVIEW OF BALL HEADS

THE VARIABLE TOWBAR TECHNOLOGY

- Max. width (A) 1420 mm
- Infinitely adjustable
- Weight at 1420 mm Width without ball head approx. 24.8 kg
- Nose load 80 kg
- Max. D value 14.7 kN
- Offset (B) +/- 27 mm
- EC approval available!

<table>
<thead>
<tr>
<th>Article description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT052 cross member up to max. 1420 mm without ball head</td>
<td>1620059</td>
</tr>
<tr>
<td>MT052 cross member up to max. 980 mm without ball head</td>
<td>1620058</td>
</tr>
<tr>
<td>Diagonal strut uni (optional)</td>
<td>1620220</td>
</tr>
<tr>
<td>Connection plate set (L/R)</td>
<td>1620069</td>
</tr>
<tr>
<td>MT052 cross member incl. ball head up to max.</td>
<td>1620120</td>
</tr>
<tr>
<td>980 mm</td>
<td>1620125</td>
</tr>
<tr>
<td>Type 1</td>
<td>1620077</td>
</tr>
<tr>
<td>Type 2</td>
<td>1620082</td>
</tr>
<tr>
<td>Type 3</td>
<td>1620128</td>
</tr>
<tr>
<td>Type 4</td>
<td>1620187</td>
</tr>
<tr>
<td>Type 5</td>
<td>1620279</td>
</tr>
</tbody>
</table>
TOWBARS

FOR THE MAJORITY OF EUROPEAN VEHICLES

STANDARD TOWBARS

These versions can be used as a standard coupling for all vehicles without a frame extension or for non-load-bearing frame extensions. The attachment elements for carrier systems to the coupling can be retrofitted at any time without problem.

Type | MT017  
D value = | 12.5 kN  
Nose load = | 80 kg

Type | MT017  
D value = | 12.5 kN  
Nose load = | 80 kg

Mounting element for carrier system

Type | MT042  
D value = | 7.7 kN  
Nose load = | 150 kg

Type | MT026  
D value = | 12.5 kN  
Nose load = | 150 kg

Type | MT047  
D value = | 12.5 kN  
Nose load = | 80 kg

Type | MT030  
D value = | 12.5 kN  
Nose load = | 150 kg

Type | MT041  
D value = | 7.7 kN  
Nose load = | 90 kg

Type | MT053  
D value = | 12.5 kN  
Nose load = | 80 kg

www.sawiko.com
HEAVY LOAD TOWBARS

Heavy load towbars in straight or suspended form can only be used for vehicles with high trailer loads. Special constructions mounted by SAWIKO

Type | MT015  
--- | ---  
D value = | 19.62 kN  
Nose load = | 75 kg  

Type | MT055  
--- | ---  
D value = | 23.5 kN  
Nose load = | 200 kg  

Type | MT028  
--- | ---  
D value = | 14 kN  
Nose load = | 80 kg  

Type | MT051  
--- | ---  
D value = | 23.41 kN  
Nose load = | 150 kg  


For over 20 years, we have been supplying optimal solutions for your motorhome and your van. Extensive further development has taken place during this time. The vehicles are increasingly being designed and manufactured for optimised weight. Bicycles, e-bikes and scooters have also changed. To meet all of these needs, we have continually optimised our rear carrier systems and adapted them to the new requirements.

Due to the high number of vehicle variants, determining a clear price structure for our customers has not always been easy in the past. Some motorhomes already have everything on board, as a load-bearing frame or towbar is already fitted in the factory. Conversely, other chassis still require specific brackets or even reinforced frame extensions in the rear connection area so that a rear carrier or towbar can be attached.
## OVERVIEW OF REAR CARRIER SYSTEMS

<table>
<thead>
<tr>
<th>Motorhomes</th>
<th>Page</th>
<th>Payload in kg “up to”</th>
<th>Special features</th>
<th>Conversion kits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bicycles max.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E-bike max.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Scooter</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Scooter + bicycles</td>
</tr>
<tr>
<td>VELO III</td>
<td>16 - 17</td>
<td>80</td>
<td>Folding platform</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>BASIC</td>
<td>18 - 19</td>
<td>100</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>max. 1 + 1</td>
</tr>
<tr>
<td>MIKRO II</td>
<td>20 - 21</td>
<td>120</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>max. 1 + 1</td>
</tr>
<tr>
<td>LIGERO III</td>
<td>22 - 23</td>
<td>150</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>max. 1 + 2</td>
</tr>
<tr>
<td>VARIO</td>
<td>24 - 25</td>
<td>150</td>
<td>Folding platform</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>max. 1 + 2</td>
</tr>
<tr>
<td>Van</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGITO Top</td>
<td>26 - 27</td>
<td>80</td>
<td>Folding platform, pivoting carrier</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>AGITO 120</td>
<td>28</td>
<td>120</td>
<td>Pivoting carrier</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>AGITO 150</td>
<td>29</td>
<td>150</td>
<td>Pivoting carrier</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>max. 1 + 1</td>
</tr>
<tr>
<td>KAWA II</td>
<td>30 - 31</td>
<td>150</td>
<td>Platform carrier</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>max. 1 + 1</td>
</tr>
<tr>
<td>AGITO Van</td>
<td>32 - 33</td>
<td>60</td>
<td>On towbar for Ford Nugget, Tourneo Custom and Fiat Ducato: Folding platform, pivoting carrier</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>FUTURO E-LIFT</td>
<td>34 - 35</td>
<td>60</td>
<td>Platform can be folded and lowered electrically, pivoting carrier</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>FUTURO Basic</td>
<td>36</td>
<td>80</td>
<td>Folding platform, pivoting carrier</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>
CARRIER SYSTEMS

CHASSIS EXTENSIONS

Today, many vehicles are supplied without a base vehicle extension. The rear garages are therefore self-supporting and the vehicle weight can be reduced accordingly. In terms of retrofitting towbars and load carrier components, however, this represents a clear disadvantage. The chassis extensions and chassis reinforcements offered by SAWIKO enable you to find the optimal solution. Under certain circumstances, it may even be possible to increase the payload of the garage.

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>Year of manufacture</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiat Ducato 230/244</td>
<td>1994 - 2006</td>
<td>Var.</td>
</tr>
<tr>
<td>Fiat Ducato 250/290</td>
<td>From 2006</td>
<td>Var.</td>
</tr>
<tr>
<td>Mercedes Sprinter with single tyres and identically designed VWs</td>
<td>From 2008</td>
<td>Var.</td>
</tr>
<tr>
<td>Mercedes Sprinter with double tyres and identically designed VWs</td>
<td>From 2006</td>
<td>Var.</td>
</tr>
<tr>
<td>Renault Master II</td>
<td>1997 - 2010</td>
<td>Var.</td>
</tr>
<tr>
<td>Renault Master III flat floor</td>
<td>From 2010</td>
<td>Var.</td>
</tr>
<tr>
<td>Renault Master III ladder frame/platform</td>
<td>From 2010</td>
<td>Var.</td>
</tr>
<tr>
<td>Ford Transit front and rear wheel drive</td>
<td>2000 - 2006</td>
<td>Var.</td>
</tr>
<tr>
<td>Ford Transit skeletal</td>
<td>2006 - 2014</td>
<td>Var.</td>
</tr>
<tr>
<td>Ford Transit V363</td>
<td>From 2014</td>
<td>Var.</td>
</tr>
<tr>
<td>Other extensions and reinforcements</td>
<td>Var.</td>
<td></td>
</tr>
</tbody>
</table>
REINFORCEMENT KITS/MOUNTING ELEMENTS

REINFORCEMENT KITS

For all vehicles without AL-KO chassis that are already supplied with a factory-fitted SAWIKO chassis extension. When fitting a towbar or a load carrier, special reinforcement kits are provided for extending the chassis.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Reinforcement kits with existing chassis extension</th>
<th>For RA026 Fiat Ducato X250/X290</th>
<th>Var.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>For RA030 Fiat Ducato X250/X290</td>
<td>Var.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For RA056 Fiat Ducato X250/X290</td>
<td>Var.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For RA019 Fiat Ducato X250</td>
<td>Var.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For RA017 Fiat Ducato X244</td>
<td>Var.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For RA022 Ford</td>
<td>Var.</td>
</tr>
</tbody>
</table>

CONNECTION/GGRID PLATES

If your rear skirt covers the installation position of the mounting elements, our connection plates offer a simple but elegant solution.

MOUNTING ELEMENTS

Our specially manufactured mounting elements serve as the connecting piece between the frame extension and rear carrier system. The individual mounts are matched to and fitted on the specific vehicle. With the corresponding vehicle data, we can assign the right component to each motorhome.

If you decide to purchase a new carrier system, the mounting elements are already part of delivery and therefore not subject to additional charges. The following illustrations show a small selection from our product range.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Mounting elements</th>
<th>20R51</th>
<th>1884045</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>20A24 incl. adapter plate</td>
<td>1884011</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20R46</td>
<td>1884043</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20R21</td>
<td>1884038</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20E44 for vans with towbar</td>
<td>1884015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20E45 for vans without towbar</td>
<td>1884016</td>
</tr>
<tr>
<td></td>
<td>Others on request.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

COTTER PINS WITH CLAMPING SCREWS

To secure your load carrier to the mounting elements, you require two cotter pins and two clamping screws. Of course, these components are included in the scope of delivery of each new carrier system.
CARRIER SYSTEMS – MOTORHOMES

VELO III – PERFECT FOR E-BIKES

SAFE TRANSPORT

With its 80 kg payload and solid construction, the VELO III offers optimal prerequisites for transporting your e-bikes safely. Unlike rear wall carrier systems, our VELO III can cope with the weight of two e-bikes with ease.

EASIER LOADING

The VELO III carrier is attached directly to the motorhome frame. It is robustly mounted, has a low loading height, a low net weight and a higher load capacity that is specifically matched to e-bikes. The e-bikes stand steadily in the attached rails.

AT A GLANCE

- Load capacity: up to 80 kg
- EC type approval
- For 2 e-bikes or max. 3 bicycles
- Folding platform
- Bicycle rails and retaining arms with ratchet quick release
- Fully aluminium
- Can be removed without tools
- Incl. standard chassis brackets
- Dimensions:
  - Width 1980 mm
  - Carrier length 875 mm
  - Loading depth 500 mm

PRACTICAL

Ratchet quick-release on the retaining arms and bicycle rails.

The soft padding protects against scratches. Their sturdy construction makes them ideal for e-bikes.
FOLDING FUNCTION

Folding up or down is incredibly easy. Loosen the lever on the light bracket and the platform, fold up and retighten. The VELO III can remain on the vehicle to save space.

<table>
<thead>
<tr>
<th>Article description</th>
<th>Part no. *</th>
</tr>
</thead>
<tbody>
<tr>
<td>VELO III 2 bicycles or 2 e-bikes, folding</td>
<td>1884639</td>
</tr>
<tr>
<td>VELO III 3 bicycles, folding</td>
<td>1884640</td>
</tr>
<tr>
<td>Reinforcement parts/frame extension for vehicles without load-bearing chassis or frame extension</td>
<td>Var.</td>
</tr>
<tr>
<td>Other reinforcement parts for vehicles with approved chassis extension</td>
<td>Var.</td>
</tr>
</tbody>
</table>

*Excluding electrical cable set
CARRIER SYSTEMS – MOTORHOMES

BASIC – THE ENTRY-LEVEL MODEL

THE ALTERNATIVE SOLUTION

As an alternative to rear wall carriers, the BASIC is simply attached to the frame with chassis brackets. It is not necessary to drill a hole in the rear wall of your motorhome. Bicycles can be easily placed on the carrier due to the low loading height.

AT A GLANCE

- Payload: up to 100 kg*
- EC type approval
- For max. 4 bicycles or 1 scooter + 1 bicycle
- Variable loading depth (optional)
- Manufactured from aluminium/steel
- Can be removed without tools
- Incl. standard chassis brackets

CARRIER EXTENSION

The loading depth can be extended from 510 mm to max. 820 mm with the optional extension.

Part no. 1628049

Secure loads correctly! Information on page 37.
<table>
<thead>
<tr>
<th>BASIC</th>
<th>Part no.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete system 1 scooter</td>
<td>1629914</td>
</tr>
<tr>
<td>Complete system 1 scooter + 1 bicycle (Incl. extension, part no. 1628049)</td>
<td>1629915</td>
</tr>
<tr>
<td>Complete system 2 bicycles</td>
<td>1629916</td>
</tr>
<tr>
<td>Complete system 3 bicycles (Incl. extension, part no. 1628049)</td>
<td>1629917</td>
</tr>
<tr>
<td>Complete system 4 bicycles (Incl. extension, part no. 1628049)</td>
<td>1629918</td>
</tr>
<tr>
<td>Lashing band set Universal</td>
<td>1628014</td>
</tr>
<tr>
<td>Reinforcement parts/frame extensions for vehicles without load-bearing chassis or frame extension</td>
<td>Var.</td>
</tr>
<tr>
<td>Other reinforcement parts for vehicles with approved chassis extension</td>
<td>Var.</td>
</tr>
</tbody>
</table>

* Excluding electrical cable set. Incl. standard chassis brackets for frame connection.

![Base carrier](image1)

![Standard without extension](image2)

![Optionally with extension](image3)

![Complete system for 1 scooter + 1 bicycle](image4)

![Complete system for 4 bicycles](image5)
CARRIER SYSTEMS – MOTORHOMES

MIKRO II – THE REBIRTH OF THE CLASSIC

PERFECT FOR YOUR 125 CC SCOOTER

With a carrying capacity of 120 kg, you can take practically any 125 cc scooter or up to 4 bicycles with you. It is bolted to the vehicle chassis using two galvanised chassis brackets. The carrier can be removed at any time, and can be simply pushed into the permanently bolted attachment elements when required.

AT A GLANCE

- Payload: up to 120 kg*
- EC type approval
- For max. 4 bicycles or 1 scooter + 1 bicycle
- Variable loading depth (optional)
- Manufactured from aluminium/steel
- Can be removed without tools
- Incl. standard chassis brackets

CARRIER EXTENSION

The loading depth can be extended from 510 mm to max. 820 mm with the optional extension.

Part no. 1628049

Secure loads correctly! Information on page 37.
**MIKRO II**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete system 1 scooter</td>
<td>1629922</td>
</tr>
<tr>
<td>Complete system 1 scooter + 1 bicycle</td>
<td>(Incl. extension, part no. 1628049) 1629923</td>
</tr>
<tr>
<td>Complete system 2 bicycles</td>
<td>1629924</td>
</tr>
<tr>
<td>Complete system 3 bicycles</td>
<td>(Incl. extension, part no. 1628049) 1629925</td>
</tr>
<tr>
<td>Complete system 4 bicycles</td>
<td>(Incl. extension, part no. 1628049) 1629926</td>
</tr>
<tr>
<td>Lashing band set Universal</td>
<td>1628014</td>
</tr>
<tr>
<td>Reinforcement parts/frame extensions for vehicles without load-bearing chassis or frame extension</td>
<td>Var.</td>
</tr>
<tr>
<td>Other reinforcement parts for vehicles with approved chassis extension</td>
<td>Var.</td>
</tr>
</tbody>
</table>

* Excluding electrical cable set. Incl. standard chassis brackets for frame connection.

---

*Complete system for 4 bicycles*
CARRIER SYSTEMS – MOTORHOMES

LIGERO III

VERSATILE APPLICATION
The now 3rd generation of the LIGERO supersedes the well-known LIGERO I + II load carriers in a single version. The design of the LIGERO III impresses not only with its functionality, but also with its attractive appearance. The elegantly designed light bracket contributes significantly to that. Main beam, motorcycle track, ramp and light bracket are manufactured from aluminium and powder coat finished.

AT A GLANCE
- Payload: up to 150 kg*
- EC type approval
- For 1 scooter or max. 4 bicycles
- Or for 1 scooter + 2 bicycles
- Telescopic to max. 821 mm
- Can be removed without tools
- Incl. standard chassis brackets

Complete system for 1 scooter
Limit lights are special accessories.

Secure loads correctly! Information on page 37.

UNIVERSAL STRAP SET
Contains 4 lashing straps with hooks, 2 chocks, 1 retaining arm and a piece of protective hose for the lashing straps.
Part no. 1628014
<table>
<thead>
<tr>
<th>LIGERO III</th>
<th>Part no. UK</th>
<th>Part no.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete system 1 scooter</td>
<td>1882222</td>
<td>1629928</td>
</tr>
<tr>
<td>Complete system 1 scooter + 1 bicycle</td>
<td>1882223</td>
<td>1629929</td>
</tr>
<tr>
<td>Complete system 1 scooter + 2 bicycles</td>
<td>1882224</td>
<td>1629930</td>
</tr>
<tr>
<td>Complete system 2 bicycles</td>
<td>1882225</td>
<td>1629931</td>
</tr>
<tr>
<td>Complete system 3 bicycles</td>
<td>1882226</td>
<td>1629932</td>
</tr>
<tr>
<td>Complete system 4 bicycles</td>
<td>1882227</td>
<td>1629933</td>
</tr>
<tr>
<td>Lashing band set Universal</td>
<td></td>
<td>1628014</td>
</tr>
<tr>
<td>Reinforcement parts/frame extensions</td>
<td>Var.</td>
<td></td>
</tr>
<tr>
<td>Reinforcement parts/frame extensions</td>
<td>Var.</td>
<td></td>
</tr>
</tbody>
</table>

* Excluding electrical cable set. Incl. standard chassis brackets for frame connection.
CARRIER SYSTEMS – MOTORHOMES

VARIO – COMPACT, FOLDABLE AND VARIABLE

HIGH-QUALITY

The VARIO is manufactured from aluminium, and consists of high-quality components – such as the bicycle rails customised for e-bikes and retaining arms, or the cross beam made of stainless steel. Despite its low dead weight of approx. 29 kg without chassis brackets, the VARIO has a payload of up to 150 kg.

FLEXIBLE AND FUNCTIONAL

When the VARIO is not needed, it can be easily folded up in just a few steps. The carrier can remain on the vehicle without taking up any space. In addition to its practical folding function the VARIO has a variable loading depth and can be extended from 620 up to 800 mm.

AT A GLANCE

- Payload: up to 150 kg*
- EC type approval
- For 1 scooter, 4 bicycles or 1 scooter + max. 2 bicycles
- Manufactured primarily from aluminium
- Can be removed without tools
- High-quality, user-friendly design
- Telescopic as standard
- Platform with folding function
- Bicycle rails and retaining arms with ratchet quick release
- Dimensions: Width: 2011 mm/depth: 937 mm
- Incl. standard chassis brackets

FOLDING FUNCTION

Loosen the lever on the light bracket and the platform, fold up and retighten.

Secure loads correctly! Information on page 37.
<table>
<thead>
<tr>
<th>VARIO</th>
<th>Vario -Light-uni</th>
<th>Part no. UK</th>
<th>Part no. *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete system for 1 scooter</td>
<td>1882236</td>
<td>1882228</td>
<td>1629905</td>
</tr>
<tr>
<td>Complete system 1 scooter + 1 bicycle</td>
<td>1882237</td>
<td>1882229</td>
<td>1629906</td>
</tr>
<tr>
<td>Complete system for 1 scooter + 2 bicycles</td>
<td>1882238</td>
<td>1882230</td>
<td>1629855</td>
</tr>
<tr>
<td>Complete system for 2 bicycles</td>
<td>1882239</td>
<td>1882231</td>
<td>1629907</td>
</tr>
<tr>
<td>Complete system for 3 bicycles</td>
<td>1882240</td>
<td>1882232</td>
<td>1629908</td>
</tr>
<tr>
<td>Complete system for 4 bicycles</td>
<td>1882241</td>
<td>1882233</td>
<td>1629909</td>
</tr>
<tr>
<td>Lashing band set Universal</td>
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<td></td>
<td>1628014</td>
</tr>
<tr>
<td>Reinforcement parts/frame extension for vehicles without load-bearing chassis or frame extension</td>
<td>Var.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other reinforcement parts for vehicles with approved chassis extension</td>
<td>Var.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Excluding electrical cable set incl. standard chassis brackets for frame connection.
CARRIER SYSTEMS – VANS

AGITO-TOP – PIVOTING AND FOLDING

CONVENIENT MANOEUVRING

The AGITO range of carriers have been designed to be effortlessly moved away from the rear doors of the campervan to allow easy access. Featuring a pivot point on one side and a simple locking mechanism on the other, when access is required, simply loosen the locking mechanism, lower the jockey wheel and swing the carrier frame to the side of the vehicle. When not in use the AGITO TOP version can be folded up to save space.

AT A GLANCE

- Load capacity: up to 80 kg
- EC type approval
- For 2 e-bikes or 3 bicycles
- Can be swung out even when loaded
- Folding platform
- Fully aluminium
- Can be removed without tools
- Incl. mounting elements for vans
- Standard bicycle rails with ratchet quick release, length 1750 mm

AGITO-Top version for 2 e-bikes

www.sawiko.com

Secure loads correctly! Information on page 37.
FOLDING FUNCTION
Practical! When not in use, the transport platform can be folded up in a few easy steps. The carrier can remain on the vehicle to save space.

FREE ACCESS TO THE REAR
The AGITO-Top is simply swung to the side. This gives you free access to your rear doors at all times.

AGITO-Top
Part no. *
Complete system for 2 e-bikes, folding (max. 80 kg) 1884652
Complete system for 3 bicycles, folding (max. 80 kg) 1884653
*Excluding electrical cable set
CONVENIENT MANOEUVRING

The van carrier has been designed to be effortlessly swung away from the rear doors of the campervan to allow easy access. Featuring a pivot point on one side and a simple locking mechanism on the other, when access is required, simply loosen the locking mechanism, lower the jockey wheel and swing the carrier frame to the side of the vehicle.

AT A GLANCE

- Load capacity: up to 120 kg
- EC type approval
- For 1 scooter or max. 4 bicycles
- Can be pivoted even when loaded
- Fully aluminium
- Can be removed without tools
- Incl. chassis brackets for vans

AGITO 120

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base carrier without conversion kit</td>
<td>1884113</td>
</tr>
<tr>
<td>Complete system for 1 motorcycle/scooter</td>
<td>1884646</td>
</tr>
<tr>
<td>without electrical cable set</td>
<td></td>
</tr>
<tr>
<td>Complete system for 2 bicycles</td>
<td>1884647</td>
</tr>
<tr>
<td>without electrical cable set</td>
<td></td>
</tr>
<tr>
<td>Complete system for 4 bicycles</td>
<td>1884648</td>
</tr>
<tr>
<td>without electrical cable set</td>
<td></td>
</tr>
<tr>
<td>Lashing band set Universal</td>
<td>1628014</td>
</tr>
<tr>
<td>*Excluding electrical cable set</td>
<td></td>
</tr>
</tbody>
</table>

Can be swung open completely. Free access to the rear doors.
MANOEUVRING WITH A HIGH PAYLOAD

Depending on the vehicle specification, the AGITO 150 can carry up to 150 kg providing the capacity to transport one scooter and one cycle. The carrier has been designed to be effortlessly swung away from the rear doors of the campervan to allow easy access. Featuring a pivot point on one side and a simple locking mechanism on the other, when access is required, simply loosen the locking mechanism, lower the jockey wheel and swing the carrier frame to the side of the vehicle.

AT A GLANCE

- Load capacity: up to 150 kg
- EC type approval
- For 1 scooter
- Or for 1 scooter + 1 bicycle
- Can be swung out even when loaded
- Made from steel + aluminium
- Can be removed without tools
- Incl. chassis brackets for vans

---

AGITO 150

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base carrier without conversion kit</td>
<td>1884649</td>
</tr>
<tr>
<td>Complete system for 1 motorcycle/scooter</td>
<td>1884650</td>
</tr>
<tr>
<td>Complete system for 1 scooter + 1 bicycle</td>
<td>1884651</td>
</tr>
<tr>
<td>Lashing band set Universal</td>
<td>1628014</td>
</tr>
</tbody>
</table>

*Excluding electrical cable set
CARRIER SYSTEMS – VANS

KAWA II – PLATFORM CARRIER

VARIABLE PLATFORM

The new KAWA II aluminium platform rack has a variable platform design so that it can be optimised to your requirements. Whether you want to transport a scooter or up to 3 bicycles or e-bikes – no problem with its payload of 150 kg. Create the KAWA II that suits your needs.

The platform is enclosed, which means that the load is no longer exposed to spray water.

The holding arms and wheel chocks feature quick release ratchets to simplify loading and unloading from the KAWA II carrier.

AT A GLANCE

- Payload: up to 150 kg
- EC type approval
- For 1 scooter or max. 3 bicycles
- With integrated ramp (scooter carrier applications)
- Variable platform design
- Free access to rear doors
- Removable retaining bracket
- Holding arms and wheel chocks with quick release ratchet
- Fully aluminium
- Can be removed without tools
- Incl. chassis brackets for vans
- Dimensions:
  - Width: 1875 mm
  - Depth: 550 mm

INTEGRATED RAMP

For scooter applications, the ramp is integrated into the platform and can be securely transported in a space saving manner. When required, the ramp is simply pulled from under the platform.

Secure loads correctly! Information on page 37.
INFINITELY ADJUSTABLE

The wheel brackets included in the scooter kit and the wheel chocks for bicycles are infinitely adjustable to adapt perfectly to your vehicle.

REMOVABLE RETAINING BRACKET

The rear doors can be opened completely. This enables clear access for loading and unloading without having to remove the carrier.

### KAWA II platform carrier

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platform carrier (without front retaining bracket)</td>
<td>1884641</td>
</tr>
<tr>
<td>Platform carrier for 1 scooter – incl. integrated ramp, wheel brackets, tensioning straps, eyelets (without front retaining bracket)</td>
<td>1884642</td>
</tr>
<tr>
<td>Platform carrier for 2 bicycles – incl. front retaining bracket, tyre chocks, retaining arms</td>
<td>1884643</td>
</tr>
<tr>
<td>Platform carrier for 3 bicycles – incl. front retaining bracket, tyre chocks, retaining arms</td>
<td>1884644</td>
</tr>
<tr>
<td>Platform carrier conversion kit front retaining bracket for retrofitting for 1884641 and 1884642</td>
<td>1629604</td>
</tr>
<tr>
<td>Platform carrier conversion kit for 3 bicycles</td>
<td>1629837</td>
</tr>
<tr>
<td>Platform carrier conversion kit for 2 bicycles</td>
<td>1629793</td>
</tr>
<tr>
<td>Lashing band set Universal</td>
<td>1628014</td>
</tr>
</tbody>
</table>

*Excluding electrical cable set*
BREAKTHROUGH INTO A NEW VEHICLE CLASS

With the new AGITO VAN for Ford Westfalia Nugget, Ford Tourneo Custom and Fiat Ducato, we are presenting a rear carrier system for active holidaymakers who often prefer smaller, more compact vans and high-roof vans.

The base version of the AGITO VAN offers a payload of 60 kilogrammes for transporting two bicycles. The swivel arm is particularly practical, allowing the carrier to be easily moved sideways, even when loaded. This ensures free access to the rear door at all times. When not loaded, the transport platform can be folded up to save space. If the carrier is not needed, it can be completely dismantled quickly and without tools.

The AGITO VAN can be configured to a number of different applications to meet individual requirements. This makes it possible to equip the carrier for transporting three bicycles or to mount a transport box. In addition, a rigid or detachable towing hitch can easily be retrofitted to the base crossmember.

AT A GLANCE

- Payload: 60 kg
- Basic bracket 18 kg (remains on the vehicle)
- Tool-free removal of the transport platform and the swing arm
- Can be swing out with load
- Free access to the rear door
- Transport platform can be folded upwards
- Lockable
- Can be extended to the towbar
- Conversion kit for 3 bicycles or transport box on request
FOLDING TRANSPORT PLATFORM
The transport platform can be easily folded up when the AGITO Van is not required. The carrier can therefore remain on the vehicle, taking up little space and without affecting manoeuvrability.

SWIVELLING FUNCTION
The practical swing arm enables the AGITO Van to be comfortably swung to the side. Even when loaded.

<table>
<thead>
<tr>
<th>AGITO Van for Ford Transit/Tourneo Custom</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base carrier</td>
<td>1628233</td>
</tr>
<tr>
<td>Conversion kit for 2 bicycles - cannot be mounted together with 1628235</td>
<td>1623312</td>
</tr>
<tr>
<td>Box Ultra 360 conversion kit - cannot be mounted together with 1623312</td>
<td>1628235</td>
</tr>
<tr>
<td>Conversion kit for removable towbar</td>
<td>1629982</td>
</tr>
<tr>
<td>Conversion kit for rigid towbar</td>
<td>1629981</td>
</tr>
<tr>
<td>Retrofitting of fixed towbar - only in combination (or if already installed) with AGITO VAN</td>
<td>1629981</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Towbar with AGITO VAN preparation</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removable towbar</td>
<td>1884403</td>
</tr>
<tr>
<td>Rigid towbar</td>
<td>1884627</td>
</tr>
<tr>
<td>Electrical cable set, 13-pin</td>
<td>1629822</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGITO Van for Fiat X250/Peugeot/Citroen from year of manufacture 2006</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base carrier</td>
<td>1628234</td>
</tr>
<tr>
<td>Conversion kit for 2 bicycles - cannot be mounted together with 1628235</td>
<td>1623312</td>
</tr>
<tr>
<td>Box Ultra 360 conversion kit - cannot be mounted together with 1623312</td>
<td>1628235</td>
</tr>
<tr>
<td>Conversion kit for removable towbar</td>
<td>1882595</td>
</tr>
<tr>
<td>Conversion kit for rigid towbar</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Towbar with AGITO VAN preparation</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removable towbar</td>
<td>1882593</td>
</tr>
<tr>
<td>Rigid towbar</td>
<td>1882594</td>
</tr>
<tr>
<td>Electrical cable set, 13-pin 2006 - 2011</td>
<td>1629087</td>
</tr>
<tr>
<td>Electrical cable set, 13-pin 2011 - present</td>
<td>1629089</td>
</tr>
</tbody>
</table>
CARRIER SYSTEMS – VANS
FUTURO E-LIFT – with electrically lowering platform

FUTURO E-LIFT - EVEN MORE COMFORTABLE
The successor to the FUTURO now offers maximum comfort with its remote controlled lowering transport platform.

ROBUST AND SAFE!
The stable 4-point fastening to the body ensures maximum stability. This ensures a stable and safe load at the rear of the vehicle.

AT A GLANCE
- Load capacity: up to 60 kg
- For max. 2 e-bikes or 3 bicycles
- Can be pivoted even when loaded
- Transport platform can be electrically lowered by 110 cm via remote control
- Folding and lockable transport platform
- Lockable swivel bracket
- Suitable for H2 and H3 roof variants
- No duplication of lighting required
- Only for vehicles with wing doors and door hinges up to 180°. Max. opening angle of the doors 90°.
- Please inform us if a reversing camera is fitted

Secure loads correctly! Information on page 37.
**ELECTRICALLY LOWERING TRANSPORT PLATFORM**

The transport platform can be lowered by 110 cm via remote control so that your bicycles or e-bikes can be loaded and secured without major effort.

**CAN BE PIVOTED EVEN WHEN LOADED**

Even when loaded the FUTURO E-LIFT can be easily swivelled open. This guarantees free access to the rear doors at all times.

**FOLDING TRANSPORT PLATFORM**

The transport platform can be easily folded up when the FUTURO E-LIFT is not required. The carrier can therefore remain on the vehicle, taking up little space and without affecting manoeuvrability.

---

<table>
<thead>
<tr>
<th>FUTURO E-Lift</th>
<th>High roof type</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete system for 2 e-bikes</td>
<td>H2</td>
<td>1629859</td>
</tr>
<tr>
<td>Complete system for 2 e-bikes</td>
<td>H3</td>
<td>1629861</td>
</tr>
<tr>
<td>Complete system for 3 bicycles</td>
<td>H2</td>
<td>1629860</td>
</tr>
<tr>
<td>Complete system for 3 bicycles</td>
<td>H3</td>
<td>1629862</td>
</tr>
<tr>
<td>FUTURO universal camera bracket</td>
<td></td>
<td>1629505</td>
</tr>
</tbody>
</table>

Suitable for FIAT Ducato, Peugeot Boxer, Citroen Jumper from 2006 model. Please inform us in the case of vehicles with reversing camera.
CARRIER SYSTEMS – VANS

FUTURO BASIC – IDEAL FOR PREMIUM BICYCLES

THE IDEAL REAR CARRIER FOR PREMIUM BICYCLES!

Thanks to its fixed, non-lowering transport platform, the FUTURO Basic offers an inexpensive alternative to the FUTURO E-Lift rear door style carrier and bridges the gap between the conventional door mounted carriers and the Futuro E-Lift that benefits from the automated lowering platform system.

ROBUST AND SAFE!

The stable 4-point fastening to the body ensures maximum stability. This ensures safer and more stable loads on the rear of the vehicle – especially with high-quality freight such as mountain bikes or racing bikes.

AT A GLANCE

- Load capacity: up to 80 kg
- For max. 3 bicycles
- Can be pivoted even when loaded
- Folding transport platform
- Lockable swivel bracket
- Suitable for H2 and H3 roof variants
- No duplication of lighting required
- Use of existing trailer hitch possible at the same time
- Please inform us if a reversing camera is fitted

<table>
<thead>
<tr>
<th>Futuro Basic (non-lowering transport platform)</th>
<th>High roof type</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete system for 2 bicycles</td>
<td>H2</td>
<td>1629526</td>
</tr>
<tr>
<td>Complete system for 2 bicycles</td>
<td>H3</td>
<td>1629779</td>
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<tr>
<td>Complete system for 3 bicycles</td>
<td>H2</td>
<td>1629502</td>
</tr>
<tr>
<td>Complete system for 3 bicycles</td>
<td>H3</td>
<td>1629573</td>
</tr>
</tbody>
</table>

Suitable for FIAT Ducato, Peugeot Boxer, Citroen Jumper from 2006 model
LOAD SAFETY

As the user of a load carrier, you are responsible for correctly securing the goods being transported.

The handlebar is fixed in position using the retaining arm and is secured to prevent it from falling over during the lashing process. The chocks are fastened to our standard motorcycle track with a wing nut, and provides your scooter/motorcycle stability. The scooter/motorcycle then has to be pulled down tightly using the tensioning straps. Our carrier systems are equipped with corresponding eyelets for this purpose.

Our universal lashing strap set offers optimal load securing for virtually any scooter/motorcycle.

Example illustration of a lashed scooter. Each scooter has its own characteristics and therefore also different fastening points. Look for the optimal solution for your scooter.

Important: The driver is always responsible for securing loads!
ACCESSORIES

BIKEY COVER BOX – THE LIGHTWEIGHT STORAGE EXTENSION

TRAVEL PROTECTED

The BIKEY cover box is equipped with a lightweight PVC tarpaulin and a sturdy wooden base plate for perfect storage space expansion. The frame is manufactured from aluminium. The tarpaulin is used, for example, to protect your high-quality e-bikes from dirt, water and prying eyes. In addition to bicycles, the box is also suitable for other bulky items such as camping furniture.

CAN BE RETROFITTED AT ANY TIME

It can be retrofitted to almost all carrier systems. The payload depends on the carrier system that is used.

AT A GLANCE

- Aluminium frame
- Weight approx. 12 kg not including carrier system
- Protects against spray water and dirt
- Also suitable for your camping equipment
- Can be opened at the sides and front
- Dimensions:
  - Width 2000 mm
  - Depth 800 mm
  - Height 1350 mm
- Also suitable for retrofitting on BASIC, MIKRO II, LIGERÖ III and VARIO
- Not suitable for transporting scooters or motorcycles

IDEAL PROTECTION

It is protected from damage at the top and back by reinforced tarpaulin material. It also has sturdy zippers as well as a convenient piping rail at the back.

RETROFIT KIT

The BIKEY cover box can be retrofitted on the BASIC, MIKRO II, LIGERÖ III and VARIO.

Part no. 1629920

www.sawiko.com
COMFORTABLE LOADING
The BIKEY cover box can be opened on 3 sides.

BICYCLE CONVERSION KIT
The conversion kit is suitable for 2 bicycles.
Scope of delivery:
1 holding arm 240 mm
1 holding arm with articulated joint 270x420 mm
4 wheel chocks

Part no. 1629904

<table>
<thead>
<tr>
<th>Article description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIKEY cover box without carrier system</td>
<td>1629244</td>
</tr>
<tr>
<td>Bicycle conversion kit for 2 bicycles</td>
<td>1629904</td>
</tr>
<tr>
<td>BASIC base carrier for cover box (if no carrier is available)</td>
<td>1629919</td>
</tr>
<tr>
<td>Holder for warning sign</td>
<td>1629824</td>
</tr>
<tr>
<td>Retrofit kit for BASIC, MIKRO II, LIGERO III and VARIO</td>
<td>1629920</td>
</tr>
<tr>
<td>Wheel chock, set with straps</td>
<td>1629327</td>
</tr>
</tbody>
</table>

BIKEY cover box on BASIC base carrier.
ACCESSORIES

TRANSPORT PLATFORM - VARIABLE APPLICATION

CAN BE RETROFITTED AT ANY TIME

Our transport platform can be retrofitted at any time and has many uses. It can easily transport your scooter or up to 4 bicycles or e-bikes. All fastening elements such as the wheel chocks with the practical ratchet quick release or the wheel retaining brackets for your scooter can be moved to any position on the rails. This ensures that the load is always perfectly secured. The sealed platform protects your load from below from dirt and spray water. The platform is suitable for LIGERO III, MIKRO II and VARIO.

PLATFORM SIZE 1

1885x540x70 mm.
Weight approx. 22 kg
Suitable for transporting up to 3 bicycles or e-bikes.
Part no. 1629854

Scope of delivery:
3 modules, connecting cap, fastening material

PLATFORM SIZE 2

1885x720x70 mm.
Weight approx. 29 kg
Suitable for transporting up to 4 bicycles or e-bikes.
Part no. 1629627

Scope of delivery:
4 modules, connecting cap, fastening material

PLATFORM SIZE 3

With integrated ramp.
1885x550x70 mm.
Weight approx. 28 kg
Suitable for transporting up to 1 scooter and 1 bicycle or e-bike. The integrated ramp is simply pushed under the scooter track and stowed securely.
Part no. 1629807

Scope of delivery:
2 modules, scooter track with integrated ramp, connecting flap, fastening material
MOTORCYCLE TRACK MODEL 3000

EASY TO USE

The ramp is stored in the motorcycle track, where it is protected from spray water, dirt and debris, and is simply pulled out when required. The stamped longitudinal and transverse ribbing prevents the tyre from slipping when it is pushed on. A special lashing strap set ensures that your scooter stands securely and firmly on the carrier. The lashing strap set consisting of a tubular wheel chocks, holding arm and tensioning straps is designed specifically for transport on the motorcycle track.

AT A GLANCE

- Payload up to 150 kg
- Net weight: approx. 15 kg
- The ramp can be pushed into the motorcycle track
- Fully aluminium
- Longitudinal and transverse ribbing prevents the wheels from slipping
- Can be retrofitted on almost all SAWIKO carriers at any time

Application example on LIGER III

<table>
<thead>
<tr>
<th>Model 3000</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorcycle tray with ramp &quot;Model 3000&quot;</td>
<td>1629650</td>
</tr>
<tr>
<td>“Spannfix” tensioning strap system for “Model 3000”</td>
<td>1629651</td>
</tr>
<tr>
<td>Special lashing strap set for “MODEL 3000”</td>
<td>1629593</td>
</tr>
</tbody>
</table>
ACCESSORIES
EVERYTHING YOU NEED FOR SECURING AND FASTENING

SPANNFIX
Our bestseller Spannfix is also available without floor attachment. Simply connect the hooks to the lashing eyes and tighten with the ratchet.
Part no. 1629352

WHEEL CHOCK
It is easily fastened on our standard motorcycle track with the wing nut and offers your scooter or motorcycle stability.
Part no. 1629248

TUBULAR WHEEL CHOCK SET
For scooters. For retrofitting for motorcycle track Model 3000.
Part no. 1629838

STANDARD MOTORCYCLE TRACK
Incl. ramp and mounts. Can be retrofitted on almost all SAWIKO carrier systems (except FUTURO, VELO III and AGITO Van).
Motorcycle track, ramp, mounts
Part no. 1628029
Mounts also available individually
Part no. 1885951

TUBULAR WHEEL CHOCKS
On platform for scooter wheels
Scope of delivery:
2 wheel chocks
Fastening kit
Part no. 1629628

CYCLE WHEEL CHOCKS
With ratchet quick release
Scope of delivery:
2 wheel chocks
Fastening kit
Part no. 1629605

RING BOLTS
For fastening lashing straps
Scope of delivery:
4 ring bolts with fastening nuts
Part no. 1629631
UNIVERSAL PROTECTIVE COVER

The cover can be used universally, e.g. for scooters. A hollow seam is worked in along the lower edge for the loosely enclosed rubber cord. A sleeve for the warning sign is already included.

Part no. 1629846

SCOOTER STEP BOARD TENSIONING SYSTEM

This system enables a scooter to be stowed even faster and more securely on a rear rack or in a rear garage. Enables infinite lashing. The system is manufactured from aluminium and is suitable for different step board heights. Adjustable feet can be optionally mounted to also secure scooters with a step board height greater than 100 mm.

1. Part no. 1629367  Max. tunnel height 100 mm
2. Part no. 1629368  Over tunnel height 100 mm
3. Part no. 1629369  Adjustable feet (with 1629367 only)

Optional pouch for warning sign (warning sign not incl.)
Part no. 1629824

Secure loads correctly! Information on page 37.
ASSOCIATED CYCLES
EVERYTHING YOU NEED FOR SECURING AND FASTENING

RAMP ELEVATION
Prevents the underside of the scooter from bottoming. The elevation is available for both the standard ramp and the MODEL 3000 track ramp.
Part no. 1629626

SUPPORT REINFORCEMENT
For standard ramp. Prevents the ramp from twisting. It is simply clipped on and clamps itself automatically when it is driven upon.
Part no. 1881743

REAR CARRIER ADAPTER SET
For attaching one additional bicycle rail above the light bracket. The adapter can be retrofitted on the LIGERO III, AGITO or KAWA II at any time.
Part no. 1629659

CHASSIS ROLLERS – PREVENT DAMAGE
Whoever drives a motorhome with a long overhang combined with a towbar or rear lowering is aware of this problem. Sometimes the ground clearance is sufficient, sometimes the slope angle is cause for concern. At critical points, the rear frame, the exhaust or the bumper of such vehicles comes into contact with the ground – even when unladen. Such situations and the possible follow-on costs that ensue can be avoided with our chassis rollers. The prerequisite for installation is a load-bearing substructure.

Universal, high version
Part no. 1629231

Universal, flat version
Part no. 1629278

For towbar MT001
Part no. 1629354
FASTENING SET
To secure your scooter perfectly in the garage, you first need a garage base attachment. A holding bar with a cross clamp is mounted on them.

Garage fastening
Part no. 1629393 400 mm length
Part no. 1629245 800 mm length

Holding bar for fastening to round tube with Ø 26.9 mm
Part no. 1882588 400 mm length
Part no. 1882589 600 mm length
Part no. 1882590 800 mm length
Part no. 1629229 Cross clamp, complete

LASHING RAIL SET
The universally adjustable lashing eyes (operated by pressure) enable almost any bulky objects to be fastened in the rear garage. The aluminium lashing rails (2,000 x 50 x 11.5 mm) can be easily shortened. To achieve an optically attractive impression, we recommend using the end pieces.

Set scope of delivery:
2 lashing rails, 4 end pieces, 4 lashing eyes, 2 SAWIKO tensioning straps

Accessories:
1 Part no. 1629286 Pressure-adjustable eye
2 Part no. 1629396 End pieces
3 Part no. 1623413 Individual tensioning strap
4 Part no. 1629394 Lashing rail
ACCESSORIES
EVERYTHING YOU NEED FOR SECURING AND FASTENING

HOLDING ARMS AND ACCESSORIES

1. Holding arms for cross beam with $\varnothing$ 30 mm:
   Always order holding arm adapter Part no. 1629230 with cross beam made of aluminium profile rail.
   - Part no. 1629246 400 mm
   - Part no. 1629247 600 mm
   - Part no. 1629228 800 mm

   Version for cross beam $\varnothing$ 26.9 mm on page 45

2. Cross clamp, complete
   Part no. 1629229

3. Adapter for aluminium profile rail
   Part no. 1629230

4. Interchangeable adapter
   Part no. 1629655

5. Cross clamp bridge
   For connecting 2 bicycles
   Part no. 1629330

6. Lockable cross clamp
   Part no. 1629387

7. Locking mechanism
   Part no. 1629358, individual

LASHING STRAP SET – UNIVERSAL & MODEL 3000

Universal
Part no. 1629014

Incl. 2 wheel chocks, 4 lashing straps and holding arm for one scooter

Model 3000
Part no. 1629593

Incl. 2 wheel brackets, 4 lashing straps and 1 holding arm for one scooter
HOLDING ARMS AND BICYCLE RAILS WITH RATCHET QUICK RELEASE

- Simple and fast operation
- Soft padding protects against damage
- Sturdy construction - ideal for e-bikes
- Universal - suitable for almost all carrier systems
- Can be retrofitted to existing carrier systems
- For 30 mm round tube

BICYCLE RAILS

Extend the options for your load carrier with our bicycle rails for retrofitting.

- Holding arm 240 mm length
  Part no. 1629028

- Holding arm 420 mm length, curved
  Part no. 1629029

- Holding arm with articulated joint 270x420 mm
  Part no. 1629606

- 1750 mm length
  Part no. 1629421

- 1750 mm length, incl. 3 straps
  Part no. 1629786

Secure loads correctly! Information on page 37.
# ACCESSORIES

## LIGHT BRACKET AND SPARE PARTS

<table>
<thead>
<tr>
<th>Light bracket with Roundpoint lights</th>
<th>Silver Part no.</th>
<th>Black Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete with lights</td>
<td>1629437</td>
<td>1629499</td>
</tr>
<tr>
<td>Without lights</td>
<td>1629652</td>
<td>1629664</td>
</tr>
<tr>
<td>Left rear light unit</td>
<td>1629653</td>
<td>1629665</td>
</tr>
<tr>
<td>Right rear light unit</td>
<td>1629654</td>
<td>1629666</td>
</tr>
<tr>
<td>Number plate light, unit</td>
<td>1629362</td>
<td></td>
</tr>
<tr>
<td>Right or left end cap</td>
<td>1629479</td>
<td></td>
</tr>
<tr>
<td>Limit light incl. bracket, short</td>
<td>1629262</td>
<td></td>
</tr>
<tr>
<td>Limit light incl. bracket, long</td>
<td>1629263</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light bracket 3000</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete with lights</td>
<td>1629303</td>
</tr>
<tr>
<td>Without lights</td>
<td>1629357</td>
</tr>
<tr>
<td>Complete rear light, right or left</td>
<td>1629488</td>
</tr>
<tr>
<td>Rear light glass, right or left</td>
<td>1629415</td>
</tr>
<tr>
<td>Number plate light, unit</td>
<td>1629362</td>
</tr>
<tr>
<td>Right or left end cap</td>
<td>1629479</td>
</tr>
<tr>
<td>Limit light incl. bracket, short</td>
<td>1629262</td>
</tr>
<tr>
<td>Limit light incl. bracket, long</td>
<td>1629263</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Light bracket VELO III</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete with lights</td>
<td>1629378</td>
</tr>
<tr>
<td>Without lights</td>
<td>1629374</td>
</tr>
<tr>
<td>Rear light, right</td>
<td>1629270</td>
</tr>
<tr>
<td>Rear light, left</td>
<td>1629271</td>
</tr>
<tr>
<td>Number plate light, unit</td>
<td>1629371</td>
</tr>
<tr>
<td>Limit lights incl. bracket, extendible, short</td>
<td>1629402</td>
</tr>
</tbody>
</table>

## LIMIT LIGHTS

LED lights with additional orange marking light.

Prices and part numbers can be found in the tables above.
SPARE WHEEL BRACKET FOR FIAT DUCATO

DO YOU KNOW WHERE YOUR SPARE WHEEL IS?

The SAWIKO spare wheel bracket offers welcome help in an emergency. The bracket is suitable for almost all Ducato 230/244 and X250 vehicles with long, medium and short wheelbase. We offer two variants. Either between the two axles or directly behind the rear axle.

SPARE WHEEL VALVE EXTENSION:

A 1,200 mm long braided hose fastened to the valve enables you to check your spare wheel’s tyre pressure as required.

<table>
<thead>
<tr>
<th>Spare wheel bracket</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Ducato X250 - version behind the rear axle*</td>
<td>1629215</td>
</tr>
<tr>
<td>For Ducato X250 - version between the axles*</td>
<td>1629216</td>
</tr>
<tr>
<td>For AMC Chassis - can only be fitted with sufficient ground clearance</td>
<td>1629811</td>
</tr>
<tr>
<td>Steel wheel 15&quot; X250/X290 without tyre</td>
<td>1884997</td>
</tr>
<tr>
<td>Steel wheel 16&quot; X250/X290 without tyre</td>
<td>1884998</td>
</tr>
<tr>
<td>Spare wheel valve extension 1200 mm</td>
<td>1629236</td>
</tr>
</tbody>
</table>

Use only possible with original steel wheels! Please request our data sheet!
KNOW-HOW

THE X DIMENSION

The X dimension specifies the overhang of the mobile home body over the series chassis.

When ordering, please specify the dimensions entered on the drawing if your vehicle should not be listed in our database. (contact us in case of doubt)

If a tank, storage compartment or similar is installed in your vehicle in the area labelled with “Z”, please request a special dimension sheet by telephone.

THE D-VALUE

The D-value is an indication of the strength of a towbar. It can be calculated using the following formula:

\[
D = \frac{G(K) \times G(A)}{G(K) + (A)} \times 9.81
\]

Where \(G(K)\) is the gross weight of the towing vehicle in tonnes and \(G(A)\) is the gross weight of the trailer, also in tonnes.

For example, a Fiat Ducato with 3.5 t gross weight and towing capacity of 2 t requires a towbar with a minimum D value of:

\[
D = \frac{3.5 \times 2.0}{3.5 + 2.0} \times 9.81 = 12.50kN
\]

The actual permissible trailer load is based on the value stated in the vehicle registration documents. You are welcome to contact us in the event of any questions.
HOW MUCH PAYLOAD IS PERMITTED?

The permitted loading of a motorbike carrier on the motorhome depends on the permitted rear axle load of the vehicle and the technically permitted loading of the carrier. Also important are the detailed weights that the trailer manufacturer individually approves for their vehicles. There are different chassis and frame extensions that can be loaded to different extents. The possible payload can be calculated with the following formula:

\[ F(L) = F(HA) \times A \]

\[ A + B \]

- \( F(L) \) = permissible cargo weight
- \( F(HA) \) = difference between permissible and real/weighted rear axle load
- \( A \) = wheelbase
- \( B \) = effective lever arm of the cargo weight (for an approximate calculation, it can be assumed that the centre of gravity of the load is approx. 350 mm behind the end of the vehicle).

If you require a higher load than that calculated, it may be possible to increase the axle load by means of load uprating.
PURCHASE ADVICE

RETROFITTING A TOWBAR?
Our experience and expertise enable us to offer towbars for most European vehicles. Towbars for other vehicles can be produced individually by us or by our service partners.

Please observe or check the permissible trailer loads for your vehicle. You are welcome to contact us any time in the event of any questions.

WHICH CARRIER SYSTEM? WHAT LOAD CAPACITY?
Many factors must be taken into account to assess the load that can be "carried" by a motorhome. The general vehicle data such as rear axle load and gross weight must be taken into account when determining the vehicle load capacity. It is also necessary to clarify the load-bearing capacity of the motorhome chassis and any chassis extension.

The maximum load capacity on the vehicle depends on the vehicle manufacturer/model. In order to avoid damage to the vehicle, it is imperative that the maximum permissible load capacity is not exceeded. Observe the permissible load capacity for your vehicle.

In some cases a body manufacturer may not approve the attachment of load carriers on a particular vehicle.

HOW IS THE CARRIER REMOVED?
Simply loosen the clamping screws and locking pins on the mounting elements. You do not need any tools.
WHAT ARE REINFORCEMENTS?

In many cases an original chassis (e.g. from Fiat/Mercedes/etc.) is too short to build a motorhome. A frame extension is therefore required in the majority of cases. It carries the rear garage or the entire rear section of the vehicle.

As a rear garage with, for example, a payload of 150 kg has considerably lower forces than a 2,000 kg trailer coupling or an additional load carrier, the frame extension must be reinforced with components tested by the EC in order to create a stable connection.

The reinforcement of the frame extension with respective components is required for the assembly of a towbar or a load carrier.

OTHER HELPFUL POINTS

- A towbar and load carrier can be combined (they cannot be used at the same time)
- Load carriers can continue to be used when changing vehicles. Only the mountings specific to the particular vehicle are required.
- The electrical cable set must always be ordered separately (omitted if the towbar is already present).
We only need a few details:
To enable us to process your query regarding a towbar or a rear carrier system as quickly and correctly as possible without delay, your information must be complete. If any information is missing, we will contact you again to coordinate all technical details correctly.

1. Base vehicle: E.g. Fiat Ducato X290
2. Motorhome manufacturer: E.g. Dethleffs
3. Model/sales designation: E.g. Advantage T6611
4. Year of manufacture: E.g. January 2010
5. Chassis number: (Helpful in the case of AMC Chassis)
6. Additional information: Each motorhome is a special motor vehicle. Under certain circumstances, it may therefore occur that the above data are not sufficient. Make sure and contact our technical department. We have special dimension sheets available for you. If a frame extension is installed, you can also mail us a photo of it.
PREMIUM SOLUTIONS FOR THE HIGHEST OF DEMANDS

Appropriate accessories make your holidays a pleasure and increase the leisure value of your motorhome – with our premium carrier solutions and towbars, we meet the highest of customer requirements so that you can get your holiday off to a good start and return home relaxed.