

Bohle



VERIBOR<sup>®</sup>

Handling Technology



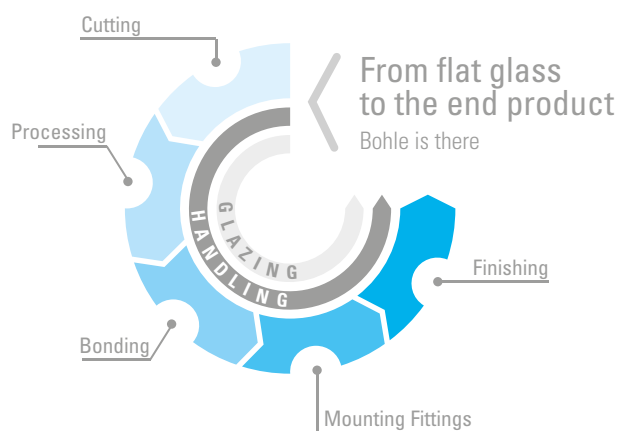
# This is Bohle

The Bohle Group is Europe's leading manufacturer and supplier of tools, machines and accessories for glass processing and finishing. The family business, founded in 1923, is now represented by over 300 employees at numerous locations in Germany and abroad. Divided into product divisions for Handling, Glass Cutting (manual and automatic), Glass Bonding, Glazing, Tools, Machinery, Fittings and Surface Technology, the entire product range is precisely tailored to the respective customer groups from trade, industry and retail.

Quality is the leading principle at Bohle – in every area.

To live up to this standard, the company develops and manufactures many products themselves.

A modern logistics centre quickly dispatches the ordered goods to the customer.



## Our focus is on glass - But that's not all

Glass has been the focus of Bohle's activities since the company was founded. But many of their products are also applied in other sectors. For example, products from the vacuum technology sector are also used in stoneworking, automobile manufacturing as well as other industrial enterprises - as standard products or as customised solutions.

## Symbols



### New Product

Products which are new or shown for the first time in this catalogue.



### Bulky Goods

Products may have to be declared as "bulky" depending on the version, mode of transportation and destination - please ask your account manager for details.

# Bohle Handling Technology

Bohle is a leading manufacturer of lifting and transport devices. The comprehensive range of products ranges from simple auxiliary devices for lifting and handling of loads via handling tools together with the corresponding accessories up to entire handling systems. There is a particular focus on handling products based on vacuum technology. If you are looking for a product for lifting, carrying and transporting loads or for positioning, fixing or temporary fixing, Bohle has the right application for you.

## New Catalogue – Improved Overview

It does not matter what you would like to lift, carry or fix - at Bohle you will always find the suitable handling device. Our extensive portfolio is subdivided into the following divisions

- 01 Handling with Vacuum Technology**
- 02 Handling without Vacuum Technology**
- 03 Handling Devices**
- 04 Positioning and Fixing Devices**
- 05 Protective Equipment**

and offers the right product for any requirement. If you have questions, our competent team will be happy to assist you.



## Made in Germany

Our products are developed and manufactured exclusively in Germany - with particular attention being paid to safety and ergonomics. Veribor®: A Bohle Group quality brand - Made in Germany

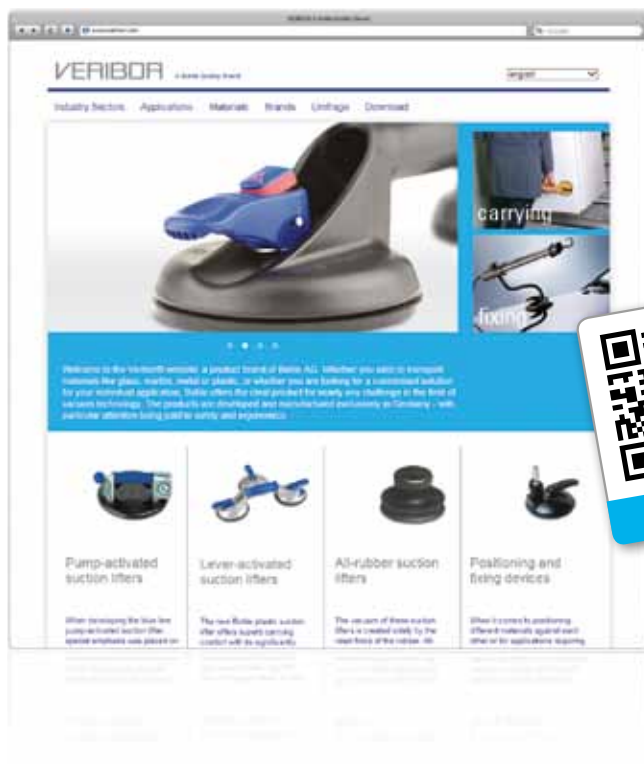
The selection of raw materials and the manufacturing process ensure that Bohle products are not harmful to health. PAH values (polycyclic aromatic hydrocarbons) are always complied with as a standard.



# Veribor®: A Quality Brand



Whether you need to move materials such as glass, marble, metal sheets or plastic or you are looking for a solution for a specific fixing problem: In the area of vacuum technology Bohle offers suitable products for almost any challenge you might face.



## The Veribor® website

You will find further information on the Veribor® website, a Bohle product brand, at [www.veribor.com](http://www.veribor.com).



We would like to improve the handling technology product range together with you. Take part in our survey!

[www.veribor.com](http://www.veribor.com)



## Bohle Showrooms

Some of our subsidiaries are equipped with spacious showrooms which invite visitors to try and test our products. Your local subsidiary will be happy to inform you about opening times and the product range on display.

We are looking forward to your visit!



# Bohle Brands

## VERIBOR

### Veribor®

Under the brand name Veribor®, suction lifters for the transport of diverse materials and objects have been developed, produced and sold since 1950. Today the Veribor® product range includes lifting and carrying devices ranging from pump-activated suction lifters to the smallest positioning and fixing devices.

## VERIFIX

### Verifix®

The brand name Verifix® represents the Bohle range of UV bonding products. For many years the company has been intensively engaged in the area of glass bonding and today is the technology leader in this field. From fixing and dispensing aids to UV adhesives, the Verifix® range includes all the products needed for high quality and durable glass bonds.



## Wood's Powr-Grip® Vacuum Lifters

Wood's Powr-Grip® vacuum lifters are available in several different series and versions with optional features as well as additional practical accessories. Here you find only a few samples from our comprehensive product range. Ask for detailed information about further products, optional equipment and special designs. Data sheets for individual vacuum lifters are also available. We would be happy to send you a quote tailored to your specific requirements.

## Liftmaster

### Liftmaster - Innovative Handling Aids

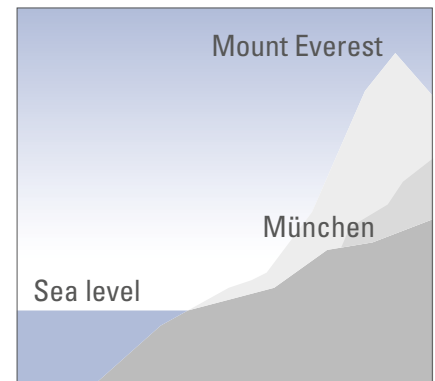
The tendency towards increasingly larger glass constructions in architecture and the growing usage of 2-gap insulating glass pose new challenges for glass processors and assemblers: Elements which could previously be moved by two people have now become so heavy that they can hardly be transported manually on site or within company premises any longer. With the Liftmaster products, Bohle has developed innovative handling and mounting aids which allow moving loads with a weight of up to 320 kg and a width of up to 3.80 m, such as glass panes, window elements or metal and stone plates easily and safely - by only one person.

# Background Information

Since 1657, when Otto von Guericke amazed the scientific world with his "Magdeburg semi-spheres", we have known that our atmosphere is under pressure. The earth is covered by a layer of air several kilometres thick whose weight presses onto the earth's surface. This is known as "atmospheric pressure". The farther you move away from the earth's surface, the lower the atmospheric pressure: up to an altitude of 2000 m, it decreases by 1.23% per 100 m.

Here are a few examples:

Sea level	0 m	1013 mbar
Munich	530 m	951 mbar
On the Zugspitze	2963 m	704 mbar
On Mount Everest	8850 m	314 mbar



This means that a lifting device with a carrying capacity of 100 kg (at sea level) has a carrying capacity of only 87.7 kg at an altitude of 1000 m.

## Why does a suction holder grip onto a surface?

If we reduce the pressure inside a closed space, we transform the force of the atmospheric pressure into energy.

The best and most familiar example is the vacuum cleaner. The higher pressure around the end piece of the vacuum cleaner is responsible for its smooth functioning. It presses the dust into the vacuum cleaner.

Likewise crucial for a suction holder's gripping power is this pressure difference, i.e. the difference in pressure between the surrounding area and the hollow space under the suction pad. But the size of the suction pad is also a decisive factor.

The most important relationship is: Force (F) = Pressure (D) x Area (A)

Thus the larger the suction pad and the higher the vacuum, the stronger the gripping power.

In order to determine the size of a required suction pad for a given weight, the following formula can be used:

$$\varnothing \text{ suction pad (mm)} = 113 \times \sqrt{\frac{\text{weight kg} \times \text{safety factor}}{\text{vacuum \%} \times \text{number of suction pads}}}$$

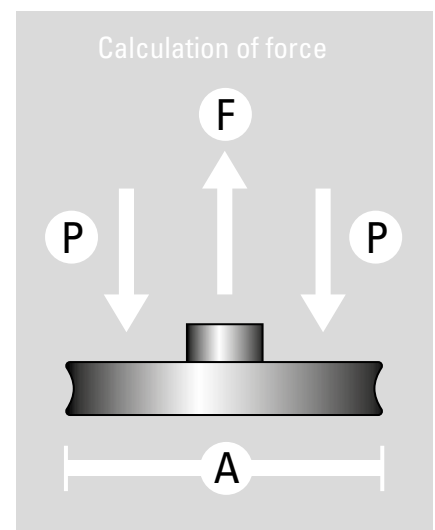
## Example

A load capacity of 60 kg is needed, safety factor 2, the suction pad achieves a vacuum of 50%. How large must the  $\varnothing$  (diameter in mm) of the suction pad be?

$$\varnothing \text{ suction pad (mm)} = 113 \times \sqrt{\frac{60 \times 2}{50 \times 1}}$$

$$\varnothing \text{ suction pad (mm)} = 175 \text{ mm}$$

In this case the suction pad must have a min.  $\varnothing$  of 175 mm.



# 01 | Handling with Vacuum Technology

<b>1.1 Pump-Activated Suction Lifters</b>	<b>19</b>
Veribor® Pump-Activated Suction Lifters	19
Wood's Powr-Grip® Pump-Activated Suction Lifters	22
<b>1.2 Lever-Activated Suction Lifters</b>	<b>25</b>
Veribor® blue line	25
Veribor® Plastic Suction Lifters	28
Veribor® Aluminium Suction Lifters	32
<b>1.3 All-Rubber Pads</b>	<b>35</b>
All-Rubber Pads	35
<b>1.4 Special Suction Lifters</b>	<b>39</b>
Special Suction Lifters	39
<b>1.5 Positioning and Fixing Devices</b>	<b>42</b>
Positioning and Fixing Devices	42
<b>1.6 Bohle Glass Bonding System</b>	<b>49</b>
Bohle Glass Bonding System	49
<b>1.7 Accessories</b>	<b>56</b>

# 02 | Handling without Vacuum Technology

<b>2.1 Mechanical Lifting Devices</b>	<b>58</b>
Mechanical Lifting Devices	58
<b>2.2 Transport Aids and Carrying Straps</b>	<b>60</b>

## 03 | Handling Devices

### 3.1 Lifting Systems 63

---

Wood's Powr-Grip® Vacuum Lifters	64
Lifting Pliers	72

### 3.2 Transport and Mounting Aids 73

---

Innovative Handling Aid	74
Accessories Liftmaster B2	78

## 04 | Protective Clothing

### 4.1 Protective Clothing 80

---

### 4.2 Protection of Structural Components 85

---

Protection of Structural Components	85
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# 01 | Handling with Vacuum Technology





# Manual Vacuum Handling

Structural components which are mainly flat, not too heavy to be handled manually and have gastight surfaces, are especially appropriate for being transported with the Bohle vacuum technology. Depending on the application, Bohle offers different product versions: pump-activated suction lifters, lever-activated suction lifters, all-rubber suction lifters, as well as positioning and fixing devices.



# The right application for any material

Due to the different raw materials used and the different shapes of the suction pads, the suction lifters have been optimised for use on different materials such as flat glass and sheet materials made of plastic, metal, marble or coated wood. Bohle offers suitable suction pads for all gastight materials.

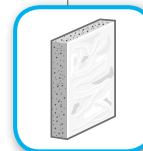
In the following the different materials are displayed by pictograms.



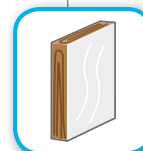
Glass



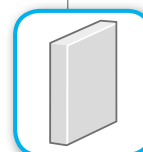
Metal



Marble / Stoneware



Coated Wood

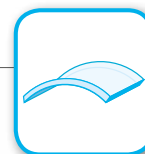


Plastic



# Curved materials

The Bohle product range also contains appropriate applications for curved, gastight materials.

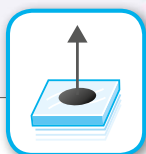


## Carrying Direction / Load Capacity

Due to the type of suction pad they are equipped with or, in some cases, due to the construction of the lifter body, some suction lifters are designed for vertical carrying, others for parallel or horizontal carrying. Please be aware of the corresponding notes throughout the catalogue.

In general, the load capacity of Veribor® manual suction lifters is indicated with a twofold safety factor.

### Vertical carrying direction



### Parallel carrying direction



# Specifications of Bohle Suction Lifters for Lifting and Carrying

Load capacity in kg	Carrying direction	Smooth airtight surface*	Curved surface*	Structured surface*	Number of suction pads	Material**	Vacuum control	TÜV Certificate***	CE sign	Art. No.	Page
120		✓	✗	✗	1		✓	✓	✓	BO 601.1BL	20
120		✓	✗	✗	1		✓	✓	✓	BO 601	20
120		✓	✗	✗	1		✓	✓	✓	BO 601BL	19
110		✓	✓	✓	1		✓	✗	✓	BO 601.45	20
100		✓	✗	✗	3		✗	✗	✓	BO 603.0BL	25
100		✓	✗	✗	3		✗	✗	✓	BO 603.0	32
90		✓	✗	✗	1		✗	✗	✓	BO 608.1	32
80		✓	> Ø 500 mm	✓	1		✓	✗	✓	BO 601.2	21
80		✓	✗	✗	1		✓	✓	✓	BO 601.8	21
79		✓	> Ø 330 mm	✗	1		✓	✗	✓	BO 6023600	22
75		✓	✓	✓	3		✗	✗	✓	BO 603.2	28
70		✓	✗	✗	2		✗	✗	✓	BO 602.0BL	26
70		✓	✗	✗	2		✗	✗	✓	BO 602.0	33
68		✓	✗	✗	1		✓	✗	✓	BO 6023535	2
68		✓	✗	✗	1		✓	✗	✓	BO 6023750	23
60		✓	✓	✗	2		✗	✗	✗	BO 602.50	39
60		✓	✗	✗	2		✓	✓	✓	BO 602.40BL	26
60		✓	✗	✗	2		✗	✗	✓	BO 602.4BL	27
60		✓	✗	✗	2		✗	✗	✓	BO 602.4/ BO 602.41	33
60		✓	✗	✗	2		✗	✗	✓	BO 602.1A	29
60		✓	✗	✓	1		✗	✗	✓	BO 608.0	41

## Material







Metal



Plastic



Aluminium/Plastic

Load capacity in kg	Carrying direction	Smooth airtight surface*	Curved surface*	Structured surface*	Number of suction pads	Material**	Vacuum control	TÜV Certificate***	CE sign	Art. No.	Page
57		✓	✗	✗	1		✓	✗	✓	BO 6023157	22
57		✓	✗	✗	1		✓	✗	✓	BO 6023405	22
57		✓	✗	✗	1		✓	✗	✓	BO 6023550	23
55		✓	✓	✗	2		✓	✗	✓	BO 602.2AV	29
50		✓	✗	✗	2		✓	✓	✓	BO 602.10BL	31
50		✓	✗	✓	2		✓	✓	✓	BO 602.44BL	26
50		✓	✗	✗	1		✓	✗	✓	BO 5312005	23
50		✓	✗	✓	2		✗	✗	✓	BO 602.02BL	26
50		✓	✗	✗	2		✗	✗	✓	BO 602.11A	29
50		✓	✗	✓	2		✗	✗	✓	BO 602.42BL	27
45		✓	✓	✗	2		✗	✗	✓	BO 602.2A/ BO 602.2	31
45		✓	✓	✗	2		✗	✗	✓	BO 602.3	32
35		✓	✓	✗	2		✗	✗	✓	BO 602.22A/ BO 602.22	31
32		✓	> Ø 305 mm	✗	1		✓	✗	✓	BO 6091380	23
30		✓	✗	✗	1		✗	✗	✓	BO 600.0BL	27
30		✓	✗	✗	1		✗	✗	✓	BO 600.0	33
30		✓	✗	✗	1		✗	✗	✓	BO 600.1	32
30		✓	✗	✗	1		✓	✗	✓	BO 6023211	23
25		✓	✗	✓	1		✗	✗	✓	BO 600.02BL	27
20		✓	✗	✗	1		✗	✗	✓	BO 600.5	33

\* Please also note the corresponding product description in the catalogue.

\*\* The images exclusively refer to the material of the product and not to the type of suction lifter.

\*\*\* These products are equipped with a GS sign (tested for safety).

The suction lifters mentioned above are suitable for all materials with flat and gastight surfaces, such as glass, marble, metal, plastic, coated wood, etc.

# Pump-Activated Suction Lifters

Equipped with one suction pad only, pump-activated suction lifters enable the manual transport of different materials with a load capacity of up to 120 kg. The vacuum is generated by engaging the pump tappet. The vacuum level can be increased at all times, also while the load is attached. Moreover, due to its position the pump tappet offers the possibility of visually monitoring the vacuum. Almost all Bohle Veribor® suction lifters have been granted the TÜV Certificate (German Technical Inspection Agency) as they all take measures against an unintended vacuum loss.



# Lever-Activated Suction Lifters

Due to their special construction, the lever-activated suction lifters are particularly suited for use in adverse ambient conditions, e.g. dust and humidity. Engaging the lever, the vacuum is generated by enlarging the hollow space between the surface of the load and the suction pad. Depending on the intended use, Bohle Veribor® lever-activated suction lifters are available with 1-3 suction pads and a load capacity of up to 100 kg.



- Wide product range
- Resistant against dust and humidity

## Lever-Activated Suction Lifters with Vacuum Indicator

What was so far only possible for pump-activated suction lifters is now also available for lever-activated suction lifters - controlling a sufficient level of vacuum! In this way the user can recognise whether the suction lifter has been attached correctly or whether the protruding rocker indicates a loss of vacuum. This innovation for lever-activated suction lifters has been patented by Bohle. Thanks to this safety function, the lever-activated suction lifters with vacuum indicator have been granted the TÜV certificate. Many of the Bohle Veribor® products are available both with and without vacuum indicator.



Optimum vacuum level, full carrying capacity



Vacuum too low



# Lever-Activated Suction Lifters

## Veribor® blue line

Suction lifters from the Veribor® blue line series: Here Bohle has combined a sturdy aluminium body with an ergonomic plastic handle. This suction lifter offers the advantage of very safe and convenient handling together with greatest stability. Award-winning design. Made in Germany. Many Veribor® blue line suction lifters are also available with vacuum gauge.



Veribor® blue line with vacuum gauge



Veribor® blue line without vacuum gauge



## Veribor® Plastic Suction Lifters

Veribor® plastic suction lifters: The high precision lifter bodies are made of impact-resistant plastic with high quality rubber pads and thus offer the greatest degree of safety. At the same time they have a low net weight but are very sturdy. Due to the wide array of different versions, you are sure to find the right device for your individual project. Some plastic suction lifters are also available with vacuum gauge.



Veribor® aluminium suction lifters with vacuum gauge



Veribor® aluminium suction lifters without vacuum gauge



## Veribor® Aluminium Suction Lifters

Aluminium suction lifters: In response to numerous customer requests, we have added this classic among suction lifters back into our portfolio. These suction lifters with their all-aluminium bodies remain for many synonymous with Veribor®: Sturdiness and long service life make them reliable helpers for almost all circumstances.





# 1.1 | Pump-Activated Suction Lifters

## Veribor® Pump-Activated Suction Lifters

Pump-activated suction lifters generate the vacuum with a manual pump. Bohle supplies all its Veribor® pump-activated suction lifters in a stable plastic case. Special features: ergonomic handle with plastic coating and extended gripping area.

### ▶ Veribor® blue line Pump-Activated Suction Lifter made of Plastic, in Carrying Case



Pump-activated suction-lifter made of plastic. The new Bohle pump-activated suction lifter is designed totally with ergonomics in mind. An entirely newly-designed handle with non-slip coating and larger gripping space offers maximum comfort. The rounded pump tappet enables quick and convenient operation and its red ring enables permanent visual monitoring of the vacuum. The suction lifter lends itself to all materials with flat, airtight surfaces. The high quality of the suction lifter has been confirmed by TÜV (German Technical Inspection Agency) by granting it the GS sign.

**i** Suction pad ø 210 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with TÜV Certificate · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 601BL	120 kg · parallel
BO 601.01	Spare suction pad
SP 6827.02K	Spare valve housing
SP 6600.01K	Spare tappet
SP 6850K	Spare handle with bracket

## ▶ Veribor® blue line Pump-Activated Suction Lifter with Pressure Gauge, in Case



Pump-activated suction lifter made of sturdy aluminium with high load capacity. The vacuum is produced by pulling the hand pump repeatedly. The vacuum can be continuously monitored via the pressure gauge. Additional pumping can be done at any time. The vacuum is sufficient only when the needle of the pressure gauge is within the green range. Very high safety due to permanent visual monitoring of the vacuum. Suitable for all materials with flat, airtight surfaces. Special feature: TÜV (German Technical Inspection Agency) approved and certified with the GS sign.

❗ Suction pad 210 mm Ø · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with TÜV Certificate · with CE sign

Art. No.	Load capacity · Lifting direction
BO 601.1BL	120 kg · parallel

## ▶ Veribor® Pump-Activated Suction Lifter, Made of Aluminium, in Carrying Case



Pump-activated suction lifter made of sturdy aluminium with high load capacity for handling large objects. Handle with non-slip coating. The rounded pump tappet enables quick and easy operation and the red ring on the pump tappet enables permanent visual monitoring of the vacuum. The suction lifter lends itself to all materials with flat, airtight surfaces. The high quality of the suction lifter has been confirmed by TÜV (German Technical Inspection Agency) by granting it the GS sign.

❗ Suction pad ø 210 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with TÜV Certificate · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 601	120 kg · parallel
BO 601.01	Spare suction pad
SP 6836.01	Spare handle with bracket
SP 6600.01	Spare tappet
SP 6827.02K	Spare valve housing

## ▶ Veribor® Pump-Activated Suction Lifter, Made of Aluminium, in Carrying Case



Pump-activated suction lifter made of sturdy aluminium for high loads. Handle with non-slip coating. The rounded pump tappet allows quicker and more convenient operation. The red ring on the pump tappet enables the permanent visual monitoring of the vacuum. The suction lifter is suitable for all materials with flat and airtight as well as slightly textured surfaces.

❗ Suction pad ø 210 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 601.45	110 kg · parallel
BO 601.04	Spare suction pad for BO 601.45
SP 6836.01	Spare handle with bracket
SP 6600.01	Spare tappet
SP 6827.02K	Spare valve housing





## Veribor® Pump-Activated Suction Lifter, Made of Aluminium, in Carrying Case



Pump-activated suction lifter made of aluminium with special suction pad (220 mm) for curved or strongly textured surfaces · Due to its strongly curved rubber pad, this suction lifter must first be pressed firmly onto the respective surface, only then is the air between the surface and the rubber pad removed with the aid of the priming pump. The red ring on the pump tappet enables the permanent visual monitoring of the vacuum.



**i** Suction pad  $\varnothing$  220 mm · Number of suction pads 1 · Lifting radius 500 mm min. · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 601.2	80 kg · parallel
SP 6825.05	Spare suction pad
SP 6836.01	Spare handle with bracket
SP 6600.01	Spare tappet
SP 6827.02K	Spare valve housing



## Veribor® Pump-Activated Suction Lifter, Made of Aluminium, in Carrying Case



Pump-activated suction lifter made of aluminium with a special, narrow rubber pad (80 x 380 mm). This narrow rubber pad enables the suction lifter to also carry slender objects with flat, airtight surfaces. The vacuum can be permanently monitored via the pressure gauge. Additional pumping is possible at all times. If the vacuum level is sufficient, the pressure gauge indicator is within the green area. Very high safety due to the visual control of the vacuum. This suction lifter is suitable for all materials with flat and airtight surfaces. Special feature: TÜV certified and GS sign granted.



**i** Suction pad 80 x 380 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with TÜV Certificate · with CE sign

Art. No.	Load capacity · Lifting direction
BO 601.8	80 kg · vertical

# Wood's Powr-Grip® Pump-Activated Suction Lifters

Bohle AG, one of the largest authorised dealers for Wood's Powr-Grip® products in Europe, has added numerous pump-activated suction lifters to their product portfolio. All indications of load capacity have a safety factor of 3:1 according to the manufacturer.



## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifter, Made of Plastic, N5000



One of the new Powr-Grip® pump-activated suction lifters from the high quality N series. The suction lifter has a greater carrying capacity (68 kg) thanks to its larger rubber pad. The red ring on the pump tappet warns the user in case of a significant loss of vacuum.

❶ Suction pad ø 230 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023535	68 kg · parallel

## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifter, Made of Plastic, N4000



The Powr-Grip® pump-activated suction lifter with lightweight ABS handle is suitable for handling flat and airtight objects. The red ring on the pump tappet enables permanent visual monitoring of the vacuum.

❶ Suction pad ø 200 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023157	57 kg · parallel

## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifter, Made of Plastic, N4000LM



One of the new Powr-Grip® pump-activated suction lifters from the high quality N series. The lipped suction pad becomes attached quickly and easily to non-porous, flat surfaces. The special rubber blend of the suction pad prevents discolouring and stains on the surface. The red ring on the pump tappet warns the user in case of significant loss of vacuum.

❶ Suction pad ø 200 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023405	57 kg · parallel

## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifter, Metal N6450



The Powr-Grip® pump-activated suction lifter with sturdy metal handle ensures a safe grip and lends itself for handling curved and airtight surfaces. The large curved rubber pad (250 mm Ø) makes this suction lifter especially suitable for curved glass panes. The red ring on the pump tappet enables permanent visual monitoring of the vacuum.

❶ Suction pad ø 250 mm · Number of suction pads 1 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023600	79 kg · parallel

## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifter, Metal N5450



Powr-Grip® suction lifter for airtight materials. The lifter excels due to its greater carrying capacity (68 kg) compared to N4950 and a larger rubber pad (230 mm Ø). The flexible sealing lip is also suitable for handling curved surfaces. The red ring on the pump tappet warns the user in case of a significant loss of vacuum.

❗ Suction pad Ø 230 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023750	68 kg · parallel

## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifter, Metal N4950



The flat Powr Grip® pump-activated suction lifter with a sturdy metal handle ensuring a safe grip is suitable for transporting objects with flat and airtight surfaces. The red marking ring on the priming pump enables permanent monitoring of the vacuum.

❗ Suction pad Ø 200 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023550	57 kg · parallel

## ▶ Wood's Powr-Grip® Suction Lifter with Manual Pump



Suction lifter with sturdy metal handle · suitable for materials such as glass, plastic, metal, etc. · small curved suction pad, can also be used on surfaces with small radii · visual monitoring of the vacuum at the pump tappet

❗ Suction pad Ø 150 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 5312005	50 kg · parallel

## ▶ Wood's Powr-Grip® Pump-Activated Suction Lifters Metal LJ6VH



Metal suction lifter for handling materials such as plastic, coated wood and glass. Special feature: Thanks to the curved rubber pad also suitable for curved surfaces up to a minimum radius of 305 mm.

❗ Suction pad Ø 152 mm · Number of suction pads 1 · suitable for curved materials · suitable for Glass · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6091380	32 kg · vertical



## ▶ Wood's Powr-Grip® Suction Lifter with Manual Pump



❗ Suction pad 150 x 75 mm · Number of suction pads 1 · Shape oval · suitable for Glass · with vacuum gauge · with CE sign

Art. No.	Load capacity · Lifting direction
BO 6023211	30 kg · vertical



## Pump Tappet WBP 90524AM



In general, all pump-activated suction lifters are equipped with a visual vacuum indicator at the pump tappet, i.e. additional pumping is required as soon as the red warning ring becomes visible, and visual control of the vacuum is ensured. This pump tappet has an acoustic vacuum indicator which issues a loud acoustic signal as soon as the vacuum diminishes.

**i** Noise level 70 dBa · battery AAA · On/off function automatic

Art. No.	Description
BO 6023524	Pump Tappet WBP 90524AM

# 1.2 | Lever-Activated Suction Lifters

Our range of lever-activated suction lifters offers suitable products for almost any handling application. When engaging the lever, the vacuum is created through an enlargement of the hollow space between the surface of the object to be transported and the rubber pad of the suction lifter.

## Veribor® blue line

Suction lifter from the Veribor® blue line series: Here Bohle has combined a sturdy aluminium body with an ergonomic plastic handle. This suction lifter offers the advantage of very safe and convenient handling together with greatest stability. Award-winning design. Made in Germany. Many Veribor® blue line suction lifters are also available with vacuum gauge.

### ▶ Veribor® blue line 3-Cup Suction Lifter, Aluminium



Universal suction lifter from the Veribor® series for carrying and lifting different loads. The blue line series stands out due to its combination of modern, high-performance materials and the high stability of aluminium together with an ergonomic, user-friendly plastic handle. Suitable for all materials with flat, airtight surfaces. The suction lifter must be pressed firmly, with the rubber pad relaxed, onto the respective surface. When you activate the lever, you will clearly notice the resistance caused by generating the vacuum.

❗ Suction pad ø 120 mm · Number of suction pads 3 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · CE-Zeichen Zeichen



Art. No.	Load capacity · Lifting direction · Description
BO 603.0BL	100 kg · parallel
BO 614.0BL	Spare suction pad for BO 603.0BL / BO 602.0BL / BO 602.4BL

## ▶ Veribor® blue line 2-Cup Suction Lifter, Aluminium, Transverse Handle



Suction lifter with lever and transverse handle for carrying and lifting different loads. The blue line series stands out due to its combination of modern, high-performance materials and the high stability of aluminium together with an ergonomic, user-friendly plastic handle. Suitable for all materials with flat and airtight surfaces. Optionally also available with an additional sealing lip for slightly curved or textured surfaces (BO 602.02BL). In addition, also optional spare rubber pads are available, supplied together with lever, spring, bolt and washer.



**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · CE-Zeichen Zeichen

Art. No.	Load capacity · Lifting direction · Description
BO 602.0BL	70 kg · parallel
BO 602.02BL	50 kg · vertical · rubber pad with additional sealing lip
BO 614.0BL	Spare suction pad for BO 603.0BL / BO 602.0BL / BO 602.4BL
BO 614.02BL	Spare suction pad for BO 602.02BL / BO 602.42BL

## ▶ Veribor® blue line 2-Cup Suction Lifter, Aluminium, with Vacuum Indicator



This well-known Veribor® aluminium suction lifter from the blue line series is available with vacuum indicator as an additional option. For the first time, the permanent visual monitoring of the vacuum, as with the pump-activated suction lifters, is now possible. Lever activated suction lifter equipped with a visual vacuum indicator according to GS test criteria (patent no. EP2302235), confirmed by the TÜV (German Technical Inspection Agency) by granting the GS sign. This suction lifter can also be equipped with an additional sealing lip for slightly curved or textured surfaces (see BO 602.44BL).

**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with vacuum gauge · with TÜV Certificate · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 602.40BL	60 kg · parallel
BO 602.44BL	45 kg · vertical · rubber pad with additional sealing lip
BO 614.40BL	Spare suction pad for BO 602.40BL



## Veribor® blue line 2-Cup Suction Lifter, Aluminium, Handle Lengthwise



Suction lifter with lever and lengthwise handle for carrying and lifting different loads. The blue line series stands out due to its combination of modern, high-performance materials and the high stability of aluminium together with an ergonomic, user-friendly plastic handle. Suitable for all materials with flat and airtight surfaces. Also available with an additional, optional sealing lip for slightly curved or textured surfaces (BO 602.42BL). In addition, spare rubber pads are also available if required, supplied together with lever, spring, bolt and washer.

**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 602.4BL	60 kg · parallel
BO 602.42BL	50 kg · vertical · rubber pad with additional sealing lip
BO 614.0BL	Spare suction pad for BO 603.0BL / BO 602.0BL / BO 602.4BL
BO 614.02BL	Spare suction pad for BO 602.02BL / BO 602.42BL



## Veribor® blue line 1-Cup Suction Lifter, Aluminium



Suction lifter with folding lever for lifting different loads. This 1-cup suction lifter with bow handle enables one-handed operation and thus quick, efficient work. The suction lifter can be equipped with an additional, optional sealing lip which lends itself to slightly curved or textured surfaces. In addition, spare rubber pads are also available if required, supplied together with lever, spring, bolt and washer.

**i** Suction pad ø 120 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 600.0BL	30 kg · vertical
BO 600.02BL	25 kg · vertical · rubber pad with additional sealing lip
BO 610.0BL	Spare suction pad for BO 600.0BL
BO 610.02BL	Spare suction pad for BO 600.02BL





## Veribor® blue line Suction Lifter Set



These practical carrying cases are ideal for protecting and storing your Veribor® blue line lever-activated suction lifters safely. The cases have been designed to accommodate the specific suction lifters and thus protect them against damage. The carrying cases always include 2 of the desired Veribor® lever-activated suction lifters.

Art. No.	Contents
BO S3.0BL	BO 603.0 BL, 2 items
BO S2.0BL	BO 602.0 BL, 2 items
BO S2.4BL	BO 602.4 BL, 2 items
BO S0.0BL	BO 600.0 BL, 2 items

## Veribor® Plastic Suction Lifters

Veribor® plastic suction lifters: The high precision lifter bodies are made of impact-resistant plastic with high quality rubber pads and thus offer the greatest degree of safety. At the same time they have a low net weight but are very sturdy. Due to the wide array of different versions, you are sure to find the right device for your individual project. Some plastic suction lifters are also available with vacuum gauge.



## Veribor® Suction Lifter, 3-Cup, Plastic Swivel Heads



Suitable for all materials with airtight surfaces · especially suitable for the transport of large curved surfaces such as windscreens for buses or lorries

**i** Suction pad ø 150 mm · Number of suction pads 3 · Lifting radius 750 mm min. · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Marble / Stoneware · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 603.2	75 kg · parallel
SP 6020.09	Spare suction head · elongated hole





## Veribor® Suction Lifter, 2-Cup, Plastic



The well-known and proven Veribor® plastic suction lifter has been completely redesigned and now offers improved carrying comfort due to an extended gripping area. In addition, the suction lifter is equipped with a newly designed rubber pad which does not roll up during transport. This suction lifter is suitable for all materials with flat, airtight surfaces. It is also available with stainless steel components as an option (BO 602.11A) · The new handle, coated with slip resistant rubber, prevents the hand from slipping while working with the suction lifter.



**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 602.1A	60 kg · parallel
BO 602.11A	50 kg · parallel · stainless
BO 614.0A	Spare rubber pad · new version



## Veribor® Suction Lifter, 2 Plastic Swivel Heads with Vacuum Indicator



This Veribor® suction lifter with plastic joints is also available with vacuum indicator as an additional option. For the first time, the permanent visual monitoring of the vacuum, as with the pump-activated suction lifters, is now possible. This lever-activated suction lifter is equipped with a visual vacuum indicator according to GS test criteria (patent no. EP2302235). In addition, a completely newly designed rubber pad offers an extended fixing duration, which is an advantage especially when it comes to handling automotive glass.

**i** Suction pad ø 120 mm · Number of suction pads 2 · with vacuum gauge · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · with CE sign



Art. No.	Load capacity · Lifting direction
BO 602.2AV	55 kg · parallel



## ▶ Veribor® blue line 2-Cup Suction Lifter, Plastic, with Vacuum Indicator



The new Veribor® plastic suction lifter offers superb carrying comfort with its significantly larger gripping area. As for the pump-activated suction lifters, this device now offers continuous visual monitoring of the vacuum. This lever-activated suction lifter is equipped with a visual vacuum indicator according to GS test criteria (patent no. EP2302235) which has been confirmed by TÜV (German Technical Inspection Agency) by granting the GS sign. In addition, a totally newly designed rubber disc offers an extended holding performance. This rubber pad also enables short-term handling of sandblasted glass.

**i** Suction pad ø 120 mm · Number of suction pads 2 · with vacuum gauge · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with TÜV Certificate · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 602.10BL	50 kg · parallel
BO 614.10BL	Spare suction pad for BO 602.10BL

## ▶ Veribor® Suction Lifter, 2 Plastic Swivel Heads



This suction lifter is indispensable for lifting and handling curved surfaces. Thanks to its swivel suction heads, the lifter ideally lends itself to windscreens, for example. If a greater flexibility of the swivel heads is required, we recommend BO 602.22 with double swivel head.

**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 602.2A	50 kg · parallel · new version
BO 602.22A	35 kg · parallel · double swivel heads
BO 602.2	45 kg · parallel · previous version
BO 602.22	30 kg · parallel · double swivel heads
BO 614.0	Spare suction pad
BO 614.0A	Spare rubber pad · new version

## ▶ Veribor® Suction Lifter with 2 Plastic Swivel Heads and Large Rubber Pad



This Veribor® suction lifter is ideally suited for handling curved surfaces. Thanks to the elongated holes in the swivel heads and the larger rubber pads (Ø 150 mm), strongly curved surfaces can be transported safely.

❗ Suction pad Ø 150 mm · Number of suction pads 2 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · with CE sign

Art. No.	Load capacity · Lifting direction
BO 602.3	45 kg · parallel

## ▶ Veribor® 1-Cup Suction Lifter Plastic



Makes working with unwieldy parts quicker and more effective · suitable for all materials with airtight and curved surfaces such as glass, plastic, metal, coated wood or marble · suitable for use at outdoor work sites or nautical areas · BO 600.11 made with stainless steel components

❗ Suction pad Ø 120 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 600.1	30 kg · vertical
BO 600.11	30 kg · made with stainless steel components
BO 610.0	Suction pad for BO 600.0 / BO 600.1

# Veribor® Aluminium Suction Lifters

Aluminium suction lifter: In response to numerous customer requests, we have added this classic among suction lifters back into our portfolio. This suction lifter with its all-aluminium body remains for many synonymous with Veribor®: Sturdiness and long service life make this suction lifter a reliable helper for almost all circumstances.

## ▶ Veribor® 3-Cup Suction Lifter Aluminium



Sturdy aluminium suction lifter with 3 pads for lifting and carrying different loads. Suitable for all materials with flat and airtight surfaces. The suction lifter must be pressed firmly, with its suction pad relaxed, onto the corresponding surface. When you activate the lever, you will clearly notice the resistance caused by generating the vacuum.

❗ Suction pad Ø 120 mm · Number of suction pads 3 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 603.0	100 kg · parallel
BO 614.0	Spare suction pad

## ▶ Veribor® Suction Lifter with Lateral Handle



This 1-cup suction lifter made of diecast aluminium with a large 180 mm Ø rubber pad allows carrying loads of up to 90 kg and is therefore ideally suited for carrying large and heavy loads, e.g. ground stone or metal plates.

❗ Suction pad Ø 180 mm · Number of suction pads 1 · suitable for Metal · suitable for Marble / Stoneware · with CE sign



Art. No.	Load capacity · Lifting direction · Description
BO 608.1	90 kg · parallel
BO 615.1	Spare suction pad for BO 608.1

## ▶ Veribor® 2-Cup Suction Lifter Aluminium



Sturdy 2-cup lever-activated suction lifter for lifting and carrying different loads. Suitable for all materials with flat and airtight surfaces. Optional spare rubber pads are also available, supplied together with lever, spring, bolt and washer.



❗ Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 602.0	70 kg · parallel
BO 614.0	Spare suction pad

## ▶ Veribor® 2-Cup Suction Lifter Aluminium



Sturdy 2-cup lever-activated suction lifter for lifting and carrying different loads. Suitable for all materials with flat and airtight surfaces. Optional spare rubber pads are also available, supplied together with lever, spring, bolt and washer.



❗ Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 602.4	60 kg · parallel
BO 614.0	Spare suction pad

## ▶ Veribor® 2-Cup Suction Lifter, Aluminium for one-handed operation



Makes working with unwieldy parts quicker and more effective · suitable for all materials with airtight surfaces like glass, plastic, metal, coated wood and marble · lever handle allows one-handed operation

❗ Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction
BO 602.41	60 kg · parallel

## ▶ Veribor® 1-Cup Suction Lifter, Aluminium for one-hand operation



This 1-cup suction lifter made of diecast aluminium enables efficient working. The vacuum is generated by engaging the bow handle.

❗ Suction pad ø 120 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 600.0	30 kg · vertical
BO 610.0	Suction pad for BO 600.0 / BO 600.1

## ▶ Veribor® 1-Cup Suction Lifter, Aluminium



Makes working with unwieldy parts quicker and more effective · grip lever allows one-handed operation · small diameter of the suction pad allows handling of small parts

❗ Suction pad ø 90 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction
BO 600.5	20 kg · vertical



## Veribor® Suction Lifter



This 1-cup suction lifter made of diecast aluminium enables lifting lightweight airtight materials up to 15 kg vertically in one simple step. This suction lifter ideally lends itself to laying tiles – for quick and effective handling of unwieldy parts.

**i** Suction pad ø 120 mm · Number of suction pads 1 · suitable for Glass · suitable for Metal

Art. No.	Load capacity · Lifting direction
BO 600.30	15 kg · vertical

# 1.3 | All-Rubber Pads

## All-Rubber Pads

These suction pads generate the vacuum exclusively through the reset force of the rubber. All-rubber suction pads are a popular device for opening covers in bathrooms or sanitary facilities, for example. The suction pads are also used in the sports sector. As all-rubber suction pads are especially vacuum tight on absolutely airtight surfaces such as flat glass due to their construction, they are very well suited for fixing loads.

### ▶ All-Rubber Dome-Shaped Suction Lifter with Grip Stick



For diverse loads · makes working with unwieldy parts quicker and more effective · also suitable for strongly curved surfaces

**i** Suction pad ø 155 mm · Number of suction pads 1 · suitable for curved materials · suitable for Glass · suitable for Plastic

Art. No.	Load capacity · Lifting direction
BO 5312000	45 kg · vertical

### ▶ Veribor® 4-Cup Suction Lifter with Handle



For diverse loads · vacuum makes working with unwieldy parts quicker and more effective · ideal for handling smaller objects or for removing coverings · continuous rubber lip allows easy release

**i** Suction pad ø 55 mm · Number of suction pads 4 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 609.6	30 kg · vertical

### ▶ Suction Lifter, All-Rubber with Two Finger Holes



Suitable for lifting and opening different objects, e.g. for opening cable ducts. The vacuum is generated by simply pressing the suction pad onto the centre of the surface to be lifted. The lifter can be loosened from the surface by slightly lifting the release nipples laterally.

**i** Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Suction pad · Load capacity · Lifting direction
BO 609.81	ø 115 mm · 25 kg · vertical
BO 609.80	ø 80 mm · 10 kg · vertical



## ▶ Veribor® Suction Lifter with Knob Grip, All-Rubber



The Veribor® all-rubber suction lifter ideally lends itself to lifting and carrying different loads. It is suitable for holding smaller objects or for opening the covers of cable ducts. The vacuum is generated by simply pressing the suction pad onto the respective surface, which enables quick and efficient working. The lifter can be loosened from the surface by slightly lifting the release ridge.

❶ Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware



Art. No.	Suction pad · Load capacity · Lifting direction
BO 609.0	ø 80 mm · 15 kg · vertical
BO 609.55	ø 50 mm · 5 kg · vertical

## ▶ Veribor® Suction Holder with Ring



For quickly affixing diverse objects · suitable for all materials such as glass, plastic, metal, coated wood and marble · continuous rubber lip allows easy release

❶ Suction pad ø 80 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 609.1	15 kg · vertical

## ▶ Veribor® Suction Lifter, All-Rubber, with T-Handle



Suction lifter for diverse loads, e.g. for opening cable channel coverings, etc. · for quick and efficient handling of unwieldy parts · the sealing lip allows the suction lifter to be released from the substrate without difficulty

❶ Suction pad ø 80 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 609.2	15 kg · vertical

## ▶ Suction Lifter, All-rubber, with Finger Hole



Suitable for lifting and carrying different small objects, e.g. for opening cable ducts. The vacuum is generated by simply pressing the suction pad onto the centre of the surface to be lifted. The lifter can be loosened from the surface by slightly lifting the release nipples laterally.

❶ Diameter 55 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 609.50	5 kg · vertical

## ▶ All-Rubber Suction Lifter with Finger Hole



Quick and efficient handling of unwieldy objects · ideal for handling smaller objects due to its smaller diameter

❶ Suction pad ø 30 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 609.30	2 kg · vertical







## All-rubber Suction Lifter "Pick Up"



Small all-rubber suction lifter for positioning glass bevels or other small parts · suitable for all materials with flat and airtight surfaces

**i** Suction pad ø 18 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Lifting direction
BO 609.9	vertical

# 1.4 | Special Suction Lifters

## Special Suction Lifters

Bohle offers a variety of different suction lifters or carpet grippers for the most diverse applications, e.g. for installing double floors. In addition, we also offer suction lifters which can be used as an auxiliary device for transport, e.g. for protecting the edges of structural components.

### ▶ Dome-Shaped Suction Lifter with Grip Handle, for Diverse Loads



Makes working with unwieldy parts quicker and more effective · also suitable for strongly curved surfaces

**i** Suction pad ø 250 mm · Number of suction pads 1 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 5312030	90 kg · vertical

### ▶ Suction Lifter with 2 Suction Pads



The bell-shaped suction lifters are particularly suitable for handling curved surfaces (e.g. car windows). The vacuum is generated by firmly pressing the suction lifter onto the respective glass pane in order to evacuate the air between surface and rubber pad. The position of the valve lever enables quick and efficient working.

**i** Suction pad 130 mm Ø · Number of suction pads 2 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal



Art. No.	Load capacity · Lifting direction · Description
BO 602.50	60 kg · vertical
BO 602.51	Spare suction pad
BO 602.52	Bow with valve body for BO 602.50
BO 602.53	Valve body



## ▶ Veribor® Suction Lifter, with T-handle



This suction lifter can lift almost any sheet material, no matter how textured its surface is. Due to its large, soft rubber pad, this Veribor® suction lifter ideally adapts itself to stone plates, chequer plates and structured floors. · Press the suction lifter with the T-handle firmly onto the surface and engage the large lever. As soon as you notice the resistance caused by generating the vacuum, the rubber pad adapts itself to the surface.

**i** Suction pad with Sealing Lip ø 180 mm · Number of suction pads 1 · suitable for Plastic · suitable for Coated wood · suitable for Marble / Stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 608.0	60 kg · vertical
BO 615.0	Spare suction pad for BO 608.0

## ▶ Suction Lifter with 1 Suction Pad



The bell-shaped suction lifters are suitable for use on curved surfaces · valve lever for loosening the suction lifter allows one-hand operation and thus quick and effective working

**i** Suction pad ø 130 mm · Number of suction pads 1 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal

Art. No.	Load capacity · Lifting direction · Description
BO 5312010	30 kg · vertical
BO 602.51	Spare suction pad
BO 602.53	Valve body

## ▶ Suction Lifter with Leverage Handle



For working quickly and efficiently · suitable for all materials with flat and airtight surfaces · the valve on the handle for releasing the suction lifter allows one-handed operation also in hazardous areas

**i** Suction pad ø 82 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Load capacity · Lifting direction
BO 5312020	10 kg · vertical

## ▶ PVC Suction Cup



With connecting tube · 330 mm long

**i** Suction pad ø 62 mm · Number of suction pads 2



Art. No.	Load capacity · Lifting direction
BO 6200.05	5 kg · vertical

## ▶ Wood's Powr-Grip® Suction Positioning Device PU0950



Handy suction lifter with exchangeable pads · suitable for all materials with flat and airtight surfaces

**i** Suction pad adaptor ø 20, 26, 32 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description · Lifting direction
BO 5312050	Wood's Powr-Grip® Suction Positioning Device PU0950 · vertical

## 1.5 | Positioning and Fixing Devices

Apart from handling objects, the vacuum technology is particularly suitable for fixing auxiliary positioning and fixing devices on surfaces. Bohle offers a great variety of products based on vacuum technology. Within the portfolio of positioning and fixing devices, Bohle mainly focuses on lever-activated suction lifters as, due to their construction, they are particularly vacuum tight on absolutely airtight surfaces such as flat glass and are thus able to absorb very high levels of force over longer periods of time. Depending on the characteristics of the surface and the required fixing duration, the suction lifters can be combined with different rubber pads from the Bohle modular system.



## ▶ Veribor® Suction Holder, Made of Aluminium



This universal Veribor® suction holder is suitable for the many diverse applications. Whether for fixing mounting aids and templates or fixing cameras to vehicles, there are no limits to the user's demands. The special, softer rubber pad enables a longer fixing duration. If this soft rubber pad does not meet your demands, do not hesitate to contact us. Our range of products contains other rubber pads which can be used together with this suction lifter. Suitable for all materials with flat and airtight surfaces.



**i** Number of suction pads 1 · Suction pad ø 120 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Connecting bore hole · Description
BO 600.20	6.5 mm Ø
BO 600.20R	6.5 mm Ø · stainless
BO 600.20S	6.5 mm Ø · with sealing lip for materials with textured surfaces
BO 600.20V	6.5 mm Ø · with integrated vacuum gauge
BO 600.2G1	M10 thread x 1
BO 600.2G2	M8 thread

## ▶ Veribor® Suction Holder with Ball Joint for Fixing Finished Products



Universal suction holder for measuring devices, displays, etc. · with 2 locking screws · suitable for all materials with flat and airtight surfaces

**i** Suction pad ø 120 mm · Number of suction pads 1 · Inner thread M6 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 600.24	Veribor® Suction Holder with Ball Joint for Fixing Finished Products

## ▶ Veribor® Suction Holder



Universal suction holder for measuring devices, displays, etc. · especially suitable for fastening floodlights or satellite dishes in the automotive sector

**i** Suction pad ø 120 mm · Inner thread M6 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 600.26	Veribor® Suction Holder

## ▶ Veribor® Suction Holder, with Plastic Stopper



For all materials with flat and airtight surfaces · especially suitable for setting steps

**i** Suction pad ø 120 mm · Number of suction pads 1 · Height 70 mm · Stopper 40 mm Ø · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 600.21	Veribor® Suction Holder, with Plastic Stopper





## Verifix® Eccentric Suction Stopper



VERIFIX



An eccentric stopper roller is attached to the suction holder, a turning handle enables exact positioning and adjustment · suitable for all smooth materials like glass, plastic, metal, coated wood and marble

**i** Suction pad ø 120 mm · Adjustment range 8 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware



Art. No.	Description
BO 637.0	Verifix® Eccentric Suction Stopper
SP B0605	Trigger Pin
SP B0610	Pressure Spring
SP 6160	Washer for Lever-activated Suction Lifter
BO 614.03	Spare suction pad



## Veribor® Suction Holder for Positioning



Universal suction holder for positioning and attaching mounting aids, templates and baseboards

**i** Suction pad 120 mm Ø · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 600.23	with jig
BO 600.22	rod



## Multi-purpose Holder with Socket Joint and Veribor® Suction Holder



Suction holder for fixing and working on small parts · suitable for all materials with flat and airtight surfaces · also suitable as holder for snowboards or skis

**i** Suction pad ø 120 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware



Art. No.	Description
BO 600.28	Multi-purpose Holder with Socket Joint and Veribor® Suction Holder

## ▶ Seaming Tool for Clamping and Repositioning



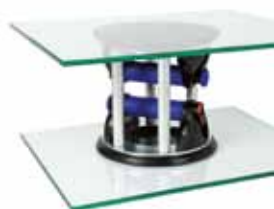
The ideal tool for pulling together or spreading apart large, flat, smooth sheets of material exactly to the millimetre. Especially suitable when bonding countertops. Suitable for all materials with flat, airtight surfaces like glass, plastic, metal, coated wood, marble, etc. The vacuum is generated by engaging the levers. With the rubber pad relaxed, the suction holders must be firmly pressed onto the work surface. When engaging the lever, you should noticeably feel the resistance produced by the vacuum. By turning the threaded handle the material can be drawn together or spread apart. If necessary, any height differences between the work pieces can be adjusted with the lateral eccentric lever. Also available as set in a carrying case: BO 650.32

**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 650.30	Seaming Tool for Clamping and Repositioning
BO 650.32	Seaming tool set with 2 x BO 650.30 in carrying case



## ▶ Suction Workstation



Easy-to-use fixing aid / holding device · ideal for: glass bonding, mounting and processing of sheets made of glass, stone, marble, granite, coated wood, plastic, etc. · compact design · for use on site or in the workshop · strong holding capacity

**i** Suction pad ø 210 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 650.40	Suction Workstation

## ▶ Veribor® Suction Lifter with Central Joint



Universal suction lifter for fixing mitres in showcase or aquarium construction

**i** Suction pad ø 120 mm · Number of suction pads 2 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 602.25	Veribor® Suction Lifter with Central Joint

## ▶ Veribor® Suction Head



Suction lifter for fixing end products, e.g. measuring devices, displays · for materials with flat and airtight surfaces

**i** suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Bore hole · Suction pad · Description
BO 6020.01	2 x 5 mm · 120 mm Ø
SP 6020.02	elongated hole · 120 mm Ø
SP 6020.09	Spare suction head · elongated hole



## Suction Holder with Manual Pump



This suction holder is ideal for mounting end products. Diverse components can be attached to the threaded pin (1/4") in order to carry out measurements, e.g. cameras. The red ring at the pump tappet guarantees highest safety through visual monitoring of the vacuum. An adaptor from 1/4" thread to M6 (BO 6024) or from 1/4" thread to M8 (BO 6023) can be ordered separately if required.

**i** Suction pad ø 120 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 5312090	Suction Holder with Manual Pump



## Pump-Activated Suction Holder with Ball Joint



With 1/4" thread · its great versatility makes this suction holder ideal for installing cameras in automobiles · visual monitoring of vacuum · adapter for 1/4" to M6 or 1/4" to M8 can be supplied on request (see BO 6023/ 6024)

**i** Suction pad ø 114 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 5312015	Pump-Activated Suction Holder with Ball Joint



## Veribor® Suction Holder, Made of Aluminium



For attaching mounting aids and templates · suitable for all materials with flat, airtight surfaces

**i** Suction pad ø 90 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware



Art. No.	Bore hole · Description · Version
BO 600.90	6.6 mm with countersink
BO 600.91	6.6 mm with countersink
BO 600.92	with M8 thread
BO 600.921	with M8 thread · suction pad with sealing lip
BO 600.94	with ball joint



## Rubber Suction Pad



M10 thread with bore hole · due to the continuous bore hole this suction pad is suitable for machines with continuous air flow

**i** Suction pad ø 82 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 6200.01	Rubber Suction Pad

## Suction Holder with Manual Pump



This suction holder is ideal for mounting end products. Diverse components can be attached to the threaded pin (1/4") in order to carry out measurements, e.g. cameras. The red ring at the pump tappet guarantees highest safety through visual monitoring of the vacuum. An adaptor from 1/4" thread to M6 (BO 6024) or from 1/4" thread to M8 (BO 6023) can be ordered separately if required.

**i** Suction pad ø 75 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 5312025	Suction Holder with Manual Pump

## Suction Wall Hanger



For fixing objects such as displays, advertisements, etc. · other colours available for orders of 500 or more · vacuum is produced by turning the peg

**i** Suction pad ø 62 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Colour
BO 672.10	black
BO 672.0	ivory

## Verifix® Suction Unit



Universal suction holder for quickly fixing all kinds of objects such as measuring devices, displays, etc. · suitable for all materials with flat and airtight surfaces · also suitable for constructing special holding devices

**i** Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware



Art. No.	Diameter · Bore hole · Description
BO 633.11	55 mm · 2 x M5
BO 633.13	55 mm · 2 x M5 · rubber pad with release nubs
BO 650.11	36.5 mm · 2 x 3.2 mm Ø · rubber pad with release nubs

### Please note:

BO 633.13 and BO 650.11 with release nubs for easy removal, shorter holding durations

## Straight Edge Holder Silberschnitt®



Straight edges can be fixed using the straight edge holders stop bracket, thus making them suitable for carrying out long cuts. The stop bracket can also be adjusted precisely to the nearest millimetre. This suction holder is especially suited to fixing displays or other holding and fixing products. The suction holder can be optionally equipped with a height adjustable stopper (BO 670.1).

**i** Suction pad ø 55 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description · Version
BO 670.0	Straight Edge Holder · standard
BO 670.1	Straight Edge Holder · adjustable
BO 519.5	Spare Suction Pad



## Veribor® Suction Pads with Internal Threads



Universal suction holder for quickly fixing objects · The vacuum is generated by simply pressing the suction holder onto the corresponding surface

**i** suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Suction pad · Thread connection
BO 6221.01	ø 80 mm · M8
BO 6221.02	ø 80 mm · M6
BO 6221.03	ø 80 mm · M4
BO 6221.04	ø 80 mm · M10
BO 6223.01	ø 55 mm · M6
BO 6224.01	ø 55 mm · M4



## PVC Suction Cup



With M4 thread · 6 mm long

**i** Suction pad ø 37 mm · Number of suction pads 1 · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 6200.02	PVC Suction Cup

# 1.6 | Bohle Glass Bonding System

## Bohle Glass Bonding System

Holding parts at awkward angles is especially problematic. In many cases it is necessary to build corresponding holding templates. Now, the Verifix® angle suction holders from Bohle enable quick and infinitely adjustable fixing.







## Angle Suction Holder Verifix® Pro 90°

The Verifix® Pro angle suction holder is a high quality product topping the list of positioning and fixing devices for glass bonding. Especially in the case of UV bonds, as is common in glass furniture or showcase construction, Verifix® Pro offers superior protection against vibration and slipping - both for corner and T-joints. · Exact adjustment of the bonding gap (= thickness of adhesive layer) · extremely sturdy

**i** Height 176 mm · Depth 160 mm · Suction pad 110 mm Ø

VERIFIX



Art. No.	Description
BO 639.0	Verifix® Pro Angle Suction Holder 90°
BO 639.1	Set with 2 x BO 639.0







## Angle Suction Holder Verifix® Pro 45°



The Verifix® Pro 45° angle suction holder from the Verifix® product range excels due to its high precision and easy handling, and offers superior protection against vibration and slipping when doing repetitive UV bonding work. The specific positioning arm is a unique feature of this device. It facilitates quick and precise positioning of the angle suction holder on any 45° mitre edge, independently from glass thickness. At last, glass panes with 45° mitre edges can be positioned quickly and precisely towards each other with the Verifix® mitre stop BO 639.4 or the glass bonding table with mitre stop BO 5591300. Complicated and laborious adjustment of the glass is no longer necessary. · Exact adjustment of the bonding gap (= thickness of adhesive layer) · extremely sturdy

**i** Height 176 mm · Depth 160 mm · Suction pad 110 mm Ø

VERIFIX



### Features

Please note: Ideal for use together with the Verifix® mitre stop (BO 639.4).

Art. No.	Description
BO 639.2	Verifix® Pro Angle Suction Holder 45°
BO 639.3	Set with 2 x BO 639.2





## Verifix® Mitre Stop



Glass panes with 45° mitre edges can be positioned quickly and precisely towards each other with the Verifix® mitre stop and the Verifix® Pro angle suction holder 45° (BO 639.3). Complicated and laborious adjustment of the glass is no longer necessary.

Art. No.	Description
BO 639.4	Set of 2

### Please note:

Ideal for use in combination with Verifix® Pro angle suction holder 45° (BO 639.2).



## Angle Suction Holder Verifix® 90°



Holding and positioning device made of 2 suction pads with special sealing lip  
· can be finely adjusted to each other · with aluminium guides

**i** 2 suction pads 120 mm Ø · Adjustment range height / depth +/- 12 mm · Bracket length 200 mm · Plastic arm width 127 mm



Art. No.	Description
BO 630.2	Verifix® Angle Suction Holder 90°
BO 614.03	Spare suction pad
SP 6313	Bracket



## Angle Suction Holder Verifix® 90°



Holding and positioning device made of 2 suction pads with special sealing lip  
· can be finely adjusted to each other · with aluminium guides

**i** 2 suction pads 120 mm Ø · Adjustment range height / depth +/- 12 mm · Bracket length 400 mm · Plastic arm width 280 mm



Art. No.	Description
BO 630.3	Angle Suction Holder Verifix® 90°
BO 614.03	Spare suction pad



## Angle Suction Holder Verifix® 90° with Brace



Holding and positioning device made of 5 suction pads with special sealing lip · can be finely adjusted to each other · with aluminium guides

**i** 5 suction pads 120 mm Ø · Adjustment range height / depth +/- 12 mm · Bracket length 650 mm · Plastic arm width 350 mm

Art. No.	Description
BO 630.4	Angle Suction Holder Verifix® 90°
BO 614.03	Spare suction pad

## ▶ Verifix® Angle Suction Holder, infinitely adjustable

VERIFIX



Positioning aid with special sealing lip · suction pads can be finely adjusted to each other · sturdy plastic arms are 194 mm long and are connected to each other by a fixable joint

❶ 2 suction pads 120 mm Ø · Adjustment range 45 - 300 ° · Adjustment range height / depth +/- 12 mm

Art. No.	Description
BO 631.1	Verifix® Angle Suction Holder, infinitely adjustable
BO 614.03	Spare suction pad

## ▶ Verifix® Angle Suction Holder, infinitely adjustable

VERIFIX



Very robust model with twin suction unit and suction pads with special sealing lip · suction pads can be finely adjusted to each other · the sturdy plastic arms are 194 mm long and are connected to each other by a fixable joint

❶ 4 suction pads 120 mm Ø · Adjustment range 45 - 300 ° · Adjustment range height / depth +/- 12 mm

Art. No.	Description
BO 631.2	Verifix® Angle Suction Holder, infinitely adjustable
BO 614.03	Spare suction pad

## ▶ Spare Suction Pad with Lever



For suction holders BO 630.2, BO 630.3, BO 630.4, BO 631.1, BO 631.2

❶ Suction pad ø 120 mm

Art. No.	Description
BO 614.03	Spare suction pad

## ▶ Angle Suction Holder Verifix® 90°

VERIFIX



For positioning and holding small glass parts · optimised sturdy version!

❶ 2 suction pads · Suction pad 55 mm Ø · Length 75 mm · Width 76 mm · Height 75 mm

Art. No.	Description
BO 633.10	Angle Suction Holder Verifix® 90°

## ▶ Angle Suction Holder Verifix® 90° adjustable

VERIFIX



For positioning and holding small glass parts · optimised sturdy version!

❶ 2 suction pads · Adjustment range height / depth ± 3 mm · Length 94.8 mm · Width 76 mm · Height 94.9 mm



Art. No.	Description
BO 633.10L	Verifix® Angle Suction Holder, adjustable

### Please note:

Use fixing aid BO 633.10L in order to adjust the adhesive layer thickness for vertical bonding edges and for stabilising the glass panes.



## Eccentric Suction Stopper Verifix®



Eccentrically arranged, flat plastic disc · integrated suction pad · suitable for use when bonding floors or shelves in display cabinets · can be used individually or in pairs as precisely adjustable straight edge holder

**i** Height 20 mm · Adjustment range 6 mm



Art. No.	Inside · Outside · Description
BO 637.1	55 mm Ø · 70 mm Ø
BO 637.5	Spare Suction Pad



## Verifix® Eccentric Suction Stopper



Eccentrically arranged, flat plastic disc · suitable for small parts for universal adjusting of sheet materials · ideal for use when bonding floors or shelves in display cabinets · can be used individually or in pairs as precisely adjustable straight edge holder

**i** Height 20 mm · Adjustment range 6 mm

Art. No.	Inside · Outside · Description
BO 637.2	36.5 mm Ø · 47.5 mm Ø
BO 637.6	Spare Suction Pad for BO 637.2
SP 5280.55	Rubber Coated Iron Plate with Naps



## Pump-activated Angle Suction Holder Set Verifix®



VERIFIX

Verifix® pump-activated angle suction holder set in carrying case · as these positioning aids are mostly used in pairs, they are supplied as a set in a robust case ensuring that your valuable tools are well protected · the angle suction holders are also available separately. · A loss of vacuum is indicated by a red warning ring. The vacuum can be restored by simply pressing the hand pump.

Art. No.	Description
BO 638.9	Verifix® Pump-activated Angle Suction Holder Set
BO 638.0	Verifix® Pump-activated Angle Suction Holder
SP B0881	Vacuum Pump with Check Valve
SP B0187	Sealing Ring for Verifix® Angle Suction Holder



Fix the pump-activated suction holder on the first glass pane using the lower pump tappet. The suction holder becomes attached to the glass through the force of the vacuum and now has the correct position.

Now fix the second pane by pressing it against the suction pad while activating the upper pump tappet.

Then loosen the inferior suction pad by opening the upper venting valve, lift the suction holder together with the attached second glass pane and place it in the desired position.

Fix the suction holder again by activating the lower pump tappet.

# 1.7 | Accessories



## Box for Suction Lifters

Sturdy storage box made of metal for wall mounting · suitable for two suction lifters with one or two cups or for two carpet grippers (contents not included)



**i** Length 400 mm · Width 200 mm · Height 120 mm

Art. No.	Description
BO 619.50	Box for suction lifters
BO 619.53	BKS Security lock



## Storage Case for Suction Lifters

Sturdy storage case · suitable for 2 suction lifters with lengthwise handle (e. g. BO 602.4BL) · without contents



**i** Length 360 mm · Width 290 mm · Height 132 mm · Colour grey

Art. No.	Description
BO 5009417	with foam insert



## Storage Case for Suction Lifters

Sturdy storage case made of plastic, suitable for three 2-cup suction lifters or two 3-cup suction lifters · prevents soiling and damage · with foam insert · without contents



**i** Length 450 mm · Width 360 mm · Height 123 mm · Colour grey

Art. No.	Description
BO 5209418	with foam insert



## Storage Case for Suction Lifters

Sturdy storage case, suitable for two 1-cup suction lifters · prevents soiling and damage · contents not included



**i** Length 340 mm · Width 275 mm · Height 123 mm · Colour grey

Art. No.	Description
BO 5209419	with foam insert



## Adaptor for Suction Holders with Manual Pump

To adapt inch to metric threads



Art. No.	Description
BO 6023	Adaptor 1/4" to M8
BO 6024	Adaptor 1/4" to M6



# 02 | Handling without Vacuum Technology





# 2.1 Mechanical Lifting Devices

## Mechanical Lifting Devices

Bohle offers an extensive product portfolio for manually lifting non-airtight and predominantly flat objects which suction lifters are not suitable for, and for manual transport of loads.





## "Carry Clamp" Carrying Device



As a new feature, the Bohle Carry Clamp is now equipped with a rubber coating with diamond-shape texture. This coating helps prevent wet materials from slipping, particularly crafted stone or marble. The transported goods are held safely with two clamps - the heavier the load, the stronger the clamping mechanism.

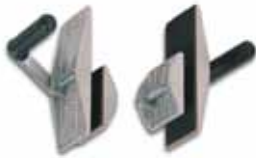


**i** Opening range up to 40 mm · Load capacity per pair 160 kg · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 5000200	Carry Clamp "Tragkuli"
BO 5000222	Spare plate for Carry Clamp



## Glass Carrying Device Tragboy



Suitable for transporting sheet materials · the load is held firmly between two non-slip, rubber-lined clamps · the heavier the load, the greater the clamping pressure

**i** Opening range up to 25 mm · Load capacity per pair 80 kg · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description · Length · Width
BO 5000101	Glass Carrying Device Tragboy
BO 5000108	Spare rubber lining · 200 mm · 80 mm



## Veribor® Carpet Gripper for Carpeted Double Flooring



Very robust · made of aluminium · with blocking function to prevent unintentional releasing of the carpet gripper



Art. No.	Description
BO 619.0	Veribor® Carpet Gripper for Carpeted Double Flooring
BO 619.1	Spare gripper plates for BO 619.0



## JOB0 Carpet Gripper



Suitable for all carpeted double floors · by pressing down the hand gear, the spikes of the carpet gripper hook into the carpet and provide a secure grip for lifting the floor tiles



Art. No.	Description
BO 619.9	JOB0 Carpet Gripper
BO 619.91	Spare gripper plates for BO 619.0

# 2.2 | Transport Aids and Carrying Straps

## ▶ Clamping Carriage, Self-Clamping



This innovative helper saves you time and staff expenses when transporting and mounting furniture. Ideal for transporting doors, partition walls, sheet materials and structural components with a maximum thickness of 100 mm and a maximum weight of 200 kg. The easy and safe operation of the device during transport helps prevent material damages. Fatigue and back pain are minimised due to the ease of operation of the device, therefore reducing health risks and their associated costs. The transport carriage has a sturdy construction and is equipped with pneumatic tyres, also suitable for use on uneven ground, e.g. at construction sites. The equipment also includes 2 reduction blocks for thinner materials, a 4 m tension belt for connecting carriage and transported goods and a guiding aid for smaller parts.

**i** Now with air tyres for uneven surfaces. · Length 46 cm · Width 33 cm · Height 27 cm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for Coated wood · suitable for Marble / Stoneware

Art. No.	Description
BO 5000120	Clamping Carriage
BO 5000121	Spare air tyres
BO 5000123	Spare reduction blocks

## ▶ Clamping Carriage Bohle Panel Express



Our easy to manoeuvre Bohle Panel Express is the perfect solution for warehouses or the job site. The unique compact design enables a single individual to easily navigate rough terrain and tight spaces. Our carriage can also serve as a drywall dolly or plasterboard cart. Rubber grippers inside the brace mechanism keep your material from being marred. · for sheets of up to 300 kg · clamping mechanism automatic up to 75 mm

**i** Now with air tyres for uneven surfaces. · Length 30 cm · Width 30 cm · Height 30 cm

Art. No.	Description
BO 5000100	Bohle Panel Express

## ▶ Glass Handling Frame



50 mm wide, non-slip lining · height 50 cm · suitable for insulated glass

**i** Load capacity max. 100 kg

Art. No.	Description
BO 5007651	Glass Handling Frame

## ▶ Safety Carrying Strap



Heavy-duty linen · with hand slings · leather chafe protection · cross strap helps prevent the glass sheet from sliding out laterally

**i** Length 1650 mm · Width 80 mm · Load capacity 80 kg

Art. No.	Description
BO 5065604	Safety Carrying Strap



## Carrying Strap



Heavy-duty linen · leather chafe protection · length adjustable

**i** Load capacity 80 kg

Art. No.	Length · Width
BO 5065600	1650 mm · 40 mm
BO 5065601	1650 mm · 80 mm



## Cross Carrying Strap



Heavy-duty linen · leather chafe protection · length adjustable

**i** Length 5200 mm · Width 80 mm · Load capacity 80 kg

Art. No.	Description
BO 5065500	Cross Carrying Strap



## Carrying Strap, Leather



Shaped wooden handles · felt lining as chafe protection

**i** Length 1100 mm · Width 70 mm · Load capacity 80 kg

Art. No.	Description
BO 5065501	Carrying Strap, Leather



## Carrying Strap, Hemp



Carrying strap, 4 cm wide · heavy-duty linen, sold by the metre

Art. No.	Width · Length
BO 5065603	40 mm · 9 m
BO 5065602	80 mm · 9 m



# 03 | Handling Devices



# 3.1 | Lifting Systems



# Wood's Powr-Grip® Vacuum Lifters

Wood's Powr-Grip® vacuum lifters are available in several different series and versions with optional features as well as additional practical accessories. In this section you will find just a few examples from our comprehensive product range. Please ask for detailed information about further products, optional equipment and special designs. Data sheets for individual vacuum lifters are also available. We would be happy to send you a quote tailored to your specific requirements.



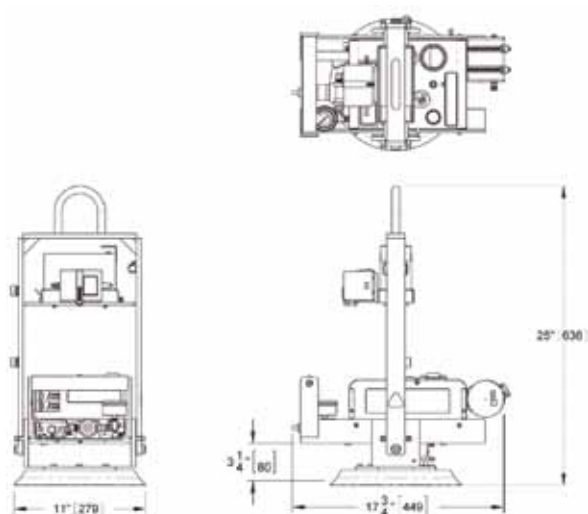
## ▶ Wood's Powr-Grip® Vacuum Lifter, Load Capacity 70 kg



The Powr-Grip® lifting system MT1HV11DC is suitable for use with cranes or other lifting equipment. The load is held by vacuum. The lifting system can be tilted manually by 90°.

### Features

- Ideal for transport and installation in limited space conditions
- Compact, robust construction
- For use in workshops
- High holding capacity
- Independent of power supply
- For small to medium glass sizes



Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	70 kg
Number of suction pads	1
Tilting	90 °
Rotating	- °
Art. No.	BO W7A1





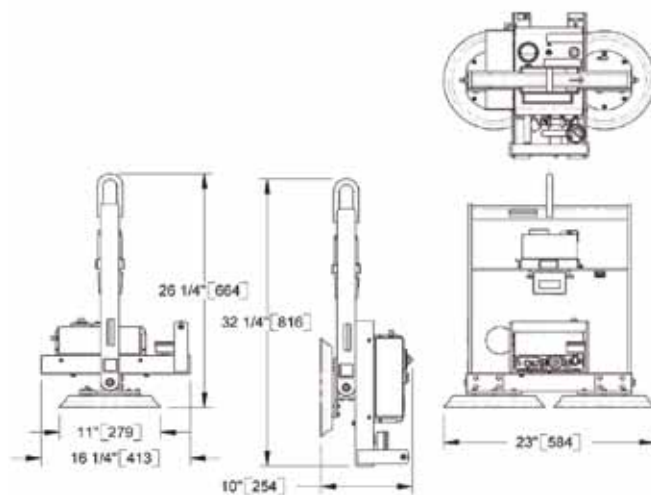
## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 135 kg



The Powr-Grip® lifting system MT2HV11DC is suitable for use with cranes or other lifting equipment. The load is held by vacuum. The lifting system can be tilted manually by 90°.

### Features

- Ideal for transport and installation in limited space conditions
- Compact, robust construction
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Independent of power supply
- For small to medium glass sizes



Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	135 kg
Number of suction pads	2
Tilting	90 °
Rotating	- °
Art. No.	BO W14DA2 / BO 6009830 (UK)



## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 320 kg



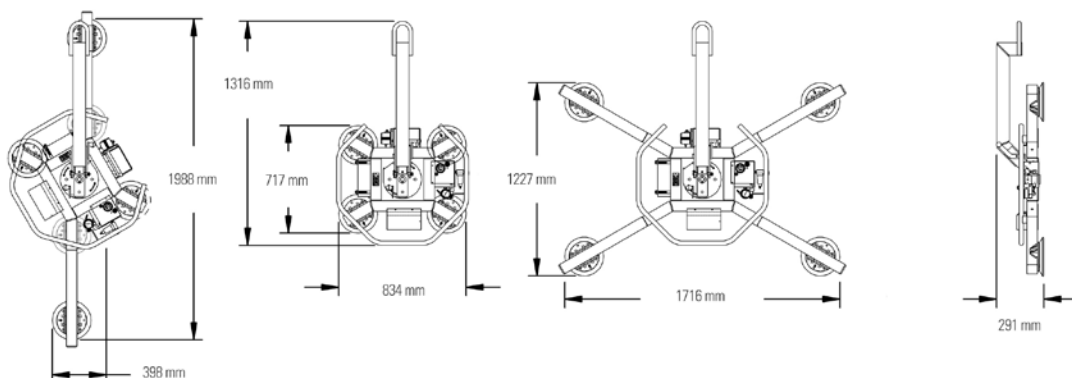
With 3 frame configurations, 360° rotation and 90° tilt, this Powr-Grip® vacuum lifter provides maximum versatility and flexibility in the workshop or at the construction site. As all Wood's Powr-Grip® vacuum lifters offered by Bohle, this model provides an especially high level of security with its dual circuit vacuum system. It has a load capacity of 320 kg.

### Features

- Adapts to diverse transport and installation requirements
- Compact, robust construction
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Independent of power supply
- If desired, also available in plastic box for transport and storage (W32DA4B)



Specifications	Wood's Powr-Grip® Vacuum Lifters	
Load capacity	320 kg	320 kg
Number of suction pads	4	4
Tilting	90 °	90 °
Rotating	360 °	360 °
Art. No.	BO W32DA4 / BO 6009822 (UK)	BO W32DA4B





## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 500 kg



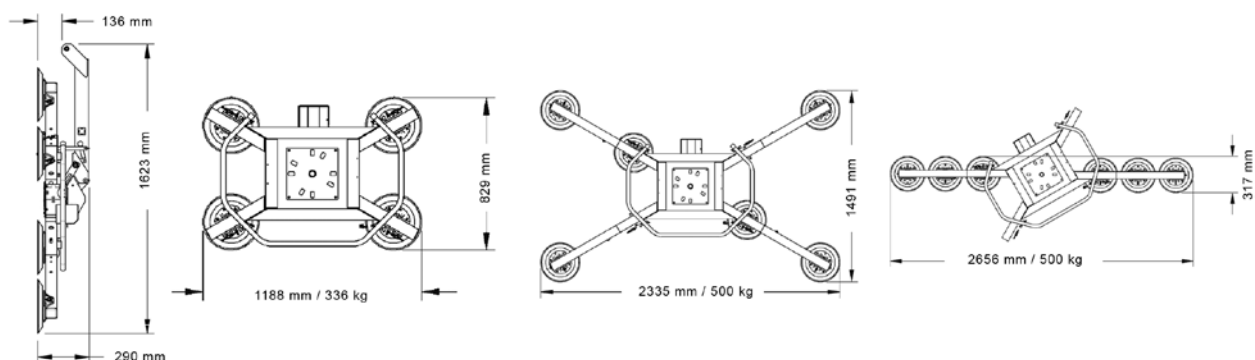
In addition to being battery powered and having a dual circuit vacuum system, this Powr-Grip® vacuum lifter features a very adaptable suction pad frame as well as a slim profile. Thus maximum versatility is ensured when handling loads, between building and scaffolding, for example, or in other similarly limited spaces. This lifter offers continuous 360° rotation as well as a 90° tilt mechanism which also facilitates handling of large or heavy loads. It has a maximum load capacity of 500 kg. As with all Powr-Grip® lifters offered by Bohle, this model meets the requirements of DIN EN 13155 in full.

### Features

- Adapts to diverse transport and installation requirements
- Especially wide range of configurations (8 different configurations)
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Independent of power supply
- If desired, also available in plastic box for transport and storage (W50DA6B)



Specifications	Wood's Powr-Grip® Vacuum Lifters	
Load capacity	500 kg	500 kg
Number of suction pads	6	6
Tilting	90 °	90 °
Rotating	360 °	360 °
Art. No.	BO W50DA6 / BO 62299827 (UK)	BO W50DA6B





## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 500 kg



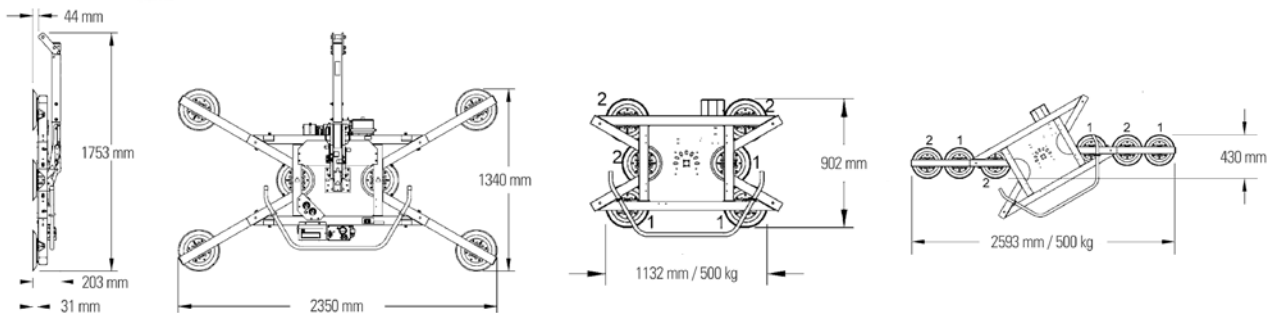
The Powr-Grip® vacuum lifter MRTALP611LDCS is ideal for use in especially tight spaces using a crane or other hoisting device, e.g. between building and scaffolding. The lifting system can be rotated manually by 180° and tilted by 90°. It has a maximum load capacity of 500 kg and fully meets the requirements laid down in DIN EN 13155.

### Features

- Flat design measures only 203 mm for optimum handling under tight conditions
- Especially wide range of configurations (8 different configurations)
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Independent of power supply
- High quality – proven over many years



Specifications	Wood's Powr-Grip® Vacuum Lifter
Load capacity	500 kg
Number of suction pads	6
Tilting	90 °
Rotating	180 °
Art. No.	BO W50DA6S





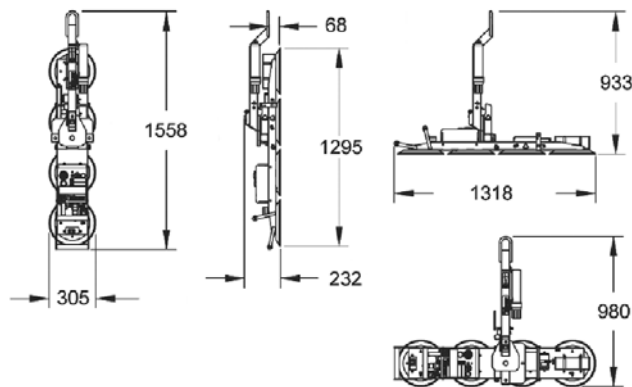
## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 320 kg



This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions, it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 320 kg. This lifter provides 180° rotation and 90° tilt. Battery powered, it is equipped with a dual circuit vacuum system and can therefore also be used at construction sites. Other versions, e.g. for modular applications, are available on request.

### Features

- Ideal for transport and installation in limited space conditions
- Compact, robust construction
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Independent of power supply
- If required, also available in plastic box for transport and storage (W32DA4SB)



Specifications	Wood's Powr-Grip® Vacuum Lifters	
Load capacity	320 kg	320 kg
Number of suction pads	4	4
Tilting	90 °	90 °
Rotating	180 °	180 °
Art. No.	BO W32DA4S / BO 6009819 (UK)	BO W32DA4SB



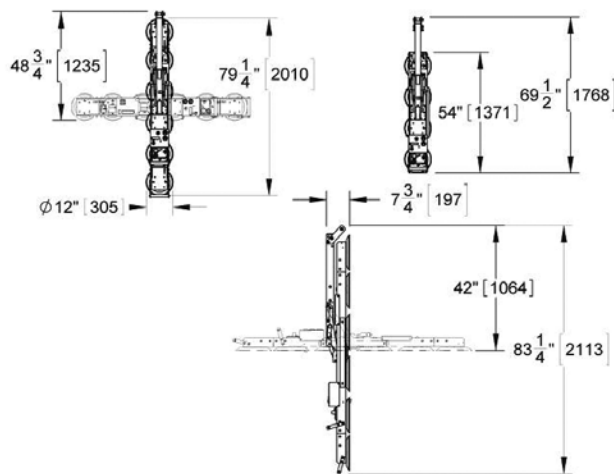
## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 500 kg



This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions, it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 500 kg. This lifter provides 180° rotation and 90° tilt. Battery powered, it is equipped with a dual circuit vacuum system and can therefore also be used at construction sites.

### Features

- Ideal for transport and installation in limited space conditions
- Compact, robust construction
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Independent of power supply



Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	500 kg
Number of suction pads	6
Tilting	90 °
Rotating	180 °
Art. No.	BO W50DA6CH / BO 6009832 (UK)



## Wood's Powr-Grip® Vacuum Lifter, Load Capacity 635 kg



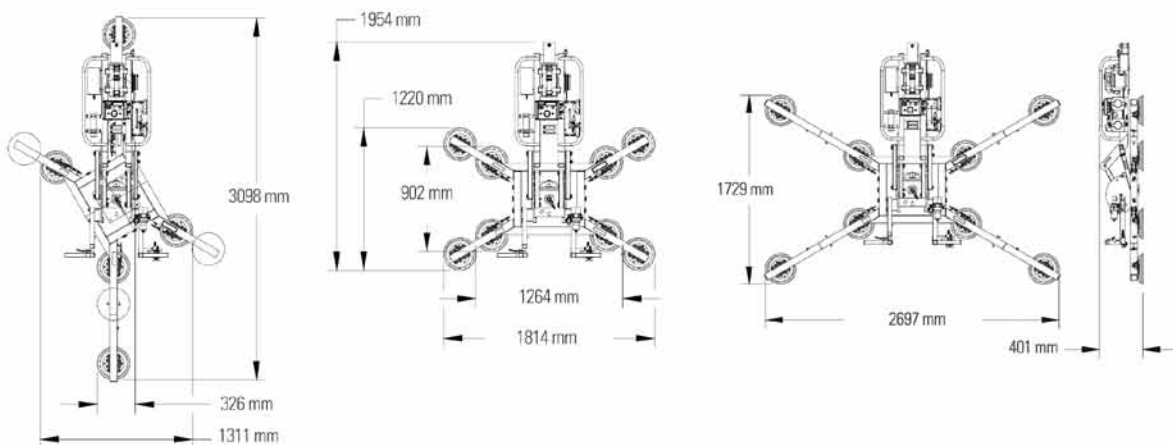
The Powr-Grip® lifting system MRTA811LDC is suitable for use with cranes or other hoisting equipment. The lifting system can be rotated manually by 360° and tilted by 90°. The load-bearing capacity is 635 kg. The system fully meets all requirements laid down in DIN EN 13 155.

### Features

- Adapts to diverse transport and installation requirements
- Especially wide range of configurations (8 different configurations)
- For use at construction sites or workshops
- Independent of power supply
- High quality – proven over many years
- High load capacity of 635 kg thanks to high performance dual circuit vacuum system which ensures reliable safety.



Specifications	Wood's Powr-Grip® Vacuum Lifter
Load capacity	635 kg
Number of suction pads	8
Tilting	90 °
Rotating	360 °
Art. No.	BO W63DA8





# Lifting Pliers



## Glass Transporting Pliers

Sturdy transporting pliers for handling all kinds of sheet material. This device excels due to its particularly simple and safe handling. With a hoisting tool, simply lift the glass transporting pliers above the object to be transported. When placed onto the plate, a mechanism is set in motion which ensures a safe grip simply by the upwards motion of the transporting pliers. When putting the load down after transport, the pliers are automatically released by the reverse mechanism.



## Features

For handling of various sheet materials · Easy and secure handling · Up to 1000 kg load capacity

Art. No.	Load capacity · Material thickness
BO GTP500	500 kg · 3 - 19 mm
BO GTP1000	1000 kg · 4 - 24 mm
BO GTP1030	1000 kg · 10 - 30 mm
BO GTP1050	1000 kg · 30 - 50 mm

## 3.2 | Transport and Mounting Aids

The tendency towards increasingly larger glass constructions in architecture and the growing usage of 2-gap insulating glass pose new challenges for glass processors and assemblers: Elements which could previously be moved by two people have now become so heavy that they can hardly be transported manually on site or within company premises any longer.







### Features

- Easy and secure handling of structural components of up to 180 kg
- Stable construction
- Rack can be rotated and tilted
- Easy assembly of structural components
- Ideal for transport within company premises and on construction sites
- Can be disassembled easily, fits in any estate car
- Very compact and manoeuvrable
- Fits through standard doors
- Handle is height adjustable
- Vacuum lifter: can be rotated by 360° · can be removed very easily and used separately together with a crane · has a dual circuit vacuum system with 4 suction pads · is very flat and compact · is equipped with a vacuum indicator for monitoring the vacuum · the vacuum is generated via a hand pump, therefore ready for use at all times (no previous charging of batteries required) · weight: 20 kg



Specifications	
Length	1.3 m
Width	(with extended axles for widening the gauge 1.1 m) 0.8 m
Height	1.95 m
Art. No.	BO 88.01



## Manual Lifting Device



The new manual lifting device can do without an electric pump and is therefore very versatile in use. A dual circuit vacuum system, reserve tanks, vacuum display and an additional visual vacuum indicator ensure high levels of safety. The manual lifting device stands out due to its very compact construction and low weight. Among other things, it is used together with Liftmaster B1 for holding loads. It can also be used independently. For this purpose the lifting device is equipped with crane eyelets; two different crane arms (vertically rotatable by 360° and horizontally tiltable by 90°) are also available as additional equipment. Apart from this, the lifting device can also be used for fixing and holding loads in customised projects.

**i** Load capacity max. 180 kg · Weight approx. 20 kg · Dimensions 910 mm x 510 mm x 100 mm · Turns optionally by 360 ° · Tiltable optionally by 90 °

#### Art. No.

BO B18DM4



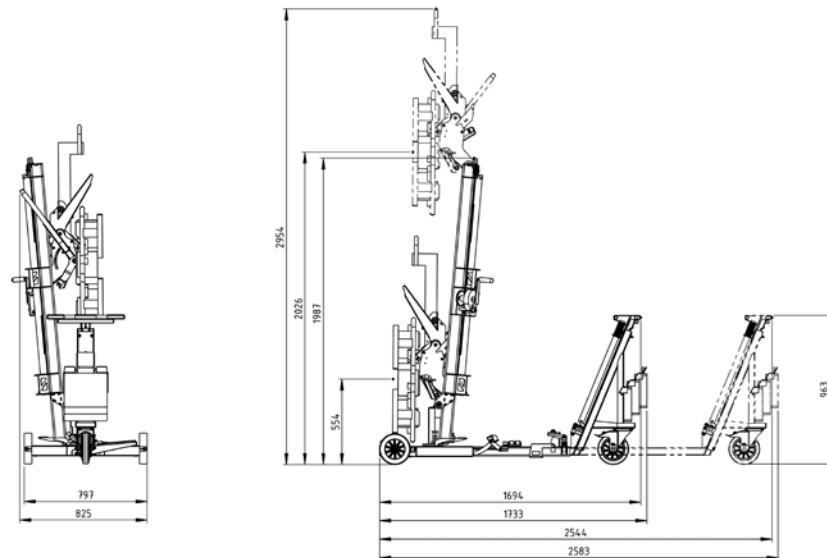
The tendency towards increasingly larger glass constructions in architecture and the growing usage of 2-gap insulating glass pose new challenges for glass processors and assemblers: Elements which could previously be moved by two people have now become so heavy that they can hardly be transported manually on site or within company premises any longer.





## Features

- Transport and assembly of airtight materials with a weight of up to 320 kg and a width of up to 3.80 m, such as glass panes, window elements, stone and metal sheets
- Connection to a standard Wood's Powr-Grip® MRT4 vacuum lifter (optionally BO W32DA4 / BO 6009822 (UK)) via quick coupling system
- Repeated use of lifting device (Liftmaster, crane, etc.) possible
- Adjustable length from 1,700 mm up to 2,560 mm for diverse application requirements
- Total width of only 825 mm enables passing through standard doors even with larger materials
- Upper lifting position 2,000 mm (with optional rack extension 2,200 mm)
- Rack can be tilted for transport in standard delivery van, also with internal rack
- Front or lateral lifting from transport racks and unloading onto transport racks
- Loading of a machine or a tilting table and unloading of the pane after processing
- Transfer of lifting device including load to a crane and taking over from crane without the necessity of tools
- Mounting of structural elements (e.g. sliding door, window) and balustrade systems
- Transport and handling of thin glass with extension racks of lifting device
- Transport and assembly of fire doors
- Transport and assembly of drywalls (prefabricated walls)
- Transport of plastic, stone, concrete, aluminium and ceramic sheets, coated chipboard, sheet metal, etc.



Specifications	
Total height	without vacuum lifter 1987 mm
Total height	without vacuum lifter, with extension rack 2170 mm
Total width	825 mm
Total length	(min./max.) 1733 / 2583 mm
Min. glass thickness	3 mm
Max. glass height	unlimited - mm
Pane length	3800 mm
Max. load capacity	320 kg
Working temperature	-9 / +40 °C
Weight	without vacuum lifter incl. counterweights ~ 230 kg
Counterweights	3 x 25 kg
Art. No.	BO 88.02



# Accessories Liftmaster B2

## ▶ Rack Extension

Rack extension for increasing the upper lifting position to 2,200 mm



Art. No.	Description
BO 88.021	Rack extension, 200 mm

## ▶ Pneumatic Tyres

Pneumatic tyres for exterior use



Art. No.	Description · Sales unit
BO 88.022	Pneumatic Tyres · 2 items

## ▶ Counterweights

Additional counterweights for heavy, protruding structural elements



Art. No.	Description · Weight
BO 88.023	Counterweights · 25 kg

## ▶ Wood's Powr-Grip® Vacuum Lifter, Load Capacity 320 kg



With 3 frame configurations, 360° rotation and 90° tilt, this Powr-Grip® vacuum lifter provides maximum versatility and flexibility in the workshop or at the construction site. As all Wood's Powr-Grip® vacuum lifters offered by Bohle, this model provides an especially high level of security with its dual circuit vacuum system. It has a load capacity of 320 kg.

Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	320 kg
Number of suction pads	4
Tilting	90 °
Rotating	360 °
Art. No.	BO W32DA4 / BO 6009822 (UK)

# 04 | Protective Clothing



# 4.1 | Protective Clothing

Whether structural components are handled manually or with handling devices, precautions have to be taken to avoid injuries or damage to the structural components. Gloves, protective glasses and work aprons are indispensable equipment for guaranteeing work safety.

## ▶ Protective Helmet DIN 4840



PE helmet · with rain catcher · plug-in holes for face/ear protection devices · side ventilation · four-point strap with sweat band · dimensional stability under heat: up to 70° C · breaking strength under cold: down to approx. -40°C · safety recommendation: not to be used for more than 5 years · do not use after heavy impact!

Art. No.	Description
BO 5007606	Protective Helmet DIN 4840

## ▶ Protective Glasses Economy



Panorama glasses · non-slip plastic sport arm, length and slant adjustable · with anti-fog coating · in compliance with EU Directive 89/686/EEC for PPE, type-tested and CE marked · DIN EN166:2002-4

Art. No.	Description
BO 5007614	Protective Glasses

## ▶ Work Apron, KEVLAR® short



Made of KEVLAR® material · adjustable strap · heavy duty quality · stitched leather pocket with sections for glass cutters

**i** Length 60 cm · Width 60 cm · Cut resistance level: 5



Art. No.	Description
BO 5007615	Work Apron

## ▶ Work Apron, Chrome Split Leather, short



Chrome split leather · especially robust quality · with adjustable strap

**i** Length 60 cm · Width 60 cm · Cut resistance level: 2



Art. No.	Description
BO 5007603	With pocket
BO 5007602	Without pocket

## ▶ Work Apron, Chrome Split Leather, long



Chrome split leather · especially robust quality · adjustable straps

**i** Length 100 cm · Width 80 cm · Cut resistance level: 2



Art. No.	Description
BO 5007601	With pocket
BO 5007600	Without pocket

## ▶ Wrist Protector Sleeves



KEVLAR® wrist protector sleeves made of knitted material · with thumb hole for good hold · especially good fit and good air circulation · one size

**i** Total length approx. 300 mm · Cut resistance level: 3

Art. No.	Size
BO 5007509	One size

## ▶ Wrist Protector



Traditional protection wrist gauntlets · with buckle fasteners

**i** Length 200 mm · Material leather

Art. No.	Size
BO 6002326	One size

## ▶ Wrist Protector Sleeves, Chrome Split Leather, Perforated



Chrome split leather · perforated · with Velcro fastening · borders leather reinforced

**i** Cut resistance level: 2

Art. No.	Size · Width
BO 5207704	One size · 145 mm
BO 5207724	One size · 200 mm



## Wrist Protector Sleeves, Chrome Split Leather, Piped

Chrome split leather · both sides piped · with inner snap-around bands



**i** Length 150 mm · Cut resistance level: 2

Art. No.	Size
BO 5207707	One size



## Protective Kid Leather Gloves

Meet the German accident-prevention regulations VBG 1, safety sheet for protective gloves DIN 4841 · gauntlet made of split leather (at least 15 cm long) and open at the side · fingertips open, perforated on back of hand · thumb, index finger and palm reinforced with kid leather · with Velcro fastening



**i** Size 35 cm

Art. No.	Description
BO 5007503	Protective Kid Leather Gloves



## Work Gloves Chrome Split Leather

Made of chrome split leather with canvas gauntlet · hard-wearing



Art. No.	Size
BO 5007504	One size



## PowerGrab KEVLAR® KATANA

KEVLAR® cut protection gloves, made of steel-reinforced KEVLAR® fabric with a very high cut resistance level · blue latex coating at palms providing excellent grip · breathable material on back of hand · tested per DIN EN 388 CAT II



**i** Cut resistance level: plus 5

Art. No.	Size
BO 5017533	8 / M
BO 5017534	9 / L
BO 5017535	10 / XL
BO 5017536	11 / XXL



## PowerGrab KEVLAR® KEV



KEVLAR® cut resistant gloves · 20% more KEVLAR® fibre · blue Latex coating at the palms, providing excellent grip · breathable material on back of hand · tested per DIN EN 388 CAT II · also available with extended wrist protection · Important: According to manufacturer specifications, the cut resistance of this product has been changed from 5 to 4.

**i** Cut resistance level: 4

Art. No.	Size · Description
BO 5017500	11 / XXL
BO 5017501	10 / XL
BO 5017502	9 / L
BO 5017503	8 / M
BO 5017504	11 / XXL · with wrist protection
BO 5017505	10 / XL · with wrist protection
BO 5017506	9 / L · with wrist protection
BO 5017507	8 / M · with wrist protection



## PowerGrab KEVLAR® KEV4



KEVLAR® cut resistant gloves with open-pored MicroFinish® latex coating to provide optimum grip · breathable material on back of hand · tested per DIN EN 388 CAT II · also available with extended wrist protection

**i** Cut resistance level: 4

Art. No.	Size · Description
BO 5017508	11 / XXL
BO 5017509	10 / XL
BO 5017510	9 / L
BO 5017511	8 / M
BO 5017512	11 / XXL · with wrist protection
BO 5017513	10 / XL · with wrist protection
BO 5017514	9 / L · with wrist protection
BO 5017515	8 / M · with wrist protection



## ActiveGrip Advance KEVLAR® KEV



Fine-knit KEVLAR® cut protection gloves · extremely good grip due to open-pore MicroFinish® nitrile coating · very good mechanical properties and oil resistance thanks to high quality nitrile coating · for universal use · tested per DIN EN 388 CAT II

**i** Cut resistance level: 3

Art. No.	Size
BO 5017529	8 / M
BO 5017530	9 / L
BO 5017531	10 / XL
BO 5017532	11 / XXL

### Please note:

Appropriate for most thermal insulation coatings (such as Low-E)





## Work Gloves, ActivGrip Advance



Fine-knit seamless nylon glove with extremely good grip due to open-pore MicroFinish® nitrile coating · very good mechanical properties and oil resistance thanks to high quality nitrile coating · for universal use · tested per DIN EN 388 CAT II

**i** Cut resistance level: 1

Art. No.	Size
BO 5017525	8 / M
BO 5017526	9 / L
BO 5017527	10 / XL
BO 5017528	11 / XXL

### Please note:

Appropriate for most thermal insulation coatings (such as Low-E)



## PowerGrab KEVLAR® KEV Thermo



Long lasting gloves for cold weather are now also available from the proven PowerGrab® series. Fully coated thumb area offers increased protection. Unlike similar gloves in the market that leave the top of the thumb uncoated and unprotected, the PowerGrab® series fully coats the thumb, additionally protecting this vulnerable area while offering an excellent grip performance.

**i** Cut resistance level: 3

Art. No.	Size
BO 5017548	8 / M
BO 5017549	9 / L
BO 5017551	10 / XL
BO 5017552	11 / XXL

# 4.2 | Protection of Structural Components

## Protection of Structural Components

Bohle offers products for protecting corners, edges and surfaces of the structural components to be handled in order to avoid damage during transport.



### Wooden Glass Corner Holder



With built-in suction cup, diameter 120 mm · protective corner holder for use when transporting sheet material, wide version · suitable for all materials with smooth, flat, airtight surfaces such as glass, plastic, metal, coated wood, marble, etc. · Supplied product may vary from the picture.

**i** Suction pad ø 120 mm

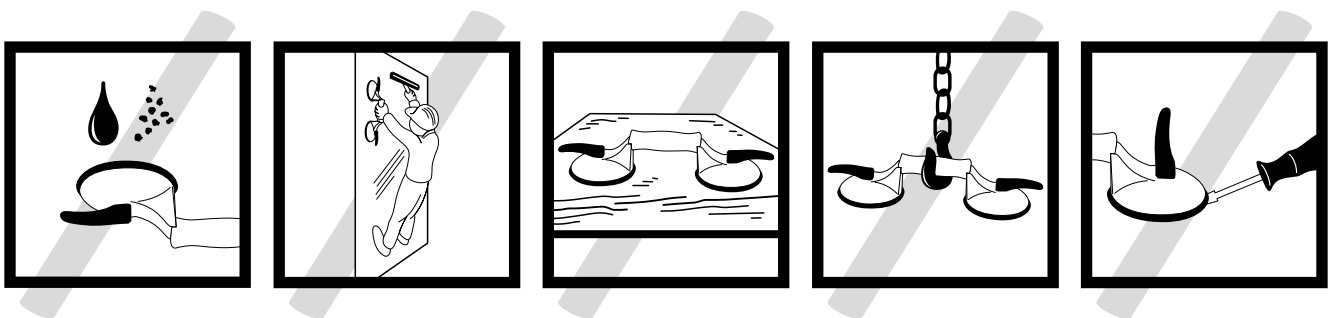
Art. No.	Panel thickness
BO 5007654	max. 60 mm
BO 5007652	max. 30 mm



# Your safety is our priority!

## Attention! Important Information:

- The applications displayed in the catalogue are examples and do not take into account individual conditions on a case-by-case basis.
- The load capacities indicated refer to clean, dry and flat glass surfaces (float glass) at an ambient temperature of 20 °C, with a new suction lifter at an ambient pressure of 1013 mbar. Please take into account that atmospheric pressure decreases with increasing height above sea level and therefore load capacity becomes less. In case of cold temperatures, humidity and contamination, especially when working with an untended or even damaged rubber pad and when lifting and holding materials other than flat glass (e.g. textured glass, plastic, stone, metal, etc.), gripping power is also reduced. It therefore lies within the user's liability to check the suitability of the chosen device for the intended use.
- All our measurements were based on flat glass surfaces in order to determine comparable load capacities. Suction lifters which are designed for curved surfaces, reach higher values when measured on the corresponding surface.
- Suction lifters must not be exposed to extreme heat (e.g. open fire, permanent solar radiation) for a longer period of time. Temperatures which are permanently above approx. 80 °C must be avoided under all circumstances.
- The suction pads are made of high adhesion natural rubber. After the first use or after very long periods of use, a dark ring might remain on the surface. Normally, it can easily be removed with Bohle Special Cleaner (BO 5107910). Nevertheless, test the cleaner on a concealed spot before use.
- It is essential to pay attention to the instruction manuals supplied with the products. We are therefore excluded from liability, especially as far as consequential and financial losses are concerned.
- Technical modifications of the products and the technical data in this catalogue reserved.



# Key Word Index

## A

ActiveGrip Advance KEVLAR® KEV	83
Adaptor for Suction Holders with Manual Pump	56
All-Rubber Dome-Shaped Suction Lifter with Grip Stick	35
All-rubber Suction Lifter "Pick Up"	38
All-Rubber Suction Lifter with Finger Hole	36
Angle Suction Holder Verifix® 90°	52, 53
Angle Suction Holder Verifix® 90° adjustable	53
Angle Suction Holder Verifix® 90° with Brace	52
Angle Suction Holder Verifix® Pro 45°	51
Angle Suction Holder Verifix® Pro 90°	50

## B

Box for Suction Lifters	56
-------------------------	----

## C

Carry Clamp Carrying Device	59
Carrying Strap	61
Carrying Strap, Hemp	61
Carrying Strap, Leather	61
Clamping Carriage Bohle Panel Express	60
Clamping Carriage, Self-Clamping	60
Counterweights	78
Cross Carrying Strap	61

## D

Dome-Shaped Suction Lifter with Grip Handle, for Diverse Loads	39
--	----

## E

Eccentric Suction Stopper Verifix®	54
------------------------------------	----

## G

Glass Carrying Device Tragboy	59
-------------------------------	----

Glass Handling Frame	60
Glass Transporting Pliers	72

## I

Innovative Handling Aid Liftmaster B2	76
---------------------------------------	----

## J

JOB0 Carpet Gripper	59
---------------------	----

## L

Liftmaster B1 Lifting System with Dual Circuit Vacuum Lifter	75
--	----

## M

Manual Lifting Device	75
Multi-purpose Holder with Socket Joint and Veribor® Suction Holder	44

## N

Glass Carrying Device Tragboy	59
Glass Handling Frame	60
Glass Transporting Pliers	72

## P

Pneumatic Tyres	78
PowerGrab KEVLAR®	
KATANA	82
KEV	83
KEV Thermo	84
KEV4	83
Protective Glasses Economy	80
Protective Helmet DIN 4840	80
Protective Kid Leather, Gloves	82

Pump Tappet WBP 90524AM	24
Pump-activated Angle Suction Holder Set Verifix®	55
Pump-Activated Suction Holder with Ball Joint	46
PVC Suction Cup	41, 48

## R

Rack Extension	78
Rubber Suction Pad	46

## S

Safety Carrying Strap	60
Seaming Tool for Clamping and Repositioning	45
Spare Suction Pad with Lever	53
Storage Case for Suction Lifters	56
Straight Edge Holder Silberschnitt®	47
Suction Holder with Manual Pump	46, 47
Suction Lifter with	
1 Suction Pad	41
2 Suction Pads	39
Leverage Handle	41
Suction Lifter, All-Rubber with Two Finger Holes	35
Suction Lifter, All-rubber, with Finger Hole	36
Suction Wall Hanger	47
Suction Workstation	45

## V

Veribor® 1-Cup Suction Lifter Plastic	32
Veribor® 1-Cup Suction Lifter, Aluminium	33
Veribor® 1-Cup Suction Lifter, Aluminium for one-hand operation	33
Veribor® 2-Cup Suction Lifter Aluminium	33
Veribor® 2-Cup Suction Lifter, Aluminium for one-handed operation	33
Veribor® 3-Cup Suction Lifter Aluminium	32
Veribor® 4-Cup Suction Lifter with Handle	35
Veribor® blue line 1-Cup Suction Lifter, Aluminium	27
Veribor® blue line 2-Cup Suction Lifter, Aluminium, Handle Lengthwise	27
Veribor® blue line 2-Cup Suction Lifter,	
Aluminium, Transverse Handle	26
Aluminium, with Vacuum Indicator	26
Plastic, with Vacuum Indicator	31
Veribor® blue line 3-Cup Suction Lifter, Aluminium	25
Veribor® blue line Pump-Activated Suction Lifter made of Plastic, in Carrying Case	19
Veribor® blue line Pump-Activated Suction Lifter with Pressure Gauge, in Case	20
Veribor® blue line Suction Lifter Set	28
Veribor® Carpet Gripper for Carpeted Double Flooring	59
Veribor® Pump-Activated Suction Lifter,	

Made of Aluminium, in Carrying Case	20, 21
Veribor® Suction Head	45
Veribor® Suction Holder	43
for Positioning	44
with Ball Joint for Fixing Finished Products	43
Made of Aluminium	43, 46
with Plastic Stopper	43
Veribor® Suction Lifter	34
with 2 Plastic Swivel Heads and Large Rubber Pad	32
with Central Joint	45
with Knob Grip, All-Rubber	36
with Lateral Handle	32
Veribor® Suction Lifter, 2 Plastic Swivel Heads	31
Veribor® Suction Lifter, 2 Plastic Swivel Heads with Vacuum Indicator	29
Veribor® Suction Lifter,	
2-Cup, Plastic	29
3-Cup, Plastic Swivel Heads	28
All-Rubber, with T-Handle	36
with T-handle	41
Veribor® Suction Pads with Internal Threads	48
Verifix® Angle Suction Holder, infinitely adjustable	53
Verifix® Eccentric Suction Stopper	44, 54
Verifix® Mitre Stop	52
Verifix® Suction Unit	47

## W

Wooden Glass Corner Holder	85
Wood's Powr-Grip® Suction Positioning Device PU0950	41
Wood's Powr-Grip® Pump-Activated Suction Lifter,	
Made of Plastic, N4000	22
Made of Plastic, N4000LM	22
Made of Plastic, N5000	22
Wood's Powr-Grip® Pump-Activated Suction Lifter,	
Metal N4950	23
Metal N5450	23
Metal N6450	22
Metal LJ6VH	23
Wood's Powr-Grip® Suction Lifter with Manual Pump	23
Wood's Powr-Grip® Vacuum Lifter, Load Capacity	
135 kg	65
320 kg	66, 69, 78
500 kg	67, 68, 70
635 kg	71
70 kg	64
Work Apron, Chrome Split Leather, long	81
Work Apron, Chrome Split Leather, short	81
Work Apron, KEVLAR® short	80
Work Gloves, ActivGrip Advance	84
Work Gloves, Chrome Split Leather	82
Wrist Protector	81
Wrist Protector Sleeves,	81
Wrist Protector Sleeves, Chrome Split Leather, Perforated	81
Wrist Protector Sleeves, Chrome Split Leather, Piped	82



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