

CAROLIFT

The wheelchair boot hoist program



The Carolift boot hoist program

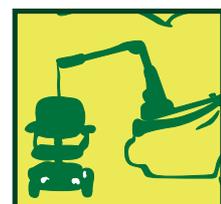
You have now in your hands a presentation of wheelchair boot hoists, developed and manufactured by the American company Bruno Independent Living Aids. This presentation also include the Carolift 90 and Carolift 140, which are developed and manufactured by Autoadapt. Our intention is to offer a high quality boot hoist program that meet safety requirements from authorities and users, providing a variety of features to suit different desires and situations.

The Bruno boot hoists all have the new R3 lift belt, which is a patented belt for maximum strength and durability. All boot hoists are CE-marked.



General advice

- **How heavy?** For safety reasons choose a hoist model with a lift capacity of good margin.
- **Is there enough room?** When choosing your hoist model you must make sure that the measurements of the mobility product and the vehicle fits together with the hoist. The measurements in the brochure gives only information about the hoist. By any uncertainty, please consult Autoadapt.
- **The user** If the person operating the hoist has balance problems, or if the load is heavy, it is advisable to choose a hoist with powered rotation. If the user needs to lift the mobility device from the side of the vehicle, choose a hoist with an offset hoist arm, such as the ASL 450, VSL 602, 672 or 692.
- **The vehicle design** Consider also the design of the rear part of the vehicle. In a vehicle with a drop rear door or wide bumpers you may need a hoist model that is designed for this purpose. Choose a Carolift model with an offset hoist arm, such as the ASL 450, VSL 602, 672 or 692.
- **Strength** Make sure that the construction of the vehicle floor is strong enough for a hoist lifting a heavy load. In some cases it is necessary to strengthen the fixing points in the vehicle floor where the mounting base is mounted. Always use the mounting base that is included with the Carolift.
- **Secured wheelchair** It is important that the wheelchair/scooter is properly secured to the vehicle floor when loaded. Belts for securing the wheelchair must be installed.



Mounting base

Every Carolift model is delivered with a universal mounting base.

The mounting base is adjustable and no cutting is needed to fit it into the space available.

Make sure the vehicle floor construction is strong enough for the lifted load. In some cases it might be necessary to strengthen the vehicle fixing points.

It is important to use the included mounting base, when installing the Carolift hoist. This is to ensure that the safety corresponds to the tests that have been carried out. It is also important to follow the instructions on how to install it.



All Carolift hoists include an adjustable mounting base.

Docking device

Every Carolift model is delivered with a docking device.

All Carolift models are delivered with a docking device. The docking devices are adjustable and can easily be fitted for your specific mobility product.

In each product presentation, under the headline "Docking device", you can easily see which alternative is the most suitable for your specific wheelchair or scooter. The article number comprehends hoist model plus the specified docking device.

Carony docking device for lifting the Carony under-carriage.



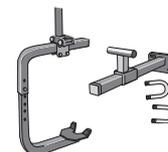
Clamping Claw for foldable manual wheelchairs in an upright position of maximum 25 kg.



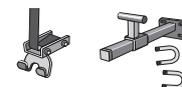
Claw and T-bar for horizontally loaded foldable manual wheelchairs of maximum 25 kg.



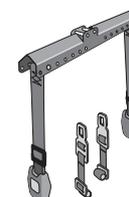
C-arm and a T-bar for Scooters and Power wheelchairs with seat of maximum 180 kg.



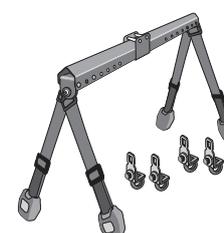
Claw and a T-bar for scooters with seat removed, of maximum 180 kg.



Two belts Docking Device Assembly for max. 90 kg, for all types of light weight rigid wheelchairs.



Four belts Docking Device Assembly for max. 180 kg, for all types of fully assembled heavy weight wheelchairs.



CAROLIFT AWL 100

Hoist for storing a folded manual wheelchair in flat position



The **Carolift AWL 100** is a hoist for installation in the boot of a sedan car or in the luggage compartment of a station wagon. The lifting capacity is 25 kg. The powered lifting and lowering is operated by a hand control pendant. The rotating movement is manual.

Delivered with a small mounting plate and docking device.



With your guidance the lift will tilt the wheelchair into the horizontal position.



Remove the claw from the docking device and fold down the hoist arm.

Sedan vehicles
or station wagons.



Manual folding
wheelchair in
flat position.



Max 25 kg

POWERED lift

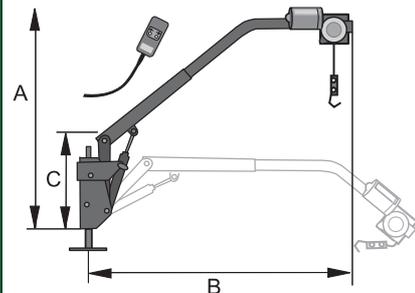


MANUAL rotation



SPECIAL FEATURES

The AWL 100 is lowered towards the floor when not in use.



MEASUREMENTS

A= Min: 75,5 cm, Max: 89 cm

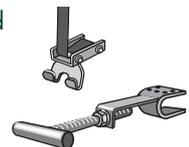
B= Min: 67 cm, Max: 75 cm

C= 31.75 cm

103 cm width needed to fully collapse hoist.

DOCKING DEVICE

Art No: 100997
AWL 100 delivered with **Claw** and **T-bar** for manual folded wheelchairs.



Art No: 101132
AWL 100 delivered with **Carony docking device**



CAROLIFT AWL 150

Hoist for storing a folded manual wheelchair in an upright position



The Carolift AWL 150 is a hoist for installation in a minivan or a full-size van, where the manual wheelchair can be stored standing up. Stored in this way, it will not take up so much space from the luggage area.

The lifting capacity is 25 kg.
The powered lifting and lowering is operated by a hand control pendant. The rotating movement is manual.

Delivered with mounting base and docking device.

Minivans and
Full-size vans.



Manual folded
wheelchair in
upright position



Max 25 kg

POWERED lift

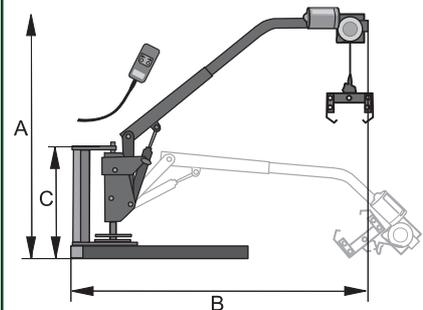


MANUAL rotation



SPECIAL FEATURES

The AWL 150 lifts the folded manual wheelchair in an upright position.



MEASUREMENTS

A= Min: 96,5 cm, Max: 111 cm

B= Min: 73,5 cm, Max: 82 cm

C= 51 cm

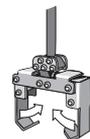
109 cm width needed to fully collapse hoist.

DOCKING DEVICE

Art No: 100998

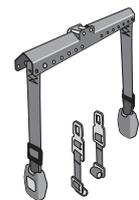
AWL 150 delivered with **Clamping Claws**

Foldable wheelchairs.



Art No: 101037

AWL 150 delivered with **Docking Device Assembly** for rigid manual wheelchair.



Art No: 101133

AWL 150 delivered with **Carony docking device**



CAROLIFT ASL 325

A take-apart hoist for sedan cars



The **Carolift ASL 325** is a take-apart hoist that solves the problem of storing a scooter or wheelchair in smaller vehicles with limited boot space. Bear in mind that the user must be able to disassemble the seat from the scooter. The lift capacity is 82 kg.

The ASL 325 powered lift is operated by controls on top of the hoist arm. The hoist arm is rotated manually in- and outwards. The hoist disassembles quick and easy, requiring only three steps, and can be stored anywhere in the boot or inside the car.

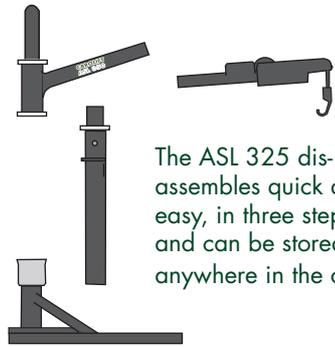
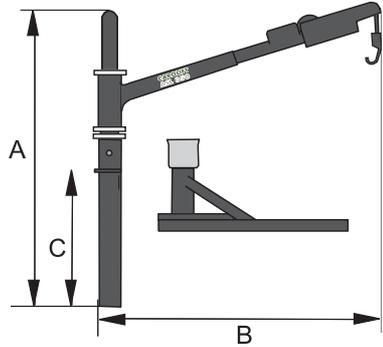
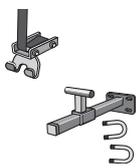
Delivered with mounting base and docking device.



Disconnect the lift claw from the scooter's T-bar docking device and disassemble the lift. The heaviest piece weighs only 6 kg.



The three pieces of the Carolift ASL 325 can be stored together with the wheelchair/scooter or anywhere else inside your vehicle.

Sedan cars	
Scooters with seat removed.	 Max 82 kg
POWERED	lift 
MANUAL	rotation 
SPECIAL FEATURES	
	The ASL 325 disassembles quick and easy, in three steps, and can be stored anywhere in the car.
MEASUREMENTS	
	
A= Min: 100.5 cm, Max: 133 cm B= Min: 82.5 cm, Max: 93.5 cm C= 37.5 cm	
DOCKING DEVICE	
Art No: 101001 ASL 325 delivered with a Claw and a T-bar . For scooters with seat removed.	
	

CAROLIFT ASL 350

Space-saving, take-apart hoist for narrow boot openings



The Carolift ASL 350 has a unique offset designed lift arm that allows you to load a partially assembled scooter in a small car with narrow boot opening. Bear in mind that the user must be able to disassemble the seat from the scooter.

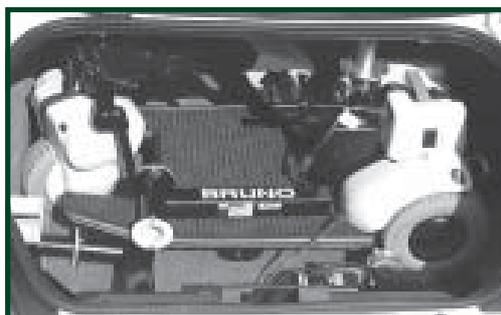
The ASL 350 powered lifting and lowering function is operated by controls on top of the hoist arm. The hoist arm rotates manually in- and outwards.

The hoist can be stored anywhere, in the boot or inside the car. It disassembles quickly and easily, requiring only three steps.

Delivered with mounting base and docking device.



Disassemble the hoist, when not in use, and store it anywhere in the car.



The scooter and the Carolift ASL 350 is now securely stored. Close the boot lid and you are ready to go!

Sedan cars (specially for cars with narrow boot openings)



Scooters with removed seat.



Max 82 kg

POWERED lift



MANUAL rotation

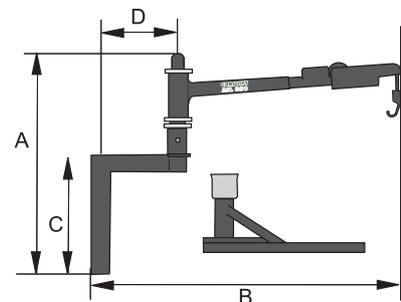


SPECIAL FEATURES



The ASL 350 disassembles easily, in three steps, and can be stored anywhere in the car.

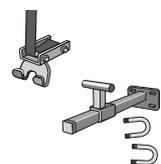
MEASUREMENTS



A= Min: 78.5 cm, Max: 92 cm
B= Min: 104.5 cm, Max: 116.5 cm
C= 56.3 cm
D= 21.5 cm

DOCKING DEVICE

Art No: 101002
ASL 350 delivered with a low profile **Claw** and a **T-bar**.
For scooters with seat removed.



CAROLIFT 90

Stores manual and powered wheelchairs of up to 90 kg



The **Carolift 90** is a hoist for storing manual wheelchairs or powered wheelchairs and scooters of up to 90 kg in station wagons, minivans or full-size vans.

The hoist has powered functions for lifting up, swinging inside/outside and placing down the wheelchair. All you have to do is press the hand control buttons and guide the wheelchair to the right position.

When not in use the Carolift 90 can be lowered towards the floor.

The Carolift 90 hoist arm can be cut horizontally and/or vertically, according to the installation instructions, to fit the space in the vehicle and the distance to the mobility device.

Delivered with mounting base and docking device.



Carolift 90 lifts can be used for powered or manual wheelchairs weighing up to 90 kg.

Station wagons,
Minivans and
Full-size vans.



Manual rigid
wheelchairs,
Power
wheelchairs
and scooters



Max 90 kg

POWERED lift

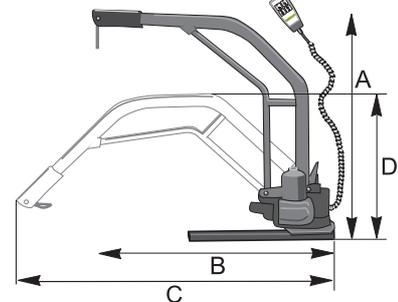


POWERED rotation



SPECIAL FEATURE

The Carolift 90 is lowered towards the floor when not in use.



MEASUREMENTS

A= 108 cm including mounting base. Height adjusted by cutting.

B= 87 cm. Length adjusted by cutting.

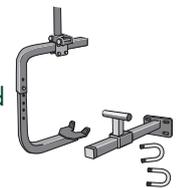
C= Max 138 cm D= Max 59 cm

DOCKING DEVICE

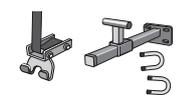
Art No: 101105
Carolift 90 delivered with **Carony docking device**



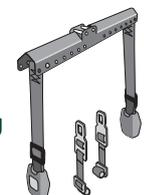
Art No: 101102
Carolift 90 delivered with **C-arm and T-bar** for Scooters and Power wheelchairs with seat.



Art No: 101104
Carolift 90 delivered with **Claw** and a **T-bar** for scooters with removed seat.



Art No: 101092
Carolift 90 delivered with **2-belt Docking Device Assembly**



CAROLIFT 140

Stores power wheelchairs and scooters
in station wagons or minibuses



The Carolift 140 is a hoist for storing powered wheelchairs or scooters of up to 140 kg in station wagons, minivans or full-size vans.

The hoist has powered functions for lifting up, swinging inside/outside and placing down the wheelchair. All you have to do is press the hand control buttons and guide the wheelchair to the right position.

When not in use the Carolift 140 can be lowered towards the floor.

The Carolift 140 hoist arm can be cut horizontally and/or vertically, according to the installation instructions, to fit the space in the vehicle and the distance to the mobility device.

Delivered with mounting base and docking device.



Thanks to the powered rotation of the hoist arm it is an easy job getting the wheelchair inside the vehicle.

Station wagons
Minivans and
Full-size vans.



Power wheel-
chairs and
scooters



Max 140 kg

POWERED

lift



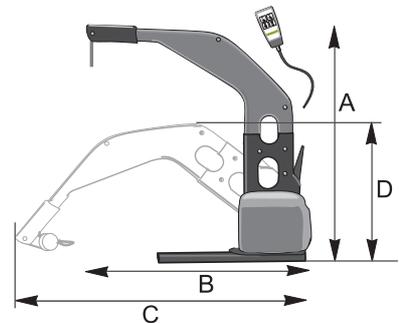
POWERED

rotation



SPECIAL FEATURE

The Carolift 140 is lowered towards the floor when not in use.



MEASUREMENTS

A= 105 cm including mounting base. The hoist is height adjusted by cutting (down to 74 cm).

B= 82.5 cm. The length of hoist arm is adjusted by cutting.

C= Max 134 cm

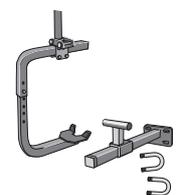
D= Max 62 cm

DOCKING DEVICE

Art No: 101093
Carolift 140 delivered with **4-belt Docking Device Assembly**



Art No: 101103
Carolift 140 delivered with **C-arm and T-bar** for Scooters and Power wheelchairs with seat.



CAROLIFT ASL 450

Easy to handle and smartly designed hoist for lifting 90 kg



The Carolift ASL 450 is a smartly designed foldable hoist for installation in most sedan cars, station wagons, SUV and Minivans. Fits into smaller sedan boots where space is limited, especially when boot opening is narrow.

The offset designed hoist arm makes it possible to pick up your scooter from a position at the side of the vehicle. The ASL 450 is easy to handle, demands very little effort to operate and takes up a minimum of space inside the vehicle. Simply fold down the hoist in two steps. The effort it takes to unfold the hoist and lift it up again is less than 1 kg.

Delivered with mounting base and docking device.

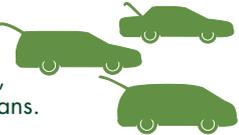


The hoist is easy to handle.



Fold down the hoist in two steps.

Fits most types of sedan cars, station wagons, SUV and minivans.



Scooters with removed seat. Power wheelchairs.



Max 90 kg

POWERED lift

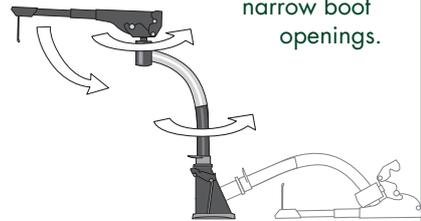


MANUAL rotation



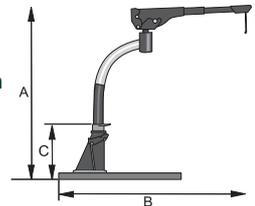
SPECIAL FEATURES

- Picks up a scooter from the side the vehicle.
- Smart foldable design.
- Fits also into sedan cars with narrow boot openings.



MEASUREMENTS

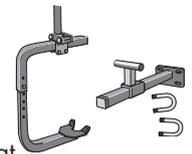
A=
Min: 84 cm,
Max: 95.5 cm
B=
Min: 115 cm,
Max: 130 cm
C= 38 cm



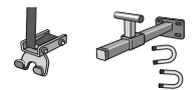
120 cm needed to fully collapse lift.

DOCKING DEVICE

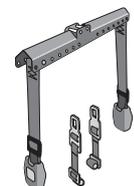
Art No: 101046
ASL 450 delivered with **C-arm** and a **T-bar**. Scooters and Power wheelchairs with seat.



Art No: 101044
ASL 450 delivered with a **Claw** and a **T-bar**. For scooters with seat removed.



Art No: 101045
ASL 450 delivered with a **2-belt Docking Device Assembly**



CAROLIFT VSL 570

Wheelchair hoist for minivans, SUVs and full-sized vans



The **Carolift VSL 570** securely stores your mobility product, weighing up to 180 kg, into most minivans, SUVs and full-size vans.

The VSL 570 is a fully adjustable hoist and requires no structural modification.

The VSL 570 is operated with a hand control pendant for lifting and lowering. The rotation is manual and has a low-resistance design, requiring minimum strength, and is easy to swing in and out.

Delivered with mounting base and docking device.



Swing the power wheelchair manually inside the vehicle. Press the button for lowering when the wheelchair has reached a suitable position.

Most minivans, SUVs and full-size vans.



Power wheelchairs and Scooters.



Max 180kg

POWERED

lift

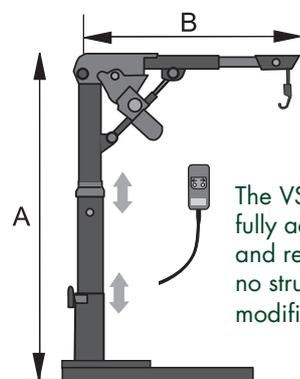


MANUAL

rotation



SPECIAL FEATURES



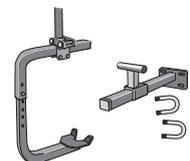
The VSL 570 is fully adjustable and requires no structural modification.

MEASUREMENTS

A= Min: 91 cm, Max: 120.5 cm
B= Min: 69 cm, Max: 91 cm

DOCKING DEVICE

Art No: 101041
VSL 570 delivered with **C-arm** and a **T-bar** for Scooters and Power wheelchairs with seat.



Art No: 101004
VSL 570 delivered with a **4-belt Docking Device Assembly**



CAROLIFT VSL 602

Offset hoist arm for a 180° powered rotation



The **Carolift VSL 602** is a hoist for installation in most types of vans and minivans.

The VSL 602 has an offset hoist arm, which enables the user to lift a wheelchair or scooter, weighing up to 113 kg, from a position at the side of the vehicle, or directly behind it. This feature also provides for an installation in a vehicle with a drop rear door or wide bumpers.



The VSL 602 is equipped with a low profile lift arm with angle adjustment that allows the placement of larger power bases into smaller vehicle openings.



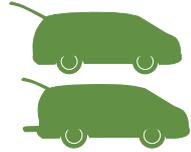
The hoist is operated with a hand control pendant, used for lifting, lowering and rotating the wheelchair.

Delivered with mounting base and docking device.



Thanks to the offset hoist arm construction, the VSL 602, 672 and 692 can pick up your power wheelchair or scooter from a position at the side of the vehicle.

Vans, minivans, and vehicles with a drop rear door or wide bumpers.



Scooters and power wheelchairs.



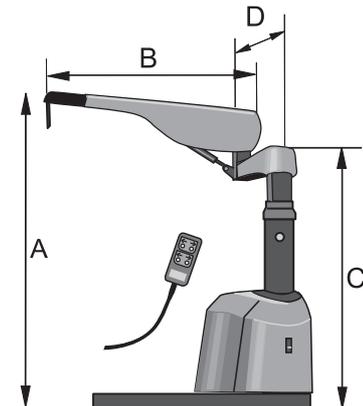
Max 113 kg

POWERED lift 

POWERED rotation 

SPECIAL FEATURES

- The offset hoist arm can rotate the wheelchair 180°, to and from the side of the vehicle.
- Angle adjustable low profile arm.



MEASUREMENTS

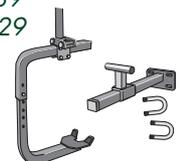
A= Min: 76.5 cm, Max: 102 cm
 B= Min: 52 cm, Max: 86 cm
 C= Min: 55 cm, Max: 84.5 cm
 D= 36 cm (47.5 cm to back of motor cover)

DOCKING DEVICE

(LHD) Art. No: 101089

(RHD) Art. No: 101129

VSL 602 delivered with **C-arm** and a **T-bar** for scooters and Power wheelchairs with seat.



(LHD) Art. No: 101088

(RHD) Art. No: 101128

VSL 602 delivered with a **4-belt Docking Device Assembly**



CAROLIFT VSL 672

Offset hoist arm for 180° powered rotation



The **Carolift VSL 672** is a hoist for installation in most types of vans and minivans.

The VSL 672 has a offset hoist arm, which enables the user to lift a 180 kg wheelchair from a position beside the vehicle. The offset hoist arm also provides for an installation in a vehicle with a drop rear door or wide bumpers.

The VSL 672 is equipped with a low profile lift arm with angle adjustment that allows the placement of larger power bases into smaller vehicle openings.

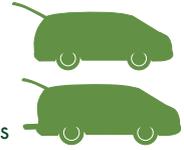
The hoist is operated with a hand control pendant, used for lifting, lowering and rotating the wheelchair.

Delivered with mounting base and docking device.



The Carolift VSL 672 lifts up a load of up to 180 kg and swings it inside your vehicle.

Vans, minivans, SUVs and vehicles with a drop rear door. Some station wagons



Heavy Power wheelchairs and Scooters.



Max 180kg

POWERED

lift



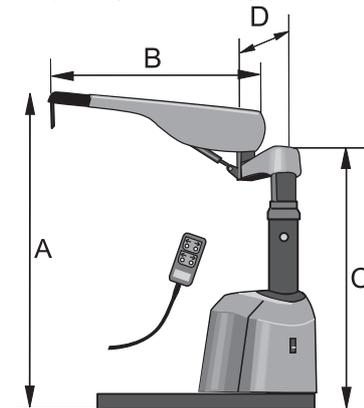
POWERED

rotation



SPECIAL FEATURES

- The offset hoist arm can rotate the wheelchair 180°, to and from the side of the vehicle.
- Angle adjustable low profile arm.

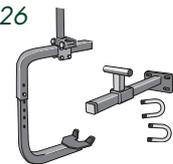


MEASUREMENTS

A= Min: 76.5 cm, Max: 129 cm
 B= Min: 70 cm, Max: 94 cm
 C= Min: 55 cm, Max: 84.5 cm
 D= 36 cm (47.5 cm to back of motor cover)

DOCKING DEVICE

(LHD) Art No: 101087
 (RHD) Art. No: 101126
 VSL 672 delivered with **C-arm** and a **T-bar** for scooters and Power wheelchairs with seat.



(LHD) Art No: 101086
 (RHD) Art. No: 101127
 VSL 672 delivered with a **4-belt Docking Device Assembly**



CAROLIFT VSL 692

Offset hoist arm for a 180° powered rotation with a telescoping outer arm



The **Carolift VSL 692** is suitable for installation in minivans, SUVs, full-size vans and some station wagons.

The VSL 692 has an offset hoist arm, which enables it to rotate 180 degrees. This means that the user can lift a 180 kg wheelchair from a position beside the vehicle. By installation in a vehicle with a drop rear door the wheelchair can be stored, inspite of the lid shooting out from the rear of the vehicle.

The powered telescoping outer arm provides for a 15 cm extension. This is of great advantage for installations in vehicles with severely sloped rear body designs and wide bumpers. The hoist is operated with a hand control pendant, used for lifting, lowering and rotating the wheelchair.

Delivered with mounting base and docking device.

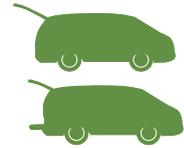


You can pick up the wheelchair standing on the pavement, by the side of the vehicle.



The outer arm provides for a 15 cm telescoping extension.

Vans, minivans, SUV and vehicles with a drop rear door shooting out.



Power wheelchairs and Scooters.



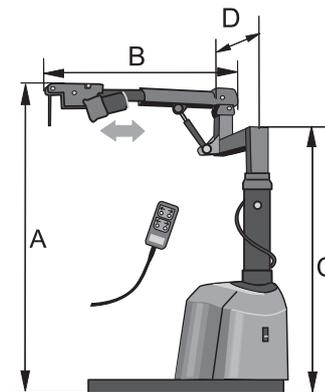
Max 180kg

POWERED lift 

POWERED rotation 

SPECIAL FEATURES

- Offset hoist arm rotating 180°, to and from the side of the vehicle.
- Telescoping outer arm.
- Angle adjustable low profile arm.



MEASUREMENTS

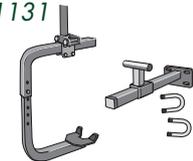
A= Min: 78.5 cm, Max: 107.5 cm
 B= Min: 52 cm, Max: 85 cm
 C= Min: 55 cm, Max: 84.5 cm
 D= 36 cm (43.5 cm to back of motor cover)

DOCKING DEVICE

(LHD) Art. No: 101091

(RHD) Art. No: 101131

VSL 692 delivered with **C-arm** and a **T-bar** for scooters and Power wheelchairs with seat.



(LHD) Art. No: 101090

(RHD) Art. No: 101130

VSL 692 delivered with a **4-belt Docking Device Assembly**



CAROLIFT VSL 900

Stores the wheelchair or scooter through the side sliding door



The Carolift VSL 900 stores a wheelchair or scooter of up to 90 kg through the side sliding door of a minivan or a full-size van.

The hoist runs on a rail in the floor and moves the wheelchair straight in or out of the vehicle. The VSL 900 leaves enough room inside the vehicle for passengers sitting in the rear seats. The VSL 900 leaves the doorway un-blocked when a wheelchair is not loaded. The lifting and lowering and the movement in and out are powered and operated by using the hand control pendant.

Delivered with mounting base and docking device.



The VSL 900 is also useful for loading a foldable wheelchair.



The VSL 900 stores the scooter straight inside the vehicle, along the rails in the floor.

Side sliding doors of minivans and full size vans.



Wheelchairs, Power wheelchairs and Scooters.



Max 90 kg

POWERED lift

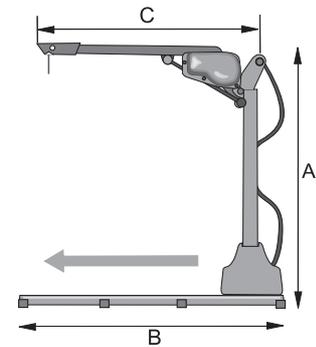


POWERED straight in/out



SPECIAL FEATURES

- The hoist runs on a floor rail.
- Leaves the door unblocked, when not in use.

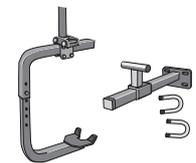


MEASUREMENTS

A= Min: 103 cm, Max: 149 cm
B= Min: 134.5 cm, Max: 152.4 cm
C= Min: 84 cm, Max: 115 cm

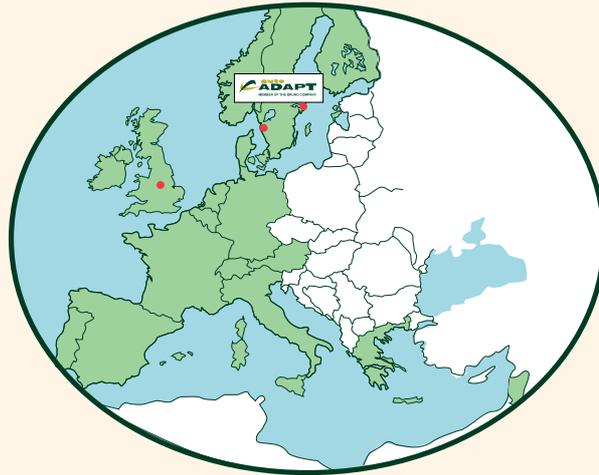
DOCKING DEVICE

Art No: 101006
VSL 900 delivered with **C-arm** and a **T-bar**.
Scooters and Power wheelchairs with seat.



Art No: 101043
VSL 900 delivered with a **4-belt Docking Device Assembly**





Autoadapt authorized dealers in Europe

The Carolift boot hoists, that are presented in this catalogue, are only distributed by Autoadapt in the European market.

For information about the nearest dealer
please consult our web site: www.autoadapt.com
or contact Autoadapt on phone: +46 (0)302 558 20
In the UK market please contact Autoadapt UK
on phone: +44 (0)121 333 5170

Outside Europe, Bruno Independent Living Aids in USA distributes all boot hoist models, except the 90 and the 140.

Please contact us for more information!



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Fax: 0121 359 61 94 e-mail: contact@autoadapt.se Web site: www.autoadapt.com

