



Glass and Glazier

Everything for Glass Professionals



The Bohle Online Shop

The Bohle Online Shop offers you our latest product range around the clock in a clearly structured and informative way.

The brand new Online Shop will be launched soon. Look forward to clearer layout, better performance and improved functionality.

www.bohle-group.com



Optimised for all digital devices.



Clearly structured product presentation with filter function.



Convenient search function.



Secure customer area with online and offline order history.



New offers and deals always updated.



24/7 the latest product portfolio.

Discover Bohle

The Bohle Group is one of Europe's leading manufacturers and wholesalers of tools, machinery and accessories for glass processing and glass finishing. The family business, founded in 1923, is

now represented by over 300 employees at 14 locations in Germany and abroad. Divided into Handling, Glass Cutting, Glass Bonding, Glazing, Tools, Machinery, Fittings and Surface Protection product divisions,

the total product range is precisely tailored to the respective customer groups from trade, industry and retail.

The Bohle Visitor Centre



In our NEW Bohle showroom and training suite, located in Dukinfield, we present numerous products in a generous exhibition area.

Whether it's fittings, measuring devices or consumables: Many products are available for trying and testing.

Why not visit us – we look forward to welcoming you!

The Bohle Glass Academy



The Bohle Glass Academy offers you an extensive seminar programme on many glass processing topics. Learn new technologies or broaden your knowledge in well-known sectors.

Our Practical Seminars:

- UV Bonding
- Surface Bonding
- Manual Glass Cutting
- Sliding Door Installation

Each seminar includes:

- Seminar materials
- Use of practice materials and tools
- Fabrication of reference samples
- Customised troubleshooting
- Drinks, snacks and lunch
- Bohle Seminar Certificate

For current seminar dates, please visit our website www.bohle-group.com.

Planning and Design Manuals



This new edition of the Hardware Catalogue offers two practical work aids: A Design Manual and a Planning Manual.

The Design Manual contains all essential product lines on approx. 160 pages, generously illustrated by numerous application images. This catalogue is perfect for choosing a suitable fitting together with your end customer, for example. User-friendly tables guide you to the right products; large images display

the design and the application possibilities of the different products. In addition, intelligent cross-references in the Design Manual facilitate finding the corresponding products in the Planning Manual.

The Planning Manual has more than 700 pages and contains relevant technical data and diagrams. It is meant to serve as a basis for quickly and easily calculating and implementing your projects and orders with Bohle products.



The Bohle product brands

We place high demands on the quality of both our products and our service. Our corporate philosophy does not only comprise expert advice in application related issues or professional support in

finding the right product, we also strive to be your competent partner in your everyday routine - via sales visits and the transfer of knowledge.

The Bohle brands came into being during the company's 90-year history and do not only represent quality products but also stand as synonyms for whole product divisions.

Silberschnitt

Silberschnitt® offers one of the world's largest product portfolios for glass cutting and breaking.

DIAMANTOR

The officially recognised Diamantor® brand offers specialised glass cutters and a wide range of diamond tools for smaller machines.

VERIBOR

For a long time Veribor® has been considered a byword for reliable and safe vacuum technology.

VERIFIX

In the Verifix® division, the glass professional will find products related to high quality, durable glass bonding, ranging from UV adhesives to fixing devices and metering systems.

BriteGuard®

With BriteGuard®, Bohle has succeeded in developing a surface protection system which sets new trends.

Ways to order at a glance



Telephone / Fax

Monday - Friday 8:00 am - 5:00 pm

Telephone 0800 616151
Fax 0161 3440111

Prices

Please contact our sales team for prices or visit our Online Shop at www.bohle-group.com.*



Internet

www.bohle-group.com

24 hours / 365 days

Prices

View prices and UK stock level information.
Special offer details available in our Online Shop*.

Shipping

90% of all goods are shipped within 18 hours of receipt of order.*

Shipping

Preferred same-day shipping of online orders received by 2:00 PM.*

Shipping Costs

Orders over £150 (€ 200) excluding VAT are delivered free on our standard service.* UK mainland only. Orders below this value carry a £9.95 (or € 15.00) small order fee. Shipping surcharge applies to deliveries to residential addresses and offshore locations. Express deliveries are available - please enquire for the specific cost for your order. Shipping surcharges apply to bulky and long goods - please enquire.

With this catalogue, all previous catalogues and price lists - also for specific divisions - lose their validity.

*

- only applies to articles that are available from stock.
- valid only for deliveries Monday through Friday. It does not apply to Saturdays, Sundays or on local or bank holidays.
- only applies to parcel delivery by standard carrier, not to bulky or long goods despatched via forwarders.
- cannot be guaranteed when conditions or events occur that are due to force majeure, strikes, or other reasons beyond the control of Bohle.
- Bohle reserves the right to change or discontinue this delivery option or the service itself at any time.



What happens after ordering?

Despatch

We deliver your order directly to your premises. We make sure our products arrive safely and well packed. The goods are insured against transport risks - without additional costs to you!

However, should the delivery appear to be damaged on arrival please either refuse delivery or accept and sign 'damaged'. Please contact our office immediately. It is important that you take the necessary steps in case of damage (see "What to do in case of damage"). We choose the least expensive and quickest mode of despatch for you.

Delivery time

It is our aim to despatch your order as quickly as possible. Orders received via the Bohle Online Shop will be given priority handling: For orders received before 2.00 pm, stocked items will be despatched the same day.*

Self Collection

Self Collection: Mondays to Friday 9.00am – 3.30pm

If possible, please place your order by fax or phone prior to collection. We will then confirm availability and prepare the goods for pick-up within the above times.

Return of goods

Goods ordered incorrectly or ordered in excess may be returned as long as they are unused, in their original packaging and in flawless condition. The return of goods requires considerable time and effort. For this reason we will charge 20% of the net invoice amount or £20, whichever the greater. Do not return any goods without our prior agreement – please contact our sales team first. Please pack securely and clearly label all items to be returned.

Thank you!

* - only applies to articles that are available from stock., - valid only for deliveries Monday through Friday. It does not apply to Saturdays, Sundays or on local or bank holidays. - only applies to parcel delivery by standard carrier, not to bulky or long goods despatched via forwarders. - cannot be guaranteed when conditions or events occur that are due to force majeure, strikes, or other reasons beyond the control of Bohle. - Bohle reserves the right to change or discontinue this delivery option or the service itself at any time.

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Glass Cutting & Glass Breaking

One of the first steps when processing glass is cutting large panes into smaller units. By scoring the glass surface, tensions in the glass are released and lead to the break when bending the pane in a controlled manner - either by hand or with a tool. Only when using a suitable tool is it guaranteed that the glass breaks precisely where desired.

Products for cutting and breaking glass were the first items Josef Bohle started producing in 1923. Since then brand names like Silberschnitt® and Diamantor® have gained a world-wide reputation and today are still Bohle's core competence. In this product range you will find one of the world's largest selections of products for cutting and breaking flat glass.



The Silberschnitt® System 2000

Whether cutting circles, ovals, segments, lateral and corner cut-outs or thick glass, with the Silberschnitt® System 2000, a single glass cutter serves as the basis for all your applications. Products which are part of this versatile system are identified on the following pages by the Silberschnitt® 2000 logo.



Oil Glass Cutters

A proper cut requires cutting fluid - to open the cut more easily (the cutting fluid penetrates into the fissure) and to lubricate the wheel and axle. Make your daily work easier with glass cutters with integrated reservoir for cutting fluid.

Silberschnitt® 2000 Oil Glass Cutters - Perfect Cutting of any Glass

This unique oil glass cutter is the basis of the Silberschnitt® 2000 system. It can be configured individually and is therefore ideal for complicated applications - whether for thick or thin glass, shaped or straight cuts. Ideal especially in combination with the ergonomically shaped T-handle.

▶ Oil Glass Cutter Silberschnitt® 2000 MASTER



Perfect glass cutting · optimal application of cutting fluid ensures smooth glass breaking · 2-valve technology · round cutting head · trailing, exchangeable Toplife cutting wheels · sturdy brass handle · for shape and straight cutting

i Cutting angle 155° · Straight edge stand-off distance 6 mm · Glass thickness 6 - 15 mm

Art. No.

BO 2000.M

▶ Oil Glass Cutter Silberschnitt® 2000 STANDARD

ALUMINUM



Perfect glass cutting · optimal application of cutting fluid ensures smooth glass breaking · 2-valve technology · round cutting head · trailing, exchangeable Toplife cutting wheels · sturdy brass handle · for shape and straight cutting

i Cutting angle 145° · Straight edge stand-off distance 6 mm · Glass thickness up to 6 mm

Art. No.

BO 2000.S

Oil Glass Cutter

▶ Oil Glass Cutter Silberschnitt® 2000 POWER

ALUMINUM



Perfect glass cutting · optimal application of cutting fluid ensures smooth glass breaking · 2-valve technology · round cutting head · trailing, exchangeable Toplife cutting wheels · sturdy brass handle · for shape and straight cutting

i Cutting angle 158° · Straight edge stand-off distance 6 mm · Glass thickness up to 19 mm

Art. No.

Description

BO 2000.P

Silberschnitt® 2000.P POWER Oil Glass Cutter

▶ Spare Wheel Holder Silberschnitt® 2000

ALUMINUM



For Silberschnitt® 2000 oil glass cutters and circle cutters

Art. No. Glass thickness · Cutting angle · Description

BO 2449.0 0.8 - 2 mm · Wheel holder 120°

BO 2449.1 1 - 2 mm · Wheel holder 127°

BO 2449.2 2 - 4 mm · Wheel Holder 135°

BO 2449.3 3 - 5 mm · Wheel holder 140°

BO 2449.4 4 - 6 mm · Wheel holder 145°

BO 2449.5 4 - 8 mm · Wheel holder 150°

BO 2449.6 6 - 12 mm · Wheel holder 155°

BO 2449.7 12 - 19 mm · Wheel holder 158°

BO 2449.8 19 - 25 mm · Wheel holder 160°

BO 2449.9 19 - 25 mm · Wheel holder 165°

BO 2449.10 Set with all 10 cutting angles

BO 2449.11 Set 135°, 145°, 155°, 158°

▶ Transverse Handle for Oil Glass Cutters Silberschnitt®



Ergonomic transverse handle for optimum application of higher cutting pressure · can be fitted to the metal models of Silberschnitt® oil glass cutters of the series 2000 and 5000 as well as BO 448.8 · individually adjustable to hand size

Art. No.

BO 2045.0

Transverse Handle for Silberschnitt® Oil Glass Cutters

Silberschnitt® 5000 Oil Glass Cutter - Optimum Cut at Low Cost

The new Silberschnitt® 5000 oil glass cutter is equipped with a Toplife carbide cutting wheel with improved cutting characteristics. The precisely tailored cutting angle and grind ensure optimum cutting results with extraordinary edge quality. The cutting head is manufactured from wear resistant materials in a specialised procedure and stands out due to its service life which is up to twice as long as similar products. The Silberschnitt® 5000 oil glass cutter exhibits a smooth oil flow even under the toughest working conditions. Available with brass or plastic reservoir.

▶ Oil Glass Cutter Silberschnitt® 5000 brass handle



Silberschnitt



Brass handle with improved cutting characteristics · wide cutting head · original Toplife quality with considerably extended service life · Excellent value for money!

i Cutting angle 140° · Straight edge stand-off distance 2.5 mm · Wide cutting head

Art. No.	Description
BO 5000.0	brass handle

▶ Oil Glass Cutter Silberschnitt® 5000 plastic handle



Silberschnitt



Transparent blue plastic handle with improved cutting characteristics · wide cutting head · original Toplife quality with considerably extended service life · Excellent value for money!

i Cutting angle 140° · Straight edge stand-off distance 2.5 mm · Wide cutting head

Art. No.	Description
BO 5001.0	plastic handle

▶ Spare Cutting Head Silberschnitt® 5000



For all Silberschnitt® oil glass cutters and speed cutters



i Cutting angle 140° · Straight edge stand-off distance 2.5 mm

Art. No.	Description · Cutting angle · Cutting head
BO 5010.0	Spare Cutting Head · 140° · wide

▶ Oil Glass Cutter Silberschnitt® 4000 Active Plus



For cutting coated glass · “Active” grind prevents the cutting wheel from becoming clogged by the glass coating

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Wide cutting head

Art. No.	
BO 4000.0EA	Oil Glass Cutter

▶ Cutting Head Silberschnitt® Active Plus



For cutting coated glass · “Active” grind prevents the cutting wheel from becoming clogged by the glass coating

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm

Art. No.	
BO 5010.3	Silberschnitt® Cutting Head Active Plus

▶ Oil Glass Cutter Silberschnitt® 4000



Brass handle with finger grips

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Cutting head turns 30° · Narrow cutting head

Art. No.	Description · Cutting angle
BO 4000.1	Oil Glass Cutter
BO 4010.1	Spare cutting head, narrow · 138°

▶ Oil Glass Cutter Silberschnitt® 4000



Transparent blue plastic handle

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Cutting head turns 30° · Narrow cutting head

Art. No.	Description · Cutting angle
BO 4001.1	Oil Glass Cutter
BO 4010.1	Spare cutting head, narrow · 138°

▶ Cutting Head Silberschnitt®



For all Silberschnitt® oil glass cutters and speed cutters

i Cutting angle 138°

Art. No.	Description · Cutting angle
BO 4010.1	Spare cutting head, narrow · 138°

Renowned Silberschnitt® Oil Glass Cutters

The proven Silberschnitt® oil glass cutters with traditional handle or with rubber support collar are also available with cutting heads from the 4000 series. A tremendous improvement for cutting quality and service life!

Oil Glass Cutter Silberschnitt® for Lead Glazing



With replaceable cutting head · high-quality carbide cutting wheel · plastic handle with transparent oil reservoir · solid brass finger grip · traditional shape · the larger cutting wheel serves as a guiding aid when cutting with templates.

i Cutting angle 127° · Straight edge stand-off distance 2.5 mm

Art. No.	Description · Cutting angle
BO 441.5	Narrow cutting head · 127°
BO 4010.5	Narrow cutting head

Oil Glass Cutter Silberschnitt®



With replaceable, wide cutting head · high quality carbide cutting wheel · plastic handle with transparent oil reservoir · solid brass finger grip · traditional shape

i Cutting angle 140° · Straight edge stand-off distance 2.5 mm

Art. No.	Description · Cutting angle · Cutting head
BO 441.0	Swivelling cutting head 30°
BO 441.2	Fixed cutting head
BO 5010.0	Spare Cutting Head · 140° · wide

Oil Glass Cutter Silberschnitt®



With replaceable cutting head · carbide cutting wheel · solid brass model with rubber collar · option: BO 2045.0 transverse handle

i Cutting angle 138/140° · Straight edge stand-off distance 2.5 mm · Cutting head turns 30°

Art. No.	Description · Cutting angle · Cutting head
BO 448.8	Wide cutting head · 140°
BO 447.8	Narrow cutting head · 138°
BO 5010.0	Spare Cutting Head · 140° · wide



Bohle Speed Cutter

For quick and easy cutting of large glass panes · with integrated supply of cutting fluid and Silberschnitt® cutting head with Toplife cutting wheel

i Cutting angle 138°



Art. No.	Cutting width · Description · Cutting angle
BO 4580.0	110 - 600 mm
BO 4580.1	110 - 1200 mm
BO 4580.2	110 - 1800 mm
BO 4580.5	Spare cutting head, complete
BO 4580.6	Spare roller
BO 4580.7	Spare Cutting Head 138°
BO 4580.145	Spare Cutting Head 145°
BO 4580.155	Spare Cutting Head 155°



Oil Glass Cutter Toyo

With "Tap" wheel

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Carbide cutting wheel



Art. No.	Model no. · Cutting Head · Handle
BO 6021294	TC17VVB · wide · brass
BO 6021295	TC17VVP · wide · transparent plastic
BO 6021201	TC10B · slimline · brass
BO 6021204	TC 1 P · slimline · transparent plastic
BO 6021203	Spare cutting head, narrow
BO 6021296	Spare cutting head, wide

Glass Cutters with Carbide Wheels

Carbide metal cutting wheels are a prerequisite for achieving good cutting results and a long service life. Bohle's long experience in the production of these wheels leads to high quality products for various applications.

▶ Special Glass Cutter Silberschnitt® 2000

Silberschnitt
2000



Glass cutter in Silberschnitt® 2000 quality · Toplife cutting wheel · plastic handle with traditional glazier's shape · can be placed underneath the score to break the glass · very lightweight cutting head made of special alloy · very fine, smooth cutting · an ideal all-purpose glass cutter · wheels not exchangeable

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Glass thickness 2 - 6 mm

Art. No.	Plastic Handle
BO 2004.0	blue
BO 2004.01	orange

▶ Carbide Glass Cutter Silberschnitt®

Silberschnitt



Wooden handle · replaceable, tempered turret · especially selected carbide metal guarantees high wear resistance · especially suitable for thick or hard glass

i Cutting angle 135° · Straight edge stand-off distance 2.5 mm · Carbide Cutting Wheels 5 mm ø

Art. No.	Description
BO 400.0	Carbide Glass Cutter

▶ Carbide Glass Cutter Silberschnitt®

Silberschnitt



Carbide cutting wheel for thin and/or hard glass · little cutting pressure required · especially suitable for technical glass like Ceran and Tempax or glass resistant to high temperature changes

i Cutting angle 120°

Art. No.	Description
BO 400.1	Carbide glass cutter

▶ Carbide Glass and Tile Cutter Silberschnitt®

Silberschnitt



Ergonomic plastic handle especially for cutting tiles with strong pressure · replaceable, hardened turret with a carbide cutting wheel ø 5 mm

i Cutting angle 135° · Straight edge stand-off distance 2.5 mm

Art. No.	Description
BO 410.0	Carbide Glass and Tile Cutter

▶ Carbide Wheels Silberschnitt® Basic



For glass cutters BO 400.0, BO 410.0 and BO 400.1

i Grind Basic · Diameter 5 mm · Thickness 1 mm · Bore hole 1.3 mm

Art. No.	Bracket · Grind · Sales unit
BO 02B120	120° · Basic · 10 items
BO 02B135	135° · Basic · 10 items
BO 02B120H	120° · 100 items · BO 400.1
BO 02B135H	135° · 100 items · BO 400.0 / 410.0

▶ Spare Turret Silberschnitt®

Silberschnitt



For glass cutters BO 400.0, BO 410.0 and BO 400.1

i Carbide Cutting Wheels with 5 mm ø

Art. No.	Cutting angle · Sales unit
BO 401.120	120° · 10 items
BO 401.135	135° · 10 items

▶ Container for Glass Cutters



Made of aluminium for safe storing

Art. No.	
BO 671.1	Container for Glass Cutters

▶ Carbide Glass Cutter Diamantor®

DIAMANTOR



i Cutting angle 135° · Straight edge stand-off distance 2.5 mm

Art. No.	
BO 260.0	Carbide Glass Cutter

▶ Thick Glass Cutter Silberschnitt® 2000




Higher cutting pressure · ball-bearing, trailing wheel holder · cutting wheel in Toplife quality · with round cutting head and rotating handle

i Cutting angle 158° · Straight edge stand-off distance 6 mm · Glass thickness up to 19 mm

Art. No.	Description · Glass thickness · Cutting angle
BO 2003.0	Thick Glass Cutter
BO 2449.7	12 - 19 mm · Wheel holder 158°

▶ Glass Tube Cutter



Nickel-plated · for glass tubes of 4 - 30 mm diameters

i Cutting angle 90°

Art. No.	Description · Cutting angle
BO 5000117	Glass Tube Cutter
BO 5000118	Spare Wheels 90°

Glass Cutters with Steel Wheels

Cutting wheels made of hardened steel were the first items Josef Bohle started to produce in 1923. Some of the best known and most widely produced glass cutters around the world - like the legendary 100.0 - are equipped with them. Glass cutters with steel wheels provide a particularly economical way of cutting glass.

▶ Glass Cutters Silberschnitt®



Six cutting wheels made of alloyed steel and tempered by a patented method guarantee high cutting quality and long service life. Turrets and cutting heads are nickel-plated. An oil-soaked felt ring supplies lubrication for wheels and axles. The handle is produced exclusively from ecologically controlled and approved varieties of wood. The Silberschnitt® glass cutters are particularly economical because wheels and turrets are replaceable. This cutter is suitable for general cutting.

i Cutting angle 130° · Straight edge stand-off distance 2.5 mm · Glass thickness 3 - 10 mm · Packaging unit 12 items

Art. No.
BO 100.0

The original glass cutter!

Proven a million times over and known worldwide. One of the best selling glass cutters in the world!



Spare Turret Silberschnitt®

Silberschnitt



Suitable for Silberschnitt® glass cutters as well as circle cutter BO 516.0

i Cutting angle 130° · Packaging unit 12 items

Art. No.	Description
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BO 101.0	Spare turret Silberschnitt®
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Spare Wheels Silberschnitt®

Silberschnitt



Stainless steel, specially tempered · for all Silberschnitt® glass and circle cutters

i Cutting angle 130° · Packaging unit 120 items in a practical dispenser

Art. No.	Description
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BO 102.0	Spare Wheels
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Spare Wheels Silberschnitt®

Silberschnitt



Stainless steel · specially tempered · suitable for all Silberschnitt® glass and circle cutters · in a plastic bag

i Cutting angle 130° · Packaging unit 12 items

Art. No.	Description
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BO 102.1	Spare Wheels
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Glass Cutter Silberschnitt®



Heavy duty model

i Cutting angle 130°

Art. No.	Description
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BO 110.0	Glass Cutter
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Glass Cutter Diamantor®

DIAMANTOR



With rounded wooden handle · with one steel wheel

i Cutting angle 130° · Straight edge stand-off distance 1.5 mm · Packaging unit 12 items

Art. No.	Description
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BO 200.1	Glass Cutter
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Thick Glass Cutting

Cutting thick glass is continuously gaining in importance. However, it may cause problems depending on the glass quality and the expectations of the finished piece. The solution: Innovative Bohle products for thick glass processing. For cutting and opening cuts, for straight or shaped cuts - here you'll find everything you need!

▶ Thick Glass Cutting Kit in Aluminium Case



This kit contains all necessary tools for cutting circles and straight cuts in glass. For 25 mm glass we recommend wheel holder BO 2449.8 with 160° and glass tapper BO 710.1. Oil glass cutter BO 2000.P POWER and practical aluminium carrying case included.

i Glass thickness up to 25 mm · Diameter max. 120 cm

Art. No.

BO 2740.0

This set comprises the following items:

BO 2000.P	Oil Glass Cutter	1 pc.
BO 2045.0	Transverse Handle for Silberschnitt® Oil Glass Cutters	1 pc.
BO 702.0	Silberschnitt® Cut Running Pliers	1 pc.
BO 710.0	Silberschnitt® Cut Opening Tapper for Thick Glass	1 pc.
BO 521.0	Silberschnitt® Thick Glass Circle Cutter	1 pc.
BO 5002800	Silberschnitt® Cutting Fluid for Thick Glass	1 bottle
BO 5002810	Dispenser for Cutting Fluid	1 pc.

▶ Oil Glass Cutter Silberschnitt® 2000 POWER



Perfect glass cutting · optimal application of cutting fluid ensures smooth glass breaking · 2-valve technology · round cutting head · trailing, exchangeable Toplife cutting wheels · sturdy brass handle · for shape and straight cutting

i Cutting angle 158° · Straight edge stand-off distance 6 mm · Glass thickness up to 19 mm

Art. No.	Description
BO 2000.P	Silberschnitt® 2000.P POWER Oil Glass Cutter



Spare Wheel Holder



For Silberschnitt® 2000 oil glass cutters and circle cutters



Art. No.	Glass thickness · Cutting angle
BO 2449.7	12 - 19 mm · Wheel holder 158°
BO 2449.8	19 - 25 mm · Wheel holder 160°



Transverse Handle for Oil Glass Cutters Silberschnitt®



Ergonomic transverse handle for optimum application of higher cutting pressure · can be fitted to the metal models of Silberschnitt® oil glass cutters of the series 2000 and 5000 as well as BO 448.8 · individually adjustable to hand size



Art. No.	
BO 2045.0	Transverse Handle for Silberschnitt® Oil Glass Cutters



Thick Glass Cutting Sledge Set Silberschnitt® 2000



Used with special Bohle straight edges (10 mm) · used with the Silberschnitt® 2000.P POWER oil glass cutter (included), with its trailing wheel and integrated cutting fluid, excellent results are achieved. For 25 mm glass we recommend wheel holder BO 2449.8 with 160°.

i Glass thickness up to 25 mm

Art. No.	Description
BO 2720.0	Thick Glass Cutting Sledge Set

This set comprises the following items:

BO 2000.P	Oil Glass Cutter	1 pc.
BO 2045.0	Transverse Handle for Silberschnitt® Oil Glass Cutters	1 pc.
BO 5002800	Silberschnitt® Cutting Fluid for Thick Glass	1 bottle
BO 5002810	Dispenser for Cutting Fluid	1 pc.



Thick Glass Cutter Silberschnitt® 2000



Higher cutting pressure · ball-bearing, trailing wheel holder · cutting wheel in Toplife quality · with round cutting head and rotating handle

i Cutting angle 158° · Straight edge stand-off distance 6 mm · Glass thickness up to 19 mm

Art. No.	Description · Glass thickness · Cutting angle
BO 2003.0	Thick Glass Cutter
BO 2449.7	12 - 19 mm · Wheel holder 158°



Thick Glass Circle Cutter Silberschnitt®



High level of operational safety due to heavy-duty construction · the ball handle above the wheel holder ensures the even distribution of high cutting pressure

i Cutting angle 158° · Glass thickness 10 - 25 mm

Art. No.	Diameter · Glass thickness · Cutting angle
BO 521.0	20 - 120 cm
BO 521.1	20 - 180 cm
BO 521.5	Spare Sliding Cutting Head, plastic
BO 2449.7	12 - 19 mm · Wheel holder 158°

▶ Cut Running Pliers Silberschnitt®



Heavy-duty · all-metal construction · precisely adjustable to glass thickness · optimum distribution of pressure · Recommended: BO 702.5 for opening narrow strips

i Cutting length up to 6 m

Art. No.	Description · Glass thickness
BO 702.0	Cut Running Pliers · up to 25 mm
SP B0734.1	Spare plastic tip 10 x 14 mm
BO 702.5	Pressure Bar 80 x 12 mm ·

▶ Cut Opening Tapper for Thick Glass Silberschnitt®



Heavy-duty, all-metal construction · works according to striker principle · adjustable tapper force · for controlled breaking with clean edges, even in difficult cases

Art. No.	Glass thickness
BO 710.0	10 - 20 mm
BO 710.1	15 - 25 mm

▶ Cutting Fluid for Thick Glass Silberschnitt®



Optimum breaking results for glass thicknesses from 12 mm upwards · also for problematic thicknesses up to 25 mm · washable · good lubrication of cutting wheel

i Glass thickness 12 - 25 mm · Viscosity: approx. 5 mPas

Art. No.	Contents
BO 5002800	Especially suitable for thick glass cutting · 1 litre
BO 5002801	30 litres
BO 5002810	Dispenser for Cutting Fluid · 250 ml

Circle Cutters

Cutting circles requires high standards of cutting quality - especially when working with thick glass. Aside from the traditional circle cutters for "normal" glass thicknesses, Bohle offers a great variety of circle cutters for all kinds of applications.

▶ Circle Cutter Silberschnitt® System 2000



For use with oil glass cutters 2000.S, M or P · produces excellent cutting quality by trailing Toplife cutting wheels and integrated supply of cutting fluid · oil glass cutter and transverse handle are not included (please order separately).



Art. No.	Diameter
BO 2511.0	60 cm
BO 2514.0	120 cm
BO 2516.0	200 cm

▶ Circle Cutter Silberschnitt® with Ball-Bearing Cutting Head

Silberschnitt



Trailing carbide wheel in Toplife quality · improved break quality even for small radii · long service life · less cutting pressure

i Cutting angle 135° · Diameter min. 72 mm



Art. No.	Diameter · Glass thickness · Cutting angle · Description · Version
BO 511.5	60 cm
BO 511.51	24"
BO 514.5	120 cm
BO 514.51	48"
BO 516.5	200 cm
BO 516.51	80"
BO 2449.2	2 - 4 mm · Wheel Holder 135°
BO 518.5	Spare Wheel Holder · Metal
BO 519.5	Spare Suction Pad

▶ Circle Cutter Silberschnitt® with 6 Steel Wheels



Wheels and turret can be easily exchanged

i Cutting angle 130° · Diameter min. 72 mm



Art. No.	Diameter · Description
BO 511.0	60 cm
BO 511.1	24"
BO 514.0	120 cm
BO 514.1	48"
BO 516.0	200 cm
BO 516.1	80"
BO 518.0	Cutting Head for Circle Cutters
BO 101.0	Spare turret Silberschnitt®
BO 519.5	Spare Suction Pad
BO 101.0	Spare turret Silberschnitt®

▶ Segment Cutter Silberschnitt® System 2000



Cutting segments is now even simpler · adjustable for cuts · includes T-handle and Silberschnitt® 2000.S STANDARD oil glass cutter · creating a variety of template outlines is no longer necessary

i Radius 16 - 300 cm · Cutting angle 145° · Glass thickness up to 6 mm

Art. No.	Description
BO 2522.0	Segment Cutter

▶ Circle Cutter for Repetitive Cuts Silberschnitt®



Especially to cut small, round glass parts of 10 - 185 mm ø in series · trailing carbide cutting wheel with 155° cutting angle · different cutting angles for different glass thicknesses available separately · extension plates made of laminated paper only available separately

i Recommended: BO 701.5 - to nibble glass panes efficiently!

Art. No.	Description · Glass thickness · Cutting angle
BO 534.0	Circle Cutter
BO 2449.6	6 - 12 mm · Wheel holder 155°

▶ Circle Cutter Silberschnitt®



For precise cutting of large, round panes · turret with 6 steel wheels · easy mounting onto a base plate (not included)

i Cutting angle 130°

Art. No.	Diameter · Description
BO 530.0	30 cm
BO 532.0	60 cm
BO 518.1	Spare wheel holder Silberschnitt®



Circle Cutter Silberschnitt®



Ball-bearing · for small circles up to 9 cm ø · replaceable steel holder with Silberschnitt® carbide micro wheel for small radii

i Glass thickness up to 6 mm · Cutting angle 140°

Art. No.	Description · Version
BO 533.0	Circle Cutter
BO 415.0	Spare wheel holder, 140°
BO 518.2	Spare wheel holder · With wheel

Oval Cutters

No troublesome making of paper or wooden templates - ovals with individual dimensions are cut particularly easily with the renowned Silberschnitt® oval cutter (also suitable for circles). Equipped with the Silberschnitt® 2000 system with integrated supply of cutting fluid, the quality of the results is now even higher!



Circle and Oval Cutting Machine Silberschnitt® System 2000

Silberschnitt
2000



Precise cuts for either 22 - 122 cm or 9" - 48" · for glass up to 25 mm thick using different wheel holders · minimum diameter difference 6 cm · includes oil glass cutter 2000.S STANDARD 145°, T-handle, Jobo glass breaking device BO 705.0, cutting fluid, 2 felt-tip pens with adaptor · in practical aluminium case

Art. No.	Diameter · Description
BO 2550.0	22 - 122 cm
BO 2550.1	9 - 48"
BO 2551.0	Extension set 182 cm
BO 2551.1	Extension set 70"

Shape Templates

Cutting shapes is made considerably easier with the comprehensive range of Bohle templates, most of which are designed to be used with the Silberschnitt® 2000 system. Almost any difficult cutting problem therefore has a simple solution.

▶ Tool Kit for Corner Cut-Outs



Corner cut-outs can be produced quickly and effortlessly · no more troublesome drilling or sawing · reduces workload e.g. when producing toughened glass · for manual corner cutting in flat glass · comes in a practical storage case

i Radius 7 mm · Glass thickness 3 - 15 mm



Art. No.

BO 578.0

This set comprises the following items:

BO 078	Template for Corner Cut-Outs	1 pc.
BO 027	Silberschnitt® Cutting Fluid	1 Bottle
BO 2000.M	Oil Glass Cutter	1 pc.
BO 2449.4	Spare Wheel Holder for Silberschnitt® Oil Glass Cutter 2000, 145°	1 pc.
BO 2045.0	Transverse Handle for Silberschnitt® Oil Glass Cutters	1 pc.
BO 704.0	Silberschnitt® Cut Running Pliers	1 pc.

▶ Tool Kit for Lateral Cut-Outs



The combination of adjustable template, Silberschnitt® 2000 oil glass cutter with 360° revolving cutting head and cut opener makes lateral cut-outs possible · ideal for the production of toughened glass and shop fitting · includes case

i Radius 7 mm · Glass thickness up to 10 mm



Art. No.

BO 578.2

This set comprises the following items:

BO 078.2	Template for Lateral Cut-Outs	1 pc.
BO 027	Silberschnitt® Cutting Fluid	1 Bottle
BO 2000.M	Oil Glass Cutter	1 pc.
BO 2449.4	Spare Wheel Holder for Silberschnitt® Oil Glass Cutter 2000, 145°	1 pc.
BO 2045.0	Transverse Handle for Silberschnitt® Oil Glass Cutters	1 pc.
BO 706.0	Cut Opener Silberschnitt®	1 pc.



Template for Corner and Triangular Lateral Cut-Outs



Plastic · with 2 suction pads for secure fixing · stoppers adjustable for corner or lateral cut-outs · infinitely adjustable · corner cut-outs adjustable from 45 to 400 mm, lateral cut-outs adjustable from 45 to 350 mm

i Corner radius 7 mm

Art. No.

BO 078.1



Template for Corner Cut-Outs



Plastic · with 2 suction pads for secure fixing · infinitely adjustable from 45 to 175 mm

i Corner radius 7 mm

Art. No.

BO 078

Template for Corner Cut-Outs



Template for Lateral Cut-Outs



Plastic · 2 suction pads for secure fixing · infinitely adjustable from min. 40 x 10 mm to max. 240 x 100 mm

i Corner radius 7 mm

Art. No.

BO 078.2

Template for Lateral Cut-Outs



Radius Corner Template



With two suction pads for fixing · for use with glass cutter 2000.M, 2000.P or 2000.S

i Straight edge stand-off distance 6 mm · Radius 10 - 70 mm

Art. No.

BO 078.5

Radius Corner Template



Radius Corner Template



Plastic · for use with all standard glass cutters with 2.5 mm straight edge stand-off distance

i Radius 10 - 70 mm

Art. No.

BO 5000110

Radius Corner Template

Flexible Shape Template



For cutting shapes in glass · ideal for the repair of arched glass doors and windows · suitable for inner and outer arcs · held in place with suction holder BO 670.5 (please order separately) · Recommended: three suction holders for 90 cm, six suction holders for 180 cm

i Material made of flexible metal band

Art. No.	Length · Width
BO 5140509	90 cm · 40 mm
BO 5140518	180 cm · 40 mm

Suction Holder



For shape templates BO 5140509 / BO 5140518 · for fixing onto glass surfaces

Art. No.	Description
BO 670.5	Suction holder
BO 519.5	Spare Suction Pad

Segment Cutter Silberschnitt® System 2000

silberschnitt



Cutting segments is now even simpler · adjustable for cuts · includes T-handle and Silberschnitt® 2000.S STANDARD oil glass cutter · creating a variety of template outlines is no longer necessary

i Radius 16 - 300 cm · Cutting angle 145° · Glass thickness up to 6 mm

Art. No.	Description
BO 2522.0	Segment Cutter

Angle Measuring System



Plastic · for safe and efficient cutting of angles (20 - 160°) · stabilising bar

i Cutting side 95 cm · Scale 0 - 180°

Art. No.	Description
BO 075	Angle Measuring System

Template for Corner Cross Cutting



Adjustable angle · measuring scale on outer edges · angle made of one piece

i Bracket length up to 300 mm

Art. No.	Description
BO 560.0	Template for Corner Cross Cutting



Corner Radius Cutter



Adjustable angle · measuring scale on outer edges · angle made of one piece · additional scale on straight edge · centre of circle adjustable to bisecting line

i Bracket length up to 300 mm · Radius 35 - 200 mm · Cutting angle 130°

Art. No.	Description
BO 561.0	Corner Radius Cutter
BO 101.0	Spare turret Silberschnitt®

L-Squares and Straight Edges

L-squares and straight edges from Bohle are manufactured on high precision CNC machines to the highest possible tolerances. Accurately produced from high quality materials.

L-Squares

Bohle L-squares are made of especially wear-resistant synthetic material and are produced to exceed DIN norms for tolerances. Tolerances of EACH L-square are controlled before leaving our works. L-squares with special tolerances are available on request.



L-Squares Bohle without Brace



These L-squares made of high quality material have two pegs made of blue plastic allowing the glass edge to be fully visible when positioned. The light grey material provides good contrast to the black felt on the cutting table.

Please note:

All Bohle L-squares have better tolerances than those required per DIN 7168 and ISO 286/VSM58400.

Art. No.	Length · Width · Colour · Description
BO 029.5	30 cm · 17 cm · black
BO 029.00	30 cm · 17 cm · black · without pegs
BO 030.5	50 cm · 27 cm · grey
BO 031.5	60 cm · 27 cm · grey
BO 032.5	80 cm · 37 cm · grey
BO 033.5	105 cm · 37 cm · grey
BO 034.5	135 cm · 47 cm · grey
BO 035.5	150 cm · 47 cm · grey
BO 036.5	175 cm · 47 cm · grey

L-Squares Bohle with Brace, black



These L-squares are manufactured in one piece from high-quality material. The integrated brace ensures especially high precision.

Please note:

All Bohle L-squares have better tolerances than those required per DIN 7168 and ISO 286/VSM58400.

Art. No.	Length · Width · Description
BO 031.1	60 cm · 30 cm
BO 032.1	80 cm · 34 cm
BO 033.1	105 cm · 40 cm
BO 034.1	135 cm · 45 cm
BO 035.1	150 cm · 45 cm
BO 036.1	175 cm · 50 cm
BO 037.1	205 cm · 60 cm · bulky goods
BO 038.1	250 cm · 70 cm · bulky goods

Bohle Cutting Frame



Practical auxiliary device when cutting a series of equally dimensioned glass panes

Art. No.	Length
BO 070.040	40 cm
BO 070.060	60 cm
BO 070.080	80 cm
BO 070.100	100 cm

T-Square Bohle



Traditional T-square in standard quality · flat run-off ensures cuts all the way to the edge of the glass · easy to use

i Material ebonite

Art. No.	Length · Width
BO 6022026	1320 mm · 350 mm

Straight Edges

Bohle straight edges are available in different material thicknesses (4, 5 and 10 mm) as well as with or without integrated suction pads. For the fixing of straight edges without suction pads, we recommend the straight edge holder art. no. BO 670.0. All straight edges (10 mm) with integrated suction pads are suitable to be used with the Silberschnitt® cutting sledge art. no. BO 2720.0.

▶ Straight Edges Bohle with Integrated Suction Cups



Made of high-quality synthetic material · BO 051.xxx = 5 mm thick · BO 052.xxx = 10 mm thick, thus suitable for Silberschnitt® Cutting Sledge for thick glass BO 2720.0

Art. No.	Length · Width · Suction Cups
BO 051.152	150 cm · 8 cm · 2
BO 051.202	200 cm · 8 cm · 2
BO 052.203	200 cm · 8 cm · 3
BO 051.253	250 cm · 8 cm · 3
BO 052.253	250 cm · 8 cm · 3
BO 052.304	300 cm · 8 cm · 4
BO 052.355	350 cm · 8 cm · 5
BO 052.405	400 cm · 8 cm · 5

Please note:
Lengths of 2 m or longer
shipped by forwarding
agent

▶ Spare Suction Pad



For straight edges · complete with lever, washer and pin

Art. No.	
BO 051.01	Spare Suction Pad

▶ Straight Edges Bohle



Made of high-quality synthetic material

i Length 80 - 350 cm

Art. No.	Length · Width · Thickness
BO 042.0	80 cm · 5.5 cm · 4 mm
BO 044.0	130 cm · 6.0 cm · 4 mm
BO 045.0	150 cm · 8.0 cm · 5 mm
BO 046.0	200 cm · 8.0 cm · 5 mm
BO 046.1	200 cm · 7.0 cm · 10 mm
BO 047.0	250 cm · 8.0 cm · 5 mm
BO 047.1	250 cm · 7.0 cm · 10 mm
BO 048.0	300 cm · 7.0 cm · 10 mm
BO 049.0	350 cm · 7.0 cm · 10 mm

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

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

Felt Cloth for Cutting Tables



i Width 200 cm · Thickness 4 mm · Weight 800 g/m² · Colour black

Art. No.	Description
BO 2300005	Felt Cloth for Cutting Tables

Spray Adhesive 77



Specially for bonding glazier's felt to cutting tables · universal use, sticks immediately, does not bleed through and is resistant to heat and ageing · free of fluorocarbons · for added safety no solvents have been used which are classed as toxic per Ordinance on Hazardous Substances · one can covers approx. 5 m²

Art. No.	Contents
BO 3202070	500 ml

Please note:

You will find more framing products on our website at www.bohle-group.com.

Cutting Fluids

Due to its viscosity and special characteristics, cutting fluid penetrates deep into the cut and keeps it "warm", which leads to considerably improved breaking results. Furthermore, the fluid lubricates the wheel and the axle and binds glass dust which forms when cutting. Suitable for oil glass cutters as well as glass cutters without integrated oil reservoir. Also available for automatic cutting.



Cutting Fluid Silberschnitt®



Ensures a soft, precise break · binds glass particles · consistently unhindered run of wheel · low surface tension allows easy penetration into the cut

Art. No.	Contents · Description
BO 027	50 ml · Dispenser bottle
BO 026	1 litre · for manual cutting
BO 5002805	30 litres · evaporating
BO 5002810	Dispenser for Cutting Fluid · 250 ml

Please note:

It is very important to use sufficient cutting fluid, particularly when cutting thick glass.



Cutting Fluid for Thick Glass Silberschnitt®



Optimum breaking results for glass thicknesses from 12 mm upwards · also for problematic thicknesses up to 25 mm · washable · good lubrication of cutting wheel

i Glass thickness 12 - 25 mm · Viscosity: approx. 5 mPas

Art. No.	Contents
BO 5002800	Especially suitable for thick glass cutting · 1 litre
BO 5002801	30 litres
BO 5002810	Dispenser for Cutting Fluid · 250 ml

Cut Running Pliers

Initial breaking and completely opening the cut is best done with cut running pliers, which are normally used from the end of the cut. Depending on the glass thickness and the complexity of the cut, Bohle offers different tools which guarantee excellent cutting results and breaking edges. These Bohle tools are also suitable for shaped cuts!

▶ Cut Running Pliers Silberschnitt®

© Bohle



Heavy-duty · all-metal construction · precisely adjustable to glass thickness · optimum distribution of pressure · Recommended: BO 702.5 for opening narrow strips

i Cutting length up to 6 m

Art. No.	Description · Glass thickness
BO 702.0	Cut Running Pliers · up to 25 mm
SP B0734.1	Spare plastic tip 10 x 14 mm
BO 702.5	Pressure Bar 80 x 12 mm

▶ Cut Running Pliers Silberschnitt®



All-metal · with adjustment screw to set to individual glass thickness · optimum load transmission · also ideal to open straight cuts, corner cut-outs, etc. · Recommended: BO 704.5 for opening narrow strips

Art. No.	Description · Glass thickness
BO 704.0	Cut Running Pliers · 6 - 15 mm
SP B0734.1	Spare plastic tip 10 x 14 mm
BO 704.5	Pressure Bar 60 x 12 mm

▶ Cut Opener Silberschnitt®



For complicated cuts · ideal for opening corner, lateral or other shaped cuts · turnable pressure ring for optimum adjustment to all cuts · max. reach 100 mm

i Glass thickness 6-10 mm

Art. No.	Glass thickness
BO 706.0	6 - 10 mm



Cut Running Pliers



i Glass thickness 3 - 8 mm · Length 230 mm

Art. No.	Description
BO 5009636	Cut Running Pliers
BO 5009637	Spare plastic tip · set of 3 pieces



Cut Running Pliers



With adjustment screw · centre mark on upper jaw · especially suitable for breaking narrow strips

i Glass thickness 3 - 5 mm · Length 200 mm · Jaw width 24 mm

Art. No.	Description
BO 5008800	Cut Running Pliers

Glass Breaking Pliers

Bohle glass breaking pliers made of high quality materials are suitable for a large variety of applications. Like all Bohle glass tools - great quality and exceptional accuracy!



Radius Glass Breaking Pliers



Ideal for rounding off corners of glass sheets quickly and easily before final polishing · precise break and long service life due to diamond polished jaws

i Colour black

Art. No.	Radius
BO 5008233	10 mm
BO 5008234	20 mm
BO 5008235	30 mm



Glass Breaking Pliers Made in Germany



Plastic coated handles · ground head · Made in Germany

i Colour black · Length 200 mm · Jaw width 24 mm

Art. No.	Description
BO 5008020	Glass Breaking Pliers



Glass Breaking Pliers Made in Germany



Plastic coated handles · ground head · Made in Germany

i Length 180 mm · Jaw width 24 mm · Colour black

Art. No.

BO 5008118

Glass Breaking Pliers



Glass Breaking Pliers Made in Germany



Lacquered blue · ground head · Made in Germany

i Colour blue · Length 200 mm · Jaw width 20 mm

Art. No.

BO 5008120

Glass Breaking Pliers



Glass Breaking Pliers Made in Germany



With bent jaw · plastic coated handles · Made in Germany

i Length 200 mm · Jaw width 20 mm · Colour blue

Art. No.

BO 5008220

Glass Breaking Pliers



Glass Breaking Pliers Made in Germany



With drop jaw · plastic coated handles · ground head · Made in Germany

i Length 180 mm · Jaw width 14 mm

Art. No.

BO 5008218

Glass Breaking Pliers



Glass Breaking Pliers

Heavy-duty · with especially long handles · hand forged



i Length 380 mm · Glass thickness up to 20 mm

Art. No.

BO 5009638

Glass Breaking Pliers

Please note:

Further cut running pliers, glass nibbling pliers and grozing pliers can be found from page 43.



Glass Cutters

▶ Special Glass Cutter Silberschnitt® 2000

Silberschnitt® 2000



Glass cutter in Silberschnitt® 2000 quality · Toplife cutting wheel · plastic handle with traditional glazier's shape · can be placed underneath the score to break the glass · very lightweight cutting head made of special alloy · very fine, smooth cutting · an ideal all-purpose glass cutter · wheels not exchangeable

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Glass thickness 2 - 6 mm

Art. No.	plastic handle
BO 2004.0	blue
BO 2004.01	orange

▶ Special Glass Cutter Silberschnitt® 2000

Silberschnitt® 2000



For efficient cutting of large quantities of equally wide glass strips · adjustable strip width · for right or left handers

i Strip width max. 2 cm · Cutting angle 138°

Art. No.	Stopper
BO 2005.0R	right
BO 2005.0L	left

▶ Oil Glass Cutter Silberschnitt® for Lead Glazing



With replaceable cutting head · high-quality carbide cutting wheel · plastic handle with transparent oil reservoir · solid brass finger grip · traditional shape · the larger cutting wheel serves as a guiding aid when cutting with templates.

i Cutting angle 127° · Straight edge stand-off distance 2.5 mm

Art. No.	Description · Cutting angle
BO 441.5	Narrow cutting head · 127°
BO 4010.5	Narrow cutting head

▶ Carbide Oil Glass Cutter Silberschnitt® Easy Grip



Blue plastic handle · with transparent reservoir to check oil supply · adjustable length of handle

i Cutting angle 138° · Narrow cutting head

Art. No.	Description · Cutting angle
BO 444.0	Easy Grip
BO 4010.1	Spare cutting head, narrow · 138°

▶ Carbide Glass Cutter Silberschnitt® Easy Grip



Plastic handle · length individually adjustable to hand size · carbide cutting wheel for opalescent or hard glass · spare cutting heads BO 427.2 + BO 427.3

i Cutting angle 120°

Art. No.	Colour · Description · Cutting angle
BO 424.0	grey
BO 428.0	green · integrated guide piece for straight-edge cutting
BO 427.2	Spare Cutting Head · 120°
BO 427.3	Spare Cutting Head · 135°

▶ Glass Cutter Silberschnitt® Easy Grip



Red plastic handle · with economic cutting wheel made of special steel · integrated guide piece for cutting along straight edges · self-service packing

i Cutting angle 120°

Art. No.	Description
BO 128.01	Easy Grip
BO 128.1	Spare Cutting Head
BO 128.1	Spare Cutting Head

▶ Oil Glass Cutter Silberschnitt®



Fitted with high-quality carbide cutting wheel · solid brass model with rubber collar · With replaceable cutting head

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Narrow cutting head · Cutting head turns 30°

Art. No.	Description · Cutting angle
BO 447.8	Narrow cutting head · 138°



Glass Cutter Diamantor®

DIAMANTOR



With rounded wooden handle · with one steel wheel

i Cutting angle 130° · Straight edge stand-off distance 1.5 mm · Packaging unit 12 items

Art. No.	Description
BO 200.1	Glass Cutter



Oil Glass Cutter Silberschnitt® 4000

Silberschnitt



Brass handle with finger grips

i Cutting angle 138° · Straight edge stand-off distance 2.5 mm · Cutting head turns 30° · Narrow cutting head

Art. No.	Description · Cutting angle
BO 4000.1	Oil Glass Cutter
BO 4010.1	Spare cutting head, narrow · 138°



Oil Glass Cutter Toyo



Narrow cutting head · Carbide Cutting Wheels

i Straight edge stand-off distance 2.5 mm · Cutting angle 138°

Art. No.	Model no. · Cutting Head · Handle
BO 6021201	TC10B · slimline · brass
BO 6021204	TC 1 P · slimline · transparent plastic
BO 6021203	Spare cutting head, narrow

Cutting and Breaking Aids



Circle Cutter for Repetitive Cuts Silberschnitt®



Especially to cut small, round glass parts of 10 - 185 mm ø in series · trailing carbide cutting wheel with 155° cutting angle · different cutting angles for different glass thicknesses available separately · extension plates made of laminated paper only available separately

i Recommended: BO 701.5 - to nibble glass panes efficiently!

Art. No.	Description · Glass thickness · Cutting angle
BO 534.0	Circle Cutter
BO 2449.6	6 - 12 mm · Wheel holder 155°

▶ Silberschnitt® Roll-up Workplace



The mobile, roll-up workplace for glass artists and hobbyists · uses: work mat, strip cutter, circle cutter, trapezoid cutter · includes guide rail, strip and circle cutter, turret with 1 carbide cutting wheel 135° and detailed instruction manual

Art. No.	Description
BO 536.0	Silberschnitt® Roll-up Workplace
SP 3603.01	Spare Cutting Head

▶ Geo-Master Silberschnitt®



Efficient cutting of glass: strips, parallelograms, mitres, diamond shapes, trapezoids, hexagons, octogons, for decorative wall lamps, star motifs, for small greenhouses, etc.

Art. No.	Description
BO 536.1	Geo-Master

▶ Cut Running Pliers and Pressure Bars



Even very narrow strips can be opened with the continuous pressure bar.

Art. No.	Description · Glass thickness
BO 702.0	Cut Running Pliers · up to 25 mm
BO 702.5	Pressure Bar 80 x 12 mm ·
BO 704.0	Cut Running Pliers · 6 - 15 mm
BO 704.5	Pressure Bar 60 x 12 mm

▶ Glass Breaking Device Jobo®



Helpful for opening circular or oval cuts or for breaking off strips by hand or on the table · for controlled breaks without risk of injury · the long sides have different curves · numbers indicate the curve on the opposite side

i Glass thickness up to 6 mm

Art. No.	Description
BO 705.0	Glass Breaking Device Jobo®

▶ Joker Silberschnitt®



When breaking, distributes pressure and counter-pressure evenly over the surface, ensuring controlled and safe breaking of the glass · non-slip rubber

i Glass thickness up to 5 mm · Length 90 mm · Width 60 mm · Height 3 mm

Art. No.	Description
BO 707.0	Joker

Glass Running Pliers Ringstar

Glass running pliers made of high-quality plastic. A window affords optimum sight of the cut.



Art. No.

TG H120	Ringstar
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Replacement Parts Set for Ringstar



Art. No.

TG H120A	Replacement Parts Set for Ringstar
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Cut Running Pliers Silberschnitt®

For Tiffany and art glass work · turnable pressure bar · splinter-free breaking of inner curves and narrow strips of glass · pressure bar and plate available as spare parts



i Glass thickness up to 5 mm

Art. No.	Description
BO 700.0	Cut Running Pliers
SP 7002	Spare pressure plate
SP 7003.01	Spare pressure bar

Grozing Pliers

For removing smaller glass parts, Bohle offers a large range of grozing and glass nibbling pliers suitable for a variety of applications.

Grozing Pliers Made in Germany



Lacquered black · easy grozing · especially for holes (e.g. speak holes) · Made in Germany

i Length 200 mm · Glass thickness up to 8 mm

Art. No.

BO 5008320	Grozing Pliers
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Grozing Pliers Silberschnitt® Made in Germany



Plastic coated handles · ground head · ideal for art glass work · small contact area · little strength required · less risk of breaking · Made in Germany

i Length 160 mm · Jaw width 4 mm

Art. No.

BO 089

Grozing Pliers



Grozing Pliers Knipex Made in Germany

For art glazing · plastic coated handles · ground head · Made in Germany

i Length 160 mm · Jaw width 9.5 mm

Art. No.

BO 5008300

"KNIPEX" Grozing Pliers



Grozing Pliers

Return spring

i Jaw width 9.5 mm



Art. No.

TG 22210

Grozing Pliers



Grozing Pliers

Return spring

i Jaw width 4 mm



Art. No.

TG TR027

Grozing Pliers



Glass Nibbling Pliers Silberschnitt® with Carbide Cutting Wheel



For efficient nibbling of glass shapes · after the surface of the wheel has worn out, the wheel can be turned and reused.

Art. No.

BO 701.5

Description

Glass Nibbling Pliers

BO 703.1

Spare cutting wheel



Glass Nibbling Pliers

With carbide jaws · lacquered · handles plastic coated · easy nipping of small glass parts · ideal for working on edges



Art. No.

BO 5009520

Glass Nibbling Pliers



Glass Nibbling Pliers

Drop forged nibbling pliers with riveted hinge for mosaic work · black body · handles plastic coated



Art. No.	Description
BO 5008400	Glass Nibbling Pliers
BO 5008401	Spare cutting wheel

Zag-Zag Pliers

The term Zag-Zag was invented by Bohle and stands for “cutting” pieces of glass with scissor-like ease, for professionals, glass artists and hobbyists.



Glass Nibbling Pliers Zag-Zag

“The red one” · the all-purpose tool for universal Tiffany and mosaic work · with spring joint and splinter bag · for the correction of breaking edges on outer radii · cuts like scissors!



Art. No.	Description
BO 703.01	Glass Nibbling Pliers
BO 703.1	Spare cutting wheel
SP B0803	Spare spring joint



Glass Nibbling Pliers Zag-Zag

“Professional” · a top quality tool · the professional pliers for the most demanding art glass requirements · with splinter bag · for Tiffany and art glass work · easy cutting of small glass parts



Art. No.	Description
BO 701.0	Glass Nibbling Pliers Zag-Zag
BO 701.1	Spare cutting wheel
BO 701.9	Splinter tray, complete



Glass Nibbling Pliers Zag-Zag

“Junior” · the basic model for beginners · with spring joint and splinter deflector · for the correction of breaking edges on outer radii · cuts like scissors!



Art. No.	Description
BO 703.5	Glass Nibbling Pliers Zag-Zag
SP B0856	Spare cutting wheel

Scalloping Tool

This practical and universally usable tool has already become indispensable for many users. The quick and efficient processing of glass edges, especially for thick glass, results in visually and financially attractive results.

▶ Scalloping Tool Silberschnitt® for Edge Decoration



▼ Features

Quickly produces a regular scalloped design on edges of flat glass without the need for expensive machinery. The depth and width of the scallops can be adjusted to the desired dimensions regardless of the glass thickness. Again and again, new glass edges can be produced and, each piece being unique and handmade, they allow a substantial profit margin for you: No two pieces are the same!

Art. No.	Description · Glass thickness
BO 719.0	Scalloping Tool · 3 - 25 mm
BO 719.1	Spare chisel

Automatic Glass Cutting

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Silberschnitt



Automatic Glass Cutting

One of the major benefits of carbide steel is that it features a service life which is several times longer than the life of conventional steel wheels. Furthermore, carbide cutting wheels have consistently good cutting

properties which produce clean cut edges for different glass thicknesses. A similar development can be seen with PCD (polycrystalline diamond). Bohle continuously invests in the research and development of glass

cutting technology. New materials are being tested both in our own laboratory and also in day-to-day practice in trial plants.

You will find more products and further information at www.bohle-group.com.



01 | Cutting Wheels

Carbide Cutting Wheels

Silberschnitt® cutting wheels are available in a variety of different dimensions, cutting angles and grinds. Here you can find a range of the most commonly used types. All wheels are made of high quality carbide metals, are accurately manufactured with high precision machinery and deliver excellent cutting results and long service life.

▶ Silberschnitt® Carbide Cutting Wheels 06



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 06B135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 06B000, and the cutting angle in the text of your order · suitable carbide axle BO 496.080 · suitable carbide holder BO 432.6

i Diameter 2.5 mm · Thickness 0.65 mm · Bore hole 0.80 mm

Art. No.	Angle · Grind · Sales unit
BO 06B135	135 ° · Basic · 10 items
BO 06B140	140 ° · Basic · 10 items
BO 06B145	145 ° · Basic · 10 items
BO 06B150	150 ° · Basic · 10 items
BO 06A000	Active · 10 items
BO 06B000	Basic · 10 items
BO 06C000	Contact Plus · 10 items
BO 06A000H	Active · 100 items
BO 06B000H	Basic · 100 items
BO 06C000H	Contact Plus · 100 items

▶ Silberschnitt® Carbide Cutting Wheels 66



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 66A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 66A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.080 · suitable carbide holder BO 432.6

i Diameter 3.00 mm · Thickness 0.65 mm · Bore hole 0.80 mm

Art. No.	Grind · Sales unit
BO 66A000	Active · 10 items
BO 66B000	Basic · 10 items
BO 66C000	Contact Plus · 10 items
BO 66A000H	Active · 100 items
BO 66B000H	Basic · 100 items
BO 66C000H	Contact Plus · 100 items



Silberschnitt® Carbide Cutting Wheels 05



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 05A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 05A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.130 · suitable carbide holder BO 432.3

i Diameter 3.00 mm · Thickness 1.00 mm · Bore hole 1.30 mm

Art. No.	Angle · Grind · Sales unit
BO 05A135	135 ° · Active · 10 items
BO 05A140	140 ° · Active · 10 items
BO 05A145	145 ° · Active · 10 items
BO 05A150	150 ° · Active · 10 items
BO 05B135	135 ° · Basic · 10 items
BO 05B140	140 ° · Basic · 10 items
BO 05B145	145 ° · Basic · 10 items
BO 05B150	150 ° · Basic · 10 items
BO 05A000	Active · 10 items
BO 05B000	Basic · 10 items
BO 05C000	Contact Plus · 10 items
BO 05A000H	Active · 100 items
BO 05B000H	Basic · 100 items
BO 05C000H	Contact Plus · 100 items



Silberschnitt® Carbide Cutting Wheels 04



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 04A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 04A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.130 · suitable holder BO 432.3

i Diameter 4.00 mm · Thickness 1.00 mm · Bore hole 1.30 mm

Art. No.	Angle · Grind · Sales unit
BO 04A135	135 ° · Active · 10 items
BO 04A140	140 ° · Active · 10 items
BO 04A145	145 ° · Active · 10 items
BO 04B135	135 ° · Basic · 10 items
BO 04B140	140 ° · Basic · 10 items
BO 04B145	145 ° · Basic · 10 items
BO 04A000	Active · 10 items
BO 04B000	Basic · 10 items
BO 04A000H	Active · 100 items
BO 04B000H	Basic · 100 items



Silberschnitt® Carbide Cutting Wheels 12



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 12A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 12A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.139F · suitable holder BO 432.0 · For further cutting angles, please refer to our Online Shop.

i Diameter 4.10 mm · Thickness 1.08 mm · Bore hole 1.42 mm

Art. No.	Angle · Grind · Sales unit
BO 12A135	135 ° · Active · 10 items
BO 12A140	140 ° · Active · 10 items
BO 12A145	145 ° · Active · 10 items
BO 12A150	150 ° · Active · 10 items
BO 12A155	155 ° · Active · 10 items
BO 12A158	158 ° · Active · 10 items
BO 12B120	120 ° · Basic · 10 items
BO 12B127	127 ° · Basic · 10 items
BO 12B135	135 ° · Basic · 10 items
BO 12A000	Active · 10 items
BO 12B000	Basic · 10 items
BO 12C000	Contact Plus · 10 items
BO 12A000H	Active · 100 items
BO 12B000H	Basic · 100 items
BO 12C000H	Contact Plus · 100 items



Silberschnitt® Carbide Cutting Wheels 02



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 02A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 02A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.130 · suitable carbide holder BO 432.3 · For further cutting angles, please refer to our Online Shop.

i Diameter 5.00 mm · Thickness 1.00 mm · Bore hole 1.30 mm

Art. No.	Angle · Grind · Sales unit
BO 02A127	127 ° · Active · 10 items
BO 02A135	135 ° · Active · 10 items
BO 02A140	140 ° · Active · 10 items
BO 02A145	145 ° · Active · 10 items
BO 02B127	127 ° · Basic · 10 items
BO 02B135	135 ° · Basic · 10 items
BO 02B140	140 ° · Basic · 10 items
BO 02B145	145 ° · Basic · 10 items
BO 02A000	Active · 10 items
BO 02B000	Basic · 10 items
BO 02C000	Contact Plus · 10 items
BO 02A000H	Active · 100 items
BO 02B000H	Basic · 100 items
BO 02C000H	Contact Plus · 100 items



Silberschnitt® Carbide Cutting Wheels 02 , Special Tolerances for Lisec Cutting Equipment



These wheels have a special tolerance (thickness tolerance +0.01). An "L" (Lisec) is added following the numbers that indicate the angle · suitable carbide axle BO 496.439 · suitable carbide holder BO 439.1/439.2

i Diameter 5.00 mm · Thickness 1.00 mm · Bore hole 1.30 mm

Art. No.	Angle · Grind · Sales unit
BO 02A135L	135 ° · Active · 10 items
BO 02A145L	145 ° · Active · 10 items
BO 02A150L	150 ° · Active · 10 items
BO 02A155L	155 ° · Active · 10 items
BO 02A160L	160 ° · Active · 10 items
BO 02A165L	165 ° · Active · 10 items
BO 02B127L	127 ° · Basic · 10 items
BO 02B135L	135 ° · Basic · 10 items
BO 02A000L	Active · 10 items
BO 02B000L	Basic · 10 items
BO 02C000L	Contact Plus · 10 items
BO 02A00LH	Active · 100 items
BO 02B00LH	Basic · 100 items
BO 02C00LH	Contact Plus · 100 items
BO 02A135LH	Active · 100 items · 135 °
BO 02A145LH	Active · 100 items · 145 °
BO 02A155LH	Active · 100 items · 155 °
BO 02C118LH	Contact Plus · 100 items · 118 °



Silberschnitt® Carbide Cutting Wheels 03



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 03A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 03A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.139F · suitable holder BO 432.0 · For further cutting angles, please refer to our Online Shop.

i Diameter 5.60 mm · Thickness 1.08 mm · Bore hole 1.42 mm

Art. No.	Angle · Grind · Sales unit
BO 03A135	135 ° · Active · 10 items
BO 03A140	140 ° · Active · 10 items
BO 03A145	145 ° · Active · 10 items
BO 03A150	150 ° · Active · 10 items
BO 03A155	155 ° · Active · 10 items
BO 03A160	160 ° · Active · 10 items
BO 03A162	162 ° · Active · 10 items
BO 03A165	165 ° · Active · 10 items
BO 03B120	120 ° · Basic · 10 items
BO 03B127	127 ° · Basic · 10 items
BO 03B135	135 ° · Basic · 10 items
BO 03B140	140 ° · Basic · 10 items
BO 03B145	145 ° · Basic · 10 items
BO 03C120	120 ° · Contact Plus · 10 items
BO 03C127	127 ° · Contact Plus · 10 items
BO 03A000	Active · 10 items
BO 03B000	Basic · 10 items
BO 03C000	Contact Plus · 10 items
BO 03A000H	Active · 100 items
BO 03B000H	Basic · 100 items
BO 03C000H	Contact Plus · 100 items

02

Automatic
Glass Cutting



Silberschnitt® Carbide Cutting Wheels 07



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 07A135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 07A000, and the cutting angle in the text of your order. · For further cutting angles, please refer to our Online Shop.

i Diameter 6.00 mm · Thickness 1.14 mm · Bore hole 1.51 mm

Art. No.	Angle · Grind · Sales unit
BO 07A135	135 ° · Active · 10 items
BO 07A145	145 ° · Active · 10 items
BO 07B127	127 ° · Basic · 10 items
BO 07B135	135 ° · Basic · 10 items
BO 07B145	145 ° · Basic · 10 items
BO 07A000	Active · 10 items
BO 07B000	Basic · 10 items
BO 07C000	Contact Plus · 10 items
BO 07A000H	Active · 100 items
BO 07B000H	Basic · 100 items
BO 07C000H	Contact Plus · 100 items



Silberschnitt® Carbide Cutting Wheels 63



Standard pack consists of 10 wheels. Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 63A000, and the cutting angle in the text of your order · suitable carbide axle BO 496.160 · suitable carbide holder BO 422.1 · For further cutting angles, please refer to our Online Shop.

i Diameter 6.00 mm · Thickness 3.00 mm · Bore hole 1.60 mm

Art. No.	Angle · Grind · Sales unit
BO 63A145	145 ° · Active · 10 items
BO 63A150	150 ° · Active · 10 items
BO 63A155	155 ° · Active · 10 items
BO 63A000	Active · 10 items



Silberschnitt® Carbide Cutting Wheels 08



Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 08B135H). Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 08B000, and the cutting angle in the text of your order.

i Diameter 8.00 mm · Thickness 2.00 mm · Bore hole 2.60 mm

Art. No.	Angle · Grind · Sales unit
BO 08A160	160 ° · Active · 10 items
BO 08A000	Active · 10 items
BO 08B135	135 ° · Basic · 10 items
BO 08B077	77 ° · Basic · 10 items
BO 08B090	90 ° · Basic · 10 items
BO 08B000	Basic · 10 items
BO 08A000H	Active · 100 items
BO 08B000H	Basic · 100 items



Silberschnitt® Carbide Cutting Wheels 64



Standard pack consists of 10 wheels. Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 64A000, and the cutting angle in the text of your order. · The corresponding carbide axle has the art.no. BO 496.300.

i Diameter 12.50 mm · Thickness 4.00 mm · Bore hole 3.00 mm

Art. No.	Angle · Grind · Sales unit
BO 64A150	150 ° · Active · 10 items
BO 64A155	155 ° · Active · 10 items
BO 64A160	160 ° · Active · 10 items
BO 64A165	165 ° · Active · 10 items
BO 64A000	Active · 10 items

Cutting mirrors that are surfaced with splinter protection film

To cut mirrors that have already been backed with splinter protection film during manufacturing, wheels that are specially pre-facetted are used. Depending on the glass thickness, different cutting angles must be used.

▶ Silberschnitt® Carbide Cutting Wheels 03



❶ Diameter 5.60 mm · Thickness 1.08 mm · Bore hole 1.42 mm

Art. No.	Cutting angle · Glass thickness · Sales unit
BO 03A100M	100 ° · 4 mm · 10 items
BO 03A110M	110 ° · 4 mm · 10 items
BO 03A115M	115 ° · 5/6 mm · 10 items

▶ Silberschnitt® Plastic Wheel Holder with Carbide Cutting Wheel



❶ Sales unit 10 items

Art. No.	Cutting angle · Glass thickness · Sales unit
BO 416A100M	100 ° · 4 mm · 10 items

▶ Silberschnitt® Plastic Wheel Holder with Carbide Cutting Wheel



❶ Sales unit 10 items

Art. No.	Cutting angle · Glass thickness · Sales unit
BO 416A110M	110 ° · 4 mm · 10 items

▶ Silberschnitt® Plastic Wheel Holder with Carbide Cutting Wheel



❶ Sales unit 10 items

Art. No.	Cutting angle · Glass thickness · Sales unit
BO 416A115M	115 ° · 5/6 mm · 10 items

Silberschnitt® Carbide Cutting Wheels

Bohle has added cutting wheels with inscriptions to its extensive portfolio of cutting wheels. Under the article numbers listed below, cutting wheels can now be supplied with engraved cutting angles. In this way the user can clearly determine the respective cutting angles when exchanging wheels. Confusion is therefore largely excluded. The following standard angles are available ex stock. For other cutting angles, please note down article numbers 12A00HI* or 03A00HI* and indicate the desired cutting angle. Please note that special angles can only be ordered in units of 100 items.



Silberschnitt® Carbide Cutting Wheels



i Grind Active · Diameter 5.6 mm · Thickness 1.08 mm · Bore hole 1.42 mm

Art. No.	Sales unit
BO 03A135I	10 items
BO 03A145I	10 items
BO 03A148I	10 items
BO 03A150I	10 items
BO 03A152I	10 items
BO 03A153I	10 items
BO 03A154I	10 items
BO 03A156I	10 items
BO 03A158I	10 items
BO 03A160I	10 items
BO 03A165I	10 items
BO 03A00HI	100 items
BO 03A135HI	100 items
BO 03A145HI	100 items
BO 03A148HI	100 items
BO 03A152HI	100 items
BO 03A154HI	100 items
BO 03A156HI	100 items
BO 03A158HI	100 items
BO 03A160HI	100 items
BO 03A165HI	100 items



i Grind Active · Diameter 4.1 mm · Thickness 1.08 mm · Bore hole 1.42 mm

Art. No.	Sales unit
BO 12A135I	10 items
BO 12A145I	10 items
BO 12A148I	10 items
BO 12A150I	10 items
BO 12A152I	10 items
BO 12A153I	10 items
BO 12A154I	10 items
BO 12A155I	10 items
BO 12A156I	10 items
BO 12A160I	10 items
BO 12A165I	10 items
BO 12A00HI	100 items
BO 12A135HI	100 items
BO 12A145HI	100 items
BO 12A148HI	100 items
BO 12A150HI	100 items
BO 12A152HI	100 items
BO 12A153HI	100 items
BO 12A154HI	100 items
BO 12A155HI	100 items
BO 12A156HI	100 items
BO 12A160HI	100 items
BO 12A165HI	100 items

Cutmaster® Gold

The innovative Cutmaster® Gold carbide cutting wheel masters the balancing act between cost reduction and quality improvement. Especially when cutting laminated safety glass and edges at float glass facilities, service lives can be achieved which are at least ten times as long as that of standard cutting wheels. At float glass facilities Cutmaster® Gold achieves a cutting performance of well over 250 km with consistently high cutting quality.



Silberschnitt® Carbide Cutting Wheels Cutmaster® Gold with ten times the life expectancy



The right solution:

When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.

To achieve optimum cutting results and service life, Cutmaster® Gold wheels are used in metal wheel holders. Standard machines from manufacturers Hegla, Bavelloni, Bottero, Bystronic, Intermac, Macotec and Lisec can be easily equipped with Cutmaster® Gold.

Art. No.	Diameter · Thickness · Bore hole · Angle · Grind
BO 12A130G	4.10 mm · 1.08 mm · 1.42 mm · 130 ° · Active
BO 12A135G	4.10 mm · 1.08 mm · 1.42 mm · 135 ° · Active
BO 12A145G	4.10 mm · 1.08 mm · 1.42 mm · 145 ° · Active
BO 12A148G	4.10 mm · 1.08 mm · 1.42 mm · 148 ° · Active
BO 12A150G	4.10 mm · 1.08 mm · 1.42 mm · 150 ° · Active
BO 12A152G	4.10 mm · 1.08 mm · 1.42 mm · 152 ° · Active
BO 12A153G	4.10 mm · 1.08 mm · 1.42 mm · 153 ° · Active
BO 12A154G	4.10 mm · 1.08 mm · 1.42 mm · 154 ° · Active
BO 12A155G	4.10 mm · 1.08 mm · 1.42 mm · 155 ° · Active
BO 12A158G	4.10 mm · 1.08 mm · 1.42 mm · 158 ° · Active
BO 12C110G	4.10 mm · 1.08 mm · 1.42 mm · 110 ° · Contact Plus
BO 12C118G	4.10 mm · 1.08 mm · 1.42 mm · 118 ° · Contact Plus
BO 12C120G	4.10 mm · 1.08 mm · 1.42 mm · 120 ° · Contact Plus
BO 12C125G	4.10 mm · 1.08 mm · 1.42 mm · 125 ° · Contact Plus
BO 02A135GL	5.00 mm · 1.00 mm · 1.30 mm · 135 ° · Active
BO 02A145GL	5.00 mm · 1.00 mm · 1.30 mm · 145 ° · Active
BO 02A155GL	5.00 mm · 1.00 mm · 1.30 mm · 155 ° · Active
BO 03A130G	5.60 mm · 1.08 mm · 1.42 mm · 130 ° · Active
BO 03A135G	5.60 mm · 1.08 mm · 1.42 mm · 135 ° · Active
BO 03A145G	5.60 mm · 1.08 mm · 1.42 mm · 145 ° · Active
BO 03A148G	5.60 mm · 1.08 mm · 1.42 mm · 148 ° · Active
BO 03A150G	5.60 mm · 1.08 mm · 1.42 mm · 150 ° · Active
BO 03A152G	5.60 mm · 1.08 mm · 1.42 mm · 152 ° · Active
BO 03A153G	5.60 mm · 1.08 mm · 1.42 mm · 153 ° · Active
BO 03A154G	5.60 mm · 1.08 mm · 1.42 mm · 154 ° · Active
BO 03A155G	5.60 mm · 1.08 mm · 1.42 mm · 155 ° · Active
BO 03A158G	5.60 mm · 1.08 mm · 1.42 mm · 158 ° · Active
BO 03B135G	5.60 mm · 1.08 mm · 1.42 mm · 135 ° · Basic
BO 03B145G	5.60 mm · 1.08 mm · 1.42 mm · 145 ° · Basic
BO 03C110G	5.60 mm · 1.08 mm · 1.42 mm · 110 ° · Contact Plus
BO 03C125G	5.60 mm · 1.08 mm · 1.42 mm · 125 ° · Contact Plus
BO 03C130G	5.60 mm · 1.08 mm · 1.42 mm · 130 ° · Contact Plus
BO 03C135G	5.60 mm · 1.08 mm · 1.42 mm · 135 ° · Contact Plus
BO 03C145G	5.60 mm · 1.08 mm · 1.42 mm · 145 ° · Contact Plus
BO 03C148G	5.60 mm · 1.08 mm · 1.42 mm · 148 ° · Contact Plus
BO 03C150G	5.60 mm · 1.08 mm · 1.42 mm · 150 ° · Contact Plus
BO 03C153G	5.60 mm · 1.08 mm · 1.42 mm · 153 ° · Contact Plus
BO 03C155G	5.60 mm · 1.08 mm · 1.42 mm · 155 ° · Contact Plus
BO 03C158G	5.60 mm · 1.08 mm · 1.42 mm · 158 ° · Contact Plus

Silberschnitt® PCD Cutting Wheels

02

Automatic
Glass Cutting

▶ Silberschnitt® PCD Wheels



Extraordinarily long service life · consistently high cutting quality over the entire lifespan · outstanding cut edges · significant reduction of glass splintering/dusting · adaptation to the specific application

i Material PCD · Diameter 2.5 mm

Art. No.	Thickness · Bore hole · Holder · Axle
BO 484D000	0.65 mm · 0.80 mm · 490.6 · 497D300

The right solution:

When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.

▶ Silberschnitt® PCD Wheels



Extraordinarily long service life · consistently high cutting quality over the entire lifespan · outstanding cut edges · significant reduction of glass splintering/dusting · adaptation to the specific application

i Material PCD · Diameter 3 mm

Art. No.	Thickness · Bore hole · Angle · Holder · Axle
BO 485D000	0.65 mm · 0.80 mm · 490.6 · 497D300
BO 485D115	0.65 mm · 0.81 mm · 115 ° · 490.6 · 497D300
BO 485D120	0.65 mm · 0.81 mm · 120 ° · 490.6 · 497D300
BO 485D125	0.65 mm · 0.81 mm · 125 ° · 490.6 · 497D300
BO 485D130	0.65 mm · 0.81 mm · 130 ° · 490.6 · 497D300

The right solution:

When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.



Silberschnitt® PCD Wheels



Extraordinarily long service life · consistently high cutting quality over the entire lifespan · outstanding cut edges · significant reduction of glass splintering/dusting · adaptation to the specific application

i Material PCD · Diameter 5 mm

Art. No.	Thickness · Bore hole · Angle · Holder · Axle
BO 483D000	1.08 mm · 1.51 mm · 490.7 · 497D400
BO 483D110	1.08 mm · 1.51 mm · 110 ° · 490.7 · 497D400
BO 483D114	1.08 mm · 1.51 mm · 114 ° · 490.7 · 497D400
BO 483D115	1.08 mm · 1.51 mm · 115 ° · 490.7 · 497D400
BO 483D120	1.08 mm · 1.51 mm · 120 ° · 490.7 · 497D400
BO 483D125	1.08 mm · 1.51 mm · 125 ° · 490.7 · 497D400
BO 483D127	1.08 mm · 1.51 mm · 127 ° · 490.7 · 497D400
BO 483D130	1.08 mm · 1.51 mm · 130 ° · 490.7 · 497D400
BO 483D135	1.08 mm · 1.51 mm · 135 ° · 490.7 · 497D400
BO 483D145	1.08 mm · 1.51 mm · 145 ° · 490.7 · 497D400
BO 483D150	1.08 mm · 1.51 mm · 150 ° · 490.7 · 497D400
BO 486D000	1.0 mm · 1.30 mm · 439.1/439.2 · 497D439
BO 486D135	1.0 mm · 1.30 mm · 135 ° · 439.1/439.2 · 497D439
BO 486D138	1.0 mm · 1.30 mm · 138 ° · 439.1/439.2 · 497D439
BO 486D140	1.0 mm · 1.30 mm · 140 ° · 439.1/439.2 · 497D439
BO 486D145	1.0 mm · 1.30 mm · 145 ° · 439.1/439.2 · 497D439
BO 486D155	1.0 mm · 1.30 mm · 155 ° · 439.1/439.2 · 497D439

The right solution:

When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.



Silberschnitt® PCD Wheels



Extraordinarily long service life · consistently high cutting quality over the entire lifespan · outstanding cut edges · significant reduction of glass splintering/dusting · adaptation to the specific application

i Material PCD · Diameter 4.1 mm

Art. No.	Thickness · Bore hole · Angle · Holder · Axle
BO 487D000	1.08 mm · 1.40 mm · 432.0C/422.0C · 497D141/497D422
BO 487D135	1.08 mm · 1.40 mm · 135 ° · 432.0C/422.0C · 497D141/497D422

The right solution:

When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.



Silberschnitt® PCD Wheels



Extraordinarily long service life · consistently high cutting quality over the entire lifespan · outstanding cut edges · significant reduction of glass splintering/dusting · adaptation to the specific application

i Material PCD · Diameter 5.6 mm

Art. No.	Thickness · Bore hole · Angle · Holder · Axle
BO 488D000	1.08 mm · 1.40 mm · 432.0C/422.0C · 497D141/497D422
BO 488D140	1.08 mm · 1.40 mm · 140 ° · 432.0C/422.0C · 497D141/497D422
BO 488D155	1.08 mm · 1.40 mm · 155 ° · 432.0C/422.0C · 497D141/497D422

The right solution:

When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.

02 | Wheel Holders

Wheel Holders, Plastic

Exchanging cutting wheels in automatic cutting tables is made much easier when using wheel holders into which the cutting wheel is already integrated. Some models have the added benefit of being colour-coded to identify the respective cutting angle.



Silberschnitt® Wheel Holder 416, Plastic with Carbide Cutting Wheel

Plastic wheel holder · Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 416A000, and the cutting angle in the text of your order.

i Sales unit 10 items



Art. No.	Cutting angle · Colour · Grind · Description
BO 416A127	127 ° · yellow · Active
BO 416A130	130 ° · orange · Active
BO 416A135	135 ° · white · Active
BO 416A140	140 ° · blue · Active
BO 416A145	145 ° · black · Active
BO 416A150	150 ° · brown · Active
BO 416A155	155 ° · red · Active
BO 416A160	160 ° · dark green · Active
BO 416A165	165 ° · light green · Active
BO 416B115	115 ° · water blue · Basic
BO 416B120	120 ° · light blue · Basic
BO 416B125	125 ° · old rose · Basic
BO 416B127	127 ° · yellow · Basic
BO 416B130	130 ° · orange · Basic
BO 416B135	135 ° · white · Basic
BO 416B140	140 ° · blue · Basic
BO 416B145	145 ° · black · Basic
BO 416B150	150 ° · brown · Basic
BO 416B155	155 ° · red · Basic
BO 416C112	112 ° · ivory · Contact Plus
BO 416C118	118 ° · light blue · Contact Plus
BO 416C125	125 ° · yellow · Contact Plus
BO 416C145	145 ° · black · Contact Plus
BO 416A000	Special angle · Active
BO 416B000	Special angle · Basic
BO 416C000	Special angle · Contact Plus



Silberschnitt® Wheel Holder 417, Plastic, with Carbide Cutting Wheel



Plastic wheel holder - Other angles are available to order. When ordering, please indicate the art. no., e.g. BO 417A000, and the cutting angle in the text of your order.

i Sales unit 10 items

Art. No.	Cutting angle · Colour · Grind · Description
BO 417A135	135 ° · white · Active
BO 417A145	145 ° · black · Active
BO 417A155	155 ° · red · Active
BO 417B120	120 ° · light blue · Basic
BO 417B127	127 ° · yellow · Basic
BO 417B135	135 ° · white · Basic
BO 417B140	140 ° · white · Basic
BO 417B145	145 ° · black · Basic
BO 417B150	150 ° · red · Basic
BO 417B155	155 ° · red · Basic
BO 417A000	Special angle · Active
BO 417B000	Special angle · Basic

02

Automatic
Glass Cutting

Wheel Holder, Metal



Silberschnitt® Wheel Holder, Metal



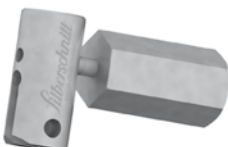
Without wheel and axle (please order separately) · made of high quality tempered metal alloy · precision machined · suitable for Armatec, Bavelloni, Bottero, Bystronic, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannoke, Pfister, Rohmer & Stimpfig · hardened steel

i Sales unit 10 items

Art. No.	For carbide wheels · Suitable carbide axle
BO 432.0	12, 03 · BO 496.138F, 496.139F
BO 432.1	12, 03 · BO 496.138F, BO 496.139F
BO 432.3	05, 02L · BO 496.130
BO 432.6	06, 66 · BO 496.080
BO 432.M	12, 03 · 496.138F, 496.139F
BO 432.080	12, 03 · BO 496.138F, BO 496.139F
BO 432.380	3x1x1.3; 5x1x1.3 · BO 496.130



Silberschnitt® Wheel Holder, Metal



Without wheel and axle (please order separately) · made of high quality tempered metal alloy · precision machined · suitable for Armatec, Bavelloni, Bottero, Bystronic, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannoke, Pfister, Rohmer & Stimpfig

i Sales unit 10 items

Art. No.
BO 432.4

▶ Silberschnitt® Wheel Holder, Metal, With Inscription



Without wheel and axle (please order separately) · made of high quality tempered metal alloy · precision machined · suitable for Armatec, Bavelloni, Bottero, Bystronic, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Pfister, Rohmer & Stimpfig

i For carbide wheels 12, 03 · Suitable carbide axle BO 496.139F · Sales unit 10 items

Art. No.	With Inscription
BO 432.127	127 °
BO 432.134	134 °
BO 432.135	135 °
BO 432.140	140 °
BO 432.145	145 °
BO 432.148	148 °
BO 432.150	150 °
BO 432.152	152 °
BO 432.153	153 °
BO 432.154	154 °
BO 432.155	155 °
BO 432.156	156 °
BO 432.158	158 °
BO 432.160	160 °
BO 432.163	163 °
BO 432.165	165 °

▶ Silberschnitt® Wheel Holder, Metal



Without wheel and axle (please order separately) · made of high quality tempered metal alloy · precision machined · suitable for Bavelloni, Bottero, Bystronic, Grenzebach, Hegla, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Rohmer & Stimpfig

i For carbide wheels 12, 03 · Suitable carbide axle BO 496.422 · Sales unit 10 items

Art. No.
BO 422.0

▶ Silberschnitt® Wheel Holder, Metal



Without wheel and axle (please order separately) · made of high quality tempered metal alloy · precision machined · suitable for Bavelloni, Bottero, Bystronic, Grenzebach, Hegla, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Rohmer & Stimpfig

i For carbide wheels 63 · Suitable carbide axle BO 496.160 · Sales unit 10 items

Art. No.
BO 422.1

▶ Silberschnitt® Wheel Holder, Metal



Hardened steel · for Lisec cutting equipment

i Length 11.5 mm · For carbide wheels 02L · Suitable carbide axle BO 496.439

Art. No.
BO 439.1

Silberschnitt® Wheel Holder, Metal



Hardened steel · for Lisec cutting equipment

i Length 16 mm · For carbide wheels 02L · Suitable carbide axle BO 496.439

Art. No.

BO 439.2

Silberschnitt® Wheel Holder, Metal, for Bottero



Wheel holder for Bottero systems

i Bore hole 1.4 mm Ø · Slot 1.1 mm · For carbide wheels 12, 03 · Suitable carbide axle BO 496.140F

Art. No.

BO 439.122

Version

non-tempered

Silberschnitt® Wheel Holder, Metal, for Maver



Wheel holder for Maver, non-hardened steel, without wheel, including axle BO 496.139F and screw

i Bore hole · For carbide wheels 12, 03, 33 · Suitable carbide axle

Art. No.

BO 439.0303

Silberschnitt® Wheel Holder, Metal, for Maver



i Bore hole 1.39 Ø · Suitable carbide axle 1.39 x 4.6 mm · With wheel 5.60 mm

Art. No.

BO 439.1303

With wheel · Angle · Description

BO 03A135I · 135 °

BO 439.2303

BO 03A145I · 145 °

BO 439.6303

BO 03A155I · 155 °

BO 439.8303

BO 03A160I · 160 °

BO 439.9303

BO 03A165I · 165 °

SP 0303

Threaded pin M2 x 2 mm

Silberschnitt® Wheel Holder, Metal



For optimised cutting, Bohle offers an additional model to the standard plastic wheel holders type 416. The cutting characteristics can be considerably improved due to the metal wheel holder BO 439.16 and the plastic rings which are colour-coded to indicate the different cutting angles. For shaped and open cuts the use of this type of wheel holder is recommended.

i Bore hole 1.4 mm Ø · Slot 1.1 mm · For carbide wheels 12, 03 · Suitable carbide axle BO 496.140F

Art. No.

BO 439.16

Version

non-tempered

BO 439.16V

tempered



Plastic Rings



Plastic rings for wheel holders BO 439.16 / BO 439.16V

i Sales unit 2 items

Art. No.	Colour · Angle
BO 438R135	white · 135 °
BO 438R145	black · 145 °
BO 438R150	brown · 150 °
BO 438R155	red · 155 °
BO 438R000	grey · Other °

Wheel Holder Module



Wheel Holder Module, Inscribed, with Carbide Wheel Type 03, 5.6 mm Ø and Carbide Axle



Equipped complete with carbide wheel and carbide axle · high quality tempered metal alloy · precision machined · suitable for Armatec, Bavelloni, Bottero, Bystronic, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Pfister, Rohmer & Stimpfig

i Sales unit 10 items

Art. No.	With Inscription
BO 432.1271	127 °
BO 432.1341	134 °
BO 432.1351	135 °
BO 432.1401	140 °
BO 432.1451	145 °
BO 432.1481	148 °
BO 432.1501	150 °
BO 432.1521	152 °
BO 432.1531	153 °
BO 432.1541	154 °
BO 432.1551	155 °
BO 432.1561	156 °
BO 432.1581	158 °
BO 432.1601	160 °
BO 432.1631	163 °
BO 432.1651	165 °

▶ Wheel Holder Module with Carbide Wheel and Carbide Axle



Made of steel · with 1 carbide wheel · carbide axle · available in any angle desired · hardened steel

i Sales unit 10 items

Art. No.	With wheel · Diameter · Thickness · Bore hole
BO 432.10	03A · 5.6 mm · 1.08 mm · 1.42 mm
BO 432.20	12A · 4.1 mm · 1.08 mm · 1.42 mm
BO 432.30	05A · 3.0 mm · 1.00 mm · 1.30 mm
BO 432.60	66A · 3.0 mm · 0.65 mm · 0.80 mm

▶ Wheel Holder Module, Inscribed, with Carbide Wheel Type 12, Ø 4.1 mm and Carbide Axle



Equipped complete with carbide wheel and carbide axle · high quality tempered metal alloy · precision machined · suitable for Armatec, Bavelloni, Bottero, Bystronic, Grenzbach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Pfister, Rohmer & Stimpfig

i Sales unit 10 items

Art. No.	With Inscription
BO 432.1272	127 °
BO 432.1342	134 °
BO 432.1352	135 °
BO 432.1402	140 °
BO 432.1452	145 °
BO 432.1482	148 °
BO 432.1502	150 °
BO 432.1522	152 °
BO 432.1532	153 °
BO 432.1542	154 °
BO 432.1552	155 °
BO 432.1562	156 °
BO 432.1582	158 °
BO 432.1602	160 °
BO 432.1632	163 °
BO 432.1652	165 °

▶ Wheel Holder Module with PCD Wheel and PCD Axle



Holder complete · with PCD wheel · PCD axle · holder with special coating · available in any angle desired · hardened steel

Art. No.	With wheel · Diameter · Thickness · Bore hole
BO 491D000	484 · 2.5 mm · 0.65 mm · 0.8 mm
BO 494D000	485 · 3.0 mm · 0.65 mm · 0.81 mm
BO 495D000	487 · 4.1 mm · 1.08 mm · 1.40 mm
BO 497D000	487 · 4.1 mm · 1.08 mm · 1.4 mm
BO 492D000	483 · 5.0 mm · 1.08 mm · 1.51 mm
BO 490D000	483 · 5.0 mm · 1.08 mm · 1.51 mm
BO 496D000	488 · 5.6 mm · 1.08 mm · 1.40 mm
BO 498D000	488 · 5.6 mm · 1.08 mm · 1.4 mm

Carbide Axles



Silberschnitt® Carbide Axles

Wheel axles made of carbide

Sales unit 10 items



Art. No.	Diameter · Length · Chamfer
BO 496.080	0.80 mm · 4.6 mm · 0.5 x 45 °
BO 496.380	0.80 mm · 3.6 mm · 0.5 x 35 °
BO 496.130	1.30 mm · 4.2 mm · 0.2 x 45 °
BO 496.330	1.30 mm · 3.6 mm · 0.8 x 45 °
BO 496.439	1.30 mm · 8.0 mm · 0.2 x 55 °
BO 496.4391	1.30 mm · 14.0 mm · 0.2 x 45 °
BO 496.138	1.38 mm · 4.2 mm · 0.4 x 45 °
BO 496.138F	1.38 mm · 4.2 mm · 0.4 x 45 °
BO 496.210A	1.38 mm · 5.3 mm · 0.4 x 45 °
BO 496.245A	1.38 mm · 6.2 mm · 0.4 x 45 °
BO 496.305A	1.38 mm · 7.7 mm · 0.4 x 45 °
BO 496.139F	1.39 mm · 4.6 mm · 0.8 x 35 °
BO 496.422	1.39 mm · 9.0 mm · 0.2 x 45 °
BO 496.140F	1.40 mm · 12.0 mm · 0.4 x 45 °
BO 496.150	1.50 mm · 5.5 mm · 0.2 x 45 °
BO 496.160	1.60 mm · 9.0 mm · 0.2 x 45 °
BO 496.300	3.0 mm · 11.0 mm · 0.2 x 45 °

PCD Axles



Silberschnitt® PCD Axles

For Silberschnitt® PCD cutting wheels



Art. No.	Diameter · Length · Chamfer
BO 497D300	0.80 mm · 4.1 mm · 0.2 x 30 °
BO 497D306	0.80 mm · 6.0 mm · 0.2 x 30 °
BO 497D310	1.10 mm · 6.0 mm · 0.2 x 30 °
BO 497D100	1.30 mm · 4.1 mm · 0.5 x 30 °
BO 497D439	1.30 mm · 0.8 mm · 0.5 x 45 °
BO 497D141	1.39 mm · 3.9 mm · 0.5 x 30 °
BO 497D422	1.39 mm · 9 mm · 0.5 x 30 °
BO 497D200	1.50 mm · 4.1 mm · 0.5 x 30 °
BO 497D400	1.50 mm · 6.0 mm · 0.5 x 30 °

PCD Axles, Coated



Silberschnitt® Carbide Axles with PCD Coating

The carbide axle with strong, impact resistant PCD coating is an economical alternative for applications in automotive glass cutting.



Art. No.	Diameter · Length · Chamfer
BO 499D080	0.79 mm · 4.6 mm · 0.3 x 30 °
BO 499D110	1.10 mm · 4.4 mm · 0.5 x 30 °
BO 499D139	1.39 mm · 4.4 mm · 0.5 x 30 °
BO 499D939	1.39 mm · 9.0 mm · 0.5 x 30 °
BO 499D151	1.49 mm · 6.0 mm · 0.5 x 30 °
BO 499D150	1.50 mm · 4.4 mm · 0.5 x 30 °

03 | Blades for Film Cutting

Blades for Film Cutting

These blades enable you to cut foils (for use with sandblasting stencils as well as etching stencils which are already applied to the glassworkpiece) from 0.2 to 2.6 mm on modern CNC cutting tables. The narrow blades are used for cutting fine curved lines; the wide blades for straight lines.

▶ Plastic Clip



With narrow blade · for cutting shapes

Art. No.

BO 416.1

▶ Plastic Clip



With wide blade

Art. No.

BO 416.2

▶ Steel Holder



With narrow blade · for cutting shapes

Art. No.

Version

BO 432.7

standard

BO 432.71

turned 180 °

▶ Steel Holder



With wide blade

Art. No.

Version

BO 432.8

standard

BO 432.81

turned 180 °

04 | Complete Solutions

02

Automatic
Glass Cutting

Bohle has been developing and producing complete solutions for cutting machines for many years. This includes not only cutting wheels and axles, but also wheel holders and complete pillar posts. The range of pillar posts manufactured to customers' specific wishes is being continuously expanded.

Silberschnitt® pillar posts are available in different versions: for straight cuts with a limited swivel range and for shaped cuts with a swivel range of up to 360°. You can choose whether the cutting wheel should stop in the last cutting position or be centred back to the 0° position after the cutting process. Silberschnitt® pillar posts trail by 2 mm. On request, we can manufacture pillar posts with larger trailing distances.

With complete solutions from Bohle you can be sure that all the components - from the cutting wheel, through to the axle and wheel holder, right up to the pillar posts - are perfectly matched.

All available complete solutions can be found in the "Automatic Glass Cutting" catalogue, available on request!

Suitable pillar posts must be chosen according to the wheel holders used.

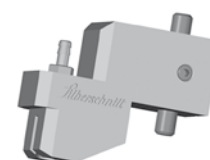
Different pillar posts must be used according to the manufacturer of the cutting machines.



B0 432.0



B0 422.0



B0 436.200



B0 439.1015

We offer a large selection of complete applications for meeting your individual requirements. Please contact us!



436.3BY Bystronic



436.16 Bottero



436.G Intermac



439.1264 Bando

05 | Cutting Fluids for Automatic Cutting

Cutting Fluids for Automatic Cutting

Just like with hand glass cutters, the use of the appropriate cutting fluid is indispensable when cutting automatically. For this purpose, Bohle offers a special cutting fluid which is used and recommended by many machine manufacturers.

▶ Cutting Fluid for Thick Glass Silberschnitt®

Silberschnitt



Optimum breaking results for glass thicknesses from 12 mm upwards · also for problematic thicknesses up to 25 mm · washable · good lubrication of cutting wheel

i Glass thickness 12 - 25 mm · Viscosity: approx. 5 mPas

Art. No.	Contents
BO 5002800	Especially suitable for thick glass cutting · 1 litre
BO 5002801	30 litres
BO 5002810	Dispenser for Cutting Fluid · 250 ml

▶ Silberschnitt® Cutting Fluid



For manual glass cutting · low surface tension allows easy penetration into the cut · ensures a soft break · glass particles are bound · consistently unhindered run of wheel

i Glass thickness up to 12 mm · Viscosity: approx. 5 mPas

Art. No.	Contents · Description
BO 026	1 litre · for manual cutting
BO 024	200 litres

▶ Cutting Fluid ACECUT 4153



Applications: Automotive glass, general cutting, shape cutting

i Glass thickness 1.6 - 6 mm · Viscosity: approx. 35 mPas · Description washable

Art. No.	Contents
BO 5002802	30 litres

▶ Cutting Fluid ACECUT 5503



Especially suitable for coated glass · evaporates after use without leaving residue · small glass particles are bound · low surface tension · for mirrors, patterned and float glass as well as painted or printed glass · can be used for float glass production of up to 10 mm · temperature range 30° - 50° C

i Viscosity: approx. 2 mPas

Art. No.	Contents · Description
BO 5002805	30 litres · evaporating
BO 5002835	200 litres · evaporating

▶ Cutting Fluid ACECUT 6000



Applications: automotive glass, shape cutting with high requirements · washable

i Temperature range 40° - 90 ° · Viscosity: approx. 65 mPas

Art. No.	Contents · Description
BO 5002806	30 litres · washable
BO 5002836	200 litres · washable

▶ Cutting Fluid ACECUT 5929



Especially suitable for coated glass · evaporates after use without leaving residue · small glass particles are bound · low surface tension · can be used for float glass production of 4 - 19 mm · temperature range 40° - 60° C

i Viscosity: approx. 2 mPas

Art. No.	Contents · Description
BO 5002807	30 litres · evaporating
BO 5002837	200 litres · evaporating

▶ Cutting Fluid ACECUT 5250



Water-soluble · evaporates after use without leaving residue · Applications: insulated glass, mirror glass, general cutting up to 10 mm, cutting laminated glass, film with knife

i Temperature range 30° - 50 ° · Viscosity: approx. 2 mPas

Art. No.	Contents · Description
BO 5002804	30 litres · evaporating
BO 5002834	200 litres · evaporating

06 | Accessories

Accessories

▶ Pressure Measuring Device



In the past, it was not possible to determine the actual cutting pressure in Newton of older cutting equipment via the setting pressure gauge or via the spring pressure. With the Bohle pressure measuring device (for loads up to 500 N), the cutting pressure which is exerted onto the cutting wheel by the cylinder of the cutting head can now be accurately determined. This device is also suitable for modern cutting systems: a machine's set parameters can quickly and easily be compared to the cutting pressure which is actually produced.

i Cutting pressure up to 500 N

Art. No.

BO 5164850

▶ Mounting Aid for Carbide Wheels

The practical mounting aid makes wheel exchange easy



Art. No.	Diameter
BO 440	1.30 mm
BO 441	0.80 mm

▶ Tin Pin

i Size of slot 1.14 mm



Art. No.

BO 438.114

Magnifying Glass

Magnifying glass, 60x magnification, with LED



Art. No.

BO 4402.0

TinCheck® Industrial

Following on from the original TinCheck®, which already gives an indication of the level of tin load besides quick, easy and reliable detection of the tin side, the TinCheck® Industrial now represents a complete measuring tool for determining the tin load. Compared to similar measuring devices, the tin side detector stands out due to its quick and simple measurement options. This helps glass manufacturers to monitor the quality of the produced glass. Glass processing companies are already benefitting from TinCheck® Industrial as they are now able to check the quality of the glass to be processed in terms of usability beforehand, and to adjust the process parameters of the tin load accordingly.



BO 5164622



BO 5164630

Art. No.	Description
BO 5164622	TinCheck® Industrial
BO 5164630	TinCheck® Industrial Twin Version

PC Kit



For connection and operation of the TinCheck® Industrial as a measuring device for mobile and stationary applications with a Windows PC via USB port · Contents: cable set, USB converter, spacer, TinCheck® software, case

Art. No.	Description
BO 5164621	as extension set for an existing TinCheck® Industrial
BO 5164620	as complete set including the TinCheck® Industrial



TinCheck® Industrial Twin Version



Set for differential tin side detection without threshold within a plant · consisting of 2x basic devices and cable set

Art. No.	Description
BO 5164630	TinCheck® Industrial Twin Version



Serial Port Cable



For connection of the serial port of the TinCheck® Industrial to the USB converter or to another TinCheck® Industrial for differential measurement · with 5-pin IEC61076-2-106 connector both sides, length 10 m (other lengths on request)

Art. No.
BO 5164627



Serial Port Cable



For connection of the serial port of the TinCheck® Industrial to an external application (e.g. control computer) · with 5-pin IEC61076-2-106 connector one side, end open, length 10 m (other lengths on request)

Art. No.
BO 5164624



Digital Port Cable



For connection of the digital inputs and outputs of the TinCheck® Industrial to an external application (e.g. control components) · with 8-pin IEC61076-2-106 connector one side, end open, length 10 m (other lengths on request)

Art. No.
BO 5164623



Replacement LED Unit



Replacement module

Art. No.
BO 5164625



Replacement Protective Plate with Frame



Replacement module

Art. No.
BO 5164626

Glass Processing Machinery

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Glass Processing Machinery

Since the early 1990s, Bohle has been developing and manufacturing glass processing machinery - at first in its Torgau subsidiary and since 2009 in the Haan headquarters. The comprehensive machinery portfolio has been continuously expanded - both by other machines from Bohle's own production plant but also by products from selected suppliers which have been developed and/or modified according to our requirements. Nowadays, due to the low vertical

range of production, it is no longer relevant whether each single part of a product is manufactured in-house: it all comes down to quality, customer service, technical advice and the price-performance ratio - all these factors are priorities at Bohle. Regardless of which glass processing machine you select, you can always count on excellent performance - because Bohle machines are developed and manufactured by glass professionals for glass professionals.

This chapter gives you an overview of the comprehensive range of products from the Bohle machinery division. We will be happy to send you technical details for the machines you are interested in on request. Please note that specifications are subject to change in the course of technical developments. For further information please contact us.

You will find more products and further information at www.bohle-group.com.



01 | Process Water Treatment Systems

Sedimentor Technology

Bohle Sedimentors work in two steps: Coarse glass dust is continuously separated from the coolant during circulation as a result of an optimal tank design with special features (effective sedimentation). Then fine particles are separated out in batch processes. In an automated cycle aided by optimised flocculant, the system binds even the finest glass particles, thus producing practically clear process water.



03

Glass Processing Machinery

▶ Sedimentor

Using machine coolant for a long time is not only better for the environment but also for your wallet. The coolant cleaning systems from Bohle can help you do that. Thus the costly cleaning of the machine purifying system is greatly reduced. Further advantages of clean coolant: longer service life of tools and significantly improved processing quality of the glass.

Features

- Manufactured by Bohle in Germany
- Practically clear process water due to effective sedimentation granules
- Much improved processing quality, especially when polishing
- Time and effort to clean the glass processing equipment is significantly reduced
- Compact, space-saving system
- Decentralised solution for direct connection to the machine
- Consistent high grinding quality

▼ Accessories

Optimised sedimentation granules ·
Pumps for waste water · Collecting
systems for waste water



Sedimentor 2.4

Specifications	Sedimentor 2.4	Sedimentor 1.0	Sedimentor 0.3
Flow rate	280 l/min	150 l/min	50 l/min
Cleaning performance	approx. 7.2 kg/h	approx. 3.6 kg/h	approx. 1.0 kg/h
Filling quantity	2100 litres	1000 litres	320 litres
Optimised sedimentation granules	Powder	Powder	Powder
Electrical connection	2 kW, 400 V, 50 Hz, 3 NPE	2 kW, 400 V, 50 Hz, 3 NPE	2 kW, 400 V, 50 Hz, 3 NPE
Filter bag	300 litres	300 litres	70 litres
Art. No.	BO SEDI24	BO SEDI10	BO 85.30

02 | Sandblasting Systems

SBM Sandblasting Systems



▶ Sandblasting System SBM 1500 / SBM 2500P

The SBM sandblasting cabinet, manufactured by Bohle, allows fully automatic sandblasting of designs or surfaces as well as very easy manual spot and surface blasting. In contrast to other systems, the glass remains stationary and the cabinet moves across the glass. This saves space because the glass requires no entry or exit. Furthermore, by keeping the glass stationary, you eliminate the risk of scratching the reverse side.

Features

- Manufactured by Bohle in Germany
- Virtually dust-free sandblasting
- Easy operation with touch screen
- Automatic blasting, 200 programmes can be stored
- Air cushion supported, manual sandblasting (SBM 1500)
- Consistent quality of abrasive
- Modern, space-saving design: As the cabinet moves across the glass, entry and exit areas are no longer necessary. This is why the space requirements of the machine are much smaller compared to the surface which can be blasted.
- No expensive packaging material: No packaging costs.
- No time-consuming installation - plug and play: The machine is supplied already assembled including abrasive agent. Only the transport locks have to be removed, electricity and compressed air must be connected and the machine feet aligned.
- No additional training required: If you already have sandblasting experience you may not need additional training. The software is self-explanatory and a detailed instruction manual is supplied. Sample programs are already saved to the device.
- Low compressed air costs: Very good blasting results can be achieved with low pressures starting from 2 bar.
- Low costs for sandblasting resist tape: Sandblasting with low pressure allows the use of very thin and economic blasting films.
- Low costs for abrasive: Sandblasting with low pressure is not only beneficial to the machine but also reduces the abrasive wear.
- Low emission levels: Compared to other machines, the SBM is very quiet and generates very little dust.
- Templates: For repetitive designs and logos starting from lot size 3, sandblasting templates made of sheet steel offer a high saving potential compared to the use of sandblasting films.
- Rational working procedures: While the machine is still working, the next job can be prepared and the next objects loaded.

▼ Accessories

Sandblasting agent: High grade corundum, white, 120 µm, iron-free
· Set of magnets for use with metal templates · Additional suction holders on the blasting surface for working with several panes at a time · Version with shading programme available · additional blasting fields



Specifications	SBM 1500 Sandblasting System	SBM 1500P Sandblasting System · Shading Programme	Sandblasting Systems SBM2500P · Shading Programme
Number of drives	2	2	2
Speed of x-axis	infinitely adjustable 6 m/min	infinitely adjustable 6 m/min	infinitely adjustable 6 m/min
Speed of y-axis	infinitely adjustable 24 m/min	infinitely adjustable 24 m/min	infinitely adjustable 24 m/min
Glass thickness	3 - 40 mm	3 - 40 mm	3 - 40 mm
Max. glass height	2000 mm	2000 mm	optionally: 3200 mm 2600 mm
Pane length	unlimited	unlimited	unlimited
Max. blasting surface	2900 x 1500 mm	2900 x 1500 mm	4000 x 2550 mm
Blasting pressure	infinitely adjustable 5.5 bar	infinitely adjustable 5.5 bar	infinitely adjustable 5.5 bar
Blasting performance	8 m²/h	8 m²/h	16 m²/h
Electrical connection	2 kW, 400 V, 50 Hz, 3 NPE	2 kW, 400 V, 50 Hz, 3 NPE	2 kW, 400 V, 50 Hz, 3 NPE
Dimensions	4100 x 1850 x 2500 mm	4100 x 1850 x 2500 mm	5100 x 2060 x 3420 mm
Working temperature	10 - 40 °C	10 - 40 °C	10 - 40 °C
Art. No.	BO SBM1500	BO SBM1500P	BO SBM2500P

03 | Grinding Machines

Twin Belt Grinding Machines

Bohle twin belt grinding machines are used for efficient arrissing of glass panes. These machines are available in diverse dry and wet grinding models and are especially suitable for multi-shift, high production use in industrial glass processing.

▶ Twin Belt Grinding Machine "Twin Belt" for Dry Grinding

Bohle twin belt grinding machines for dry grinding are, among other things, ideally suited for processing glass with a protective film or water-sensitive coating. Certified filtering systems keep glass surfaces clean after grinding. In this way scratches are avoided.

Features

- Manufactured by Bohle in Germany
- Manual machine for dry grinding
- High quality grinding for sensitive glass like Low-E
- Optimum cooling by special air guides
- Powerful filter technology ensures that workplace conforms to standards
- Especially high productivity when diamond belts are used
- Optional air cushion table for easy handling and scratch prevention

▼ Accessories

Castor roller worktable and extensions · Air-cushioned table, adjustable to glass weight · Support rollers for large glass panes · Pneumatic folding stopper for positioning · Corner edging devices for dry grinding · Filtering system for dry grinding



Specifications	Twin Belt KSA 15T	Twin Belt Compact KSA-C 15T
Type	for straight edges and shapes	for straight edges
Belt length	100 x 1830 mm	100 x 1160 mm
Belt speed	15 m/s	15 m/s
Electrical connection	6 kW, 400 V, 50 Hz, 3 NPE	5 kW, 400 V, 50 Hz, 3 NPE
Dimensions	1100 x 1050 x 1800 mm	700 x 660 x 1600 mm
Glass thickness	3 - 20 mm	3 - 12 (20) mm
Art. No.	BO 80.12-T	BO 80.13-T



Twin Belt Grinding Machine "Twin Belt" for Wet Grinding

Twin belt grinding machines for the use of diamond belts and other high performance belts in industry in particular, as well as for use in workshops. Top model with two belt speeds · high efficiency and improved grinding results · ideal for straight edges and shape cuts · two modes of operation : Grinding at the "hard belt" for straight edges, grinding at the "soft belt" to grind shaped glass panes · heavy-duty construction · low vibration run to obtain optimum grinding results · infinitely adjustable belt tension by pneumatic control within easy reach · attachment of a coolant circulation system possible · easy exchange of belts due to the large side door · easy setting of glass thickness and arris

Features

- Manufactured by Bohle in Germany
- Manual machine for wet grinding
- High performance for perfect edge quality
- Adjustable glass thickness and depth of arris
- Especially high productivity when diamond belts are used



Accessories

Castor roller worktable and extensions · Support rollers for large glass panes · Pneumatic folding stopper for positioning · Corner edging devices for dry grinding · Coolant Circulation Systems

03

Glass Processing
Machinery



Specifications	Twin Belt KSA 15/30	Twin Belt compact KSA-C 15/30
Belt type	hard and soft	hard
Belt length	100 x 1830 mm	100 x 1160 mm
Belt speed	15 / 30 m/s	15 / 30 m/s
Electrical connection	4 kW, 400 V, 50 Hz, 3 NPE	4 kW, 400 V, 50 Hz, 3 NPE
Dimensions	1100 x 1050 x 1800 mm	700 x 660 x 1600 mm
Glass thickness	3 - 20 mm	3 - 20 mm
Art. No.	BO 80.12-P	BO 80.13-P

Belt Grinding Machines

The right application for all requirements: Bohle glass belt grinding machines are available as Master Belt and Versalux. All models can be optionally equipped with comprehensive accessories. At Bohle, top quality workmanship to ensure a longer service life is a matter of course: screws, sheet metal and roller axes which are exposed to water are made of stainless steel; the machine housing is galvanised and lacquered. Smooth running is achieved by rubber-coated rollers.



Glass Belt Grinding Machine Master Belt

The Bohle glass belt grinding machines are available with castor roller table and different belt speeds. · All models can be optionally equipped with comprehensive accessories.

Features

- Manufactured by Bohle in Germany
- Large contact roller (Ø 200 mm) for minimal hollow grinding
- All machine parts subject to humidity made of stainless steel
- Castor roller working table, 1200 x 600 mm
- Grinding and arissing unit with handwheel and special stopper for precise arrises
- Including height adjustment for grinding and arissing unit
- Socket for coolant circulation system and thermal motor protection
- On/off switch with emergency stop function and undervoltage release
- Lateral speed adjustment system within the operator's reach
- Articulated cooling hose for direct cooling of the grinding area
- Connection of coolant circulation system is possible
- Fixing points for comprehensive accessories available



Accessories

Table extensions and pull-outs
· Coolant collecting trays and circulation systems · Grinding tables for small panes · Stopper rollers for grinding circular panes



Master Belt with accessories

Specifications	Master Belt 11	Master Belt 11/22	Master Belt 8/30 -S	Master Belt 8/25 -SE
Belt length	100 x 1830 mm	100 x 1830 mm	100 x 1830 mm	100 x 1830 mm
Electrical connection	1.1 KW, 400 V, 50 Hz, 3 NPE	1.4/1,8 kW, 400 V, 50 Hz, 3 NPE	2.2 kW, 400 V, 50 Hz, 3 NPE	1.1 kW, 230 V, 50 Hz, 1 NPE
Working height	1050 mm	1050 mm	1050 mm	1050 mm
Contact roller	200 mm Ø	200 mm Ø	200 mm Ø	200 mm Ø
Belt speed	11 m/s	2-speed 11/22 m/s	Infinitely adjustable 8 - 30 m/s	Infinitely adjustable 8 - 25 m/s
Dimensions	1200 x 1130 x 1720 mm	1200 x 1130 x 1720 mm	1200 x 1130 x 1720 mm	1200 x 1130 x 1720 mm
Art. No.	BO 80.3-1N	BO 80.5N	BO 80.6-SN	BO 80.6-SEN



Features

- Manual machine with one belt speed
- For basic grinding
- Integrated coolant circulation system
- Simple belt exchange system for grinding and araising
- Accommodates all standard silicon carbide abrasive belts (100 x 2690 mm)



Belt position "straight grinding"



Belt position "lower edge grinding"



Belt position "upper edge grinding"

Specifications	Versalux MkV
Electrical connection	2 Kw, 230 V, 50 Hz, 1 NPE
Belt speed	7.5 m/s
Dimensions	900 x 500 x 1700 mm
Art. No.	BO 6300601

Disc Grinding Machines

Wet grinding machines suitable for grinding and polishing of different kinds of glass and for processing flat glass and edges. The magnetically coated grinding discs can easily be exchanged on the steel baseplate.

▶ Disc Grinding Machines

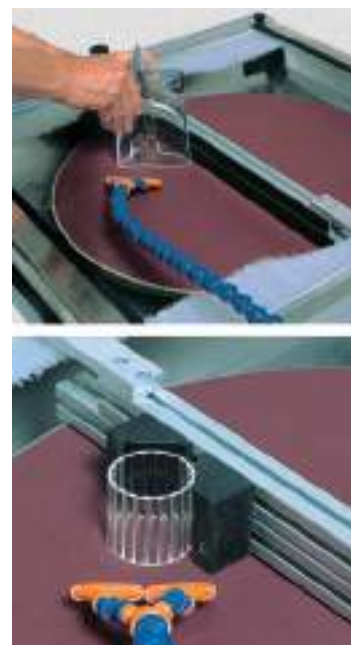
Features

- Manufactured by Bohle in Germany
- Frequency-controlled speed with electronic brake
- Precisely ground steel disc ø 600 mm
- Vibration-free run for optimum grinding results
- Quick and easy exchange of magnetic grinding discs
- Central coolant supply through the axle of the grinding disc
- Additional cooling via articulated hose
- Clockwise and anti-clockwise rotation for optimum use of abrasive agent
- Stainless steel coolant tray with conductive elements for reducing the resulting water mist



▼ Accessories

Adjustable stopper system, foldable
· Prism for grinding cylindrical parts · Bevel guide 45° · Coolant Circulation System



Optional Accessories

Specifications	Plano 600-S
Speed	infinitely adjustable 100 - 800 rpm
Disc support	600 mm Ø
Rotational direction	clockwise and anti-clockwise
Water connection	1/2 "
Electrical connection	1.5 kW, 400 V, 50 Hz, 3 NPE
Dimensions	800 x 800 x 1000 mm
Art. No.	BO 81.3-S

Straight Line Edgers

Vetrocraft® Straight Line Edgers

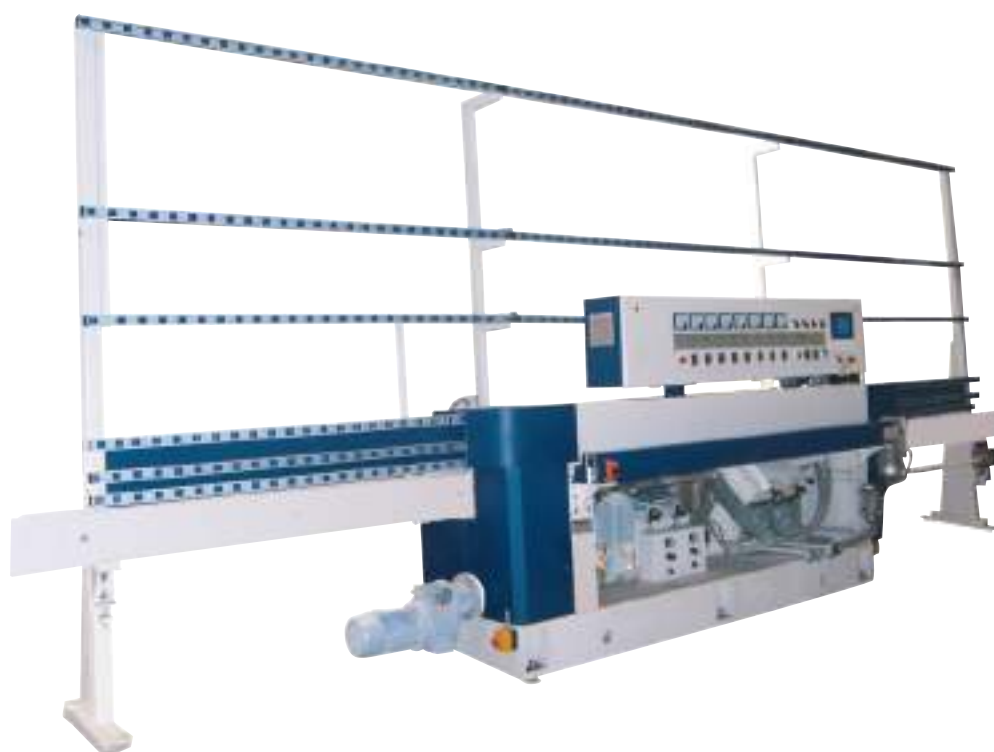
The vertical straight line edgers from Bohle are suitable for the efficient grinding, polishing and araising of straight edges. The machines are available with 4, 6, 8 or 9 spindles and process glass panes that are 3 - 28 mm thick and weigh up to 300 kg. The working speed is infinitely adjustable from 0.8 to 3 metres per minute.

Features

- Automatic vertical grinding machine for edge and arris
- Easy operation by PLC control
- Automatic or manual operation
- Excellent grinding results
- Sturdy, vibration-free construction
- Minimal maintenance costs
- Exceptional value for money

Accessories

Process Water Treatment · Cooling lubricant · Grinding and polishing wheels for laminated safety glass



Specifications	Vetrocraft SL4328A	Vetrocraft SL6328A	Vetrocraft SL8328A	Vetrocraft SL9328A
Spindles	4	6	8	9
Glass thickness adjustment	semi-automatic	semi-automatic	semi-automatic	semi-automatic
Dimensions	5600 x 1600 x 2100 mm	6500 x 1600 x 2500 mm	6500 x 1600 x 2600 mm	7000 x 1500 x 2500 mm
Output	7.5 kW	11 kW	13.8 kW	19 kW
Electrical connection	400 V, 50 Hz, 3 NPE	400 V, 50 Hz, 3 NPE	400 V, 50 Hz, 3 NPE	400 V, 50 Hz, 3 NPE
Art. No.	BO SL4328A	BO SL6328A	BO SL8328A	BO SL9328A

04 | Drilling Machines

Automatic Drilling Machines

▶ Super Drill Eco

Automatic glass drilling machines are considered standard equipment for every glass processor. These machines prove themselves daily, particularly for universal processing of glass panes of diverse sizes. The Bohle automatic glass drilling machines distinguish themselves by their easy adjustability, programmable setting parameters and spacious work area.

Features

- Manufactured by Bohle in Germany
- Double-sided horizontal drilling machine
- Contact-free digital measuring systems for drilling depth
- Easy digital adjustment of the drilling depth via the control panel
- Easy zero setting of the drill by push-button
- Infinitely adjustable advancing of both spindles
- Drill diameters from 3 to 100 mm

▼ Accessories

Ball castor tables of various sizes
· Coolant collecting trays and circulation systems · Mechanical positioning stoppers · Laser positioning device · Halogen lamp



Super Drill Eco with accessories

Specifications	Super Drill Eco
Dimensions	800 x 1660 x 1850 mm
Electrical connection	2 x 1.1 kW, 400 V, 50 Hz, 3 NPE
Glass thickness	(one-sided up to 40 mm) 3 - 20 mm
Art. No.	BO 79.9-2D

Manual Drilling Machines

As in the past, glass drilling machines with manual feed are part of the basic equipment of every glazier's workshop. These machines are indispensable, particularly for the universal processing of small and medium sized glass panes in small quantities. Because the requirements are diverse, in this section Bohle offers double-sided as well as basic one-sided tabletop drilling machines. These machines are very sturdy and easy to adjust.



Profi Drill

The manual operation of both spindles of the Profi Drill series of double-sided horizontal glass drilling machines is done from above. This allows quick and precise drilling.

Features

- Manufactured by Bohle in Germany
- Double-sided horizontal drilling machine
- Electronic speed control via frequency converter
- Long reach of 1000 mm
- Sturdy construction - also suitable for countersinking
- Professional drill heads with precise, smooth-running drill spindles
- Easy operation and maintenance
- All parts made of stainless steel, galvanised or lacquered twice



Accessories

Table extensions with castor rollers · Lateral and front additional supports · Laser as positioning aid · Positioning stoppers · Halogen lamp · Coolant Circulation System



Profi Drill 2/1000-S

Specifications	Profi Drill 2/1000-S
Electrical connection	2 kW, 400 V, 50 Hz, 3 NPE
Dimensions	760 x 1530 x 1650 mm
Speed	infinitely adjustable 300 - 3500 rpm
Glass thickness	(one-sided up to 40 mm) 3 - 20 mm
Drill diameters	3 - 80 mm
Art. No.	BO 79.3-S



Manual Drilling Machine - Pico Drill

Pico Drill from Bohle is an economical one-sided drilling machine with continuous speed adjustment, which can be used as a portable tabletop model or as a drilling table. Its very compact design makes the Pico Drill ideal for use at the construction site or in the workshop. The safety switch as standard significantly reduces the risk of accidents. The Pico Drill 100 L version with point laser positioning enables much easier alignment of the drilling machine on the glass.

Features

- Powerful drill with continuous speed control
- Easy adjustment of drilling depth by stopper
- Good support of the glass by different drill templates
- Easy electrical connection with Schuko plug and safety switch as standard
- For drill diameters between 3 and 75 mm



BO 79.200L
BO 79.201L



BO 79.200
BO 79.201



BO 79.260



BO 79.250

Specifications	Pico Drill 100 T Tabletop Drilling Machine with water tray, 230 V / 50-60 Hz	Pico Drill 100 T with table W 1350 x D 890 mm, working height 960 mm, 230 V / 50-60 Hz	Pico Drill 100, 230 V / 50-60 Hz	Pico Drill 100, 110 V / 50-60 Hz
Art. No.	BO 79.250	BO 79.260	BO 79.200	BO 79.201
Specifications	Pico Drill 100 L with point laser, 230 V / 50-60 Hz	Pico Drill 100 L, 110 V / 50-60 Hz with point laser	Laser for Pico Drill 79.200, 79.201, 79.200L and 79.201L	Cross laser for Pico Drill 79.250 and 79.260
Art. No.	BO 79.200L	BO 79.201L	BO 79.210	BO 79.215

05 | Glass Washing Machines

Verti-Clean Glass Washing Machines

03

Glass Processing
Machinery

▶ Verti-Clean

The powerful systems of the Verti-Clean series are ideal for cleaning flat glass after processing. The open construction also allows panes to be washed that are higher than the machine itself.

Features

- Space-saving vertical construction
- Motor-driven inlet and outlet with shut-off
- 2 - 4 brushes
- Thermostat-controlled warm water preparation
- Automatic hot-air blower in sound-insulated casing for clean, dry panes
- Exit side with illuminated inspection station for reliable quality control of glass

▼ Accessories

Entry and exit extensions · Damper for hot air · Brushes for Low-E
· Washing compound for glass washing machines



Further models on request.

Specifications	Verti-Clean 13.2	Verti-Clean 15.4	Verti-Clean 16.4	Verti-Clean 16.4-20
Washing height	1300 mm	1500 mm	1600 mm	1600 mm
Number of brushes	2	4	4	4
Glass thickness	3-12 mm	3-12 mm	3-12 mm	3-20 mm
Total length	4850 mm	5100 mm	5100 mm	5100 mm
Total height	2050 mm	2150 mm	2250 mm	2250 mm
Art. No.	BO 84.132	BO 84.154	BO 84.164	BO 84.164-2

06 | Machine Accessories

Coolant Circulation Systems

▶ Coolant Circulation Systems

Nowadays, whenever glass processing machines are used, coolant circulation systems should naturally be on hand as well. Not only do such systems offer significant potential for cutting water costs, but the resulting longer service life of tools also helps to amortise the investment quickly. Another benefit is that your glass processing results are improved due to optimum cooling and the option of using cooling lubricants.

Features

- Manufactured by Bohle in Germany
- Water consumption is significantly reduced.
- Cooling lubricants can be used, resulting in improved glass processing, extended service lives of tools and reduction of effort required for cleaning.
- Water and waste water connections are not needed at the machine site.
- No costly drainage systems required
- Sludge can be easily removed.
- Special chamber system improves cleaning of the water.

▼ Accessories

Transport roller for KUS 1 - KUS 2-1
· Coolant concentrate



Specifications	KUS 1-S	KUS 2	KUS 2-1	KUS 3
Tank size	50 litres	50 litres	50 litres	100 litres
Flow rate	60 l/min	60 l/min	100 l/min	60 l/min
Dimensions	600 x 410 x 540 mm	850 x 500 x 570 mm	850 x 500 x 570 mm	1200 x 800 x 500 mm
Electrical connection	0.17 kW, 230 V, 50 Hz, 1 NPE	0.16 kW, 400 V, 50 Hz, 3 NPE	0.4 kW, 400 V, 50 Hz, 3 NPE	0.16 kW, 400 V, 50 Hz, 3 NPE
Art. No.	BO 78.81S	BO 78.82	BO 78.82-1	BO 78.95

Specifications	KUS 3-1	KUS 4-1
Tank size	100 litres	200 litres
Flow rate	100 l/min	100 l/min
Dimensions	1200 x 800 x 750 mm	1500 x 1000 x 750 mm
Electrical connection	0.4 kW, 400 V, 50 Hz, 3 NPE	0.4 kW, 400 V, 50 Hz, 3 NPE
Art. No.	BO 78.95-1	BO 78.96-1

Dust Filtering Systems



Dust Filtering Systems

Dry grinding produces dust which must be extracted and filtered out as near as possible to the site where it originates. For this purpose Bohle offers powerful filtering systems especially designed for extracting aggressive glass dust. Used together with Bohle twin belt grinding machines, these filtering systems fulfil the strict environmental regulations for set-up at the workplace.

Features

- Suitable for Twin Belt grinding machine for dry grinding
- Certified for set-up directly at the workplace
- Low operating expenses
- High suction rating for good cleaning of ground glass panes
- Convenient dust extraction due to tiltable filter housing
- Special filter cartridges for glass dust
- Fully automatic cleaning of permanent filter cartridges (dust class M)
- Mobile with 6 castors
- Minimal generation of noise thanks to sound-absorbing filter housing



Accessories

Connecting hoses



Specifications	Dustomat Filtering System
Art. No.	BO 89.205

07 | Worktable

Tilting Table for Glaziers

The top quality Bohle glazier's tilting table offers excellent value for money and can be used as cutting table as well as work area. The table is lined with black felt.

▶ Tilting Table for Glaziers

Working · tilting · move / store

Features

- Easy handling
- Saves space in your workshop
- Flexible use
- Continuous tabletop with high-quality glazier felt cover, 4 mm
- Supplied completely assembled



Work



Tilt



Move / Store

Specifications	WSTT
Size	2500 x 1700 x 900 mm
Load	max. 225 kg
Tilting	manual
Art. No.	BO WSTT

Grinding · Drilling · Sawing

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Grinding · Drilling · Sawing

Bohle offers a large range of stationary and mobile glass processing machines and manual tools for glass grinding,

drilling and sawing. Comprehensive accessories as well as consumables complete the Bohle product range.

You will find more products and further information at www.bohle-group.com.



01 | Glass Grinding

Power Tools for Glass Grinding

▶ Makita Belt Grinding Machine 9404



For arrissing glass edges by dry grinding · good weight distribution and large base plate for clean grinding without grooves · also for stationary use (see accessories) · includes: dust bag, graphite sheet, cork sheet, grinding belt
Please note: This tool is for dry grinding only!

i Belt speed 3.5 - 7.3 m/s · Belt size 100 x 610 mm · Output 230 V / 50 Hz / 1010 W

Art. No.

BO 5300405

▶ Accessories for Makita Belt Grinding Machine



Practical accessories and suitable abrasive belts can be found in the following table.

Art. No.	Description · Grit · Length · Width
BO 5300408	Support
BO 5300406	Cork sheet
BO 5300407	Graphite sheet
BO 5300409	Dust collection bag
BO 5061006	SIC abrasive belt · 60
BO 5061008	SIC abrasive belt · 80
BO 5061010	SIC abrasive belt · 100
BO 5061012	SIC abrasive belt · 120
BO 5061015	SIC abrasive belt · 150
BO 5061018	SIC abrasive belt · 180
BO 5061024	SIC abrasive belt · 240
BO 5061032	SIC abrasive belt · 320
BO 5061001N	Cork polishing belt · 610 mm · 100 mm

04

Grinding,
Drilling,
Sawing



Flex Wet Belt Grinder



For grinding glass, ceramic and similar materials · quick belt changing system · included: lateral handle, set of gliding sections, Allen key, flat grinding shoe, curved grinding shoe (for inner radii), abrasive belt BO 5053310, BO 5053324, BO 5353340

i For water-cooled grinding belts 30 x 533 mm · Output 230 V / 50 HZ / 550 W · Belt speed 10 m/s

Please note:

* = Standard quality
** = Industrial quality

Art. No.	Description
BO 80.107	For isolating transformer
BO 80.108	With PRCD safety switch
BO 80.B1107	Spare carbon brushes
SP 80.B0484	Grinding arm complete
BO 78.BG021	Draw roll complete
SP 78.BG003	Grinding shoe, curved
SP 78.BG005	Grinding shoe, flat
SP 78.T0007	Gliding pad
BO 5053305	Polishing belt, A5 · brown · 533 mm · 30 mm
BO 5053335	Abrasive belt, A35 · green · 533 mm · 30 mm
BO 5453306	Diamond belt · K 60 / N 250 · green · *
BO 5453310	Diamond belt · K 1000 / N 10 · blue · *
BO 5453312	Diamond belt · K 120 / N 125 · black · *
BO 5453322	Diamond belt · K 220 / N 74 · red · *
BO 5453340	Diamond belt · K 400 / N 40 · yellow · *
BO 5453360	Diamond belt · K 600 / N 20 · white · *
BO 5553306	Diamond belt · K 60 / N 250 · green · **
BO 5553310	Diamond belt · K 1000 / N 10 · blue · **
BO 5553312	Diamond belt · K 120 / N 125 · black · **
BO 5553322	Diamond belt · K 220 / N 74 · red · **
BO 5553340	Diamond belt · K 400 / N 40 · yellow · **
BO 5553360	Diamond belt · K 600 / N 20 · white · **



SDA Structured Diamond Belt 533 x 30 mm



i Length 533 mm · Width 30 mm

Art. No.	Grit · Colour
BO 5453306T	60 · green
BO 5453310T	100 · black
BO 5453320T	200 · red
BO 5453340T	400 · yellow

World's First

The first diamond grinding belt which is equally suitable for both wet and dry grinding!



Abrasive Diamond Belts, Standard Quality 533 x 30 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste ·

* = Standard quality ** = Industrial quality

i Length 533 mm · Width 30 mm

Art. No.	Description · Grit · Colour · Version
BO 5453306	Diamond belt · K 60 / N 250 · green · *
BO 5453312	Diamond belt · K 120 / N 125 · black · *
BO 5453322	Diamond belt · K 220 / N 74 · red · *
BO 5453340	Diamond belt · K 400 / N 40 · yellow · *
BO 5453360	Diamond belt · K 600 / N 20 · white · *
BO 5453310	Diamond belt · K 1000 / N 10 · blue · *

Practical Tip:

Ensure that the grinding area is cooled well.



Silicon Carbide Abrasive Belts 533 x 30 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 533 mm · Width 30 mm

Art. No.	Description · Grit
BO 5053306	SIC abrasive belt · 60
BO 5053308	SIC abrasive belt · 80
BO 5053310	SIC abrasive belt · 100
BO 5053312	SIC abrasive belt · 120
BO 5053315	SIC abrasive belt · 150
BO 5053318	SIC abrasive belt · 180
BO 5053322	SIC abrasive belt · 220
BO 5053324	SIC abrasive belt · 240
BO 5053332	SIC abrasive belt · 320
BO 5053340	SIC abrasive belt · 400

04

Grinding,
Drilling,
Sawing



Multi-Purpose Sander Makita 9031



Please note:
This tool is for dry grinding
only !

For dry edging and arissing of glass and similar materials · infinitely adjustable · easy use in difficult-to-reach spots due to removable swivelling handle · long gliding shoe for even grinding

i Output 230 V / 50 Hz / 550 W · Belt speed 4 - 15 m/s · Belt size 30 x 533 mm · Weight 2.1 kg

Art. No.	Description
BO 5300300	Multi-purpose sander
BO 5300302	Gliding shoe
BO 5300300R	Deflection roller, complete
BO 5053301N	Cork polishing belt · 533 mm · 30 mm
BO 5300303	Spare carbon brush
BO 5053306	SIC abrasive belt · 60
BO 5053308	SIC abrasive belt · 80
BO 5053310	SIC abrasive belt · 100
BO 5053312	SIC abrasive belt · 120
BO 5053315	SIC abrasive belt · 150
BO 5053318	SIC abrasive belt · 180
BO 5053322	SIC abrasive belt · 220
BO 5053324	SIC abrasive belt · 240
BO 5053332	SIC abrasive belt · 320
BO 5053340	SIC abrasive belt · 400



Pneumatic Drilling Machine DB 10 with quick-action chuck and cooling system



Metabo basic machine, retrofitted by Bohle for use as a water-cooled glass processing machine (order reduction nose BO 80.BG103 separately). For grinding tasks use in conjunction with abrasive diamond cartridges or other abrasive products. For grinding and polishing small drill holes, radii and breakouts with limited accessibility. Bohle offers an extensive range of corresponding supports and abrasive and polishing cartridges with graduated grits ranging from course grinding to fine polishing.



i Air requirement 360 l/min · Speed 1800 rpm · Drill chuck width 3 - 10 mm

Art. No.	Description
BO 79.102	Pneumatic Drilling Machine DB 10
BO 80.BG103	Reduction Hose, complete



Support for Abrasive Cartridges



Elastic rubber body with skewed slits for attaching and exchanging abrasive cartridges

i Shaft diameter 6 mm

Art. No.	Diameter · Height
BO 5007545	15 mm · 30 mm
BO 5007546	45 mm · 30 mm

▶ Abrasive Diamond Cartridges



For grinding even the smallest and most difficult-to-process bore holes, radii and cut-outs · abrasive diamond cartridges are mounted onto support BO 5007545 · N = for grinding · R = for polishing

i Diameter 15 mm · Height 30 mm

Please note:
For use with coolant only!

Art. No.	Grit · Colour
BO 5007585	60 / N 250 · green
BO 5007586	120 / N 125 · black
BO 5007587	220 / N 74 · red
BO 5007588	400 / N 40 · yellow
BO 5007589	600 / N 20 · white
BO 5007590	1000 R · blue
BO 5007591	8000 R · orange

▶ Abrasive Diamond Ring, "T"



For corner edging device on twin belt grinding machines

Art. No.	Grit · Diameter · Width
BO 5007583	120 / N125 · 100 mm · 38 mm
BO 5007584	220 / N74 · 100 mm · 38 mm

04

Grinding,
Drilling,
Sawing

▶ Abrasive Diamond Cartridges



For grinding even the smallest and most difficult-to-process bore holes, radii and cut-outs · abrasive diamond cartridges are mounted onto support BO 5007546 · N = for grinding · R = for polishing

i Diameter 45 mm · Height 30 mm

Please note:
For use with coolant only!

Art. No.	Grit · Colour
BO 5007592	60 / N 250 · green
BO 5007593	120 / N 125 · black
BO 5007594	220 / N 74 · red
BO 5007595	400 / N 40 · yellow
BO 5007596	600 / N 20 · white
BO 5007597	1000 R · blue
BO 5007598	8000 R · orange

▶ "Kristall 2000 S" Glass Grinder



Glass grinding machine for all art glass work. The grinding head is cooled by an integrated pump which transports the coolant directly to the grinding head. Due to the efficient, double ball-bearing motor, the "Kristall 2000 S" can be additionally equipped, e.g. with the diamond band saw attachment TG H200. A 19 mm grinding head is included.

i Work surface 280 x 235 mm · Output 100 W · Voltage 230 V · Speed 2800 rpm

Art. No.	Description
TG 003S	Kristall 2000 S
TG 003.5	Spare ring for work surface · ø 25 mm



Pump for Drilling Head

For "Kristall 2000 S" glass grinder · allows water supply to grinding quills / grinding quills with drill



Art. No.

TG 003BKP



Diamantor® Band Saw Attachment



The band saw attachment (without drive motor) enables you to transform almost any glass grinder (regardless of whether it is a European or American model) into a fully functional glass band saw in just a few steps. The fact that the Diamantor® saw band is diamond coated all around makes all the difference because that makes it possible to cut even very tight curves and complicated shapes with ease and precision. The self-centring run of the belt means that the saw band does not need guides or complicated band run adjustments: you simply put the saw band on. The Diamantor® band saw attachment naturally uses the coolant of the glass grinder. It is suitable not only for sawing glass, but also for other hard materials like stone, steel, brass, ceramic or glass fibre-reinforced plastic. Special Feature: Easy and precise cutting of shapes because the saw band is diamond coated all around.

Art. No.	Description
TG H200	Band saw attachment
TG H201	Spare saw band · 3.4 mm wide
TG H214	Spare sponge · 48 x 103 mm
TG H216.01	Spare drive cone
TG H218.01	Spare elastic band with hook



Saw Bands and Ring Blades



Made of high quality, stainless copper alloy, standard saw bands with diamond coating on one side · other lengths available on request

Art. No.	Length · Width · Height · Description
TG H80	1060 mm · 3 mm · 0.3 mm · "Proxxon"
TG H81.1	960 mm · 3 mm · 0.3 mm · "Inland"
TG H82.1	ø 145 mm "Taurus"
TG H85.5	2260 mm · 6 mm · 0.3 mm · Saw band
TG H85.8	2260 mm · 10 mm · 0.5 mm · Saw band

Grinding Belts and Abrasives for Machines

Bohle offers different glass grinding belts which are suitable for a variety of glass belt grinding machines for edge processing of flat and hollow glass. The most common belt dimensions for almost all machine types are available from Bohle. Please note the large variety of different qualities to meet any work requirement. Please note: Grits and dimensions not mentioned in this catalogue are available on request.

Abrasive Diamond Belts

These special, excellent Bohle quality grinding belts are particularly suitable for work demanding high quality results. Due to the special belt fastening, you do not need to pay attention to the belt run direction. In order to obtain even better grinding results the belt run direction can be altered. All belts have a heavy, synthetic support material. To achieve a high removal efficiency, diamond belts should be run at high speeds. Cooling is usually done with water, except for special, air-cooled grinding machines such as, for example, the Bohle Twin Belt Grinding Machine "Twin Belt" for dry grinding.



04

Grinding,
Drilling,
Sawing

Abrasive Diamond Belts, Industrial Quality

These abrasive diamond belts offer superior grinding abilities and high quality results, with reduced grinding times. This is made possible by the special design of the diamond coating and the improved adhesion to the support material. Bohle abrasive diamond belts offer top quality and excellent value for money.



Abrasive Diamond Belts, Industrial Quality 533 x 30 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste ·

* = Standard quality ** = Industrial quality

i Length 533 mm · Width 30 mm

Art. No.	Description · Grit · Colour · Version
BO 5553306	Diamond belt · K 60 / N 250 · green · **
BO 5553312	Diamond belt · K 120 / N 125 · black · **
BO 5553322	Diamond belt · K 220 / N 74 · red · **
BO 5553340	Diamond belt · K 400 / N 40 · yellow · **
BO 5553360	Diamond belt · K 600 / N 20 · white · **
BO 5553310	Diamond belt · K 1000 / N 10 · blue · **

Practical Tip:

Ensure that the grinding area is cooled well.

▶ Abrasive Diamond Belts, Industrial Quality 1160 x 100 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 1160 mm · Width 100 mm

Art. No.	Grit · Colour
BO 5511622	220 / N74 · red
BO 5511632	320 / N54 · purple

Practical Tip:
Ensure that the grinding area is cooled well.

▶ Abrasive Diamond Belts, Industrial Quality 1830 x 100 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 1830 mm · Width 100 mm

Art. No.	Grit · Colour
BO 5518306	60 / N 250 · green
BO 5518312	120 / N 125 · black
BO 5518322	220 / N 74 · red
BO 5518340	400 / N 40 · yellow

Practical Tip:
Ensure that the grinding area is cooled well.

▶ Abrasive Diamond Belts, Industrial Quality 1830 x 60 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 1830 mm · Width 60 mm

Art. No.	Grit · Colour
BO 55183S12	120 / N 125 · black
BO 55183S22	220 / N 74 · red
BO 55183S40	400 / N 40 · yellow

Practical Tip:
Ensure that the grinding area is cooled well.

Abrasive Diamond Belts, Standard Quality

These standard abrasive diamond belts have a diamond coating in the traditional "island" arrangement, but also have improved attachment to the support material. This ensures longer service life, high abrasive capacity and thus ensures efficient work results. These Bohle abrasive diamond belts offer high quality at an economical price.

▶ Abrasive Diamond Belts, Standard Quality 330 x 10 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 330 mm · Width 10 mm

Art. No.	Grit · Colour
BO 5433012	120 / N 125 · black
BO 5433022	220 / N 74 · red
BO 5433040	400 / N 40 · yellow
BO 5433060	600 / N 20 · white

Practical Tip:

Ensure that the grinding area is cooled well.

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Grinding,
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▶ Abrasive Diamond Belts, Standard Quality 533 x 30 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste ·

* = Standard quality ** = Industrial quality

i Length 533 mm · Width 30 mm

Art. No.	Description · Grit · Colour · Version
BO 5453306	Diamond belt · K 60 / N 250 · green · *
BO 5453312	Diamond belt · K 120 / N 125 · black · *
BO 5453322	Diamond belt · K 220 / N 74 · red · *
BO 5453340	Diamond belt · K 400 / N 40 · yellow · *
BO 5453360	Diamond belt · K 600 / N 20 · white · *
BO 5453310	Diamond belt · K 1000 / N 10 · blue · *

Practical Tip:

Ensure that the grinding area is cooled well.



SDA Structured Diamond Belt 533 x 30 mm



i Length 533 mm · Width 30 mm

Art. No.	Grit · Colour
BO 5453306T	60 · green
BO 5453310T	100 · black
BO 5453320T	200 · red
BO 5453340T	400 · yellow

World's First

The first diamond grinding belt which is equally suitable for both wet and dry grinding!



Abrasive Diamond Belts, Standard Quality 1160 x 100 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 1160 mm · Width 100 mm

Art. No.	Grit · Colour
BO 5411632	320 / N 54 · purple

Practical Tip:

Ensure that the grinding area is cooled well.



Abrasive Diamond Belts, Standard Quality 1830 x 100 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 1830 mm · Width 100 mm

Art. No.	Grit · Colour
BO 5418306	60 / N 250 · green
BO 5418312	120 / N 125 · black
BO 5418322	220 / N 74 · red
BO 5418340	400 / N 40 · yellow
BO 5418360	600 / N 20 · white
BO 5418310	1000 / N 10 · blue

Practical Tip:

Ensure that the grinding area is cooled well.



Abrasive Diamond Belts, Standard Quality 1830 x 60 mm



Very long service life · excellent abrasive capacity · less heat at the grinding area leads to better results · low grinding pressure · reduction of grinding time · longer belt life = fewer worn out belts = less waste

i Length 1830 mm · Width 60 mm

Art. No.	Grit · Colour
BO 54183S12	120 / N 124 · black
BO 54183S22	220 / N 74 · red
BO 54183S40	400 / N 40 · yellow

Practical Tip:

Ensure that the grinding area is cooled well.

04

Grinding,
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Silicon Carbide Abrasive Belts

These abrasive belts are widely used for glass processing. Very tough, synthetic belts with high abrasive capacity in optimum quality. The belts are waterproof and are especially suitable for glass, porcelain and plastic. Pre-grinding: grit 60 to 120 · Normal grinding: grit 150 to 240 · Fine grinding: grit 320 to 400



Silicon Carbide Abrasive Belts 533 x 30 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 533 mm · Width 30 mm

Art. No.	Description · Grit
BO 5053306	SIC abrasive belt · 60
BO 5053308	SIC abrasive belt · 80
BO 5053310	SIC abrasive belt · 100
BO 5053312	SIC abrasive belt · 120
BO 5053315	SIC abrasive belt · 150
BO 5053318	SIC abrasive belt · 180
BO 5053322	SIC abrasive belt · 220
BO 5053324	SIC abrasive belt · 240
BO 5053332	SIC abrasive belt · 320
BO 5053340	SIC abrasive belt · 400



Silicon Carbide Abrasive Belts 480 x 70 mm



When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 480 mm · Width 70 mm

Art. No.	Grit
BO 5048012	120



Silicon Carbide Abrasive Belts 552 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 552 mm · Width 100 mm

Art. No.	Grit
BO 5055206	60
BO 5055208	80
BO 5055210	100
BO 5055212	120
BO 5055215	150
BO 5055218	180
BO 5055222	220
BO 5055224	240
BO 5055232	320



Silicon Carbide Abrasive Belts 1160 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 1160 mm · Width 100 mm

Art. No.	Grit
BO 5011608	80
BO 5011610	100
BO 5011612	120
BO 5011618	180
BO 5011622	220
BO 5011632	320



Silicon Carbide Abrasive Belts 1800 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 1800 mm · Width 100 mm

Art. No.	Grit
BO 5018006	60
BO 5018008	80
BO 5018010	100
BO 5018012	120
BO 5018015	150
BO 5018018	180
BO 5018022	220
BO 5018024	240
BO 5018032	320
BO 5018040	400



Silicon Carbide Abrasive Belts 610 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 610 mm · Width 100 mm

Art. No.	Description · Grit
BO 5061006	SIC abrasive belt · 60
BO 5061008	SIC abrasive belt · 80
BO 5061010	SIC abrasive belt · 100
BO 5061012	SIC abrasive belt · 120
BO 5061015	SIC abrasive belt · 150
BO 5061018	SIC abrasive belt · 180
BO 5061024	SIC abrasive belt · 240
BO 5061032	SIC abrasive belt · 320



Silicon Carbide Abrasive Belts 1810 x 50 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 1810 mm · Width 50 mm

Art. No.	Grit
BO 5018108	80
BO 5018112	120
BO 5018122	220
BO 5018132	320
BO 5018140	400



Silicon Carbide Abrasive Belts 1830 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 1830 mm · Width 100 mm

Art. No.	Grit
BO 5018306	60
BO 5018308	80
BO 5018310	100
BO 5018312	120
BO 5018315	150
BO 5018318	180
BO 5018322	220
BO 5018324	240
BO 5018332	320
BO 5018340	400



Silicon Carbide Abrasive Belts 2000 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 2000 mm · Width 100 mm

Art. No.	Grit
BO 5020006	60
BO 5020008	80
BO 5020010	100
BO 5020012	120
BO 5020015	150
BO 5020018	180
BO 5020022	220
BO 5020024	240
BO 5020032	320
BO 5020040	400



Silicon Carbide Abrasive Belts 2500 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 2500 mm · Width 100 mm

Art. No.	Grit
BO 5025006	60
BO 5025008	80
BO 5025010	100
BO 5025012	120
BO 5025015	150
BO 5025018	180
BO 5025022	220
BO 5025032	320
BO 5025040	400



Silicon Carbide Abrasive Belts 2650 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 2650 mm · Width 100 mm

Art. No.	Grit
BO 5026508	80
BO 5026512	120
BO 5026518	180
BO 5026522	220
BO 5026532	320



Silicon Carbide Abrasive Belts 2690 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 2690 mm · Width 100 mm

Art. No.	Grit
BO 6026906	60
BO 6026908	80
BO 6026910	100
BO 6026912	120
BO 6026915	150
BO 6026918	180
BO 6026922	220
BO 6026924	240
BO 6026932	320
BO 6026940	400



Silicon Carbide Abrasive Belts 3000 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 3000 mm · Width 100 mm

Art. No.	Grit
BO 5030008	80
BO 5030010	100
BO 5030012	120
BO 5030015	150
BO 5030018	180
BO 5030022	220
BO 5030024	240
BO 5030032	320
BO 5030040	400



Silicon Carbide Abrasive Belts 3300 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 3300 mm · Width 100 mm

Art. No.	Grit
BO 5033008	80
BO 5033010	100
BO 5033012	120
BO 5033018	180
BO 5033022	220
BO 5033032	320
BO 5033040	400



Silicon Carbide Abrasive Belts 3350 x 100 mm

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 3350 mm · Width 100 mm

Art. No.	Grit
BO 5033508	80
BO 5033510	100
BO 5033512	120
BO 5033515	150
BO 5033518	180
BO 5033522	220
BO 5033524	240
BO 5033532	320
BO 5033540	400



Silicon Carbide Abrasive Belts 1500 x 120 mm



When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use



i Length 1500 mm · Width 120 mm

Art. No.	Grit
BO 5015006	60
BO 5015008	80
BO 5015012	120

Compact Grain Abrasive Belts

These coarse grit, waterproof abrasive belts have a long service life and a high grain reserve. The silicon carbide abrasive particles have several layers ("grain piles"), which results in self-sharpening during grinding. These belts grind approx. 1-2 grades coarser than normal belts.



Compact Grain Abrasive Belts 1830 x 100 mm

Long service life (approx. 3 times as long as standard belts) · uniform abrasive capacity and grinding quality over entire life of the belt



i Length 1830 mm · Width 100 mm

Art. No.	Grit
BO 5118308	80
BO 5118312	120
BO 5118318	180
BO 5118324	240
BO 5118332	320
BO 5118340	400



Compact Grain Abrasive Belts 2500 x 100 mm

Long service life (approx. 3 times as long as standard belts) · uniform abrasive capacity and grinding quality over entire life of the belt



i Length 2500 mm · Width 100 mm

Art. No.	Grit
BO 5125008	80
BO 5125012	120
BO 5125018	180
BO 5125024	240
BO 5125040	400



Compact Grain Abrasive Belts 2690 x 100 mm

Long service life (approx. 3 times as long as standard belts) · uniform abrasive capacity and grinding quality over entire life of the belt



i Length 2690 mm · Width 100 mm

Art. No.	Grit
BO 6126908	80
BO 6126912	120
BO 6126918	180
BO 6126932	320
BO 6126940	400



Compact Grain Abrasive Belts 3000 x 100 mm

Long service life (approx. 3 times as long as standard belts) · uniform abrasive capacity and grinding quality over entire life of the belt



i Length 3000 mm · Width 100 mm

Art. No.	Grit
BO 5130008	80
BO 5130012	120
BO 5130018	180
BO 5130024	240
BO 5130032	320
BO 5130040	400



Compact Grain Abrasive Belts 3350 x 100 mm

Long service life (approx. 3 times as long as standard belts) · uniform abrasive capacity and grinding quality over entire life of the belt



i Length 3350 mm · Width 100 mm

Art. No.	Grit
BO 5133508	80
BO 5133512	120
BO 5133518	180
BO 5133524	240
BO 5133532	320
BO 5133540	400

Hollow Spherical Abrasive Belts

These coarse grit, waterproof abrasive belts are especially suitable for thick glass. They contain silicon carbide abrasive particles in a hollow spherical compound which break up during the grinding process. Coarse grits (up to 120) have a synthetic support material; fine grits (150 and above) have a cotton support material. These belts grind approx. 2 grades coarser than standard belts.

▶ Hollow Spherical Abrasive Belts 1830 x 100 mm

High abrasive capacity · long service life (several times longer than standard belts) · well-suited for rough pre-grinding and normal grinding work



i Length 1830 mm · Width 100 mm

Art. No.	Grit
BO 5218308	80
BO 5218310	100
BO 5218315	150
BO 5218322	220

Practical Tip:

Because slight changes of roughness occur over the life span of the belt, pre-grinding is recommended prior to use.

Aluminium Oxide Abrasive Belts

These soft, waterproof belts contain very tough, synthetic abrasive particles of high resistance (corundum). They produce a relatively clear grinding result (the glass edge keeps its "green colour"). Many applications do not require additional polishing (grit 180). When high quality is required, you should use a fine aluminium oxide belt (grit 400) prior to polishing with a cork belt. Pre-grinding can be done with belts of appropriate grit. These belts grind approx. 2 grades finer than standard belts.

▶ Aluminium Oxide Abrasive Belts Grit 180

Shorter service life, but higher grinding quality · less reworking · uniform grinding quality over entire life of the belt



i Grit 180

Art. No.	Length · Width
BO 5353318	533 mm · 30 mm
BO 5318018	1800 mm · 100 mm
BO 5318318	1830 mm · 100 mm
BO 5325018	2500 mm · 100 mm
BO 5326518	2650 mm · 100 mm
BO 5330018	3000 mm · 100 mm
BO 5333018	3300 mm · 100 mm
BO 5333518	3350 mm · 100 mm



Aluminium Oxide Abrasive Belts Grit 400

Shorter service life, but higher grinding quality · less reworking · uniform grinding quality over entire life of the belt



i Grit 400

Art. No.	Length · Width
BO 5353340	533 mm · 30 mm
BO 5318040	1800 mm · 100 mm
BO 5318140	1810 mm · 50 mm
BO 5318340	1830 mm · 100 mm
BO 5326540	2650 mm · 100 mm
BO 5330040	3000 mm · 100 mm
BO 5333040	3300 mm · 100 mm
BO 5333540	3350 mm · 100 mm



Aluminium Oxide Abrasive Belts Grit 500

Shorter service life, but higher grinding quality · less reworking · uniform grinding quality over entire life of the belt



i Grit 500

Art. No.	Length · Width
BO 5318050	1800 mm · 100 mm

04

Grinding,
Drilling,
Sawing

Grinding and Polishing Belts

High performance fine grinding and polishing belts for shorter processing times. Excellent grinding and polishing results and a longer service life. Regardless of which belt you choose, make sure that you work with low belt speed and sufficient coolant.



Trizact™ Grinding and Polishing Belts

Structured small pyramids with finest aluminium oxide · when grinding, new abrasive particles are exposed · smooth, even results · quiet · better polishing, less contamination · uniform performance · strong grinding with little grinding pressure · fewer work steps · shorter processing time



Art. No.	Description · Colour · Length · Width
BO 5017805	Polishing belt, A5 · brown · 1830 mm · 100 mm
BO 5017835	Abrasive belt, A35 · green · 1830 mm · 100 mm
BO 5025005	Polishing belt, A5 · brown · 2500 mm · 100 mm
BO 5025035	Abrasive belt, A35 · green · 2500 mm · 100 mm
BO 5026905	Polishing belt, A5 · brown · 2690 mm · 100 mm
BO 5026935	Abrasive belt, A35 · green · 2690 mm · 100 mm
BO 5030005	Polishing belt, A5 · brown · 3000 mm · 100 mm
BO 5030035	Abrasive belt, A35 · green · 3000 mm · 100 mm
BO 5053305	Polishing belt, A5 · brown · 533 mm · 30 mm
BO 5053335	Abrasive belt, A35 · green · 533 mm · 30 mm



Abrasive/Polishing Belts

Waterproof silicon carbide/cork abrasive belts with polishing effect · simultaneously fine grinds and polishes edge and arris, when required quality of polish is not too high · relatively long service life of belts



i Grit 1000

Art. No.	Length · Width
BO 5018300	1830 mm · 100 mm
BO 5030000	3000 mm · 100 mm

Practical Tip:

Soak belts in water for approx. 30 minutes before use · this improves the service life as well as the polishing results.



Cork Polishing Belts Klingspor CS 322

Waterproof · for polishing ground glass edges · Klingspor CS 322



Art. No.	Length · Width
BO 5053301K	533 mm · 30 mm
BO 5018301K	1830 mm · 100 mm
BO 5025001K	2500 mm · 100 mm
BO 5030001K	3000 mm · 100 mm

Practical Tip:

Soak belts in water for approx. 30 minutes before use · this improves the service life as well as the polishing results.



Cork Polishing Belts Norton



Norton Cork Polishing Belts - continuous development and direct successor model of the Carbo Schröder belts · waterproof · for polishing ground glass edges



Art. No.	Length · Width
BO 5053301N	533 mm · 30 mm
BO 5018101N	1810 mm · 50 mm
BO 5055201N	552 mm · 100 mm
BO 5061001N	610 mm · 100 mm
BO 5018001N	1800 mm · 100 mm
BO 5018301N	1830 mm · 100 mm
BO 6020001N	2000 mm · 100 mm
BO 5025001N	2500 mm · 100 mm
BO 5026501N	2650 mm · 100 mm
BO 6026901N	2690 mm · 100 mm
BO 5030001N	3000 mm · 100 mm
BO 5033001N	3300 mm · 100 mm
BO 5033501N	3350 mm · 100 mm

Practical Tip:

Soak belts in water for approx. 30 minutes before use · this improves the service life as well as the polishing results.

Grinding Discs for Disc Grinding Machines

The following grinding and polishing discs are intended for use with disc grinding machines with steel discs. By using a magnetic film on the back, an even support surface is ensured for good grinding quality, and any necessary grit changes can be done quite easily.

▶ Diamond Grinding Discs · Magnetic (flexible)



For disc grinding machines for wet grinding of glass parts · consists of flexible abrasive diamond coating and magnetic foil on the back · high flexibility: optimum attachment to the grinding discs · very long service life · high abrasive capacity · less heat at the grinding area

i Diameter 600 mm · Centre bore hole 26 mm ø

Art. No.	Grit · Colour
BO 5460006	60 / N 250 · green
BO 5460012	120 / N 125 · black
BO 5460022	220 / N 74 · red
BO 5460040	400 / N 40 · yellow
BO 5460060	600 / N 20 · white
BO 5460010	1000 / N 10 · blue

▶ Diamond Grinding Discs



Galvanically bonded diamond coating on a strong synthetic support material · magnetic film on the back side · continuous abrasive coating · very high service life and abrasive capacity

i Diameter 600 mm · Centre bore hole 26 mm ø

Art. No.	Grit
BO 81.3506	K 60, D 251
BO 81.3510	K 100, D 151
BO 81.3518	K 180, D 75
BO 81.3540	K 400, D 46

▶ Trizact™ Grinding and Polishing Discs

With magnetic film · for disc grinding machines



i Diameter 600 mm

Art. No.	Description · Colour
BO 5060035	Abrasive disc, A35 · green
BO 5060005	Polishing disc, A05 · brown
BO 5060000	Cerium oxide polishing disc



Silicon Carbide Grinding Discs

For disc grinding machines for wet grinding · for attachment to magnetic disc BO 50 078 90 · self-adhesive · easily removable · for attaching professionally, we recommend the centring aid BO 81.50 and the hand roller BO 81.51



i Diameter 600 mm · Centre bore hole 30 mm ø

Please note:

Magnetic films have a magnetic and a non-magnetic side. Grinding pads must be placed onto the non-magnetic side.

Art. No.	Grit · Description
BO 81.3308	60
BO 81.3315	150
BO 81.3322	220
BO 81.3340	400
BO 5007890	Magnetic rubber disc
BO 81.50	Centring aid for attaching grinding pads
BO 81.51	Hand roller



Aluminium Oxide Grinding Discs

For disc grinding machines for wet grinding · for attachment to magnetic disc BO 50 078 90 · self-adhesive · easily removable · for attaching professionally, we recommend the centring aid BO 81.50 and the hand roller BO 81.51



i Diameter 600 mm · Centre bore hole 30 mm ø

Please note:

Magnetic films have a magnetic and a non-magnetic side. Grinding pads must be placed onto the non-magnetic side.

Art. No.	Grit · Description
BO 81.3418	180
BO 81.3440	400
BO 5007890	Magnetic rubber disc
BO 81.50	Centring aid for attaching grinding pads
BO 81.51	Hand roller



Felt Polishing Discs

Magnetic film on the back



i Diameter 600 mm · Centre bore hole 26 mm ø

Art. No.
BO 81.320

Practical Tip:

Use polishing compound
BO 50 080 03 + BO KF15001



Velcro Diamond Discs 100 mm ø



For processing glass

i Diameter 100 mm · Centre hole 25 mm

Art. No.	Grit · Colour
BO 5010071	60 / N 250 · green
BO 5010072	120 / N 125 · black
BO 5010073	220 / N 74 · red
BO 5010074	800 / N 20 · white



Velcro Diamond Discs 115 mm ø



For processing glass

i Diameter 115 mm · Centre hole 25 mm

Art. No.	Grit · Colour
BO 5010081	60 / N 250 · green
BO 5010082	120 / N 125 · black
BO 5010083	220 / N 74 · red
BO 5010084	800 / N 20 · white



Metal Diamond Discs for Dry Grinding of Glass

Velcro fastening · not for use with speeds higher than 3700 rpm · use only with support plate BO 5310081!



i Diameter 115 mm · Centre hole 15 mm

Art. No.	Grit · Colour · Description
BO 5010081T	60 · green
BO 5010082T	120 · black
BO 5010083T	220 · red
BO 5010084T	400 · yellow
BO 5310081	Velcro grinding plate, 115 mm, for use with dry grinding discs with naps in the centre



Velcro Grinding Disc

Suitable for Makita 9500DW angle grinder



i Diameter 99 mm

Art. No.
BO 5300441



Velcro Grinding Disc Without naps in the centre

Without naps in the centre · For Velcro diamond discs and felt polishing discs



Art. No.	Description
BO 5310082	100 mm Ø
BO 5310083	115 mm Ø
BO 5310084	Adaptor M14 for 13 mm shaft, suitable for attaching to a drilling machine



Velcro Felt Polishing Discs

Without bore hole · for polishing ground edges and arrisses



Art. No.	Diameter
BO 5010091	100 mm
BO 5010092	115 mm

Practical Tip:

Use polishing compound
BO 50 080 03 + BO KF15001



Abrasive Diamond Cartridges

For grinding even the smallest and most difficult-to-process bore holes, radii and cut-outs · abrasive diamond cartridges are mounted onto support BO 5007545 · N = for grinding · R = for polishing



i Diameter 15 mm · Height 30 mm

Art. No.	Grit · Colour
BO 5007585	60 / N 250 · green
BO 5007586	120 / N 125 · black
BO 5007587	220 / N 74 · red
BO 5007588	400 / N 40 · yellow
BO 5007589	600 / N 20 · white
BO 5007590	1000 R · blue
BO 5007591	8000 R · orange

Please note:

For use with coolant only!



Abrasive Diamond Cartridges

For grinding even the smallest and most difficult-to-process bore holes, radii and cut-outs · abrasive diamond cartridges are mounted onto support BO 5007545 · N = for grinding · R = for polishing



i Diameter 45 mm · Height 30 mm

Art. No.	Grit · Colour
BO 5007592	60 / N 250 · green
BO 5007593	120 / N 125 · black
BO 5007594	220 / N 74 · red
BO 5007595	400 / N 40 · yellow
BO 5007596	600 / N 20 · white
BO 5007597	1000 R · blue
BO 5007598	8000 R · orange

Please note:

For use with coolant only!

Diamantor® Galvanised Diamond Tools - Made in Germany

Grind	Grit	Application
fine polishing	D 25	Finest polishing
fine	D 54 / D 76	Mirror and fine grinding
standard	D 126	All grinding jobs
power	D 181	Large grinding quantities, extremely long life
super power	D 252	Rapid grinding and milling
turbo	D 126 + grooved substrate	Rough processing with improved flushing



Cylinder Grinding Head



These diamond tools are suitable for use with all glass grinding machines from all manufacturers. When used with the H11 adaptor, the cylinder grinding heads can also be used in standard drilling machines.

Art. No.	Diameter · Version
TG H1	25 mm · standard
TG H1F	25 mm · fine
TG H1P	25 mm · power
TG H1T	25 mm · turbo
TG H2	19 mm · standard
TG H2F	19 mm · fine
TG H2P	19 mm · power
TG H2T	19 mm · turbo
TG H3	16 mm · standard
TG H3F	16 mm · fine
TG H3P	16 mm · power
TG H3SP	16 mm · super power

▶ Grinding Mandrels



Can be used with all grinding machines · can also be used with drilling machines in combination with the H11 adaptor · Grinder mandrel with hole (drilling machine)

Art. No.	Diameter · Version
TG H4	6 mm · standard
TG H4F	6 mm · fine
TG H4P	6 mm · power
TG H4T	6 mm · turbo
TG H16	2 mm · standard
TG H9	3 mm · standard
TG H9F	3 mm · fine
TG H9P	3 mm · power
TG H9SP	3 mm · super power

▶ Grinding Mandrel



i Diameter standard 6 mm

Art. No.	
TG H4L	Grinding Mandrel

▶ Machine Grinding Parts

For polishing and cleaning bead mandrel holes which result when crafting glass beads by flame torching



Art. No.	Diameter · Version
TG H153F	2 mm · fine
TG H154F	3 mm · fine

▶ File for Cleaning Bead Core



Art. No.	Diameter · Version
TG H151F	2 mm · fine
TG H152F	3 mm · fine

▶ Mirror Grinder Head



Suitable for all machines · for edge and ornamental grinding of mirrors · for smoothing ribbed glass and for double-sided araising of glass parts

Art. No.	Diameter · Version
TG H7.1F	10 mm · fine
TG H7	19 mm · standard
TG H7F	19 mm · fine

▶ Mirror Grinder Head



Suitable for all machines · for edge and ornamental grinding of mirrors · for smoothing ribbed glass and for double-sided araising of glass parts

Art. No.	Diameter · Version
TG H6	25 mm · standard
TG H6F	25 mm · fine

▶ Lamp Grinder Head



Suitable for all machines · with a taper of 9° and 18° and a straight middle piece · allows tight positioning of grid pieces · for narrow solder seams

Art. No.	Diameter · Version
TG H8	19 mm · standard
TG H8F	19 mm · fine

▶ Bevel Grinding Head



Fits all grinding machines · in particular suitable for Kristall

Art. No.	Bracket · Diameter · Version
TG H93	7° · 46 mm · standard
TG H93F	7° · 46 mm · fine
TG H94	12° · 42 mm · standard
TG H94F	12° · 42 mm · fine
TG H94PF	12° · 42 mm · fine polishing
TG H96	45° · 34 mm · standard
TG H96F	45° · 34 mm · fine

▶ Drill Adaptor



Receiving element for all kinds of tools which are usually only used in grinding machines

Art. No.	
TG H11	TG H11

▶ Grinder Adaptor



For mounting screw-in bits onto a grinding machine · also suitable for use in standard drilling machines in conjunction with drill adaptor TG H11

Art. No.	
TG H12	TG H12



Core Drill for Adaptor

For adaptor TG H12



i Thread connection M6 x 0.5

Art. No.	Diameter · Version
TG H17	4 mm · standard
TG H18	6 mm · standard
TG H19	8 mm · standard
TG H20	10 mm · standard
TG H21	12 mm · standard
TG H22	15 mm · standard
TG H24	25 mm · standard



Screw-in Grinder



Long service life · excellent edge quality · internal cooling due to optimised cooling channel · large cutting surface of approx. 40 mm · suitable for oscillating functions

Art. No.	Diameter · Version
TG H13	3 mm · standard
TG H14	6 mm · standard
TG H14P	6 mm · power
TG H15	10 mm · standard

04

Grinding,
Drilling,
Sawing

Flushing Head System

The alternative to a professional glass drilling machine. With the flushing head system, any standard drilling machine becomes a glass drilling machine with integrated cooling. Drill heads TG H39 - TG H57 are mounted directly onto the flushing head without the need of an adaptor.



Core Drill Flushing Head System with Foot Switch



Complete system · consisting of flushing head, coolant reservoir, coolant circulation pump and foot switch · drilling machine is not included

Art. No.	
TG H60F	Core Drill Flushing Head System with Foot Switch



Flushing Head

For direct mounting of water-cooled core drills H39 to H57 · no adaptor is required



Art. No.	
TG H66	Flushing Head



Coolant Circulation Pump for Cooling Head

This 230V coolant circulation pump sits in the water tray and pumps the coolant directly into the cooling head.



Art. No.

TG H67

Coolant Circulation Pump for Cooling Head



Water Tray

The water tray is placed beneath a drill stand and acts as a reservoir.



Art. No.

TG H68

Water Tray



Foot Switch for Core Drill Flushing System

The foot switch is used to safely switch the coolant circulation pump on and off.



Art. No.

TG H69

Foot Switch for Core Drill Flushing System



Flushing Head Drills



For use with the flushing head system, any ordinary stand drill becomes a glass drilling machine with internal cooling

i Thread connection M10 x 1

Art. No.	Diameter
TG H39	3 mm
TG H40	4 mm
TG H41	5 mm
TG H42	6 mm
TG H43	8 mm
TG H44	10 mm
TG H45	12 mm
TG H46	16 mm
TG H46A	20 mm
TG H47	25 mm
TG H48	26 mm
TG H49	28 mm
TG H50	30 mm
TG H51	35 mm
TG H52	36 mm
TG H52A	40 mm
TG H53	45 mm
TG H54	50 mm
TG H55	60 mm
TG H56	65 mm
TG H57	70 mm

04

Grinding,
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Diamantor® Adaptor



Mounting pin for adaptor · for ceramic and tile drilling machines · also suitable for drilling aid BO 79.355 for 4-12 mm drills · This adaptor makes flushing head drills universally suitable for any cordless drilling machine, simply spray some water into the drill hole for cooling.

i Inner thread M10 · Chuck 10 mm



Art. No.
TG AF10



Adaptor for Industrial Glass Drilling Machines

Only required when using drills TG H39 to TG H57 in a glass drilling machine.



i Inner thread 10 mm · Outer thread 1/2"

Art. No.
TG H65

Adaptor for Industrial Glass Drilling Machines



Adaptor for Industrial Glass Drills

Only required to use drills of other manufacturers in the flushing head TG H66.



i Inner thread 1/2" · Outer thread 10 mm

Art. No.	
TG H65A	Adaptor for Industrial Glass Drills



Countersink Grinding Head

For easy deburring of drill holes up to 30 mm Ø · with adaptor TG H11 it can also be used in the chuck of standard drilling machines



Art. No.	Version · Diameter
TG H98	standard · 30 mm
TG H98F	fine · 30 mm



Core Drill

For stand drills and mini-drilling machines · Diamond coated galvanically · When in use, cool with water from an external source · For universal applications



i Version standard · For glass and tiles · Clamping shaft 3 mm

Art. No.	Diameter
TG H30	4 mm
TG H31	6 mm
TG H32	8 mm
TG H33	10 mm
TG H34	15 mm



Grinder Bit

For GLASTAR G51 and G81 · is directly screwed into the axle of the machines



Art. No.	Version · Diameter
TG H10	standard · 6 mm
TG H10SP	super power · 6 mm



Grinding Ring

For GLASTAR G51



i Diameter 16 mm · Version standard

Art. No.	
TG H5	Grinding Ring



Jewellery Grinding Head



Indispensable when producing jewellery. A small groove can be ground into the periphery of the glass piece so that it can be set in silver wire, nylon cord, etc.

i Version standard · Groove width 0.8 mm · Diameter 25 mm

Art. No.

TG H92

Jewellery Grinding Head

General Accessories for Grinding

04



SIC abrasive sponge for wood



Abrasive sponge for wood, suitable for narrow edges and areas which are hard to reach. · Combination of 2 grits in one sponge

i Length 125 mm · Width 85 (60) mm · Height 25 mm · Grit 60 / 120 · Version with mitred egde · Packaging unit 12 items

Art. No.

BO 54006012



Abrasive sponge for wood pack of 3



i Length 100 mm · Width 70 mm · Height 25 mm · Grit 60, 80 + 120 · Packaging unit 12 x 3 items

Art. No.

BO 54608012



Abrasive Diamond Hand Pad "Diapad"

Flexible grinding area · smooths and grinds glass edges, ceramic and granite · can be used wet or dry

i Length 90 mm · Width 55 mm · Height 27 mm



Art. No.	Grit · Colour
BO 5007912	120 / N 125 · black
BO 5007922	220 / N 74 · red
BO 5007936	360 / N 40 · yellow

Grinding,
Drilling,
Sawing

▶ Abrasive Diamond Hand Pad



Smoothes and grinds glass edges, ceramic, granite etc. · can be used wet or dry · excellent, long-lasting abrasive capacity · firm grinding area

i Length 100 mm · Width 57 mm · Height 30 mm

Art. No.	Grit · Colour
BO 5007512	120 · black
BO 5007522	220 · red
BO 5007540	400 · yellow

▶ Diamond-faced Hand Files



For deburring glass, ceramic and acrylic glass · in 2 sizes: 19 x 37 mm and 12 x 44 mm

Art. No.	Grit · Length · Width
BO 5010051	120 / N 125 · 19 mm · 37 mm
BO 5010052	220 / N 74 · 19 mm · 37 mm
BO 5010053	400 / N 40 · 19 mm · 37 mm
BO 5010061	120 / N 125 · 12 mm · 44 mm
BO 5010062	220 / N 74 · 12 mm · 44 mm
BO 5010063	400 / N 40 · 12 mm · 44 mm
BO 5010064	800 / N 20 · 12 mm · 44 mm

▶ Hand Seaming Stone



Silicon carbide · for polishing glass edges

i Length 200 mm · Width 50 mm · Height 25 mm

Art. No.	Grit
BO 5007306	coarse 60
BO 5007312	medium 120
BO 5007322	fine 220

▶ Hand Seaming Tool



Smooths both sides of glass edges simultaneously · prevents injuries

i Grit 100

Art. No.	Description
BO 5007300	Hand Seaming Tool
BO 5007301	Replacement stones

▶ Reduction Hose 1/2" to 3/8"



Suitable for connection of: water feed chuck BO 79.12A · water feed chuck BO 79.12 · drilling station · water connection · including Gardena quick coupling

i Length 2.5 m

Art. No.	Description
BO 80.BG103	Reduction Hose, complete



Flexible Water Feed with Suction Base



Articulated hose with slotted nozzle, turn-off valve and suction base for direct cooling when grinding, countersinking or drilling - quick coupling for 1/2" water hose

Art. No.

BO 78.91



Flexible Cooling Device with Magnetic Base



The ideal cooling device for retrofitting older glass belt grinding machines which don't have direct cooling at the grinding area - can be easily integrated with the existing 1/2" supply hose - a powerful magnetic base secures its position without drilling

Art. No.

BO 78.90



Belt Holder



For storing grinding belts appropriately

Art. No.

BO 78.911



"Griffi" Glass Gripper



Securely grips small glass parts when grinding - protects your fingers and prevents injury from sharp-edged glass pieces

Art. No.

TG H110

"Griffi" Glass Gripper



Work Apron



One side PVC coated - resistant to oil, acid and chemicals - with eyes and straps

i Length 120 cm - Width 80 cm

Art. No.

BO 5007604

Work Apron



Ear Protectors



For occasional noise without extreme peaks - adjustable ear pads

i Insulation values 26 dB SNR according to EN 352-1 H: 34, M: 23, L: 14

Art. No.

BO 5007609

Ear Protectors



Protective Glasses Economy



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

Art. No.	Description
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BO 5007614	Protective Glasses
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Felt Polishing Wheel



With bonded shaft $\varnothing$ 6 mm · for removing small scratches or "blind" areas on glass in connection with polishing compound

i Diameter 80 mm · Thickness 30 mm · Colour white

Art. No.

BO 5007901



Oil Valve



With quick coupling and plug-in nozzle · for installation directly into the pressurized air pipe system · for maintenance of connected machinery such as pneumatic drilling machine BO 79.100

Art. No.	Description
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BO 79.110	Oil valve
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BO 79.111	Pneumatic oil for oil valve 0.5 l
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Polishing Gel containing Cerium



Cero-Gel is a high quality polishing agent based on cerium oxide. It excels due to the amount of dirt and grime it removes and the high brilliance of polished surfaces. Cero-Gel was especially developed for the window and glass industry. Hairline scratches, the first signs of glass corrosion or stains caused by cement, concrete or silicone can be easily removed in this way. Cero-Gel can be applied using the Bohle felt polishing wheel BO 5007901 together with a cordless drilling machine or, for larger surfaces, the Flex glass polisher BO 5300809 together with felt disc BO 5300811. For final polishing, we recommend Radora Brillant BO 5008003 or simply clean with water.

Benefits:

- Handy aerosol can
- Simple application and immediately ready to use
- Polishing gel
- No dripping, even on vertical surfaces
- Can be applied in any position - 360°

Target groups and applications:

- Glaziers from trade and industry
- Window manufacturers
- Facade cleaners
- Surface polish for glass, stone, ceramic and natural stone
- Solar glass cleaners
- Hairline scratch polish

i Please note: The optimum polishing temperature of the glass surface lies between + 50° and + 60° C. In order to avoid partial overheating or even breaking of glass, the corresponding area should be cooled with clear tap water, e.g. from a spray bottle, during polishing.

Art. No.

BO 5008004



Cerium Polishing Powder



For removing small scratches or "blind" areas on glass in connection with a felt polishing wheel · mix polishing compound with water to form a paste and apply to glass surface · carefully polish with felt polishing wheel BO 5007901 · For straight line edgers and flat bevelling, manual and mechanical polishing

i Colour reddish

Art. No.	Contents
BO KF15001	1 kg
BO KF15025	25 kg



Cerium Polishing Powder



For straight line edgers and flat bevelling, manual and mechanical polishing

i Colour: white

Art. No.	Contents
BO WF35001	1 kg
BO WF35025	25 kg



Hydrometer



For determining the concentration of cerium powder in polishing liquid

Art. No.	Description · Contents · Material
BO 50028306	Hydrometer set = density spindle + measuring cylinder
BO 50028307	Hydrometer density spindle
BO 50028308	Measuring cylinder · 250 ml · made of highly transparent PMP



Glass Polishing Compound Velox Polisan 2



For removing stubborn stains on glass panes, mirrors and stones · ready-to-use, liquid glass polish · grit 4-8 · apply to felt wheel, cotton-wool, etc. and start polishing · (cerium based)

i Grit 4 - 8 · pH 7.3 · Weight 1200 g

Art. No.
BO 5007903



Glass Polishing Compound Radora Brillant



The extreme shortage of cerium oxide in the global market makes it necessary to find alternative solutions for a brilliant glass polish. This product is based on domestic raw materials according to classic formulas that don't contain cerium! Biologically degradable (OECD 301c) – PH-neutral – Tested per RAL-GZ 632, No. 3.2 · It is reliable in eliminating: cords, suction prints, silicone networks, as well as residues of silicone, smoothing or separating agents on glass · Ideal for scratch removal together with Cerium polishing powder and polishing felt!

Art. No.
BO 5008003



Vetrocool Coolant Concentrate



For processing glass with diamond tools · keeps glass dust soft · reduces wear of tools · corrosion protection for tools and machines · does not contain oily substances or heavy metal · biologically degradable

i Mixing ratio 100 : 3

Art. No.	Description · Contents
BO 5002816	for especially long service life of tools · 20 kg
BO 5002817	for universal use, low-foaming · 20 kg
BO 5002818	Low-foaming · 220 kg
BO 5002819	Highly effective · 230 kg



Hand Refractometer



Our Bohle hand refractometer for coolant concentration analysis is particularly well-qualified for industrial glass applications. The optical precision instrument measures the Brix value in a range from 1 to 10 %. An automatic temperature compensation from + 10°C to - 30°C has also been integrated. The accuracy of 0.1 % is very high for an appliance in this price range and renders expensive laboratory analyses unnecessary. The device can be used for small sample volumes and is universally applicable thanks to its compact and lightweight design. Speedy and uncomplicated measurements increase the stability of the coolant circuit and hence improve the consistency of your grinding or drilling facility's machine parameters.

Art. No.

BO 50028303



Indicator Paper for Testing Grinding Water



The pH value of the coolant in grinding and drilling equipment should never exceed 9.5 as this might lead to increased corrosion and chemical burns on skin. Please note: recommended use approx. 3% Vetrocool, and the pH value stays below 9.5.

Art. No.

Description

BO 50028304

Indicator Paper for Testing Grinding Water



Flocculant



Binds the fine suspended particles in the coolant of glass processing machines, allowing sedimentation. Hence it is possible to achieve virtually clear water in the system. BO 50028310 Bohle Sediflock 310 granulated flocculant, for use exclusively with Bohle Sedimentor water cleaning systems. Also suitable for manual purification of grinding water! Add approx. 200g of flocculant after finishing grinding, thoroughly mix for about 3 min. Keeps grinding sludge soft and easy to remove from the tank.

Art. No.

Description · Contents

BO 50028310

granules · 10 kg

BO 50028330

liquid · 30 kg

BO 50028335

liquid · 200 kg

BO 50028311

granules · 0.1 kg

BO 50028312

Paint flocculant for water soluble ceramic colours · 10 kg

Practical Tip:

Can also be used manually for cleaning grinding water.

▶ Filtering Bag for Sludge Drainage



Especially strong filter fabric with 4 carrying loops · for drainage of glass sludge · suitable for Bohle Sedimentor water cleaning systems

i Please note: The filter bags differ in fabric structure. Depending on the type of glass and the grinding plant, the grinding particles have different drainage characteristics in the cooling water. Please order alternative models when first ordering, to find the optimum filter bag for your specific demands.

Art. No.	Contents · Description
BO 50028400	70 litres · especially sturdy · normal drainage
BO 50028401	300 litres · normal drainage · for all glass types
BO 50028402	300 litres · with 4 additional base loops for easy handling
BO 50028403	70 litres · very good drainage properties · washable several times
BO 50028404	300 litres · good drainage properties · also for coarse grinding

▶ Washing Compound for Glass Washing Machines



Suitable for automatic glass washing machines · for insulated glass, laminated glass and polished glass panes · no negative effect when bonding insulated glass · also suitable for high-pressure cleaners · no troublesome foaming · biodegradable

i Contents 20 kg

Art. No.
BO 5002821

▶ Separating Agent for Insulating Glass Covers



Aceparen 5446

i Contents 20 kg

Art. No.
BO 50028501

▶ Dissolvent for Cleaning Polysulphide Residues



Acesolve PSN

i Contents 30 kg

Art. No.
BO 50028502

▶ Glass Edge Lacquer



For ground glass edges · durable satin sheen without polishing

Art. No.	Contents
BO 5007005	1 litre
BO 5007050	5 litres



Paint Marker



Plastic tip in metal housing · shake well before use

i Colour: white · Feature: waterproof

Art. No.	Line width
BO 5007909	0.8 mm
BO 5007910	2 - 4 mm



Diamond Marker



For glass

Art. No.
BO 5007904



Scriber



With tungsten carbide tip · for marking glass and tiles

Art. No.
BO 5005600



Glass Marking Crayon



Suitable for wet glass · comes off in washing machine · no danger of corrosion

i Colour white · Packaging unit 10 items

Art. No.
BO 5007400



Metal Holder



Fits marking crayon BO 5007400 · prevents the crayon from breaking · length continuously adjustable

Art. No.
BO 5007401



ALL-Stabilo Pen

Fibre-tip marker for glass, paper, plastic and metal



i Feature: waterproof

Art. No.	Description · Colour
BO 5007905	fine 0.4 mm · red
BO 5007906	fine 0.4 mm · black
BO 5007907	medium 1 mm · red
BO 5007908	medium 1 mm · black



Deep Hole Marker Pica Dry



Incl. cover and integrated sharpener · suitable for all hard surfaces



i Material graphite lead 2.8 mm

Art. No.	Version
BO 50079101	Pica Dry
BO 50079102	Spare leads, case with 10 graphite leads



Drill Hole Marker extra long



i For glass and tiles · Length stainless steel tip 25 mm · Thickness 1 mm · Colour black · Version waterproof



Art. No.	
BO 50079103	Drill Hole Marker



Swivelling Ball-Castor

With 2 adjustable nuts



i Material rubber · Thread M14 mm

Art. No.	Diameter
BO 5008000	50 mm
BO 5008005	35 mm



Roller Support

With 12 closely spaced castor rollers · easy, continuous height adjustment · excellent stability



i Working height 850 - 1100 mm · Supporting width 1300 mm · Load capacity approx. 80 kg

Art. No.	
BO 78.41	

▶ WD 40 Multi-Purpose Spray



Ideal for the care of your wet working machines · 5 products in one: moisture displacer, corrosion protection, low viscosity oil, cleaner, lubricant

Art. No.	Contents
BO 5002852	Spray can of 400 ml
BO 5002853	5 litres
BO 5002854	Spray bottle, empty 550 ml

General Accessories for Sandblasting

04

Grinding,
Drilling,
Sawing

▶ High Grade Corundum Sandblasting Agent



High quality abrasive · smooth blasting pattern and soft transitions · low dust loss rates · High grade corundum forms part of the group of electric corundums. It is made of aluminium oxide in a reducing melting atmosphere of an electric arc furnace. High grade corundum is non-ferrous, extremely stable and has the highest degree of purity.

i Colour white · Contents sack 25 kg

Art. No.	FEPA · Grit · Description
AO EK120	F 120 · iron-free 90 - 125 µm
AO EK080	F 080 · iron-free 80 µm · 1 pallet with 40 bags

▶ Sandblasting agent



Brown corundum forms part of the group of electric corundums. It is made of calcined bauxite in a reducing melting atmosphere of an electric arc furnace. Brown corundum is non-ferrous and extremely stable.

i Colour brown · Contents sack 25 kg

Art. No.	FEPA · Grit · Description
AO AL080	F 080 · 150 - 212 µm
AO AL100	F 100 · 106 - 150 µm
AO AL120	F 120 · 90 - 125 µm
AO AL120.20	F 120 · 90 - 125 µm · 1 pallet with 40 bags
AO AL150	F 150 · 63 - 106 µm
AO AL180	F 180 · 63 - 90 µm
AO AL220	F 220 · 53 - 75 µm



Wiper medium

Mounting wiper for bubble free application of self-adhesive films



i Version medium

Art. No.	Length · Width
AO ASRAKGR	270 mm · 115 mm
AO ASRAKKL	160 mm · 95 mm



Wiper, soft

Mounting wiper for bubble free application of self-adhesive films · for low loads



i Length 100 mm · Width 75 mm · Version soft

Art. No.	
AO RAKEL	



Sandblast Resist Tape, 100µm



For transferring plotter templates · self-adhesive sandblast resist tape for sandblasting on smooth substrates, e.g. glass or polished stone, with a low blasting depth of up to 0.5 mm

Art. No.	Length · Width · Description
AO MS100	100 m · 100 cm · roll
AO MS100BL	70 cm · 100 cm · sheet



Sandblast Resist Tape, 180µm



The ideal sandblast resist tape for working with higher blasting depth, ideally suited for relief structures, logos and lettering with sharp outlines. · self-adhesive sandblast resist tape for sandblasting on smooth substrates, e.g. glass or polished stone, with a medium blasting depth of up to 2.0 mm

i Length 25 m · Width 1250 mm

Art. No.	
AO MS180	



Transfer Foil

For transferring inscriptions, logos and designs



i Length 100 m · Width 1000 mm

Art. No.	Material · Colour
AO PT160	Plastic · transparent
AO TP4075	Paper · white

02 | Grinding and Polishing Discs for Straight Line Edgers

Cup Wheels for Bohle Vetrocraft Straight Line Edgers

Suitable grinding and polishing discs are indispensable for achieving optimum working results. After conducting comprehensive tests, Bohle recommends a couple of products which can either be used as basic equipment for Bohle straight line edgers or are particularly suited for specific applications (e.g. grinding laminated safety glass). Thanks to their universal construction type, these grinding discs can also be used in straight line edgers from other manufacturers. All products possess the standard high Bohle quality and stand out due to their excellent price-performance ratio. Diamond grits and couplings have been precisely adjusted to the grinding wheels and meet highest quality standards.

04

Grinding,
Drilling,
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▶ Cup Wheels for Edge Grinding



Specifications	BO 5470003	BO 5470003C	BO 5470004	BO 5470004C
Disc type	Diamond / metal bound	Diamond / metal bound	Diamond / metal bound	Diamond / metal bound
Outer diameter	ø 150 mm	ø 150 mm	ø 150 mm	ø 150 mm
Bore diameter	ø 10 mm	ø 12 mm	ø 10 mm	ø 12 mm
Tool height	35 mm	40 mm	35 mm	40 mm
Diamond grit	D76	D76	D151	D151
Grit	240	240	100	100
Position 1	SL4328A	SL4328A	SL6328A / SL8328A / SL9328A	SL6328A / SL8328A / SL9328A
Position 2	SL6328A / SL8328A / SL9328A	SL6328A / SL8328A / SL9328A	-	-
Please note:	Italian branded product · high quality and long service life	Appropriate quality for basic equipment · Made in China · excellent price-performance ratio	Italian branded product · high quality and long service life	Appropriate quality for basic equipment · Made in China · excellent price-performance ratio



Specifications	BO 5470003S	BO 5470004S
Disc type	Diamond / metal bound, segmented	Diamond / metal bound, segmented
Outer diameter	ø 150 mm	ø 150 mm
Bore diameter	ø 10 mm	ø 10 mm
Tool height	35 mm	35 mm
Diamond grit	D76	D151
Grit	240	100
Position 1	SL4328A	SL4328A
Position 2	SL6328A / SL8328A / SL9328A	SL6328A / SL8328A / SL9328A
Please note:	German branded product - optimised for use with laminated safety glass, also well suited to float glass	German branded product - optimised for use with laminated safety glass, also well suited to float glass



Specifications	BO 5470127	BO 5470110	BO 5470245	BO 5470236
Disc type	Polishing	Polishing Cerium	Polishing Cerium	Polishing Cerium
Outer diameter	ø 150 mm	ø 150 mm	ø 150 mm	ø 150 mm
Bore diameter	ø 70 mm	ø 70 mm	ø 70 mm	ø 70 mm
Tool height	30 mm	30 mm	40 mm	30 mm
Type identification	10S40	X5000		CE-3
Grit	-	-	-	-
Position 1	-	-	-	-
Position 2	SL4328A	-	-	-
Position 3	-	-	-	-
Position 4	-	-	-	-
Position 5	SL6328A	-	-	-
Position 6	-	SL6328A	SL6328A	SL6328A
Position 7	SL8328A / SL9328A	-	-	-
Position 8	SL9328A	SL8328A	SL8328A	SL8328A
Position 9	-	SL9328A	SL9328A	SL9328A
Please note:	Italian branded product - excellent polishing performance and brilliance - long service life	Italian branded product - excellent polishing performance and brilliance - long service life	Low-cost German branded product - excellent polishing performance and long service life	German branded product - excellent polishing performance and long service life



Specifications	BO 5470282	BO 5470283	BO 5470284
Disc type	Polishing extra, segmented	Polishing extra, segmented	Polishing extra, segmented
Outer diameter	ø 150 mm	ø 150 mm	ø 150 mm
Bore diameter	ø 70 mm	ø 70 mm	ø 70 mm
Tool height	30 mm	30 mm	30 mm
Type identification	A040BJ	A060BJ	A080BJ
Grit	40	60	80
Position 1	-	-	-
Position 2	SL4328A	-	-
Position 3	-	-	-
Position 4	-	-	-
Position 5	SL6328A	-	-
Position 6	-	-	-
Position 7	SL8328A / SL9328A	-	-
Position 8	-	SL9328A	SL9328A
Please note:	German branded product · soft bronze coupling for excellent polishing performance and long service life · optimised for use with laminated safety glass, also well suited to float glass	German branded product · soft bronze coupling for excellent polishing performance and long service life · optimised for use with laminated safety glass, also well suited to float glass	German branded product · soft bronze coupling for excellent polishing performance and long service life · optimised for use with laminated safety glass, also well suited to float glass

04

Grinding,
Drilling,
Sawing

Cup Wheels for Arris Polishing



Specifications	BO 5471340	BO 5470140	BO 5470237	BO 5470246
Disc type	Grinding-Polishing Diamond	Polishing	Polishing extra	Polishing extra
Outer diameter	ø 130 mm	ø 130 mm	ø 130 mm	ø 130 mm
Bore diameter	ø 12 mm	ø 60 mm	ø 60 mm	ø 60 mm
Tool height	35 mm	30 mm	35 mm	35 mm
Type identification	D64	10S40	A060BJ	EK120SJ
Grit	-	-	60	120
Position 1	-	-	-	-
Position 2	-	-	-	-
Position 3	SL4328A / SL6328A / SL8328A / SL9328A	-	-	-
Position 4	SL4328A / SL6328A	SL8328A / SL9328A	SL8328A / SL9328A	SL8328A / SL9328A
Position 5	SL8328A / SL9328A	-	-	-
Position 6	-	SL8328A / SL9328A	SL8328A / SL9328A	SL8328A / SL9328A
Please note:	Italian branded product	Italian branded product · excellent polishing performance and brilliance · long service life	German branded product · excellent polishing performance and long service life	German branded product · excellent polishing performance · suitable for wider arrisses · slightly increased work intervals

03 | Glass Drilling

Mobile Machinery for Glass Drilling

Mobile machinery is used for reworking tasks on site or in the workshop. High performance small appliances and accessories can be found on the following pages.

▶ Pico Drill 100 Drilling Machine



This robust, portable precision drilling machine for diamond core drills is produced by Bohle. It is very well suited for use on-site as well as in the workshop. The machine is placed directly on top of the glass, a rubber ring prevents it from slipping. Integrated suction holders provide for even safer fixing on the glass and form part of the standard machine equipment. Coolant is supplied directly into the hollow drill through the adjustable supply valve. Lowering the drills is done by a very precise and smooth mechanism that also has a depth stopper. The machine comes with an integrated PRCD safety switch and can be plugged directly to a Schuko plug. The Pico Drill 100 L model includes a point laser which greatly facilitates the positioning of the machine on the glass.

Technical Data:

- Electrical connection 1.15 KW, 230 V, 50 - 60 Hz, 1NPE
- Drill diameters max. 75 mm
- Drill depth max. 20 mm
- Weight 12.5 kg

Art. No.	Description
BO 79.200	Pico Drill 100, 230 V / 50-60 Hz
BO 79.201	Pico Drill 100, 110 V / 50-60 Hz
BO 79.200L	Pico Drill 100 L with point laser, 230 V / 50-60 Hz
BO 79.201L	Pico Drill 100 L, 110 V / 50-60 Hz with point laser
BO 79.210	Laser for Pico Drill 79.200, 79.201, 79.200L and 79.201L
SP 79.B0875	Main engine EFB 151 B LT for Pico Drill
SP 79.B0878	Sliding piece for Pico Drill guide sledge (1 set = 4 pieces)
SP 79.B1111	Built-in switch EFB150B, no. 80600112



Pico Drill 100 T Tabletop Drilling Machine



Portable tabletop glass drilling machine with stainless steel coolant collecting tray and insert rings · suitable for table BO 79.270 · see Pico Drill 100 for technical data · Manufactured by Bohle in Germany

i Reach 430 mm · Width 490 mm · Height 590 mm · Depth 830 mm

Art. No.

BO 79.250	Pico Drill 100 T Tabletop Drilling Machine, 230 V / 50-60 Hz
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Cross Laser



For Pico Drill BO 79.250 and BO 79.260 · complete kit with 2 line lasers and supports, for precise drilling

Art. No.

BO 79.215	Cross laser for Pico Drill 79.250 and 79.260
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Pico Drill with Table



Professional starter machine with table W 1350 x D 890 mm, adjustable stoppers for precise positioning, including drilling templates as glass support.

i Working height 960 mm

Art. No.

BO 79.260	Pico Drill 100 T with table W 1350 x D 890 mm, working height 960 mm, 230 V / 50-60 Hz
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Diamond Core Drills



Diamond Core Drills, Industrial Quality



BO 5001402 with galvanic drill bit also suitable for LCD thin glass. Please set coolant water pressure at approx. 2.5 bar for reliable ejection of drill core.

For highest requirements · high drilling capacity and service life · drill base made of stainless steel · diamond coating from sintered material · with slots for better cooling · pre-sharpened, ready-to-use · x = available ex stock

i Outer thread (Continental) R 1/2"

Art. No.	Diameter · Speeds · Length · Version
BO 5001402	2 mm · 4000 - 5000 rpm · 75 mm
BO 5001403	3 mm · 4000 - 5000 rpm · 75 mm
BO 5001404	4 mm · 4000 - 5000 rpm · 75 mm · x
BO 5001405	5 mm · 2000 - 3000 rpm · 75 mm · x
BO 5001405H	5 mm · 2000 - 4000 rpm · 85 mm · x
BO 5001405L	5 mm · 2000 - 4000 rpm · 95 mm · x
BO 5001406	6 mm · 2000 - 3000 rpm · 75 mm · x
BO 5001407	7 mm · 2000 - 3000 rpm · 75 mm · x
BO 5001408	8 mm · 2000 - 3000 rpm · 75 mm · x
BO 5001409	9 mm · 2000 - 3000 rpm · 75 mm
BO 5001410	10 mm · 2000 - 3000 rpm · 75 mm · x
BO 5001411	11 mm · 2000 - 3000 rpm · 75 mm
BO 5001412	12 mm · 2000 - 3000 rpm · 75 mm · x
BO 5001413	13 mm · 2000 - 3000 rpm · 75 mm
BO 5001414	14 mm · 2000 - 3000 rpm · 75 mm
BO 5001415	15 mm · 2000 - 3000 rpm · 75 mm
BO 5001416	16 mm · 1500 - 2000 rpm · 75 mm · x
BO 5001417	17 mm · 1500 - 2000 rpm · 75 mm
BO 5001418	18 mm · 1500 - 2000 rpm · 75 mm · x
BO 5001419	19 mm · 1500 - 2000 rpm · 75 mm
BO 5001420	20 mm · 1500 - 2000 rpm · 75 mm · x
BO 5001421	21 mm · 1500 - 2000 rpm · 75 mm
BO 5001422	22 mm · 1500 - 2000 rpm · 75 mm
BO 5001423	23 mm · 1500 - 2000 rpm · 75 mm
BO 5001424	24 mm · 1500 - 2000 rpm · 75 mm
BO 5001425	25 mm · 1500 - 2000 rpm · 75 mm
BO 5001426	26 mm · 1500 - 2000 rpm · 75 mm · x
BO 5001427	27 mm · 500 - 1500 rpm · 75 mm
BO 5001428	28 mm · 500 - 1500 rpm · 75 mm
BO 5001429	29 mm · 500 - 1500 rpm · 75 mm
BO 5001430	30 mm · 500 - 1500 rpm · 75 mm · x
BO 5001435	35 mm · 500 - 1500 rpm · 75 mm · x
BO 5001436	36 mm · 500 - 1500 rpm · 75 mm · x

Art. No.	Diameter · Speeds · Length · Version
BO 5001437	37 mm · 500 - 1500 rpm · 75 mm · x
BO 5001437L	37 mm · 500 - 1500 rpm · 95 mm · x
BO 5001440	40 mm · 500 - 1500 rpm · 75 mm
BO 5001442	42 mm · 500 - 1500 rpm · 75 mm · x
BO 5001445	45 mm · 500 - 1500 rpm · 75 mm
BO 5001450	50 mm · 500 - 1500 rpm · 75 mm
BO 5001455	55 mm · 300 - 800 rpm · 75 mm
BO 5001460	60 mm · 300 - 800 rpm · 75 mm
BO 5001465	65 mm · 300 - 800 rpm · 75 mm · x
BO 5001468	68 mm · 300 - 800 rpm · 75 mm · x
BO 5001470	70 mm · 300 - 800 rpm · 75 mm · x
BO 5001472	72 mm · 300 - 800 rpm · 75 mm
BO 5001490	90 mm · 300 - 500 rpm · 75 mm
BO 50014100	100 mm · 300 - 800 rpm · 75 mm · x
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm

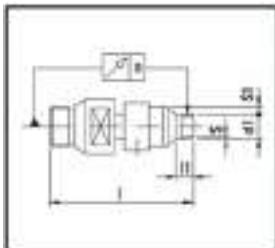


Diamond Core Drills with Countersink, Industrial Quality



Drill Speeds:

ø 3-4 mm = 4000-5000 rpm
 ø 5-15 mm = 2000-3000 rpm
 ø 16-25 mm = 1500-2000 rpm
 ø 26-50 mm = 500-1500 rpm
 ø 51-100 mm = 300-800 rpm



I 75 mm
 d1 ±0,05 mm
 ø 0,05 mm
 S 1,00 mm
 II 10,00 mm
 S1 3 mm / 5 mm

For the highest requirements · high drilling capacity and service life · drill base made of stainless steel · diamond coating from sintered material · with slots for better cooling · pre-sharpened, ready-to-use · special dimensions on request · x = available ex stock

i Outer thread (Continental) R 1/2" · Length 75 mm

Art. No.	Diameter · Version
BO 5001604	4 mm · x
BO 5001605	5 mm
BO 5001606	6 mm · x
BO 5001607	7 mm
BO 5001608	8 mm · x
BO 5001609	9 mm
BO 5001610	10 mm · x
BO 5001611	11 mm
BO 5001612	12 mm · x
BO 5001613	13 mm
BO 5001614	14 mm
BO 5001615	15 mm
BO 5001616	16 mm · x
BO 5001617	17 mm
BO 5001618	18 mm · x
BO 5001619	19 mm
BO 5001620	20 mm · x
BO 5001621	21 mm
BO 5001622	22 mm
BO 5001623	23 mm
BO 5001624	24 mm
BO 5001625	25 mm
BO 5001626	26 mm · x
BO 5001627	27 mm
BO 5001628	28 mm
BO 5001629	29 mm
BO 5001630	30 mm
BO 5001632	32 mm
BO 5001635	35 mm
BO 5001640	40 mm
BO 5001642	42 mm
BO 5001645	45 mm
BO 5001650	50 mm
BO 5001655	55 mm
BO 5001660	60 mm
BO 5001665	65 mm
BO 5001670	70 mm
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm



Diamond Core Drills with Deep Countersink, Industrial Quality



The quality demands placed on deeply countersunk bores in combination with shorter cycle times per countersink have continually grown, particularly in the fields of facade construction and interior fit-out. Bohle has now brought its extensive know-how gained in the company's own glass drill engineering and numerous special tooling activities to bear on a completely new product line of "industrial diamond drill bits with adjustable deep countersinking ring". As well as their particularly wear-proof diamond material combinations, these "Made in Germany" tools come equipped with an intricately elaborated diamond crown and countersinking ring geometry featuring eroded segments, cooling channels, slots and bores. In relation to the drill diameter the countersinking rings have a diameter of + 12 mm.



Art. No.	Diameter · Description
BO 5001806	6 mm
BO 5001807	7 mm
BO 5001808	8 mm
BO 5001812	12 mm · suitable for drilling + countersinking PICO glass hardware
BO 5001815	15 mm
BO 5001816	16 mm
BO 5001817	17 mm
BO 5001818	18 mm
BO 5001819	19 mm
BO 5001820	20 mm
BO 5001823	23 mm
BO 5001826	26 mm
BO 5001827	27 mm
BO 5001828	28 mm
BO 5001830	30 mm
BO 5001836	36 mm
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm



Diamond Core Drills, Standard Quality



Drill Speeds:

ø 3-4 mm = 4000-5000 rpm
 ø 5-15 mm = 2000-3000 rpm
 ø 16-25 mm = 1500-2000 rpm
 ø 26-50 mm = 500-1500 rpm
 ø 51-100 mm = 300-800 rpm

For normal use · drill base made of steel · covered with protective lacquer · diamond coating from sintered material · drill has to be sharpened before first use

i Outer thread (Continental) R 1/2"

Art. No.	Diameter · Length
BO 5000403	3 mm · 75 mm
BO 5000404	4 mm · 75 mm
BO 5000405	5 mm · 75 mm
BO 5000255	5.5 mm · 75 mm
BO 5000406	6 mm · 75 mm
BO 5000407	7 mm · 75 mm
BO 5000408	8 mm · 75 mm
BO 5000409	9 mm · 75 mm
BO 5000410	10 mm · 75 mm
BO 5000411	11 mm · 75 mm
BO 5000412	12 mm · 75 mm
BO 5000412L	12 mm · 95 mm
BO 5000413	13 mm · 75 mm
BO 5000414	14 mm · 75 mm
BO 5000415	15 mm · 75 mm
BO 5000416	16 mm · 75 mm
BO 5000417	17 mm · 75 mm
BO 5000418	18 mm · 75 mm
BO 5000419	19 mm · 75 mm
BO 5000420	20 mm · 75 mm
BO 5000420L	20 mm · 95 mm
BO 5000421	21 mm · 75 mm
BO 5000422	22 mm · 75 mm
BO 5000423	23 mm · 75 mm
BO 5000424	24 mm · 75 mm
BO 5000425	25 mm · 75 mm
BO 5000426	26 mm · 75 mm
BO 5000427	27 mm · 75 mm
BO 5000428	28 mm · 75 mm
BO 5000428L	28 mm · 95 mm
BO 5000429	29 mm · 75 mm
BO 5000430	30 mm · 75 mm
BO 5000432	32 mm · 75 mm
BO 5000433	33 mm · 75 mm
BO 5000434	34 mm · 75 mm
BO 5000435	35 mm · 75 mm
BO 5000436	36 mm · 75 mm
BO 5000438	38 mm · 75 mm
BO 5000440	40 mm · 75 mm
BO 5000442	42 mm · 75 mm
BO 5000443	43 mm · 75 mm
BO 5000445	45 mm · 75 mm
BO 5000450	50 mm · 75 mm
BO 5000452	52 mm · 75 mm

Art. No.	Diameter · Length
BO 5000455	55 mm · 75 mm
BO 5000460	60 mm · 75 mm
BO 5000465	65 mm · 75 mm
BO 5000468	68 mm · 75 mm
BO 5000470	70 mm · 75 mm
BO 5000475	75 mm · 75 mm
BO 5000480	80 mm · 75 mm
BO 5000490	90 mm · 75 mm
BO 50004100	100 mm · 75 mm
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm
BO 5000499B	Sharpening Stone · 200 mm · 50 mm · 25 mm

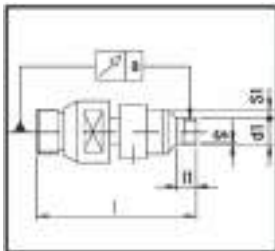


Diamond Core Drill with Countersink, Standard Quality



Drill Speeds:

$\varnothing$ 3-4 mm = 4000-5000 rpm
 $\varnothing$ 5-15 mm = 2000-3000 rpm
 $\varnothing$ 16-25 mm = 1500-2000 rpm
 $\varnothing$ 26-50 mm = 500-1500 rpm
 $\varnothing$ 51-100 mm = 300-800 rpm



l	75 mm
d1	±0.1 mm
a (3 - 10 mm)	0.1 mm
(11 - 30 mm)	0.15 mm
(> 30 mm)	0.2 mm
S (< 30 mm)	0.75 mm
(31 - 107 mm)	1.00 mm
l1 (< 30 mm)	9.00 mm
(> 30 mm)	8.00 mm
S1 (< 30 mm)	4 mm

For normal use · drill base made of steel · covered with protective lacquer · diamond coating from sintered material · countersink is fixed by lateral clamping screw · drill has to be sharpened before first use. Also available on request with a length of 95 mm.

i Outer thread (Continental) R 1/2" · Length 75 mm

Art. No.	Diameter
BO 5000604	4 mm
BO 5000605	5 mm
BO 5000606	6 mm
BO 5000607	7 mm
BO 5000608	8 mm
BO 5000609	9 mm
BO 5000610	10 mm
BO 5000611	11 mm
BO 5000612	12 mm
BO 5000613	13 mm
BO 5000614	14 mm
BO 5000615	15 mm
BO 5000616	16 mm
BO 5000617	17 mm
BO 5000618	18 mm
BO 5000619	19 mm
BO 5000620	20 mm
BO 5000621	21 mm
BO 5000622	22 mm
BO 5000623	23 mm
BO 5000624	24 mm
BO 5000625	25 mm
BO 5000626	26 mm
BO 5000627	27 mm
BO 5000628	28 mm
BO 5000629	29 mm
BO 5000630	30 mm
BO 5000635	35 mm
BO 5000640	40 mm
BO 5000645	45 mm
BO 5000650	50 mm
BO 5000655	55 mm
BO 5000660	60 mm
BO 5000665	65 mm
BO 5000670	70 mm
BO 50006100	100 mm
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm
BO 5000499B	Sharpening Stone · 200 mm · 50 mm · 25 mm



Diamond Hollow Drills for Ceramic

Developed especially for the Bohle Aqua Drill wet drilling machine · manual drill bit exchange without tools · for drilling hard ceramic tiles, granite, marble and regular tiles



i Belgian thread 1/2" · Length 95 mm

Art. No.	Diameter
BO 79.3605	5 mm
BO 79.3606	6 mm
BO 79.3607	7 mm
BO 79.3608	8 mm
BO 79.3609	9 mm
BO 79.3610	10 mm
BO 79.3612	12 mm
BO 79.3614	14 mm
BO 79.3626	26 mm
BO 79.3668	68 mm



Set of Diamond Hollow Drills for Ceramic



For fitters · one each of 6 mm, 8 mm, 10 mm and 12 mm drill bits · incl. drill core ejector and pin for releasing tight drills

Art. No.
BO 79.361



Industrial Drill for Solar Glass



For precise, easy drilling of solar and thin glass. Other diameters available on request.

i Diameter 6 mm ø

Art. No.	Description · Length · Width · Height
BO 5014006	Industrial Drill for Solar Glass
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm



Diamond Milling Cutter for CNC Glass Processing



Suitable for all CNC processing machines and tool holders for milling cutters with 1/2" Belgian thread. Examples: Bavelloni, Forvet, Intermac, Rohmer + Stimpfig... · Long service life · excellent edge quality · internal cooling due to optimised cooling channel · large cutting surface of approx. 40 mm

Art. No.	Version · Diameter · Segments
BO GF2004	particularly suitable for thick glass · 20 mm · 4
BO GF2006	particularly suitable for thin glass · 20 mm · 6
BO GF1003	particularly suitable for cutouts with tight radii · 10 mm · 3
BO GF1604	For universal use for 6-19 mm glass · 16 mm · 4

Tools for Glass Drilling and Countersinking

Bohle's diamond drills and countersinks are offered in most standard dimensions and are of the company's usual high quality. For more demanding precision and performance requirements, these products are also available in industrial quality. In addition, we can provide assistance to meet your specific needs. Please contact us if you need advice.

▶ Blind Hole Drill



Single-sided bore holes in optimum industrial quality

Art. No.	Diameter
BO 5001708	8 mm
BO 5001712	12 mm

▶ Mono Block Drill / Countersink in all Desired Dimensions



Product example shown is from the solar glass industry, D = 4.2mm. For high quality requirements, and with excellent cutting characteristics, the upper drill diameter is 0.2mm bigger than the lower drill giving an absolutely continuous drill hole - when all machine specifications are observed the drill can do up to 6000 holes without "resharpening" - tools can be redressed cost-effectively upon request, after redressing the drill will work like new - Please note: recommended use with Vetrocool coolant BO 5002816 - 19

i Countersink 8 mm

Art. No.	Drill spindle · Diameter · bit
BO 5014040U	bottom · 4 mm · 0.8 x 1 mm
BO 50140420	top · 4.2 mm · 0.8 x 4 mm

▶ Segmental Diamond Drills

Adjustable · with exchangeable segments · central bore hole for coolant supply



i Connection thread (Continental) R 1/2"

Art. No.	Diameter · Height · Version · Description
BO 5004100	70 - 100 mm · approx. 75 mm · Segments 4
BO 5004140	90 - 140 mm · approx. 95 mm · Segments 4
BO 5004180	130 - 180 mm · approx. 95 mm · Segments 6
BO 5004240	180 - 240 mm · approx. 95 mm · Segments 6
BO 5004102	Segment body for BO 5004100
BO 5004142	Segment body for BO 5004140
BO 5004182	Segment body for BO 5004180
BO 5004244	Segment body for BO 5004240
BO 5004101	Spare segments for BO 5004100
BO 5004141	Spare segments for BO 5004140
BO 5004181	Spare segments for BO 5004180
BO 5004242	Spare segments for BO 5004240

Practical Tip:
Use sharpening stone
BO 5000499L!

Diamond Countersinks, Industrial Quality

Other diameters on request



i Outer thread (Continental) R 1/2" · Length 75 mm

Art. No.	Diameter
BO 5001520	slotted 20 mm
BO 5001535	slotted 35 mm
BO 5001550	segmented 50 mm

Diamond Countersinks



i Outer thread (Continental) R 1/2" · Length 75 mm

Art. No.	Diameter
BO 5000535	35 mm
BO 5000545	45 mm
BO 5000565	65 mm

Grinding Cone Holder



Elastic Vulkocell® body · transverse slits for attaching and exchanging the grinding cones BO 79.6120 · Made in Germany

i Diameter 60 mm · Shaft 6 mm ø

Art. No.
BO 79.610

Grinding Cone



Made of diamond-coated, thin-walled metal · for use with grinding cone holder BO 79.610 · grit meets the requirements for arrissing drill holes · Made in Germany

i Working range min. 3 mm ø · Cone angle 90° · Diameter 60 mm

Art. No.
BO 79.6120

Spear Point Glass Drill

Specially ground carbide tip · with specially sharpened tip for precise drilling results



i Finish chromate

Art. No.	Diameter · Length
BO 5000203	3 mm · 58 mm
BO 5000204	4 mm · 58 mm
BO 5000205	5 mm · 58 mm
BO 5000206	6 mm · 58 mm
BO 5000207	7 mm · 78 mm
BO 5000208	8 mm · 78 mm
BO 5000209	9 mm · 78 mm
BO 5000210	10 mm · 98 mm
BO 5000212	12 mm · 98 mm
BO 5000213	13 mm · 98 mm

04

Grinding,
Drilling,
Sawing



Glass Drill

With triangular carbide tip

i Shaft diameter 8 mm · Length approx. 70 mm



Art. No.	Diameter
BO 5000303	3 mm
BO 5000304	4 mm
BO 5000305	5 mm
BO 5000306	6 mm
BO 5000308	8 mm
BO 5000310	10 mm
BO 5000312	12 mm



Milling Cutter for Glass Tubes



Combination tool for drilling + milling · Customised diameter · Can be reused several times

i Version R1/2", ø 13/16 mm



Art. No.	
BO BF1316	Milling Cutter for Glass Tubes

We have a large selection of diamond tools to suit your specific requirements. Please ask us!



General Accessories for Glass Drilling



Centring Device

For precise adjustment of segmental diamond drills



Art. No.	For
BO 5004241	BO 5004140, BO 5004180, BO 5004240
BO 5004243	BO 5004100



Spare Segments



For segmental diamond drill

Art. No.	For
BO 5004101	BO 5004100
BO 5004141	BO 5004140
BO 5004181	BO 5004180
BO 5004242	BO 5004240



Sharpening Stone for Diamond Drills



By drilling powerfully into the sharpening stone a few times, new spaces are created between the diamond particles, leading to renewed cutting ability · if sharpening does not lead to a positive result, use the dressing stone first

Art. No.	Description · Length · Width · Height
BO 5000499	Sharpening Stone · 90 mm · 70 mm · 20 mm
BO 5000499L	Sharpening Stone · 180 mm · 70 mm · 20 mm



Sharpening Stone for Diamond Drills



By drilling powerfully into the sharpening stone a few times, new spaces are created between the diamond particles, leading to renewed cutting ability · if sharpening does not lead to a positive result, use the dressing stone first · especially for larger drill diameters and diamond segment drills

Art. No.	Description · Length · Width · Height
BO 5000499B	Sharpening Stone · 200 mm · 50 mm · 25 mm

Especially suitable for high performance, automatic drilling equipment such as Benteler with automatic sharpening unit, for example!



Storage Tray for Diamond Drills



With 9 pairs of recessed storage spaces · provides secure storage of drills · for larger dimensioned drills simply leave adjacent spaces free

i Length 150 mm · Width 390 mm · Height 30 mm

Art. No.	
BO 79.25	



Dressing Stone for Diamond Drills



Removes used particles and creates a new cutting edge · after using the dressing stone, sharpen the drill with sharpening stone BO 5000499 · when drills are operated with little forward feed, no self-sharpening process takes place and the diamond particles turn blunt

i Length 100 mm · Width 25 mm · Height 13 mm

Art. No.	
BO 5000498	



Diamond Drill Box



For safely storing 4 diamond hollow drills for ceramic (not included) · includes drill core ejector and pin for releasing tight drills

Art. No.

BO 79.360



Diamantor® Adaptor



Mounting pin for adaptor · for ceramic and tile drilling machines · also suitable for drilling aid BO 79.355 for 4-12 mm drills · This adaptor makes flushing head drills universally suitable for any cordless drilling machine, simply spray some water into the drill hole for cooling.

i Inner thread M10 · Chuck 10 mm



Art. No.

TG AF10



Adaptor for Diamond Drill

For use with R 1/2" diamond hollow drills to convert to 1/4" thread



Art. No.

BO 5000501



Adaptor for Diamond Drill

For use with R 1/4" diamond hollow drills to convert to 1/2" thread



Art. No.

BO 5000502



Precision Drill Extension

For R 1/2" diamond hollow drills - ranging from 75 mm to 95 mm · industrial quality, stainless steel



Art. No.

BO 5000504

04 | Ceramic and Tile Drilling Technology

Aqua Drill Power+

▶ Wet Drilling Machine Aqua Drill Power+



With its 18 Volt lithium battery and 60 Nm torque, the new Aqua Drill Power+ is one of the most powerful cordless wet drilling machines currently on the market - a versatile machine for drilling the hardest ceramic and stone tiles and for impact drilling in masonry. The combination of the FESTOOL cordless impact drilling machine and the innovative Bohle water feed chuck enables safe drilling without risk of breaking the material. Due to the sturdy 4-speed metal gearbox speeds of up to 3800 rpm are possible. In the range of diamond drilling tools, the machine therefore features a self-sharpening effect starting from a diameter of 4 mm. Thanks to the switchable axial run-out, permanently changing between different drilling machines is no longer necessary when drilling masonry. The exchange on the fly of tool heads, water feed chuck, drill chuck and bit holder is done in a few seconds without tools with FastFix.

i Drill diameter 4-70 mm · Universal drill connection 1/2"

Included in delivery:

- 1x FESTOOL PDC cordless impact drilling machine
- 1x High quality Bohle water feed chuck
- 1x Fast coupling for water intake
- 1x High performance 18V / 4.2 AH lithium-ion battery
- 1x Quick exchange standard chuck, plus bit
- 1x Spare battery 18V / 5.2 Ah
- 1x Battery Charger
- 1x Chuck
- 1x Standard bit set
- 1x Systainer tool case



▼ Features

Adjustable torque control
Four switchable speeds,
sturdy metal gear:
Speed of first gear: 0 - 400 rpm,
Speed of second gear: 0 - 850 rpm,
Speed of third gear: 0 - 1850 rpm,
Speed of fourth gear: 0 - 3800 rpm
43 mm collar for use in the drill stand

Art. No.	Description
BO 79.303	Aqua Drill Power+
SP 79.BG119	Water Feed Chuck
BO 79.B1852	Spare battery 18V / 5.2 Ah

▶ Drilling Aid Template with Suction Holders



Precise drilling with little mess · the drilling dust is flushed with the coolant · a special sealing lip on the suction holder enables secure fixing even on relatively rough surfaces · special exchangeable drill bushings for 6, 8, 10 and 12 mm diameters · includes storage case

Art. No.

BO 79.350

▶ Drilling Aid for Pin Drill



With vacuum suction holder and adjustable drill plate

i Drill diameters 6, 8, 10, 12 mm

Art. No.

BO 79.351

▶ Drilling Aid - Adjustable



With vacuum suction holders and adjustable universal drill guide

i Diameter adjustable 20 - 70 mm

Art. No.	Description
BO 79.352	Drilling Aid - adjustable
BO 79.353	Professional Drilling Aid with Suction Holder for BO 79.303
BO 79.354	Drilling Aid for Pin Drill

▶ Pressurised Spray Water Tank 12 l



Independent water supply · integrated pressure gauge · plug-in coupling for direct connection to Aqua Drill (BO 79.300, BO 79.302 + BO 79.303) · length of connecting hose 3 m

i Safety valve 4 bar

Art. No.	Description
BO 79.370	Pressurised Spray Water Tank 12 l
SP 79.B1262	Spare Pump for Pressurised Spray Water Tank
SP 79.BG098	Gardena Adaptor Nipple for 79.370
SP 79.B1261	Manometer 6 bar for 79.350



Water Feed Chuck



With MK2 morse taper · for diamond hollow drills with 1/2" thread · fits drill stands

i Spanner 32 mm

Art. No.

BO 79.12

Recommended:

Order the required reduction
hose BO 80.BG103
separately.



Water Feed Chuck



04

Grinding,
Drilling,
Sawing



Water feed chuck with shaft for standard drill chucks of any cordless drilling machine. A low-price alternative instead of using diamond hollow drills for drilling glass and tiles.

i Thread 1/2"

Art. No.

BO 79.12A



Water Feed Chuck



Stainless steel shaft · for diamond drills with 1/2" thread · fits drill stand BO 760.5 and all standard drilling machines with 43 mm collar diameter · Spare part for BO 79.300 but is not suitable for BO 79.302 and BO 79.303!

i Spanner 24 mm

Art. No.

BO 79.BG095



Reduction Hose 1/2" to 3/8"



Suitable for connection of: water feed chuck BO 79.12A · water feed chuck BO 79.12 · drilling station · water connection · including Gardena quick coupling

i Length 2.5 m

Art. No.

Description

BO 80.BG103

Reduction Hose, complete



Safety Extension Lead



Safety extension lead to provide electrical personal protection for portable, non-hand-guided wet working machinery, e.g. drill stations · with PRCD safety switch 10 mA

Art. No.

BO 80.105



Diamond Hollow Drills for Ceramic

Developed especially for the Bohle Aqua Drill wet drilling machine · manual drill bit exchange without tools · for drilling hard ceramic tiles, granite, marble and regular tiles



i Belgian thread 1/2" · Length 95 mm

Art. No.	Diameter
BO 79.3605	5 mm
BO 79.3606	6 mm
BO 79.3607	7 mm
BO 79.3608	8 mm
BO 79.3609	9 mm
BO 79.3610	10 mm
BO 79.3612	12 mm
BO 79.3614	14 mm
BO 79.3626	26 mm
BO 79.3668	68 mm



Diamond Drill Box



For safely storing 4 diamond hollow drills for ceramic (not included) · includes drill core ejector and pin for releasing tight drills

Art. No.	
BO 79.360	



Set of Diamond Hollow Drills for Ceramic



For fitters · one each of 6 mm, 8 mm, 10 mm and 12 mm drill bits · incl. drill core ejector and pin for releasing tight drills

Art. No.	
BO 79.361	

Universal Accessories

Suitable for any cordless drilling machine.



Drilling Aid for Pin Drill 4 - 12 mm



With suction foot and water connection



Art. No.

BO 79.355



Diamantor® Adaptor



Mounting pin for adaptor · for ceramic and tile drilling machines · also suitable for drilling aid BO 79.355 for 4-12 mm drills · This adaptor makes flushing head drills universally suitable for any cordless drilling machine, simply spray some water into the drill hole for cooling.

i Inner thread M10 · Chuck 10 mm



Art. No.

TG AF10



Diamantor® Diamond Core Drills



Galvanised for ceramic tiles · with eccentric inner drill hole · simple core ejection



Art. No.	ø
TG F06	6 mm
TG F08	8 mm
TG F10	10 mm
TG F12	12 mm
TG F14	14 mm

04

Grinding,
Drilling,
Sawing

05 | Glass Sawing

Machines for Glass Sawing

Safety glass, cast resin glass and fire protection glass are increasingly installed in all kinds of locations. While multi-layered glass can only be sawn, laminated glass can alternatively be scored and broken. Sawing laminated glass still has the advantage of reducing scallops which result from breaking the glass. The following glass saws offer excellent value for money.

▶ Flex Diamond Saw for Laminated Glass



Special attention is given to the important issue of work safety by incorporating significant details such as PRCD safety switches as well as light metal protective covers and guide plates. The Flex diamond saw for laminated safety glass BO 5301617 is suitable for straight cuts in laminated safety glass or glass panes up to 40 mm thick. A parallel stopper is slid into the lateral guides and fixed with the two T-screws. The enclosed stainless steel slide plate with felt for prevention of scratches on glass surfaces is placed on the base plate of the saw so that it fits onto the side notches and is wedged into place · includes diamond saw blade BO 5301611, specially for laminated safety glass - ready to use!

i Special diamond cutting blade for flat glass with or without PVB films ø150 / 22.2 mm · No-load speed 6200 rpm · Power consumption 1400 W · Power output 840 W · Weight 4.5 kg

Art. No.

BO 5301617



Makita Cordless Glass Saw CC 300 DWE



New model for quick and precise cuts · very lightweight and easy to handle (net weight 1.7 kg)

i Cutting depth max. 25.5 mm · Angle adjustment up to 16.5 mm 45° · No-load speed 1400 rpm · Total length 300 mm

Included in delivery:

2 items Li-ion Block Batteries, 1.3 Ah
1 item Battery Charger
1 item Water Tank
1 item Diamond Saw Blade ø 85 mm

Art. No.	Description · Version
BO 5300110	Cordless Glass Saw
BO 5300109	Li-Ion Battery 1.3 Ah
BO 5300108	Block Battery 12V/2.6Ah for 4191 DWD
BO 5300106	Block Battery 12V/2.0Ah for 4191 DWA
BO 5300201	Torch Battery 9.6V/1.3Ah for 4190 DW
BO 5300111	Spare Charger for CC 300 DWE
BO 5300107	4191DWD Quick Battery Charger · 9 min.
BO 5300112	Makita Diamond Saw Blade ø 85 mm · especially suitable for white glass and tile cutting
BO 5300101	Makita Diamond Saw Blade ø 85 mm · for standard float glass
BO 5301607	Diamond Saw Blade ø 85 mm · especially suitable for standard float glass
BO 53001620	Diamond Saw Blade ø 85 mm · segmented · 15 mm drill hole · brand new for Makita, especially suitable for sawing laminated safety glass and float glass



Wet Jigsaw, Pneumatic



Proven brand-name quality (Bosch) · quick exchange of saw blades · without diamond saw blade

i Compressed air 6 bar · Consumption 720 l/min · Cutting depth max. 20 mm · Smallest radius 75 mm

Art. No.	Description · Version
BO 80.106	Wet jigsaw, pneumatic
BO 80.1060	Diamond Jigsaw Blade · fine
BO 80.1061	Diamond Jigsaw Blade · coarse

Accessories for Glass Saws

▶ Accessories for Cordless Glass Saw EY3550 DQG Panasonic



Art. No.	Description
BO 5302101	Diamond Saw Blade ø 110 mm
BO 5301608	Diamond Saw Blade ø 110/20 mm
BO 5302106	Battery pack NI-MH 12V/3.0 Ah

▶ Glass Protection Film



Protects the glass surface when working with manual power tools with metal guide shoes · self-adhesive · the film can be marked with waterproof marker · easy removal when the job is finished · white

Art. No.	Length · Width
BO 5300103	5000 mm · 100 mm
BO 5300104	5000 mm · 150 mm

▶ Battery Charger

For 7.2 to 14.4 volts · Ah max. 3.0 · for BO 5300100, BO 5300215 and BO 5300440



Art. No.
BO 5300203

▶ Quick Recharge Unit (9 min. at 1.3 Ah)

For 7.2 to 14.4 volts · for BO 5300105, BO 5300215, BO 5300100 and BO 5300440



Art. No.	Description
BO 5300107	4191DWD Quick Battery Charger · 9 min.



Segmented Diamond Saw Blade



Suitable for all common flat glass with or without PVB films

i Diameter 150 mm · Bore hole 22.2 mm

Art. No.	Description · Version
BO 5301611	Diamond Saw Blade ø 150/22.2 mm · segmented for laminated safety glass



Suction Holder for Guide Rails



In pairs · prevents the guide rail from slipping on smooth or wet glass surfaces · sturdy Bohle suction holder · robust aluminium construction

Art. No.	Description
BO 5301615	Suction Holder for Guide Rails



Guide Rail



Made of aluminium · as a stopper for straight cuts

Art. No.	Length
BO 5301613	800 mm
BO 5301616	1600 mm



Connector for Guide Rail



To connect 2 guide rails

Art. No.
BO 5301614



Diamond Glass-Cutting Saw Blades



Art. No.	Description · Version
BO 81.1-4	Diamond Saw Blade ø 300/30 mm · segmented for laminated safety glass
BO 81.1-5	Diamond Saw Blade ø 254/25 mm · for fine cuts
BO 5301608	Diamond Saw Blade ø 110/20 mm
BO 5300101	Makita Diamond Saw Blade ø 85 mm · for standard float glass
BO 5301607	Diamond Saw Blade ø 85 mm · especially suitable for standard float glass
BO 5301606	Diamond Saw Blade ø 110/20 mm
BO 5301611	Diamond Saw Blade ø 150/22.2 mm · segmented for laminated safety glass
BO 80.1060	Diamond Jigsaw Blade · fine
BO 80.1061	Diamond Jigsaw Blade · coarse
BO 79.461	Diamond Saw Blade ø 115/22.2 mm · can be used for any Flex and is suitable for dry sawing ultra-hard ceramics
BO 5300112	Makita Diamond Saw Blade ø 85 mm · especially suitable for white glass and tile cutting
BO 53001620	Diamond Saw Blade ø 85 mm · segmented · 15 mm drill hole · brand new for Makita, especially suitable for sawing laminated safety glass and float glass

06 | Electric and Pneumatic Power Tools

Electric and Pneumatic Power Tools

▶ Putty Removal Chisel

For glazing and repair work · for use with compressed air · comes complete with chisel, 20 mm wide

i Air consumption 2.5 l/min · Noise level 75 dB(A) · Weight 0.7 kg



Art. No.	Description
BO 5301200	Putty Removal Chisel
BO 53012001	Spare Bit for Scalloping Tool

▶ Manual Edge Coating Deleter

Electrical edge coating deleter for Low-E glass · for glass with straight or shaped edges · guided along the glass edge with stopper rollers · manual grinding pressure and forward feed · 1200 - 3700 rpm · 1200 W · 230V / 50Hz

i Size Abrasive Wheels 125 x 10 x 76.2 mm · Please note: Supplied without grinding disc.



Art. No.	
BO 89.110	Manual Edge Coating Deleter
SP 89.B0001	Plate
SP 89.B0002	Flange
SP 89.B0003	Counterflange
SP 89.B0004	Roll
SP 89.B0007	Guard
SP 89.B0008	Hexagon Head Screw

▶ Manual Edge Coating Deleter

Electrical edge coating deleter for Low-E glass · for straight edges · guide plate with undercarriage skid · grinding pressure produced by movable weight · manual forward feed · max. 3000 rpm · 600 W · 230V / 50Hz

i Size Abrasive Wheels 125 x 10 x 76.2 mm · Please note: Supplied without grinding disc.



Art. No.	
BO 89.100	

▶ Abrasive Wheels



Please note:

Please check which type is suitable for your specific application.

Type Elastic=low hardness,
Type MT=medium hardness,
Type HT=higher hardness

For edge coating deleter BO 89.100 / BO 89.110 and other makes · suitable for the most popular Low-E soft coatings · on request also possible for modified glass coatings and further pane dimensions · New at Bohle Norton Beartex: Especially flexible grinding fleece with outstanding abrasive properties; gentle to coating removal drive motors of cuttings plants.

Art. No.	Type · Outer diameter · Thickness · Bore hole
BO 5042001	MT · 125 mm · 10 mm · 76.2 mm
BO 5042003	HT · 125 mm · 10 mm · 76.2 mm
BO 5042005	Elastic · 125 mm · 10 mm · 76.2 mm
BO 5042002	MT · 200 mm · 10 mm · 76.2 mm
BO 5042004	HT · 200 mm · 10 mm · 76.2 mm
BO 5042006	HT · 200 mm · 20 mm · 76.2 mm
BO 5042007	Elastic · 200 mm · 20 mm · 76.2 mm
BO 5042008	Elastic · 200 mm · 10 mm · 76.2 mm
BO 5042009	Elastic · 150 mm · 10 mm · 25.4 mm
BO 5042009H	HT · 150 mm · 10 mm · 25.4 mm
BO 5042010	Elastic · 200 mm · 15 mm · 76.2 mm
BO 5042011	Elastic · 200 mm · 12 mm · 76.2 mm
BO 5042012	Elastic · 200 mm · 24 mm · 76.2 mm
BO 5042013	Elastic · 150 mm · 12 mm · 25.4 mm
BO 5042020	Norton Beartex D18-S Fine · 200 mm · 10 mm · 76.2 mm
BO 5042021	Norton Beartex D18-S Fine · 200 mm · 20 mm · 76.2 mm
BO 5042022	HT · 195 mm · 20 mm · 6 mm
BO 5042023	MT · 175 mm · 20 mm · 76.2 mm

04

Grinding,
Drilling,
Sawing

Scratch Removal

Our glass repair systems remove both surface scratches as well as deep scratches (Trizact) from glass. These systems even enable you to leave the windows in place while you remove scratches from the glass.

▶ Scratch-A-Way, Electrical



Removes surface scratches from flat as well as curved glass, both convex and concave · only little water needed · no distortions in the glass · saves money, since window panes do not need to be removed or transported · includes: Scratch-A-Way, electric model in carrying case · 4 polishing discs ·

1 sponge · 1 felt-tip marker · 1 magnifying glass · instruction manual

i Version electrical · Output 150 W · Speed 5000 - 9500 rpm · Polishing disc 45 mm Ø · Insulation / safety according to EN50144 / HD 400.1 + HD 400.2 · Weight 1.5 kg

Art. No.

BO 5300900

▶ Scratch-A-Way, Pneumatic



Removes surface scratches from glass · suitable for the automotive industry, furniture industry (glass tabletops), sanitary facilities (mirrors and shower stalls) etc. · simple to use with polishing disc · connection information: Air tool: 1/4" connection · Air hose: 1/4" connection · Compressor: optimum pressure 6-7 bar · includes: Scratch-A-Way, pneumatic, in carrying case · 10 polishing discs · 2 sponges · 1 felt-tip marker · 1 magnifying glass · instruction manual

i Version pneumatic · Air consumption 280 l/min · Speed 11000 rpm · Weight 750 g

Art. No.

BO 5300902

▶ Polishing Disc

For "Scratch-A-Way" · with Velcro



i ø 50 mm

Art. No.

BO 5300911

▶ Magnifying Glass

30-fold magnification · to determine the depth of scratches in glass



Art. No.

BO 5300903

▶ Rubber Collar

For Scratch-A-Way BO 5300900



Art. No.

BO 5300906

▶ Rubber Collar

For Scratch-A-Way BO 5300902



Art. No.

BO 5300907

▶ Basic Head (Velcro)



Base plate with Velcro · spare part for BO 5300900, 01 and 02 · No. 93075

Art. No.

BO 5300910

▶ Carbon Brushes



Suitable for Scratch-A-Way electric models · Set of 2

Art. No.

For

BO 5300908

BO 5300900

BO 5300909

BO 5300901

▶ 3M Trizact™ Glass Repair System



The handy transport case contains all necessary tools and materials for glass repair: FLEX manual grinding machine, 230 V with variable speed (1200 - 3200 rpm) · support plate ø 125 mm with M 14 thread · 2 rubber support pads ø 125 mm with M 14 thread · spray bottle with atomizer · 1 bottle of glass polishing compound (1 litre) for removing corrosion and deposits · 25 each of the following grinding discs: grit A 35 (green), A 10 (blue), A 5 (brown) · 25 polishing discs (white) · detailed instruction manual

Art. No.

BO 5300800

▶ Spare Parts and Consumables for 3M Trizact™



Art. No.

Description · Colour

BO 5300801

Polishing wheel · white

BO 5300802

Abrasive discs A5 · brown

BO 5300803

Abrasive discs A10 · blue

BO 5300804

Abrasive discs A35 · green

BO 5300808

Velcro polishing and cleaning disc

BO 5300805

Rubber support disc · 125 mm

BO 5300807

Velcro support plate · 125 mm

BO 5300806

Glass polishing compound 1l

04

Grinding,
Drilling,
Sawing



Flex Glass Polisher



In combination with the wear-resistant metal-diamond grinding discs, ideal for dry arrissing and glass edge grinding. Together with the felt polishing disc BO 5300811 suitable for removing hairline scratches, cloudy areas or stubborn dirt from glass surfaces. For use with polishing powder BO KF15001, BO KF15025 or glass polishing compound BO 5300806. Super-slim body, high torque motor, light weight and practical handle. It makes glass polishing convenient and easy. The accelerator switch and speed pre-selection enable controlled acceleration to the optimum speed. FLEX sixfold microprocessor electronics: with speed stabilisation, soft start with accelerator switch, start-up lock, overload protection, temperature monitor and speed pre-selection. High performance motor: heavy duty, 1400 W, 1100-3700 rpm idle speed. Includes glass polisher only.

Art. No.	Description
BO 5300809	Flex glass polisher
BO 5300810	Spare felt
BO 5300811	Felt disc
BO 5310081	Velcro grinding plate, 115 mm, for use with dry grinding discs with naps in the centre
BO 5300812	Carbon brushes



Metal Diamond Discs for Dry Grinding of Glass

Velcro fastening · not for use with speeds higher than 3700 rpm · use only with support plate BO 5310081!



i Diameter 115 mm · Centre hole 15 mm

Art. No.	Grit · Colour · Description
BO 5010081T	60 · green
BO 5010082T	120 · black
BO 5010083T	220 · red
BO 5010084T	400 · yellow
BO 5310081	Velcro grinding plate, 115 mm, for use with dry grinding discs with naps in the centre

Handling

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VERIBOR



Handling

The large range of products found in this chapter reflects the diversity of transport requirements that need to be met in the day-to-day handling of glass.

Lifting and transporting devices that have been specially developed for the

glass trade make this work easier. Safe transportation of glass is a basic requirement for the user and a main priority during development for Bohle, whether for relatively simple manual lifters or sophisticated, electrically driven lifting systems.

You will find more products and further information at www.bohle-group.com.



01 | Handling with Vacuum Technology

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.

▶ 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 the 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.

i 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.

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 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.

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 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 · Lifting radius 500 mm min. · 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 ø 220 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 · 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

05

Handling

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.

i 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.

❗ 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.

❗ 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.

❗ 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

i 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 Lifter 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.

i 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



i 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

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.

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.



i 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 603.0BL	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 · with CE sign

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 · 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.

❗ 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.

❗ 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



05

Handling

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.

i 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

❶ 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 / BO 600.11

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.

❶ 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.

❶ 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.

❶ 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.



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 602.4	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

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
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.

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 600.0	30 kg · vertical
BO 610.0	Suction pad for BO 600.0 / BO 600.1 / BO 600.11

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.

▶ 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.

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 609.0	ø 80 mm · 15 kg · vertical
BO 609.55	ø 50 mm · 5 kg · vertical

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.

▶ 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 $\varnothing$ 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

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 $\varnothing$ 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 $\varnothing$
BO 600.20R	6.5 mm $\varnothing$ · stainless
BO 600.20S	6.5 mm $\varnothing$ · with sealing lip for materials with textured surfaces
BO 600.20V	6.5 mm $\varnothing$ · 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, 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

▶ 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 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 without countersink
BO 600.92	with M8 thread
BO 600.921	with M8 thread · suction pad with sealing lip
BO 600.94	with ball joint

▶ 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

02 | Handling without Vacuum Technology

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

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

Wood's Powr-Grip® Vacuum Lifters

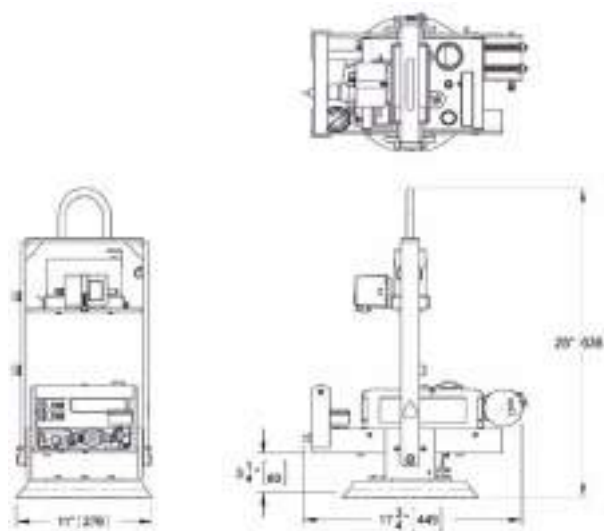
Wood's Powr-Grip® vacuum lifters are available in several different series and versions with optional features as well as additional practical accessories. In this section you will find just a few examples from our comprehensive product range. Please ask for detailed information about further products, 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



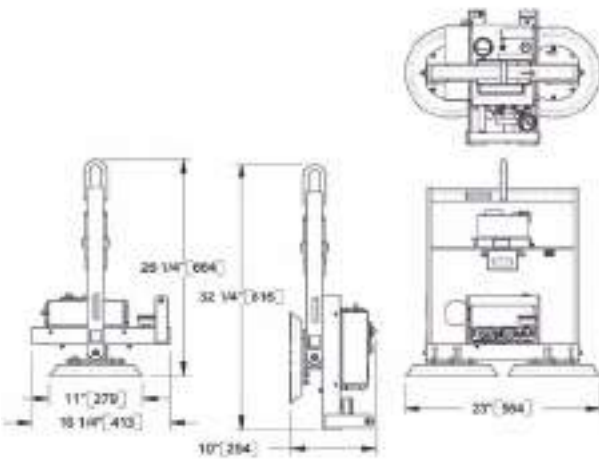
Wood's Powr-Grip® Vacuum Lifter, Load Capacity 135 kg



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



05

Handling

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



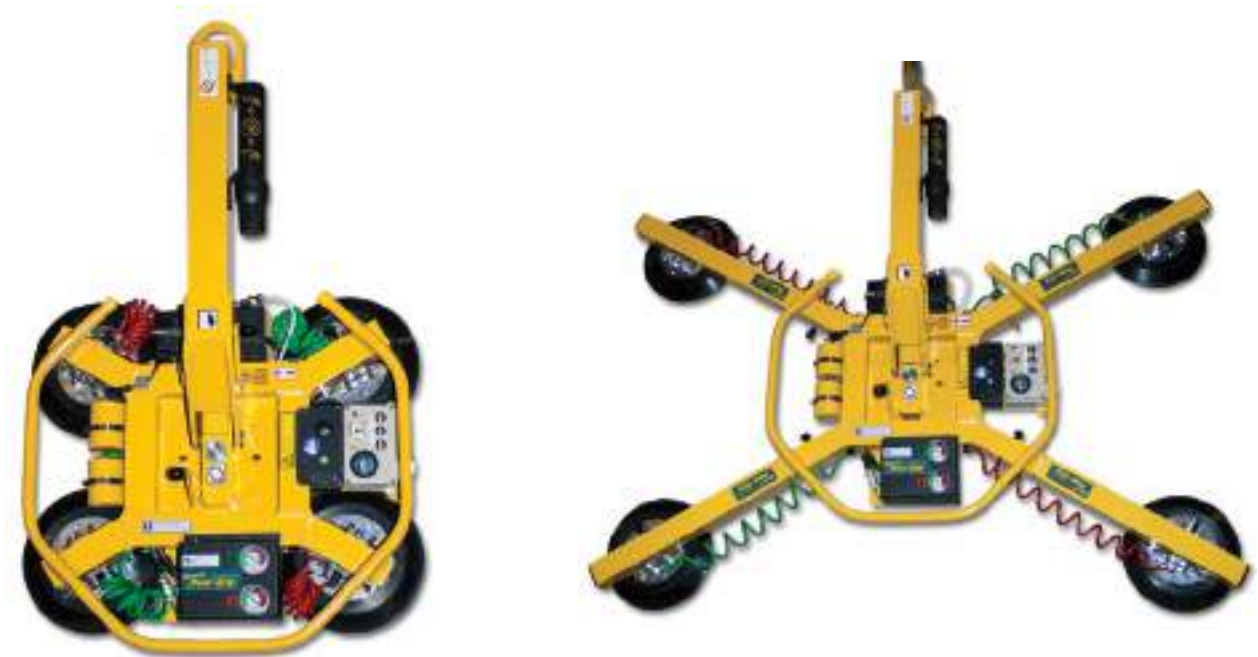
Wood's Powr-Grip® Vacuum Lifter, Load Capacity 320 kg



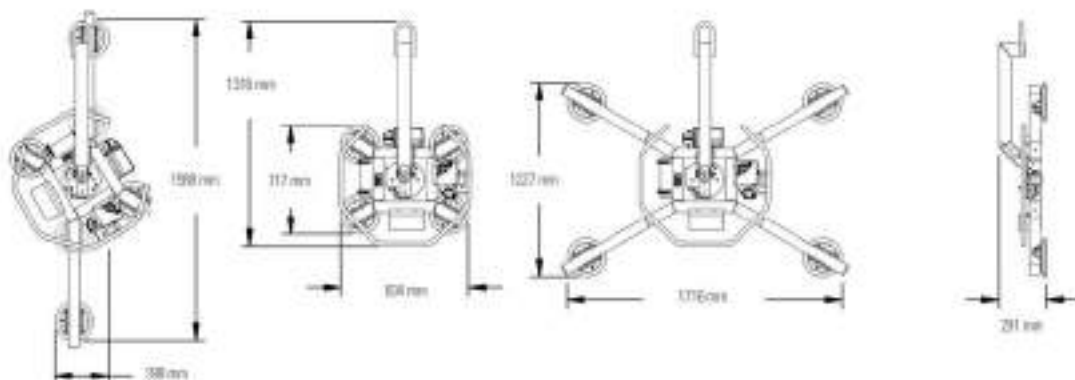
With 3 frame configurations, 360° rotation and 90° tilt, this Powr-Grip® vacuum lifter provides maximum versatility and flexibility in the workshop or at the construction site. As all Wood's Powr-Grip® vacuum lifters offered by Bohle, this model provides an especially high level of security with its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



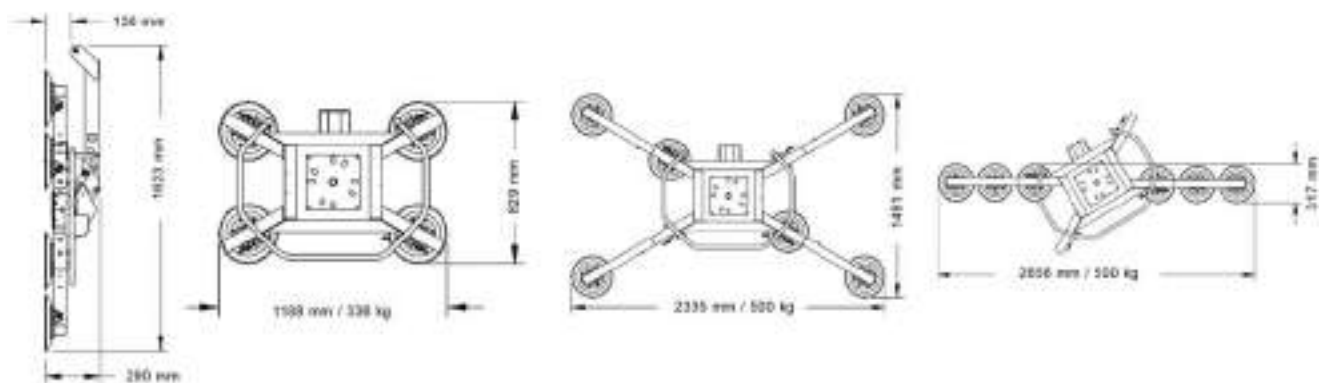
In addition to being battery powered and having a dual circuit vacuum system, this Powr-Grip® vacuum lifter features a very adaptable suction pad frame as well as a slim profile. Thus maximum versatility is ensured when handling loads, between building and scaffolding, for example, or in other similarly 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



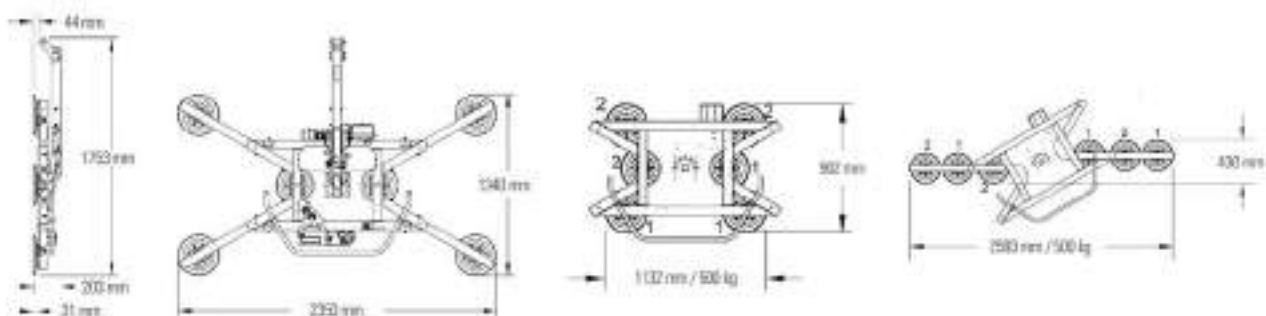
The Powr-Grip® vacuum lifter MRTALP611LDC is ideal for use in especially tight spaces using a crane or other hoisting device, e.g. between building and scaffolding. The lifting system can be rotated manually by 180° and tilted by 90°. It has a maximum load capacity of 500 kg and fully meets the requirements 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





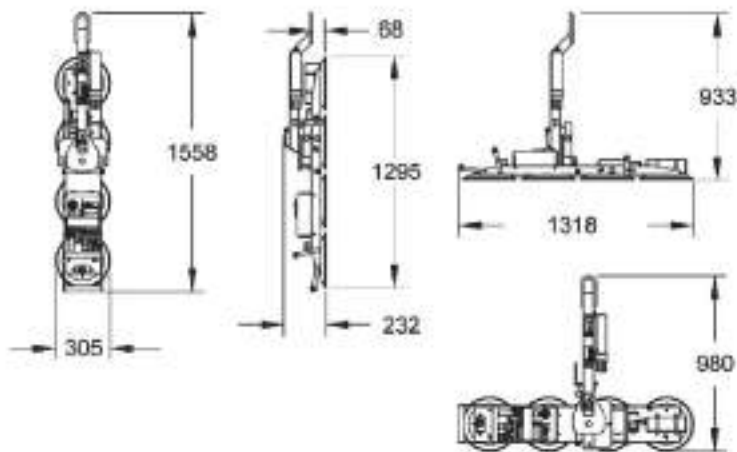
Wood's Powr-Grip® Vacuum Lifter, Load Capacity 320 kg



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)



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Handling

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



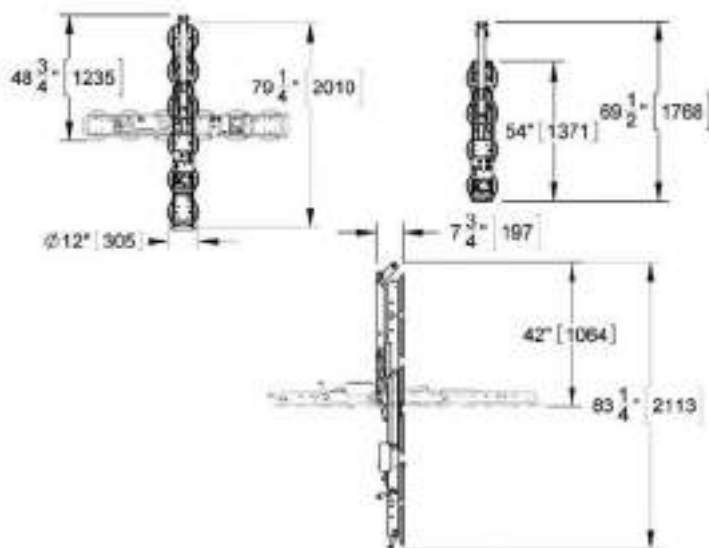
Wood's Powr-Grip® Vacuum Lifter, Load Capacity 500 kg



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

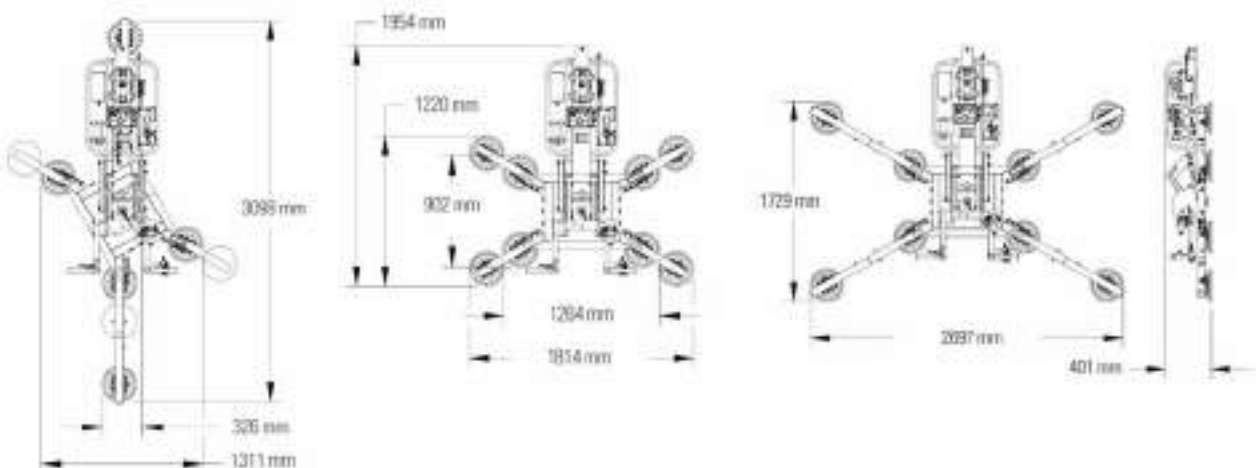
- Adapts to diverse transport and installation requirements
- Especially wide range of configurations (8 different configurations)
- For use at construction sites or workshops
- Independent of power supply
- High quality – proven over many years
- High load capacity of 635 kg thanks to high performance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



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Handling

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

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.

Innovative Handling Aid



Liftmaster B1 Lifting System with Dual Circuit Vacuum Lifter



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



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Handling

Specifications	
Length	1.3 m
Width	0.8 (with extended axles for widening the gauge 1.1 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.

B0 B18DM4



Innovative Handling Aid Liftmaster B2



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 B2 Bohle has now developed an innovative handling and mounting aid which can easily and safely move elements of up to 320 kg and a maximum width of 3.80 m like glass panes, window elements and metal or stone sheets - by only one person.

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), 110 V) 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.



Accessories

Extension rack for increasing the upper lifting position to 2,200 mm
 · Pneumatic tyres · Additional counterweights for heavy, protruding structural elements



05

Handling

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
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), 110 V

04 | Corner Protectors

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

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Handling

Glazing

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Glazing

Glazing - this term covers a wide spectrum of activities related to working with glass, windows and frames.

This begins with cutting, assembly of panes and windows as well as the required measuring techniques and includes lead and brass glazing. Repair

glazing and restoration work will continue to be important in the future, too.

For this constantly growing and developing field of work you can find the appropriate quality tools and aids in this chapter that allow you to achieve professional results.



01 | Measuring Tools

Measuring Tools for Analysing Glass

Modern developments make new technology necessary. Our electronic measuring tools can determine the various characteristics of panes and thus meet changing needs. The high-quality measuring tools in the Bohle portfolio make it easy for the glazier to determine glass thickness, the dimensions of the pane, etc. Flexible shape templates enable even difficult shapes to be easily transferred.

▶ Bohle Glass Measuring Set in Carrying Case



Contents:

- GlassBuddy® Plus, for flat glass analysis
- Merlin-Laser, glass thickness gauge made of plastic with laser diode
- Merlin TGI, tempered glass detector for thermally toughened glass
- TinCheck®, test device for determining the tin side
- Glass coating detector
- Glass thickness gauge (160 x 66 x 5 mm)
- GlassCheck, for measuring the total glass thickness
- Incl. cover insert
- Considerable savings compared to buying all devices individually!

06

Glazing

Art. No.	Description
BO 5164765	Carrying case including measuring devices
BO 5164764	Carrying case including measuring devices

This set comprises the following items:

BO 5164601	Merlin TGI	1 pc.
BO 5164615	TinCheck®	1 pc.
BO 5164700	Merlin Laser	1 pc.
BO 5164755	Bohle GlassBuddy® Plus	1 pc.
BO 5164801	Glass Check	1 pc.
BO 6164805	Glass Coating Detector	1 pc.
BO 5164900	Glass Thickness Gauge	1 pc.





Measuring Device Bohle GlassBuddy®

The multi-functional tool for the accurate analysis of flat glass. Regardless of whether single-pane, laminated or insulated glass, whether installed or not - in seconds the laser technology supplies information about glass thickness, configuration of panes, coatings, films and the exact position of films. GlassBuddy® from Bohle. One device that does it all. · Included in delivery: GlassBuddy® · protective case · operating instructions · programme for evaluation at the PC (on USB stick) · micro USB cable



Specifications	Bohle GlassBuddy® Basic	Bohle GlassBuddy® Plus
Description	Bohle GlassBuddy® Basic	Bohle GlassBuddy® Plus
Monolithic glass (mono)	yes	yes
Monolithic laminated glass (lam)	yes	yes
Monolithic laminated safety glass (lam-safety)	yes	yes
Monolithic multi-laminated glass (multi-lam)	yes	yes
Monolithic multi-laminated glass for fire protection (multi-lam-fire)	no	yes
1-gap insulating glass (IG) with monolithic glass (IG-2)	yes	yes
1-gap IG with laminated glass (IG-2-lam)	yes	yes
1-gap IG with laminated safety glass (IG-2-safety)	yes	yes
1-gap IG with multi-laminated glass (IG-2-multi-lam)	no	yes
1-gap IG with multi-laminated glass for fire protection (IG-2-fire)	no	yes
2-gap IG with monolithic glass (IG-3)	yes	yes
2-gap IG with laminated glass (IG-3-Lam)	yes	yes
2-gap IG with laminated safety glass (IG-3-safety)	yes	yes
Detection of interlayers	yes	yes
Identification of position and thickness of the interlayers	yes	yes
Graphic display of measuring results	yes	yes
PC software with graphic display	yes	yes
Software update online	yes	yes
Multiple languages	yes	yes
Measuring range	max. 50 mm	max. 100 mm
Art. No.	BO 5164760	BO 5164755

Art. No.	Description
BO 5164760	Bohle GlassBuddy® Basic
BO 5164755	Bohle GlassBuddy® Plus

▶ Software Upgrade from GlassBuddy® Basic to GlassBuddy® Plus

Please send in your GlassBuddy® for a software upgrade.



Art. No.

BO 5164761	Software Upgrade from GlassBuddy® Basic to GlassBuddy® Plus
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▶ Measuring Device Merlin Laser



For analysing glazed units · laser diode with sophisticated measuring electronics · press the button for instant measurements · precise measurements from only one side (independent of light) · measures glass thickness as well as air gaps of any multi-glazed unit · indicates PVB and resin layers of laminated units · battery-operated · low energy consumption · for coated glass, bullet-proof glass, multi-layered insulating glass, etc.

i Laser class: non-hazardous laser class 2/3a · Material precision-made plastic housing · Warranty 12 months

Art. No.	Scale · Instruction manual
BO 5164700	German · German
BO 5164701	English · English
BO 5164702	English · Spanish
BO 5164703	English · Italian
BO 5164704	French · French
BO 5164705	German · Dutch

▶ Glass Thickness Gauge

Measures glass thicknesses from 2 to 25 mm as well as the space between panes (up to 24 mm) of insulated glass units · also suitable for already installed windows · works on the basis of reflection in the glass pane



i Material Plastic

Art. No.	Description
BO 5164900	Glass Thickness Gauge
BO 5164901	Private label version with customer logo, one colour
BO 5164902	Private label version with customer logo, two colours

▶ Measuring Device Bohle GlassCheck



GlassCheck is used for measuring the overall glass thickness of already installed glass panes and insulated glass. The device is suitable for measuring glass thicknesses of up to 120 mm. The device also features an integrated glass thickness gauge which offers the possibility of determining the thickness of single glass panes (from 2 – 25 mm).

Please note:

· For quantities of 100 or more, available with your personal logo.

i Length 315 mm · Width 270 mm

Art. No.

BO 5164801

▶ Toughened Glass Indicator Merlin TGI



In leather pouch with battery charger · equipped with rechargeable battery · in no time it shows you whether the glass is toughened or not · also works with insulated glass units

i Material Plastic · Warranty 12 months

Art. No.

BO 5164601

Merlin TGI

▶ Measuring Device Bohle TinCheck® for Determining the Tin Side

The innovative TinCheck® measuring device identifies the tin bath side of float glass quickly, easily and reliably. By using the latest technologies, Bohle has succeeded in eliminating the significant disadvantages of conventional measuring devices such as light sensitivity or short service lives of lamps. The application of electronic components from the new LED generation enables our TinCheck® to indicate the correct result in the alphanumeric display even with the first measurement. Simply press the handy device against the glass pane and push the start button. The display shows your results immediately which remain on the display for a while.



▼ Features

- Innovative tin side tester
- The latest LED technology
- Only one measurement required
- Three display options
- High-durability lamp
- Low energy consumption

Art. No.

BO 5164615

TinCheck®



Detector of Low-E Coatings



For detecting and determining the location of low-E coatings on single panes or double glazed units (4-10 mm glass thickness of individual panes). When checking double glazed units, measurements must be taken from both sides in order to determine the exact position of the coating.

Art. No.

BO 6164805	Glass Coating Detector
------------	------------------------



Tin Side Detector



For certain applications in glass processing it is necessary to know which side of the glass has been in contact with the tin during float glass production. This is easily achieved with the Bohle tin side detector - especially suitable for use with glass fusing - operated by 4 standard "AA" batteries - includes batteries and instruction manual

Art. No. Description

BO 5164612	Detector
BO 5164611	Spare bulb for detector



Flexible Shape Template



For cutting shapes in glass - ideal for the repair of arched glass doors and windows - suitable for inner and outer arcs - held in place with suction holder BO 670.5 (please order separately) - Recommended: three suction holders for 90 cm, six suction holders for 180 cm

i Material made of flexible metal band

Art. No. Length · Width

BO 5140509	90 cm · 40 mm
BO 5140518	180 cm · 40 mm



Suction Holder



For shape templates BO 5140509 / BO 5140518 - for fixing onto glass surfaces

Art. No. Description

BO 670.5	Suction holder
BO 519.5	Spare suction pad

Measuring Devices for Construction Sites

In this chapter you will find high-quality but low-price measuring tools which support your work at building sites. Ranging from the laser distance meter up to the crossline laser, these useful helpers are suitable for precise dimensioning of rooms and exact mounting of windows, sliding doors, etc.



Laser Distance Meter

Handy pocked-sized laser distance meter with easily readable display · The little helper is perfect for interior tasks. Fast and precise measurements are done with one button press.

i Measuring range 0.05 - 50 m · Accuracy of measurement 1.5 mm · IP protection class IP54 · Batteries 2xAA · Working temperature -10°C - +50 °C · Dimensions 114 x 47 x 32 mm · Weight 130 g · Warranty 24 months

Included in delivery:

- 1 x Belly bag
- 1 x Hand strap
- 2 x Batteries
- 1 x Quick start set



Features

- Surveying distances of beforehand saved measuring results with the surveying function
- Addition and subtraction of measurements
- Automatic calculation of areas and volumes
- Clearly readable and illuminated display
- Distance measuring up to 50 m.
- Determination of room diagonals with the minimum/maximum measurement.
- Multifunctional tail piece
- Delayed triggering of measurements with a timer

Art. No.

BO 5164070

Laser Distance Meter



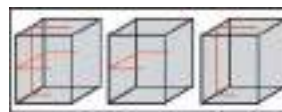
Line Laser

Automatic levelling with needle-sharp laser lines · The compact and building site approved line laser convinces with an absolutely clean laser line rendering. The device can be used easily and intuitively and has many useful functions. The laser is the perfect helper for interior tasks like assemblies of building parts, setting up drywall installations or floor and wall surface tasks.

i Weight 400 g · Working radius without receiver 10 m · Working radius with receiver 50 m · Self-levelling range horizontal 3° · Self-levelling range vertical 3° · Accuracy 3 mm / 10 m · Laser class: II · Laser diode 2 x 635 nm · Battery life 6 h · Batteries 3 x AA · Working temperature 0°C - 45 °C · Tripod socket 5/8" & 1/4" · IP protection class IP54 · Warranty 24 months · Width of the laser line at 8 m : 3 mm

Included in delivery:

- 1 x Bag
- 1 x Test certificate
- 1 x Target plate
- 3 x Batteries
- 1 x Multifunctional adaptor
- 1 x Quick start set
- 1 x Mini tripod / adaptor



Features

- Fast and precise self-levelling due to a magnetic extenuated pendulum
- Representing obliques by switching off the self-levelling function
- Separate set-up of laser diodes
- Battery status indicator for an in time battery change
- Working outside in flashing light or long distances in combination with a laser receiver
- A warning signal appears when the self-levelling range is left to avoid measurement errors
- One horizontal laser line for levelling tasks
- One vertical laser line to adjust alignment
- Connecting all common tripods and retainers with the magnetic multifunctional adaptor.
- 360° tracking of the laser lines with tripod

Art. No.	Description
BO 5164040	Line Laser
BO 5164041	Elevator Tripod
BO 5164042	Tripod
BO 5164043	Connecting screw for tripod
BO 5164044	Multifunctional adaptor for BO 5164040
BO 5164051	Protective glasses
BO 5164052	Target plate



Crossline Laser

The 360° line laser with 3 vertical and 4 horizontal laser lines for demanding interior fit-out projects · It displays horizontal and vertical lines in a range of 360° on all sides. Thus you have perfect straight lines and right angles round and round for your wall, floor and ceiling works. · Fast self-levelling of laser lines within 3 seconds on all sides. A reliable and precise device that simplifies work and saves time for any professional interior designer.

i Working radius without receiver 10 m · Working radius with receiver 50 m · Self-levelling range horizontal 2.5 ° · Self-levelling range vertical 2.5 ° · Accuracy 2 mm / 10 m · Laser class: II · Laser diode 7 x 635 nm, 1 x 650 nm · Accuracy of the 90° angle 1.5 mm · Battery life 5 h · Batteries 3 x AAA · Working temperature -10°C - +40 °C · Tripod socket 5/8" · Weight 1700 g · Warranty 24 months

Included in delivery:

- 1 x Case
- 3 x Batteries
- 1 x Test certificate
- 1 x Protective glasses
- 1 x Quick start set



Features

- Fast and precise self-levelling due to a magnetic extenuated pendulum
- Three horizontal laser lines which combined make a 360° line
- Four vertical laser lines in square order for precise adjustment of component parts
- Separate set-up of laser diodes
- Working outside in flashing light or long distances in combination with a laser receiver
- A warning signal appears whe the self-levelling range is left to avoid measurement errors
- Plumbing up and down and positioning of the device with a plumb beam

Art. No.	Description
BO 5164050	Crossline Laser
BO 5164041	Elevator Tripod
BO 5164042	Tripod
BO 5164043	Connecting screw for tripod
BO 5164044	Multifunctional adaptor for BO 5164040
BO 5164051	Protective glasses
BO 5164052	Target plate



Elevator Tripod



Includes a fast and precise height adjustment thanks to its crank lift · The tripod has a high adjustable range and, thanks to its crank lift, a fast and precise adjustment. Due to its weight, it supports line lasers, as well as rotary lasers. The integrated "stop straddle" device, together with the crossbars, provide high stability. The central tube has, in addition, an outlet for the plumb points of laser level devices.

i For BO5164040 + BO5164050 · Height max. 286 cm · Thread 5/8" · Weight 3.5 kg · Warranty 24 months

Art. No.	
BO 5164041	Elevator Tripod



Digital Spirit Level

The digital spirit level guarantees precise measuring values in degrees and millimetres. With a length of 60 cm, the spirit level is particularly suitable for aligning kitchen furniture and for installing windows and doors. The reinforced aluminium profile guarantees a flawless lining on work pieces, horizontally as well as vertically. Thanks to its switchable illumination, the user-friendly display can be read easily in any position. The display automatically turns when working overhead which minimises reading errors. · Perfect for adjusting kitchens and for window assembling thanks to its compact construction

i Dimensions 600 x 21 x 50 mm · Measuring range 4 x 90° · Accuracy of measurement 0.2° · Reading 0.1° · Batteries 2 x AAA · Working temperature -10°C - +50 °C · Storage temperature -20° - +70 °C · Warranty 24 months

Included in delivery:

2 x Batteries

1 x Bag

1 x Quick start set



Features

- Horizontal and vertical level
- Enhanced aluminium profile
- Easily readable display which automatically turns when working overhead
- Already pre-calibrated
- For absolute and relative measurements
- Measurements saveable with Hold button

Art. No.	Description
BO 5164060	without magnet
BO 5164061	with magnet



Wooden Folding Rule Bohle

Made of beech wood · high-quality joints · Made in Germany

i Length 2 m · Version millimetric scale



Art. No.

BO 5106002

Tape Measures

All tape measures meet the standards according to class II of the European Measuring Instruments Directive (2004/22/EC).

▶ Tape Measure Bohle

Plastic case · white tape · automatic tape rewind · adjustable end hook



Art. No.	Length · Width
BO 5106308	3.5 m · 16 mm

▶ Stanley Tape Measure

Plastic case · yellow tape · automatic tape rewind · adjustable end-hook · locking button · with belt clip



Art. No.	Length · Width
BO 5107003	3 m · 13 mm
BO 5107005	5 m · 19 mm

▶ Lufkin Ultralok Tape Measure

Shock-proof, chrome-plated plastic case · yellow tape · automatic tape rewind · adjustable end-hook · locking button · with belt clip



Art. No.	Length · Width
BO 5106400	3 m · 13 mm
BO 5106405	5 m · 19 mm
BO 5106408	8 m · 19 mm

▶ Lufkin Ultralok Tape Measure

Chrome-plated metal case · yellow tape · automatic tape rewind · adjustable end-hook



Art. No.	Length · Width
BO 5106403	3 m · 13 mm



Stanley Tape Measure



Powerlock · yellow tape · adjustable end-hook · metal case with locking button

Art. No.	Length · Width
BO 5106013	3 m · 12.7 mm
BO 5106014	5 m · 19 mm



Stanley Tape Measure



Panoramic

i Version with viewing window

Art. No.	Length · Width
BO 5106015	3 m · 12.7 mm



DIANA Tape Measure



Plastic case · yellow tape · rewind button · adjustable end-hook · with belt clip

Art. No.	Length · Width
BO 5106303	3.5 m · 13 mm
BO 5106305	5 m · 13 mm

02 | Glazing Accessories

Setting and Distance Blocks

Everything you need to perform your glazing work professionally can be found here: setting and distance blocks, protector pads for stacking, wire nails and much more - and naturally in the high Bohle quality to which you have become accustomed.

▶ Plastic Blocks (1000 bulk in box)



Made of tested and sealant-resistant material · the special structure of the surface with transverse grooves and the solid bottom make them ideally suited for different purposes · the design of the blocks guarantees flush positioning · Manufactured in accordance with Technical Guideline No. 3 of the German Glazier Trade "Blocking of Glazing Units".

i Load capacity per block max. 300 kg · Packaging unit 1000 items

Art. No.	Length · Width · Thickness · Colour
BO 5120001	100 mm · 20 mm · 1 mm · white
BO 5120002	100 mm · 20 mm · 2 mm · red
BO 5120003	100 mm · 20 mm · 3 mm · green
BO 5120004	100 mm · 20 mm · 4 mm · yellow
BO 5120005	100 mm · 20 mm · 5 mm · blue
BO 5120006	100 mm · 20 mm · 6 mm · black
BO 5120061	100 mm · 22 mm · 1 mm · white
BO 5120062	100 mm · 22 mm · 2 mm · red
BO 5120063	100 mm · 22 mm · 3 mm · green
BO 5120064	100 mm · 22 mm · 4 mm · yellow
BO 5120065	100 mm · 22 mm · 5 mm · blue
BO 5120066	100 mm · 22 mm · 6 mm · black
BO 5120011	100 mm · 24 mm · 1 mm · white
BO 5120012	100 mm · 24 mm · 2 mm · red
BO 5120013	100 mm · 24 mm · 3 mm · green
BO 5120014	100 mm · 24 mm · 4 mm · yellow
BO 5120015	100 mm · 24 mm · 5 mm · blue
BO 5120016	100 mm · 24 mm · 6 mm · black
BO 5120021	100 mm · 26 mm · 1 mm · white
BO 5120022	100 mm · 26 mm · 2 mm · red
BO 5120023	100 mm · 26 mm · 3 mm · green
BO 5120024	100 mm · 26 mm · 4 mm · yellow
BO 5120025	100 mm · 26 mm · 5 mm · blue
BO 5120026	100 mm · 26 mm · 6 mm · black
BO 5120071	100 mm · 28 mm · 1 mm · white
BO 5120072	100 mm · 28 mm · 2 mm · red
BO 5120073	100 mm · 28 mm · 3 mm · green
BO 5120074	100 mm · 28 mm · 4 mm · yellow
BO 5120075	100 mm · 28 mm · 5 mm · blue

Art. No.	Length · Width · Thickness · Colour
BO 5120076	100 mm · 28 mm · 6 mm · black
BO 5120031	100 mm · 30 mm · 1 mm · white
BO 5120032	100 mm · 30 mm · 2 mm · red
BO 5120033	100 mm · 30 mm · 3 mm · green
BO 5120034	100 mm · 30 mm · 4 mm · yellow
BO 5120035	100 mm · 30 mm · 5 mm · blue
BO 5120036	100 mm · 30 mm · 6 mm · black
BO 5120041	100 mm · 34 mm · 1 mm · white
BO 5120042	100 mm · 34 mm · 2 mm · red
BO 5120043	100 mm · 34 mm · 3 mm · green
BO 5120044	100 mm · 34 mm · 4 mm · yellow
BO 5120045	100 mm · 34 mm · 5 mm · blue
BO 5120046	100 mm · 34 mm · 6 mm · black
BO 5120051	100 mm · 40 mm · 1 mm · white
BO 5120052	100 mm · 40 mm · 2 mm · red
BO 5120053	100 mm · 40 mm · 3 mm · green



Plastic Blocks (500 bulk in box)



Made of tested and sealant-resistant material · the special structure of the surface with transverse grooves and the solid bottom make them ideally suited for different purposes · the design of the blocks guarantees flush positioning · Manufactured in accordance with Technical Guideline No. 3 of the German Glazier Trade "Blocking of Glazing Units".

i Load capacity per block max. 300 kg · Packaging unit 500 items

Art. No.	Length · Width · Thickness · Colour
BO 5120054	100 mm · 40 mm · 4 mm · yellow
BO 5120055	100 mm · 40 mm · 5 mm · blue
BO 5120056	100 mm · 40 mm · 6 mm · black
BO 5120081	100 mm · 42 mm · 1 mm · white
BO 5120082	100 mm · 42 mm · 2 mm · red
BO 5120083	100 mm · 42 mm · 3 mm · green
BO 5120084	100 mm · 42 mm · 4 mm · yellow
BO 5120085	100 mm · 42 mm · 5 mm · blue
BO 5120086	100 mm · 42 mm · 6 mm · black
BO 5120091	100 mm · 44 mm · 1 mm · white
BO 5120092	100 mm · 44 mm · 2 mm · red
BO 5120093	100 mm · 44 mm · 3 mm · green
BO 5120094	100 mm · 44 mm · 4 mm · yellow
BO 5120095	100 mm · 44 mm · 5 mm · blue
BO 5120096	100 mm · 44 mm · 6 mm · black
BO 5120101	100 mm · 46 mm · 1 mm · white
BO 5120102	100 mm · 46 mm · 2 mm · red
BO 5120103	100 mm · 46 mm · 3 mm · green
BO 5120104	100 mm · 46 mm · 4 mm · yellow
BO 5120105	100 mm · 46 mm · 5 mm · blue
BO 5120106	100 mm · 46 mm · 6 mm · black
BO 5120111	100 mm · 50 mm · 1 mm · white
BO 5120112	100 mm · 50 mm · 2 mm · red
BO 5120113	100 mm · 50 mm · 3 mm · green
BO 5120114	100 mm · 50 mm · 4 mm · yellow
BO 5120115	100 mm · 50 mm · 5 mm · blue
BO 5120116	100 mm · 50 mm · 6 mm · black
BO 5120121	100 mm · 56 mm · 1 mm · white
BO 5120122	100 mm · 56 mm · 2 mm · red
BO 5120123	100 mm · 56 mm · 3 mm · green
BO 5120124	100 mm · 56 mm · 4 mm · yellow
BO 5120125	100 mm · 56 mm · 5 mm · blue
BO 5120126	100 mm · 56 mm · 6 mm · black



Plastic Blocks (bag of 100)



Made of tested and sealant-resistant material · the special structure of the surface with transverse grooves and the solid bottom make them ideally suited for different purposes · the design of the blocks guarantees flush positioning · Manufactured in accordance with Technical Guideline No. 3 of the German Glazier Trade "Blocking of Glazing Units".

i Load capacity per block max. 300 kg · Packaging unit 100 items

Art. No.	Length · Width · Thickness · Colour
BO 5122001	100 mm · 20 mm · 1 mm · white
BO 5122002	100 mm · 20 mm · 2 mm · red
BO 5122003	100 mm · 20 mm · 3 mm · green
BO 5122004	100 mm · 20 mm · 4 mm · yellow
BO 5122005	100 mm · 20 mm · 5 mm · blue
BO 5122006	100 mm · 20 mm · 6 mm · black
BO 5122301	100 mm · 24 mm · 1 mm · white
BO 5122302	100 mm · 24 mm · 2 mm · red
BO 5122303	100 mm · 24 mm · 3 mm · green
BO 5122304	100 mm · 24 mm · 4 mm · yellow
BO 5122305	100 mm · 24 mm · 5 mm · blue
BO 5122306	100 mm · 24 mm · 6 mm · black
BO 5122601	100 mm · 26 mm · 1 mm · white
BO 5122602	100 mm · 26 mm · 2 mm · red
BO 5122603	100 mm · 26 mm · 3 mm · green
BO 5122604	100 mm · 26 mm · 4 mm · yellow
BO 5122605	100 mm · 26 mm · 5 mm · blue
BO 5122606	100 mm · 26 mm · 6 mm · black
BO 5123001	100 mm · 30 mm · 1 mm · white
BO 5123002	100 mm · 30 mm · 2 mm · red
BO 5123003	100 mm · 30 mm · 3 mm · green
BO 5123004	100 mm · 30 mm · 4 mm · yellow
BO 5123005	100 mm · 30 mm · 5 mm · blue
BO 5123006	100 mm · 30 mm · 6 mm · black
BO 5123401	100 mm · 34 mm · 1 mm · white
BO 5123402	100 mm · 34 mm · 2 mm · red
BO 5123403	100 mm · 34 mm · 3 mm · green
BO 5123404	100 mm · 34 mm · 4 mm · yellow
BO 5123405	100 mm · 34 mm · 5 mm · blue
BO 5123406	100 mm · 34 mm · 6 mm · black
BO 5124002	100 mm · 40 mm · 2 mm · red
BO 5124003	100 mm · 40 mm · 3 mm · green
BO 5124004	100 mm · 40 mm · 4 mm · yellow
BO 5124005	100 mm · 40 mm · 5 mm · blue
BO 5124006	100 mm · 40 mm · 6 mm · black



Wooden Blocks, Length 80 mm, Width 6 - 26 mm



Made from specially treated hardwood · sufficient pressure resistance · will not cause any damage to glass edges · Manufactured in accordance with Technical Guideline No. 3 of the German Glazier Trade "Blocking of Glazing Units".

i Packaging unit 100 items

Art. No.	Length · Width · Thickness · Colour
BO 5151202	80 mm · 12 mm · 2 mm · red
BO 5150602	80 mm · 6 mm · 2 mm · red
BO 5150603	80 mm · 6 mm · 3 mm · green
BO 5150604	80 mm · 6 mm · 4 mm · yellow
BO 5150605	80 mm · 6 mm · 5 mm · blue
BO 5150801	80 mm · 8 mm · 1 mm · white
BO 5150802	80 mm · 8 mm · 2 mm · red
BO 5150803	80 mm · 8 mm · 3 mm · green
BO 5150804	80 mm · 8 mm · 4 mm · yellow
BO 5150805	80 mm · 8 mm · 5 mm · blue
BO 5151201	80 mm · 12 mm · 1 mm · white
BO 5151203	80 mm · 12 mm · 3 mm · green
BO 5151204	80 mm · 12 mm · 4 mm · yellow
BO 5151205	80 mm · 12 mm · 5 mm · blue
BO 5152001	80 mm · 20 mm · 1 mm · white
BO 5152002	80 mm · 20 mm · 2 mm · red
BO 5152003	80 mm · 20 mm · 3 mm · green
BO 5152004	80 mm · 20 mm · 4 mm · yellow
BO 5152005	80 mm · 20 mm · 5 mm · blue
BO 5152006	80 mm · 20 mm · 6 mm · black
BO 5152201	80 mm · 22 mm · 1 mm · white
BO 5152202	80 mm · 22 mm · 2 mm · red
BO 5152203	80 mm · 22 mm · 3 mm · green
BO 5152204	80 mm · 22 mm · 4 mm · yellow
BO 5152205	80 mm · 22 mm · 5 mm · blue
BO 5152206	80 mm · 22 mm · 6 mm · black
BO 5152401	80 mm · 24 mm · 1 mm · white
BO 5152402	80 mm · 24 mm · 2 mm · red
BO 5152403	80 mm · 24 mm · 3 mm · green
BO 5152404	80 mm · 24 mm · 4 mm · yellow
BO 5152405	80 mm · 24 mm · 5 mm · blue
BO 5152406	80 mm · 24 mm · 6 mm · black
BO 5152601	80 mm · 26 mm · 1 mm · white
BO 5152602	80 mm · 26 mm · 2 mm · red
BO 5152603	80 mm · 26 mm · 3 mm · green
BO 5152604	80 mm · 26 mm · 4 mm · yellow
BO 5152605	80 mm · 26 mm · 5 mm · blue
BO 5152606	80 mm · 26 mm · 6 mm · black



Wooden Blocks Length 80 mm Width 28 - 32 mm



Made of specially treated hardwood · sufficient pressure resistance · will not cause any damage to glass edges ·
Manufactured in accordance with Technical Guideline No. 3 of the German Glazier Trade "Blocking of Glazing Units".

i Packaging unit 100 items

Art. No.	Length · Width · Thickness · Colour
BO 5152801	80 mm · 28 mm · 1 mm · white
BO 5152802	80 mm · 28 mm · 2 mm · red
BO 5152803	80 mm · 28 mm · 3 mm · green
BO 5152804	80 mm · 28 mm · 4 mm · yellow
BO 5152805	80 mm · 28 mm · 5 mm · blue
BO 5152806	80 mm · 28 mm · 6 mm · black
BO 5153001	80 mm · 30 mm · 1 mm · white
BO 5153002	80 mm · 30 mm · 2 mm · red
BO 5153003	80 mm · 30 mm · 3 mm · green
BO 5153004	80 mm · 30 mm · 4 mm · yellow
BO 5153005	80 mm · 30 mm · 5 mm · blue
BO 5153006	80 mm · 30 mm · 6 mm · black
BO 5153201	80 mm · 32 mm · 1 mm · white
BO 5153202	80 mm · 32 mm · 2 mm · red
BO 5153203	80 mm · 32 mm · 3 mm · green
BO 5153204	80 mm · 32 mm · 4 mm · yellow
BO 5153205	80 mm · 32 mm · 5 mm · blue
BO 5153206	80 mm · 32 mm · 6 mm · black



Wooden Blocks Length 30 mm Width 4 mm



Made of specially treated hardwood · sufficient pressure resistance · will not cause any damage to glass edges ·
Manufactured in accordance with Technical Guideline No. 3 of the German Glazier Trade "Blocking of Glazing Units".

i Packaging unit 1000 items

Art. No.	Length · Width · Thickness · Colour
BO 5150402	30 mm · 4 mm · 2 mm · red
BO 5150403	30 mm · 4 mm · 3 mm · green
BO 5150404	30 mm · 4 mm · 4 mm · yellow
BO 5150405	30 mm · 4 mm · 5 mm · blue



Transparent Setting and Distance Strips



Transparent setting strips made of plastic · for use when mounting all-glass showers, all-glass assemblies, mirrors or other glazing applications

Art. No.	Length · Width · Thickness · Packaging unit · Description
BO 5121001	50 mm · 6 mm · 1 mm · 100 items
BO 5121002	50 mm · 6 mm · 2 mm · 100 items
BO 5121003	50 mm · 6 mm · 3 mm · 100 items
BO 5121004	50 mm · 6 mm · 4 mm · 100 items
BO 5121005	50 mm · 6 mm · 5 mm · 100 items
BO 5121006	50 mm · 6 mm · 6 mm · 100 items
BO 5121008	50 mm · 6 mm · 8 mm · 100 items
BO 5121010	50 mm · 6 mm · 10 mm · 100 items
BO 5121011	200 items · Set of 25 pieces each, 1, 2, 3, 4, 5, 6, 8 and 10 mm



Transparent Setting and Distance Strips, sold per roll



Transparent setting strips made of plastic · for use when mounting all-glass showers, all-glass assemblies, mirrors or other glazing applications

Art. No.	Length · Width · Thickness
BO 5121002R	5 m · 6 mm · 2 mm
BO 5121003R	5 m · 6 mm · 3 mm
BO 5121004R	5 m · 6 mm · 4 mm



Set for Construction Sites: Transparent Setting and Distance Strips



Transparent distance strips made of plastic · for use when mounting all-glass showers or assemblies, mirrors and other glass constructions. The BO 5122000 set with its practical small parts magazine enables you to have the right strip at hand on site at all times

i Length 50 mm · Width 6 mm · Size 1, 2, 3, 4, 5, 6, 8, 10 mm · Sales unit Set 100 items

Art. No.

BO 5121000



Plinto Glazing Blocks



The Plinto mounting block is of versatile use. Mounting and aligning windows, doors, etc. becomes very easy thanks to the different adjustment options. Plinto is available in two sizes with adjustment heights of 8/12 or 13/20 mm.

i Description adjustable

Art. No.	Adjustment range
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BO 5121100	8 - 10 mm
------------	-----------

BO 5121101	13 - 10 mm
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Small Parts Magazine with 21 Different Storage Spaces



High quality plastic model. Transparent cover with two pressure caps. Tight seal between separating walls and cover. Ergonomic handle. Intermediate walls can be taken out and thus make size of storage spaces adjustable

i Outer dimensions 320 x 270 x 50 mm · Size of storage space 55 x 45 x 50 mm · Storage spaces adjustable 21 items

Art. No.

BO 5122000



Spacer Tape without Backing Film



Self-adhesive on one side · on rolls · time-saving because it can be applied directly from the roll without having to peel off any film · Made in Germany · premium quality



Art. No.	Width · Thickness · Length · Packaging unit · Colour
BO 5006203	6 mm · 2 mm · 25 m · 250 m · white
BO 5006208	6 mm · 2 mm · 25 m · 250 m · black
BO 5006303	6 mm · 3 mm · 25 m · 250 m · white
BO 5006308	6 mm · 3 mm · 25 m · 250 m · black
BO 5006403	6 mm · 4 mm · 25 m · 250 m · white
BO 5006408	6 mm · 4 mm · 25 m · 250 m · black
BO 5006503	6 mm · 5 mm · 25 m · 250 m · white
BO 5006508	6 mm · 5 mm · 25 m · 250 m · black
BO 5009203	9 mm · 2 mm · 25 m · 250 m · white
BO 5009208	9 mm · 2 mm · 25 m · 250 m · black
BO 5009303	9 mm · 3 mm · 25 m · 250 m · white
BO 5009308	9 mm · 3 mm · 25 m · 250 m · black
BO 5009403	9 mm · 4 mm · 25 m · 250 m · white
BO 5009408	9 mm · 4 mm · 25 m · 250 m · black
BO 5009503	9 mm · 5 mm · 10 m · 100 m · white
BO 5009508	9 mm · 5 mm · 10 m · 100 m · black
BO 5012203	12 mm · 2 mm · 25 m · 250 m · white
BO 5012208	12 mm · 2 mm · 25 m · 250 m · black
BO 5012303	12 mm · 3 mm · 25 m · 250 m · white
BO 5012308	12 mm · 3 mm · 25 m · 250 m · black
BO 5012403	12 mm · 4 mm · 25 m · 250 m · white
BO 5012408	12 mm · 4 mm · 25 m · 250 m · black

Cork Protector Pads

▶ Cork Protector Pads Premium with Adhesive Foam

Available in dimensions of 16.2 x 17.5 mm, punched on rolls of 10,000 or loose in boxes of 6,000 (punched foam-on-foam).



Art. No.	Thickness · Sales unit
BO 5105150	3 mm · roll 10.000 items
BO 5105160	4 mm · roll 10.000 items
BO 5105151	3 mm · carton 6.000 items
BO 5105161	4 mm · carton 6.000 items

▶ Cork Protector Pads Premium, self-adhesive

Punched on rolls with paper cover



i Packaging unit 10.000 items

Art. No.	Thickness · Length · Width
BO 5105170	2 mm · 18 mm · 18 mm
BO 5105180	3 mm · 18 mm · 18 mm
BO 5105190	4 mm · 18 mm · 18 mm

▶ Wooden Wedges

Hardwood



i Packaging unit 50 items

Art. No.	Thickness · Length · Width
BO 5162002	2/15 mm · 100 mm · 20 mm

▶ Glazier Wire Pins



i Packaging unit pack of 2 kg

Art. No.	Thickness · Length
BO 5101114	1.1 mm · 14 mm
BO 5101217	1.2 mm · 17 mm



Wire Nails



Galvanised iron · with upset heads

Art. No.	Thickness · Length · Sales unit
BO 5105225	1.4 mm · 25 mm · 1 kg
BO 5105230	1.6 mm · 30 mm · 1 kg
BO 5105235	1.8 mm · 35 mm · 2.5 kg

Packaging



Bubble Wrap



For protective wrapping of glass panes, pictures, framed mirrors, etc.

i Thickness 60 µ · Please note: Each roll must be shipped as separate item.

Art. No.	Width · Length
BO 3901800	1.2 m · 100 m
BO 3901804	1.5 m · 100 m
BO 3901805	1 m · 50 m



Protective Wrap without Dispenser Roller



10 rolls without dispenser roller · does not stick, but clings perfectly · ideal for wrapping framed pictures, windows and mirrors

i Width 100 mm · Length 150 m

Art. No.	Packaging unit
BO 3901603	Rollers 10



Dispenser

Dispenser for stretch films, width 100 mm, suitable for BO 3901603



Art. No.
BO 3901606



Stretch Film and Dispenser



i Colour transparent · Width 500 mm · Length ~300 m · Thickness 20 µ · Diameter Core 50 mm

Art. No.

BO 3901650 Stretch Film

BO 3901604 Dispenser



Packing Tape "GLASS - Handle with care"



For packing and labelling glass and glass products · Labelled in the following languages: German, English, Spanish, French, Italian, Dutch

i Width 50 mm · Length 66 m

Art. No.

BO 3702350 Packing Tape "GLASS - Handle with care"



PVC Packing Tape



Used with the tape dispenser BO 3702560 · very adhesive

i Width 50 mm · Length 66 m · Diameter Core 76 mm

Art. No.

BO 3702550



Tape Dispenser



Solid metal-plastic construction · adjustable brake and tearing edge · one-hand operation when packing pictures with air cushioned wrap or cardboard corner protectors

Art. No.

BO 3702560

Corner Protectors



Corner Protectors Economy



Art. No.	Glass thickness · Bracket length · Colour · Sales unit
BO 5105060	3 - 4 mm · 40 mm · transparent · 100 items
BO 5105061	5 - 6 mm · 47 mm · transparent · 100 items
BO 5105062	8 - 10 mm · 58 mm · transparent · 100 items
BO 5105070	3 - 4 mm · 40 mm · transparent · 4000 items
BO 5105071	5 - 6 mm · 47 mm · transparent · 2500 items
BO 5105072	8 - 10 mm · 58 mm · transparent · 1250 items
BO 5105073	11 - 12 mm · 50 mm · black · 1000 items



Corner Protectors Premium



Glass protector which can be reused several times · reliable protection against impacts or falling



Art. No.	
BO 5100810	

Framing



Gummed Hangers



i Diameter 30 mm · Contents 100 items

Art. No.

BO 3300030

Please note:

You will find more framing products on our website at www.bohle-group.com.



Double-Sided Adhesive Tape, large, 19 mm wide



Permanently adhesive · 76 mm core diameter · for fixing and fastening photos and prints · ageing resistant · roll length 50 m · width 19 mm

i Width 19 mm · Roll length 50 m

Art. No.

BO 3702519

Please note:

You will find more framing products on our website at www.bohle-group.com.



Folding Stick

Made of bone · for remodelling and improved application of frame wax



i Width 16 cm

Art. No.

BO 3200200

Please note:

You will find more framing products on our website at www.bohle-group.com.



Filmoplast P 90, 4 cm wide

Self-adhesive, white, tear proof backlining paper for fixing originals to passepartouts or for masking the frame · free of wood · when stored in standard atmosphere, soluble with water from solid paper surfaces · BAM tested · paper with adhesive without cover, aged: pH value 7.8



i Width 40 mm · Roll length 50 m

Art. No.

BO 3702506

Please note:

You will find more framing products on our website at www.bohle-group.com.



Filmoplast P 90, 2 cm wide

1 box · self-adhesive, white, tear proof backlining paper for fixing originals to passepartouts or for masking the frame · free of wood · soluble with water from solid paper surfaces · BAM tested · paper with adhesive without cover, aged: pH value 7.8



i Width 20 mm · Roll length 50 m

Art. No.

BO 3702501

Please note:

You will find more framing products on our website at www.bohle-group.com.



Filmoplast P 90 plus, 2 cm wide



1 box · acid-free, self-adhesive special paper (white, tear proof and free of wood) · especially high adhesive strength · for fixing photos or prints onto the passepartout or the rear wall and for dust-free bonding of the rear wall to the frame · strength 50 g/m²

i Width 20 mm · Roll length 50 m

Art. No.

BO 3702510

Please note:

You will find more framing products on our website at www.bohle-group.com.



Filmoplast P, 2 cm wide



1 box · self-adhesive, transparent, gossamer special paper for repairing cracked papers and prints · manufactured in accordance with the latest know-how about the preservation of cellulose fibres · BAM tested (Az.3.3/8352/90) · paper with adhesive without cover, aged: pH value 8.4

i Width 20 mm · Roll length 50 m

Art. No.

BO 3702500

Please note:

You will find more framing products on our website at www.bohle-group.com.



Filmoplast SH (Textil shirting)



Bookbinding cloth, self-adhesive on one side, white, for masking oil paintings or for producing folding passepartouts · environmentally friendly, biodegradable · solvent-free, ph-neutral, ageing resistant acrylate adhesive

i Width 30 mm · Roll length 25 m

Art. No.

BO 3702507

Please note:

You will find more framing products on our website at www.bohle-group.com.



Diamond Points large



i Contents 4000 items · Length 12.7 mm

Art. No.	Description · Size · Sales unit
BO 3700952	Diamond Points · large · 12.7 mm · 4000 items

Please note:

You will find more framing products on our website at www.bohle-group.com.



Triangle Points small



i Contents box 2700 items

Art. No.	Description · Size · Sales unit
BO 3700955	Triangle Points · small · 11 mm · 2700 items

Please note:

You will find more framing products on our website at www.bohle-group.com.



Soft Plates for Elpa

Suitable for Elpa FXM and Elpa FP-XM



Art. No.	Description · Size · Sales unit
BO 3701212	Flexi Point plates · sales unit 2080 pcs.

Please note:

You will find more framing products on our website at www.bohle-group.com.



Framemaster Hand Tacker



The Framemaster is a hand tacker with rotatable depot, including 10 mm (glazier's points) or 16 mm (framer's points) steel plates which are introduced flat into the wooden strip through the rear side · the driving force can be adjusted via knurled screw

Art. No.	Description
BO 3701100	Framemaster Hand Tacker
BO 3701110	Glazier's points 10 mm · 5000 to a box
BO 3701116	Framer's points 16 mm · 3000 to a box

Please note:

You will find more framing products on our website at www.bohle-group.com.



Eye Plates



Screwed laterally onto the wooden frame · the picture wire / Perlon wire is inserted through the loops, which are rounded off to protect the wire, and knotted · packed in pairs, the eye plated are supplied with screws

Art. No.	Size
BO 3800100	small 12 x 50 mm
BO 3800101	large 12 x 90 mm

Please note:

You will find more framing products on our website at www.bohle-group.com.



Self-Adhesive Paper Tape for Rear Walls



High-strength paper adhesive tape · strong adhesive force · highly stressable · for masking rear walls · especially suitable for lacquered strips which rubberised wet adhesive tapes do not adhere to

i Width 50 mm · Roll length 50 m

Art. No.
BO 3702250

Please note:

You will find more framing products on our website at www.bohle-group.com.



Adhesive Paper Tapes



Acid-free · 60 g paper quality · for dust-proof bonding of rear walls of picture frames · neatly rubberised, bookbinding quality

i Roll length 200 m · Width 40 mm

Art. No.	Colour
BO 3702140	brown
BO 3702040	white

Please note:

You will find more framing products on our website at www.bohle-group.com.



Spray Adhesive 77



Specially for bonding glazier's felt to cutting tables · universal use, sticks immediately, does not bleed through and is resistant to heat and ageing · free of fluorocarbons · for added safety no solvents have been used which are classed as toxic per Ordinance on Hazardous Substances · one can covers approx. 5 m²

Art. No.	Contents
BO 3202070	500 ml

Please note:

You will find more framing products on our website at www.bohle-group.com.

03 | Hand Tools

Block Levers / Glazing Shovels

For everyday use. For setting glazed units both easily and expertly.

▶ Glazing Shovel Economy, Wood

Made of wood without knots · Made in Germany



i Width 70 mm · Length 280 mm

Art. No.

BO 5165000	Glazing Shovel
------------	----------------

▶ Glazing Shovel Premium, Plastic

Made of shock-proof plastic · solid · blue · easy-grip handle · especially sturdy · Made in Germany



i Width 74 mm · Length 280 mm

Art. No.

BO 5165301	Glazing Shovel
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▶ Glazing Shovel Premium, Plastic with Wooden Handle

Made of plastic · with wooden handle



i Width 66 mm · Length 275 mm

Art. No.

BO 5165400	Glazing Shovel
------------	----------------

▶ Glazing Shovel Premium, Plastic with Wooden Handle XL

Made of grey plastic · with wooden handle



i Width 68 mm · Length 290 mm

Art. No.

BO 5165401	Glazing Shovel
------------	----------------



Glazier's Spatula Premium with Wooden Handle



Metal · ground · with front bevel · rounded chisel handle · for loosening beading · heavy duty · Made in Germany

i Width 80 mm · Length 285 mm

Art. No.

BO 5165200

Glazier's Spatula



Glazier's Spatula Premium, Leather-covered handle



Metal · ground · with front bevel · for loosening beading and separating wooden distance blocks · leather strip handle · Made in Germany

i Width 80 mm · Length 242 mm

Art. No.

BO 5165100

Glazier's Spatula

Putty Knives

Bohle's range of putty knives includes all kinds of blade shapes and thus can meet every possible requirement.



Putty Knife Premium "DON CARLOS" with Rib



Spear point, continuous blade · light-coloured wooden handle · Made in Germany

Art. No.

Blade length · Width

BO 5162300

110 mm · 28 mm



Putty Knife Premium "DON CARLOS" with Rib



Spear point, continuous blade · black polished wooden handle · Made in Germany

Art. No.

Blade length · Width

BO 5162301

110 mm · 28 mm



Putty Knife Premium with pointed, continuous blade

Spear point · highly polished, continuous blade · black polished wooden handle · Made in Germany



Art. No.	Blade length · Width
BO 5162400	105 mm · 27 mm



Putty Knife Economy

Spear point · highly polished, non-continuous blade · brown polished wooden handle · Made in Germany



Art. No.	Blade length · Width
BO 5162200	90 mm · 26 mm



Putty Knife, French Design

With rib · French design · convex, highly polished, non-continuous blade · brown polished wooden handle · Made in Germany



Art. No.	Blade length · Width
BO 5163100	100 mm · 35 mm



Putty Knife with blunt, continuous blade

With blunt, curved, highly polished, continuous blade · brown polished wooden handle · Made in Germany



Art. No.	Blade length · Width
BO 5162600	95 mm · 18 mm
BO 5162628	95 mm · 28 mm



Putty Knife, Swiss Design

Swiss design · with front slanting, highly polished, non-continuous blade · brown polished wooden handle · Made in Germany



Art. No.	Blade length · Width
BO 5162500	87 mm · 18 mm



Putty Knife, Swedish Design

Swedish design · with front slanting, highly polished, continuous blade · brown polished wooden handle · Made in Germany



Art. No.	Blade length · Width
BO 5162100	110 mm · 26 mm



Glazier's Knife Premium

High-quality glazier knife · stainless steel · with plastic handle · heavy duty · Made in USA



Art. No.	Blade length · Width
BO 5165501	85 mm · 60 mm



Glazier's Knife Economy Vetro Craft

Stainless steel · with plastic handle



Art. No.	Blade length · Width
BO 5165503	90 mm · 62 mm

Hacking Knives

A safe and reliable tool for removing stubborn putty from windows. Please also note our putty chisel BO 5301200 in chapter "Grinding, Drilling, Sawing".



Hacking Knife Economy with plastic handle

With plastic handle · Made in Germany



Art. No.	Blade length · Width
BO 5164000	95 mm · 30 mm



Hacking Knife Premium "DON CARLOS" with plastic handle

With plastic handle · forged blade · Made in Germany



Art. No.	Blade length · Width
BO 5164200	100 mm · 38 mm



Hacking Knife Premium "DON CARLOS" with leather-covered handle

With leather-covered handle · forged blade · Made in Germany



Art. No.	Blade length · Width
BO 5164300	100 mm · 38 mm



Hacking Knife Economy with leather-covered handle

Leather-covered handle · Made in Germany



Art. No.	Blade length · Width · Thickness
BO 5164100	100 mm · 30 mm · 5 mm

Lead Putty Knives

An indispensable tool for doing traditional lead or brass glazing. The variety of blade shapes makes these knives ideal for universal use in the glass art sector.



Lead Knife Economy

Economy lead knife · Light-coloured wooden handle · Made in Germany



Art. No.	Blade length
BO 5102300	100 mm



Lead Knife Premium

High-quality lead knife · Black wooden handle with lead inlay · Made in Germany



Art. No.	Blade length
BO 5102200	100 mm



Lead Knife Premium "DON CARLOS"

Forged blade · Made in Germany



Art. No.	Description · Blade length
BO 5102400	Light-coloured wooden handle · 100 mm
BO 5102404	Green plastic handle · 100 mm



Lead Knife Premium "DON CARLOS"

Wooden handle with lead inlay · Forged blade · Made in Germany



Art. No.	Description · Blade length
BO 5102401	Light-coloured wooden handle · 100 mm
BO 5102403	Black wooden handle with lead inlay · 100 mm



Lead Knife, Crescent Shape, Economy

Crescent shape · light-coloured wooden handle · Made in Germany



Art. No.	Blade length
BO 5102500	100 mm



Lead Knife, Crescent Shape, Premium "DON CARLOS"

Crescent shape · light-coloured wooden handle · Made in Germany



Art. No.	Blade length
BO 5102501	100 mm



Lead Knife, Sickle-Shaped

Sickle-shaped blade · wooden handle with metal inlay



Art. No.	Blade length
TG 2507	70 mm

Glazier's Hammers

Here you can find a selection of hammers for all kinds of applications.

▶ Glazier's Hammer, pointed



With brackets and ground head · polished ash wood handle · Made in USA

Art. No.

BO 5102000

Glazier's Hammer

▶ Glazier's Hammer, blunt



Without brackets · both sides blunt · wooden handle

Art. No.

BO 5102001

Glazier's Hammer

▶ Simplex Mallet with Two-Piece Spanner Casing



Impact inserts and handle are easily exchanged · impact inserts and wooden handle are fastened securely with an Allen screw within a cast metal casing

i Diameter impact area 30 mm · Length of head 90 mm · Total length 300 mm · Length of handle 262 mm

Art. No.

BO 5105118

Simplex Mallet with Two-piece Spanner Casing

▶ Locksmith's Hammer



Head painted black · contoured wooden handle

i Weight 300 g

Art. No.

BO 5104030

Locksmith's Hammer

▶ Rubber Mallet



Ash wood handle · flat impact area on both sides

i Hardness of mallet head 90° Shore

Art. No.

BO 5104100

Rubber Mallet

Pliers

In our comprehensive range of high quality glazing tools you can also find a selection of "KNIPEX" pliers.

▶ "KNIPEX" Pincers



Painted black · ground head · withstands extreme loads · precision made · very durable · excellent weight distribution · Made in Germany

i Length 180 mm

Art. No.

BO 5104218	"KNIPEX" Pincers
------------	------------------

▶ "KNIPEX" Tower Pincers



Painted black · ground head · withstands extreme loads · precision made · long service life · high leverage means less pressure required · Made in Germany

i Length 220 mm

Art. No.

BO 5104322	"KNIPEX" Tower Pincers
------------	------------------------

▶ "KNIPEX" Side Pincers



Swedish design · induction-hardened precision cutting edges · PVC coated handles · polished head · Made in Germany

i Length 160 mm

Art. No.

BO 5104416	"KNIPEX" Side Pincers
------------	-----------------------

▶ Clamp



With riveted fibre insert to secure straight edges or as assembly aid for insulated glass

i Length 150 mm

Art. No.

BO 5000103	Clamp
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Knives and Spare Blades

▶ Snap-Off Knife Premium Olfa

Original Olfa quality knife · stainless steel blade guide · supplied with 3 Olfa blades



i Width 18 mm

Art. No.	Description · Blade width · blade stop
BO 5141300	Snap-off knife · 18 mm · Blade stop via slide latch
BO 5141301	Olfa snap-off blade · 18 mm · 10 items
BO 3002018	Snap-off blades · 18 mm · 10 items

▶ Snap-Off Knife, Professional, with Autoload Function

Sturdy snap-off knife · automatic blade exchange · rubber handle for high slip resistance · notched feeder · integrated magazine with 3 blades · supplied with 4 blades



i Blade width 18 mm · automatic blade stop

Art. No.	Description · Blade width · blade stop
BO 3002006	Professional Snap-Off Knife with Autoload Function

▶ Snap-Off Knife Economy

With metal blade guide and blade stop · supplied with 18 mm blade



Art. No.	Description · Blade width · blade stop
BO 3002003	Snap-Off Knife · 18 mm · Blade stop via slide latch
BO 3002005	Snap-Off Knife · 18 mm · Blade stop via slide latch
BO 3002018	Snap-off blades · 18 mm · 10 items

▶ Snap-Off Knife

All-plastic with blade stop · supplied with 1 snap-off blade



Art. No.	Blade width · Description · blade stop
BO 3002000	18 mm
BO 3002001	Snap-off knife · 9 mm · Blade stop via slide latch
BO 3002018	Snap-off blades · 18 mm · 10 items
BO 3002009	Snap-off blades · 9 mm · 10 items



Knife with Trapezoidal Blades, foldaway



This trapezoidal blade knife is an indispensable tool on any construction site. Thanks to its smart folding mechanism the knife can be reduced to a small format and stored in the trouser pocket · with blade magazine

i Length when folded 100 mm



Features

- Precise blade support free of play for accurate work
- Slip resistant aluminium housing
- Smooth-running mechanism
- Ergonomic design
- Fixed trapezoidal blade made of high quality blade steel
- Quick exchange system for blades
- Integrated blade magazine with 3 spare blades

Art. No.	Description
BO 3003000	Knife with Trapezoidal Blades
BO 3003001	Spare Blades



Simplex Knife



Made of aluminium · extra sharp, pointed blade · for screw-on blades · with aluminium handle and protective cover or aluminium handle with plastic coating and protective cover

Art. No.	Handle
BO 3001900	Aluminium handle with protective cover
BO 3001901	Aluminium handle with plastic coating and protective cover
BO 3001902	Spare Blades · 100 items



Special Knife with Blade



For removing already cured adhesive residues · also ideal for separating lead profiles and for cutting resist or other films · the narrow blade allows easy access to gaps · with blade protector · For cutting films and weeding

Art. No.	Description
BO 5142000	Special Knife with Blade
BO 5142001	Spare Blades · 10 items



Knife for Sealed Units



Sickle-shaped · with inner cutting edge · brown polished wooden handle · for cutting sealed units open

i Blade length 80 mm

Art. No.

BO 5141400	Knife for Sealed Units
------------	------------------------



"Martor" Premium Glass Scraper



Metal · with blade protection · plastic handle · exchangeable blades · for loosening hardened adhesive residues from glass surfaces · also for hard-to-reach corners · Made in Germany

i Blade width 40 mm

Art. No.

Description

BO 5141000	Glass Scraper
BO 5141001	Personna Spare Blades - 100 items
BO 5141001E	Spare Blades for BO 5141000, BO 5141700 and BO 3002007 · box 10 items



Mini Glass Scraper



For easily removing excess adhesive, labels and other residues · Made of durable plastic · with exchangeable blade

i Width 40 mm

Art. No.

Description

BO 3002007	Mini Glass Scraper
BO 5141001	Personna Spare Blades - 100 items



"Martor" Glass Scraper



Made of plastic · with blade protection · exchangeable blade · Made in Germany

i Blade width 44 mm

Art. No.

Description

BO 5166000	Glass Scraper
BO 5166100	Spare Blades - 10 items



Glass Scraper



Sturdy construction and convenient handling · plastic handle · with blade protection · for removing films and adhesive residues

i Blade width 100 mm

Art. No.

Description

BO 5141100	Glass Scraper
BO 5141101	Spare Blades - 100 items



"Löwe" Premium Mitre Shears



With mitre stop for 45° cuts · for cutting sealing strips, rubber profiles and flat inserts made of wood or plastic · Made in Germany

i Finish shiny zinc-plated

Art. No.	Description
BO 5109700	Mitre shears
BO 5109701	Spare blade



Glass Scraping Blades

Corrosion protected



i Thickness 0.2 mm

Art. No.	Width · Description · Sales unit
BO 5166544	44 mm · bulk · 250 items
BO 5166560	60 mm · bulk · 250 items
BO 5166580	80 mm · bulk · 250 items
BO 5166581	100 mm · bulk · 250 items
BO 5166860	60 mm wide · with 1 case · 10 blades



Brass Blade Holder



Art. No.	Width · For
BO 5166644	44 mm · BO 5166544
BO 5166660	60 mm · BO 5166560
BO 5166680	80 mm · BO 5166580
BO 5166681	100 mm · BO 5166581



Special Blades, 43 mm

For technical purposes · 3 holes, rounded head



i Width 43 mm · Thickness 0.2 mm

Art. No.	Description · Sales unit
BO 5141002	Special Blades · 100 items



"Personna" Premium Spare Blades, 40 mm

High quality branded spare blades with reinforced back · Precision grinding for long service life · Each blade wrapped up separately in order to protect ground edges · Suitable, among others, for glass scrapers BO 51411000, BO 5141700, BO 3002007



i Width 40 mm

Art. No.	Description · Sales unit
BO 5141001	Personna Spare Blades · 100 items



Spare Blades, 44 mm

For glass scraper BO 5166000



i Width 44 mm

Art. No.	Description · Sales unit
BO 5166100	Spare Blades · 10 items



Spare Blades

For Simplex (BO 3001900) and scalpel knives (BO 3001901)



Art. No.	Description · Sales unit
BO 3001902	Spare Blades · 100 items



Trapezoidal Blades

Trapezoidal blade with 3 notches · both sides polished · for universal knife · blades for utility knife



i Length 53 mm · Thickness 0.45 mm · Height 18.9 mm · Packaging unit 10 items

Art. No.	
BO 3001004	



Spare Blade Strips

For snap-off knives



Art. No.	Description · Blade width · Sales unit
BO 3002018	Snap-off blades · 18 mm · 10 items
BO 3002009	Snap-off blades · 9 mm · 10 items

Tool Sets, Tool Bags and Small Tools

A good workman requires good tools. Bohle high quality tools help to ensure that your glazing work is successful, because professional work can only be done with professional tools.



Starter Set, Professional Quality

Complete 29-piece set of professional quality tools for apprentices

Art. No.

BO SET26



This set comprises the following items:

BO 5109803	Stanley All-Purpose Tool Bag	1 pc.
BO 5017509	KEVLAR® PowerGrab KEV4	1 pair
BO 5007509	KEVLAR® Wrist Protector Sleeve	2 pcs.
BO 5000.0	Silberschnitt® 5000 Oil Glass Cutter	1 pc.
BO 027	Silberschnitt® Cutting Fluid	1 bottle
BO 5104700	Kraftform 6-piece Screwdriver Set	1 set
BO 5165501	Glazier's Knife	1 pc.
BO 5162400	Putty Knife	1 pc.
BO 5162600	Putty Knife	1 pc.
BO 5164000	Hacking Knife	1 pc.
BO 5102300	Lead Knife	1 pc.
BO 5165200	Glazier's Spatula	1 pc.
BO 5165301	Glazing Shovel	1 pc.
BO 5164900	Glass Thickness Gauge	1 pc.
BO 3002003	Professional Snap-Off Knife, 18 mm	1 pc.
BO 5102000	Glazier's Hammer	1 pc.
BO 5102001	Glazier's Hammer	1 pc.
BO 5104030	Locksmith's Hammer	1 pc.
BO 5105118	Simplex Mallet with Two-piece Spanner Casing	1 pc.
BO 5141500	Calliper Brush	1 pc.
BO 5105113	Metal Saw	1 pc.
BO 5008120	Glass Breaking Pliers	1 pc.
BO 5104218	"KNIPEX" Pincers	1 pc.
BO 5105115	Awl with Round Blade	1 pc.
BO 5166860	Glass Scraping Blades	1 case
BO 5106308	Tape Measure	1 pc.
BO 5166301	Smoothing Spatula	1 pc.
BO 5104900	"COX" Original Skeleton Gun	1 pc.
BO 5007614	Protective Glasses	1 pc.



Tool Set

For apprentices · 14 items



Art. No.

BO 5109901

This set comprises the following items:

BO 5104700	Kraftform 6-piece Screwdriver Set	1 set
BO 5102300	Lead Knife	1 pc.
BO 5162600	Putty Knife	1 pc.
BO 5162800	Putty Knife	1 pc.
BO 5164000	Hacking Knife	1 pc.
BO 5165501	Glazier's Knife	1 pc.
BO 5165200	Glazier's Spatula	1 pc.
BO 5165000	Glazing Shovel	1 pc.
BO 5008120	Glass Breaking Pliers	1 pc.
BO 5008300	"KNIPEX" Grozing Pliers	1 pc.
BO 5102000	Glazier's Hammer	1 pc.
BO 5104030	Locksmith's Hammer	1 pc.
BO 5007700	Hand Protection Laps	1 pc.
BO 5106204	Tape Measure	1 pc.



Stanley All-Purpose Tool Bag



Made of 600 Denier nylon · with reinforced plastic floor and adjustable shoulder straps · several inner and outer pockets for larger storage capacity · flexible carrying strap and a separate document pouch in the top

i Dimensions 410 x 220 x 250 mm

Art. No.

BO 5109803

Stanley All-Purpose Tool Bag



Kraftform 6-piece Screwdriver Set



The screwdriver with the Lasertip® rounded tip for even better results · includes storage rack · suitable for slotted and PZ cross headed screws

i Contents : slotted screwdrivers 0.5 x 3.0 x 80 mm, 0.8 x 4.0 x 100 mm, 1.0 x 5.5 x 125 mm, 1.2 x 6.5 x 150 mm, cross headed screwdrivers PZ 1 x 80 mm, PZ 2 x 100 mm

Art. No.

BO 5104700

Kraftform 6-piece Screwdriver Set



Awl for Pre-Piercing Wood for Screws



With round blade · hardwood handle · impact surface

i Blade length 100 mm · Diameter 6.5 mm

Art. No.	
BO 5105115	Awl with Round Blade



Metal Saw



For renewing the slots of diamond core drills · with fixed wooden handle · round steel blade support · shiny zinc-plated · with fixed universal saw blade for smooth cutting of all common materials

i Length 290 mm · Teeth per cm: 10

Art. No.	Description
BO 5105113	Metal saw
BO 5105114	PUK universal saw blade 1 · 12 items

Point Drivers



Pointix Point Driver

The Pointix point driver is a tool that can drive triangular as well as diamond-shaped points. It is robust and easy to use. The points are simply inserted into the cartridge and secured by a tension bracket.



Art. No.	Description
BO 3700970	Pointix Point Driver



Diamond Points



i Width 11 mm · Packaging unit 2000 items

Art. No.	
BO 3700972	Diamond Points



Triangle Points



i Width 11 mm · Packaging unit 2000 items

Art. No.	
BO 3700975	Triangle Points

04 | Cleaning

Cleaning Products

Bohle offers the right cleaning products for practically every kind of soiling. For treatment of the glass afterwards, you can find a large selection of products in the "Surface Protection" chapter.



Bohle Citrus Glass Cleaner with Your Company-Branded Label



The perfect ad for your business: the Bohle glass cleaner in a customised bottle with your company-branded label!

Please note:

- Send your company logo (together with an image) in print resolution (TIFF or EPS, 300 dpi) to privatelabel@bohle.de.
- Please also include the corresponding address and text to be printed on the label, and specify your in-house font (including typeface if necessary).
- Please be aware when using an image that it will be surrounded by a 3 mm rim.
- Please be aware that the text cannot be displayed in a font size smaller than 7 pt.
- You will receive a pdf file for sign off and, upon request, the original label.

i Contents 500 ml · incl. Spray Head · Fragrance fresh citrus · Packaging unit 40 bottles · Streaking none · Consumption very economic · Cleaning power extraordinary · Feature prevents fresh smudging · Minimum order quantity 120 bottles · Label size width 65 mm, height 90 mm

Art. No.	Description
BO 5107808	Citrus Glass Cleaner with Your Company-Branded Label



Bohle Glass Cleaner with Citrus Power



The Bohle Professional Glass Cleaner with powerful citrus formula stands out due to its extremely high performance and streak-free brilliance. It is ideal for windows, mirrors, glass furniture, high gloss decoration, work surfaces, kitchen appliances and much more. Bohle Citrus Power leaves even living spaces, car windows and smooth interior car surfaces absolutely clean.

i Contents 500 ml · incl. Spray Head · Fragrance fresh citrus · Packaging unit 40 bottles · Streaking none · Consumption very economic · Cleaning power extraordinary · Feature: prevents fresh smudging

Art. No.	Description
BO 5107809	Bohle Glass Cleaner with Citrus Power



Glass Cleaner Bohle Premium



Ideal for windows, mirrors, windscreens and other glass surfaces
· prevents fresh smudging · no streaking · in spray bottles without propellants · biologically degradable · with the purchase of one carton (=12 bottles), 3 spray heads are included

Please note:
Not suitable for pre-cleaning before UV bonding!
Only for cleaning after bonding!

Art. No.	Contents
BO 5107805	Bottle 1 litre
BO 5107810	Spray Head



Bohle Premium Glass Cleaner, Container



Art. No.	Contents
BO 5107806	Container · 25 litres
BO 5107807	Container · 12 litres
BO 5107803	Drain cock for BO 5107806
BO 5107804	Drain cock for BO 5107807



Bohle Special Cleaner



Ideal for preliminary cleaning prior to glass bonding or sealing. The Bohle Special Cleaner cleans and degreases glass, metal, ceramic and rubber. The special composition of the cleaner ensures very thorough cleaning.
· Particularly suitable for use with UV adhesives

Art. No.	Contents · incl.
BO 5107910	Atomiser, refillable 0.25 litre · Spray Head
BO 5107911	Refill · 1 litre
BO 5107912	Refill · 27 litres



Bohle Professional Glass Cleaner



Can be used for glass, smooth plastic surfaces, mirrors, car windows, tiles
· for workshop and home, showcases and display windows · sparkling surfaces without streaking · environmentally sound propellant · Ideal for cleaning glass parts after fusing

Please note:

Not suitable for pre-cleaning before UV bonding!

Only for cleaning after bonding!

For quantities of 600 +/- 10%, available with your own label!

Art. No.	Description
BO 5107900	Spray can of 660 ml
BO 6023107	Bohle Trigger Spray Glass Cleaner · 750 ml · This product is only available from Bohle Ltd. in Great Britain



Polishing Gel containing Cerium



Cero-Gel is a high quality polishing agent based on cerium oxide. It excels due to the amount of dirt and grime it removes and the high brilliance of polished surfaces. Cero-Gel was especially developed for the window and glass industry. Hairline scratches, the first signs of glass corrosion or stains caused by cement, concrete or silicone can be easily removed in this way. Cero-Gel can be applied using the Bohle felt polishing wheel BO 5007901 together with a cordless drilling machine or, for larger surfaces, the Flex glass polisher BO 5300809 together with felt disc BO 5300811. For final polishing, we recommend Radora Brilliant BO 5008003 or simply clean with water.

Benefits:

- Handy aerosol can
- Simple application and immediately ready to use
- Polishing gel
- No dripping, even on vertical surfaces
- Can be applied in any position - 360°

Target groups and applications:

- Glaziers from trade and industry
- Window manufacturers
- Facade cleaners
- Surface polish for glass, stone, ceramic and natural stone
- Solar glass cleaners
- Hairline scratch polish

i Please note: The optimum polishing temperature of the glass surface lies between + 50° and + 60° C. In order to avoid partial overheating or even breaking of glass, the corresponding area should be cooled with clear tap water, e.g. from a spray bottle, during polishing.

Art. No.

BO 5008004



Paper Towels, Economy, 2-ply, 420 sheets

Paper towels · white · 2-ply · suitable dispenser BO 5141616



i Quantity 420 sheets, 22 x 38 cm each (width x length)

Art. No.	Description
BO 5141617	Paper towels



Paper Towels, Economy, 2-ply, 1000 sheets

1000 sheets · 2-ply · recycled tissue · sheet 24 x 38 cm (WxL) · 2 x 18 g/m²



i Packaging unit 2 items

Art. No.	Colour
BO 5141621	blue
BO 5141620	white



Paper Towels, Premium, 4-ply, 1000 sheets

Paper towels · 4-ply · white · suitable dispenser BO 5141616



i Weight 4 x 17 g/m² · Quantity 1000 sheets, 38 x 38 cm (width x length)

Art. No.	Description
BO 5141625	Paper towels



Paper Towel Dispenser

Paper towel dispenser, floor model for jumbo rolls · paper towels and bin liners are not included



Art. No.	Description
BO 5141616	Paper Towel Dispenser



Microfibre Cloths, Economy

For streak-free cleaning of all smooth and porous surfaces, even without using chemical agents · washable up to 90°C



i Size 40 x 38 cm · Weight approx. 100 g/m² · Material fleece · Packaging unit 10 items

Art. No.	Colour
BO 5141640	blue



Microfibre Cloths, Premium

Industrial quality microfibre cloths for drying and polishing treated or untreated glass surfaces.



Art. No.	Contents
BC 5056000	10 items



Special UV Wiping Cloths



Textile-like polishing and wiping cloths · 70% viscose, 30% polyester · for removing liquid and solid materials from scratch-sensitive surfaces · dispenser box of 275 cloths · especially suitable for removing adhesive residues after pre-curing

i Weight 50 g/m² · Cloth size 40 x 38 cm · Colour white

Art. No.	Description
BO 5141630	Special UV Wiping Cloth



Window Washer with Fleece

Window washer with lint-free, easy-to-exchange fleece cover for general cleaning of glass surfaces.



Art. No.	Width · Description
BO 5553200	35 cm
BO 5553300	45 cm
BO 5553400	Fleece cover · 35 cm
BO 5553500	Fleece cover · 45 cm



Window Washer

Made of rustproof steel



Art. No.	Description · Width
BO 5551200	Window Wiper Handle
BO 5551225	Rail with Rubber Strip · 25 cm
BO 5551300	Rail with Rubber Strip · 35 cm
BO 5551400	Rail with Rubber Strip · 45 cm



Window Washer, Economy

Ideal as low-cost give-away for your customers! · Plastic wiper for shower cubicles with soft rubber lip for streak free cleaning of glass surfaces. Includes hook.



i Width 23 cm · Sales unit 25 items

Art. No.
BO 5107811



Steel Wool

Top quality · long-fibred · tough · good grip · excellent polishing and grinding ability · highly elastic and uniform · easily divisible strands



Art. No.	Description · fineness
BO 5141634	Cardboard roll of 100 g · 0
BO 5141635	Cardboard roll of 200 g · 0
BO 5141605	Cardboard roll of 100 g · 00
BO 5141601	Cardboard roll of 200 g · 00
BO 5141631	Cardboard roll of 100 g · 000
BO 5141632	Cardboard roll of 200 g · 000
BO 5141636	Spool of 5 kg · 0
BO 5141602	Spool of 5 kg · 00
BO 5141633	Spool of 5 kg · 000
BO 5141637	Spool of 5 kg · 0000



Calliper Brush



Fine, light-coloured bristles · red cord fixing · Made in Germany

i Diameter 42 mm · Bristle length approx. 60 mm

Art. No.

BO 5141500

Calliper Brush



Dust Brush



Fine, light-coloured bristles · 1 row · for preliminary cleaning before sandblasting

i Bristle length approx. 55 mm · Size 170 x 23 mm

Art. No.

BO 5141600

Dust Brush



Fluppi Chip Brush



Glass splinters and other contamination on the cutting table carry the risk not only of scratching the next glass pane, but also of causing injuries.

Fluppi chip brush is the world's smallest vacuum cleaner and operates without electricity. Simply move the roller brush along the table surface and the splinters are collected in a plastic container. The chip brush works according to the same principle as a large carpet roller brush. After use it can be disassembled quickly and easily for emptying the container. The chip brush is an indispensable helper for an optimum work space - also suitable for cleaning crumbs and for use on carpets, car mats and much more.

Art. No.

TG 070

Chip Brush

05 | Protection Films

Emergency Repair Film

▶ Bohle Emergency Repair Film

The Bohle Emergency Repair Film was specially developed to provide a fast a cost effective repair to broken window glass, doors, partition glass and mirrors. It uses a semi-rigid extremely tough polyester film combined with a high-performance solvent-free acrylic adhesive that will bond to the glass permanently and give 85% light transmission. The adhesive side is lined with glassine coated paper having a printed grid pattern on the outer side to help cut the film to size.

i Roll length 15 m · Film thickness 175 µm



▼ Features

- Can be applied in a few seconds without the need for tools
- very safe, no risk from broken glass
- no harm to visual appearance of the building; no loss of daylight
- has one third of the tensile strength of steel for special safety
- silent, no noisy sawing and hammering, e.g. when boarding up a broken window
- no glass cutting on site required, e.g. in case of emergency glazing with float glass
- almost invisible - does not invite thieves
- completely resistant to external weather conditions
- ideal for use with PVC frames and double glazing

Art. No.	Roll width
BO 6002570	500 mm
BO 6002571	1000 mm

Protection Films

All films are coated with an absolutely transparent adhesive which ensures a long-lasting and bubble-free bond of the film with the glass. The film is easily attached to the glass from the inside and does not disturb working processes. All the films are granted a full 2-year warranty (except for BO 5105145/46) against cracking, yellowing and delaminating.

Self-Adhesive Protective Film, blue



Optimal surface protection when painting, plastering or working on facades · ideal for safe, quick covering of sensitive surfaces (glass, ceramic, wood, PVC and stainless steel) · resistant to water, chemical agents and physical damage

i Roll length 100 m

Art. No.	Width · Length
BO 5105145	50 cm · 100 m
BO 5105146	100 cm · 100 m

Splinter Protection Film, clear



Effective glazing protection · increases resistance of normal glass against impacts and pressure · polyester film reduces injuries and damage caused by glass fragments · absorbs up to 98% of UV radiation

i Width 1.52 m · Film thickness 120 µm

Art. No.	Roll length
BO 5105143	10 m
BO 5105153	30.5 m

View-Blocking Film, white opaque



Can be retrofitted to normal glass at low cost, providing the same advantages as special frosted glass · the tough film provides better resistance against impacts · absorbs up to 96% of UV radiation

i Width 1.52 m · Roll length 10 m · Film thickness 65 µm

Art. No.	
BO 5105144	View-Blocking Film, white opaque

Reflecting Film, silver, medium



Reduces solar energy by up to 70 % · absorbs up to 98 % of UV radiation and thus prevents fading of wallpaper, furniture and textiles

i Width 1.52 m · Roll length 10 m · Film thickness 50 µm

Art. No.	
BO 5105141	Reflecting Film, silver, medium



Reflecting Film, silver, dark



Reduces solar energy by up to 79 % · absorbs up to 98 % of UV radiation and thus prevents fading of wallpaper, furniture and textiles

i Width 1.52 m · Roll length 10 m · Film thickness 50 µm

Art. No.

BO 5105142 Reflecting Film, silver, dark



Film in Sandblast Look

High quality film in sandblast look

i Roll width 1.52 m



Features

- Ideal for retrofitting, suitable as visual protection or design element
- For entire or partial application on glass surfaces
- Film cutouts can be used as decorative or design elements
- Once applied on a glass pane, it can hardly be distinguished from a satin finished / sandblasted glass surface.
- In case of damage, the film can be quickly removed and renewed.
- Low-maintenance
- Simple application

Art. No.	Width · Length
BO 5105148	1.52 m · 10 m
BO 5105149	1.52 m · 25 m



Film in Etched Look

High quality film in etched look

 Roll width 1.22 m



Features

- Ideal for retrofitting, suitable as visual protection or design element
- For entire or partial application on glass surfaces
- Film cutouts can be used as decorative or design elements
- Once applied on a glass pane, it can hardly be distinguished from a satin finished / sandblasted glass surface.
- In case of damage, the film can be quickly removed and renewed.
- Low-maintenance
- Simple application

Art. No.	Width · Length
BO 5105138	1.22 m · 10 m
BO 5105139	1.22 m · 25 m

06 | Skeleton Guns and Sealant Dispensers

Skeleton Guns and Sealant Dispensers

Our wide range of products provides you with the right tool for every sealing job - ranging from manual to pneumatic sealant dispenser guns.

▶ "COX" Original Skeleton Gun

With automatic sealant stop



i For cartridges 310 ml

Art. No.	Description
BO 5104900	"COX" Original Skeleton Gun

▶ "COX" Original Skeleton Gun · half shell

Rotatable semi-shell · solid mechanism with patented anti-clamping device



i For cartridges 310 ml

Art. No.	Description
BO 5104902	"COX" Original Skeleton Gun

▶ Skeleton Gun H40

Professional version · easy action and long service life · steel cartridge holder with nylon coating · automatic sealant stop



i For cartridges 310 ml

Art. No.	Description
BO 5105040	Skeleton Gun H40

▶ Skeleton Gun H14

With fibreglass body · steel cartridge holder with nylon coating · easy action and long service life · automatic sealant stop



i For cartridges 310 ml

Art. No.	Description
BO 5105014	Skeleton Gun H14



Pneumatic Sealant Dispenser Gun

With reduction valve · closed version · steady forward feed



i Length aluminium barrel 215 mm · Diameter barrel 50 mm · For cartridges 310 ml

Art. No.	Description
BO 5104930	Pneumatic Sealant Dispenser Gun
BO 5104933	Union Nut



Pneumatic Sealant Dispenser Gun

With reduction valve · closed version · with plastic nozzle, nozzle holder and adaptor · steady forward feed



i Length aluminium barrel 465 mm · Diameter barrel 50 mm · For foil cartridges 600 ml

Art. No.	Description
BO 5104932	Pneumatic Sealant Dispenser Gun
BO 5104933	Union Nut



Sealant Dispenser Gun

Closed version · steady forward feed



i Length aluminium barrel 215 mm · Diameter barrel 50 mm · For cartridges 310 ml

Art. No.	Description
BO 5104905	Sealant Dispenser Gun
BO 5104933	Union Nut



Sealant Dispenser Gun

Closed version · with nozzle, nozzle holder and adaptor · steady forward feed



i Length aluminium barrel 405 mm · Diameter barrel 50 mm · For foil cartridges 600 ml

Art. No.	Description
BO 5104908	Sealant Dispenser Gun
BO 5104909	Plastic adaptor for foil cartridges
BO 5104933	Union Nut



Nozzle Holder

Fits in manual and pneumatic sealant dispenser guns



i Material Plastic

Art. No.	Description
BO 5104914	Nozzle Holder



Special Nozzle

Fits in manual and pneumatic sealant dispenser guns for foil cartridges

i Material Plastic · Packaging unit 10 items



Art. No.	
BO 5104913	Special Nozzle



Adaptor for Plastic Nozzles

The adaptor can be used in foil cartridge sealant guns to enable the use of normal cartridge nozzles

i Material Plastic



Art. No.	
BO 5104920	Adaptor for Plastic Nozzles



Nozzles

Round

i For Nozzle Holder BO 5104914 · Material Plastic · Packaging unit 10 items



Art. No.	Colour · Diameter · Description
BO 5104915	white · 6 mm
BO 5104916	blue · 9 mm
BO 5104917	red · 13 mm
BO 5104918	grey · for shear-off
BO 5104919	black · hose connection



Cartridge Knife

For opening cartridges · cuts plastic nozzles without burring



Art. No.	Description
BO 5166400	Cartridge Knife

Smoothing Spatula



Vulkollan® Smoothing Spatula



For smoothing sealed surfaces

i Length 90 mm · Width 90 mm · Thickness 5 mm · Material Vulkollan®

Art. No.	Description
BO 5166301	Smoothing Spatula



Smoothing Spatula, Non-Adhesive, Special Plastic



Number 568

i Length 85 mm · Width 80 mm · Thickness 7 mm · Material Non-Adhesive Special Plastic

Art. No.	Description
BO 5166303	Smoothing Spatula

07 | Corner Protectors

Gloves

Your health and safety are at stake. That is why Bohle's range of protective wear has been carefully selected. Obtain excellent quality at very good prices.

▶ PowerGrab KEVLAR® KEV Thermo



Long lasting gloves for cold weather are now also available from the proven PowerGrab® series. 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



▼ Features

Extra Warmth

Napped Acrylic liner makes it possible to work under cold conditions.

Material Composition

Proteins, chemical substances, and odour are leached from PowerGrab® series to minimise allergic reaction.

Safety

Extra coating of thumb area assures the most important aspect, safety.

Grip Performance

Revolutionary MicroFinish® coating promises outstanding wet and dry handling.

Comfort

A 10-gauge seamless liner and ergonomic design assure a maximum comfort and minimum hand fatigue.

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



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)



PowerGrab Plus Work Gloves



Seamless cotton/polyester fabric · palm and fingertips with MicroFinish® latex coating to provide optimum grip · good protection against mechanical risks · for universal use · breathable material on back of hand · tested per DIN EN 388 CAT II

i Cut resistance level: 2

Art. No.	Size
BO 5017520	11 / XXL
BO 5017521	10 / XL
BO 5017522	9 / L
BO 5017523	8 / M



PowerGrab Work Gloves



Seamless cotton/polyester fabric · palm and fingertips with blue latex coating · good protection against mechanical risks · for universal use · tested per DIN EN 388 CAT II

i Cut resistance level: 1

Art. No.	Size
BO 5017516	11 / XXL
BO 5017517	10 / XL
BO 5017518	9 / L
BO 5017519	8 / M



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)



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 Gloves



Wrist Protector Sleeves, KEVLAR®



KEVLAR® wrist protector sleeves made of knitted KEVLAR® 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 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



Hand Protection Laps

Made of natural rubber · napped on one side · for carrying glass safely and securely



Art. No.	Length · Width · Thickness · Description
BO 5007700	170 mm · 130 mm · 2 mm · with thumb hole
BO 5007702	220 mm · 150 mm · 2 mm · with slit
BO 5007703	1400 mm · 130 mm · 2 mm



Dermatril Disposable Gloves

Offering greater mechanical resistance than conventional disposable latex gloves · dispensing box



i Chemical protection class cat. III · Performance level according to EN 374 with AQL 0.65 3

Art. No.	Size · Contents
BO 5007516	11 · 100 items
BO 5007510	10 · 100 items
BO 5007519	9 · 100 items
BO 5007520	8 · 100 items



Disposable Gloves, Latex

Protect against possible skin irritations or allergic reactions when using various chemicals



Art. No.	Size · Contents
BC 5050300	L (8-9) · 100 items



Cotton Gloves

Natural white · with fold-over thumb · suitable for either hand · few seams



Art. No.	Size
BO 3400000	One size

Work Aprons

▶ 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



Work Apron



One side PVC coated · resistant to oil, acid and chemicals · with eyes and straps

i Length 120 cm · Width 80 cm

Art. No.

BO 5007604

Work Apron



Glazier's Apron



Green · two small pockets for glass cutters and two side pockets · one size

Art. No.

BO 5007605

Glazier's Apron

Other Protective Equipment



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



Protective Glasses Premium

UV protective glasses according to EN 170 · grey viewing glasses, scratch-resistant and anti-fog (special anti-fog coating) · adjustable arms · supplied with holding strap



Art. No.	Description
BO 5007613	Protective Glasses



Ear Protectors

For occasional noise without extreme peaks · adjustable ear pads



i Insulation values 26 dB SNR according to EN 352-1 H: 34, M: 23, L: 14

Art. No.	Description
BO 5007609	Ear Protectors



Respiratory Protector

Filtering mask · pre-shaped · with exhalation valve



i Protection level FFP3 according to EN 149 : 2001+A1 : 2009

Art. No.	Description
HW 7072	Respiratory Protector



Protective Ear Plugs Original 3M

With CE identification (EN 352-2) · extra soft · can reduce the noise level by up to 41 dB (at 4,000 Hz) · the special composition of the material allows the ear plugs to fit the shape of the ear canal



i SNR value 28 dB

Art. No.	Description
BO 5007611	Protective Ear Plugs

08 | Automotive Glazing

Automotive Glazing

▶ Clamp-On Profile



Illustration shows glass panel to be inserted on top (A) and body panel to be inserted at the bottom (B) · indicated bend radii (r) are minimum values · table: all measurements in mm

i Colour black · Material black rubber

Art. No.	A · B · C · D · E · F · r · Packaging unit
BO 5210101	5 · 3 · 7.5 · 18 · 7.5 · 8.0 · 90 mm · 20 m
BO 5210102	8 · 4 · 8.5 · 25 · 12.5 · 10.0 · 100 mm · 15 m
BO 5210106	6 · 3 · 7.5 · 19.5 · 12.5 · 9.5 · 100 mm · 15 m
BO 5210108	4 · 3 · 7.0 · 16 · 7.0 · 7.0 · 80 mm · 20 m
BO 5210109	6 · 4 · 7.5 · 19 · 12.5 · 9.5 · 100 mm · 15 m

Practical tip: Locking strips and weatherstrips are more easily installed when using LOBOSIL lubricant BO 3000499.

▶ Locking Strip



i Width 7.5 mm · Height 9.5 mm · Material black rubber

Art. No.	Sales unit
BO 5210220	25 m
BO 5210200	15 m

▶ "Löwe" Premium Mitre Shears



With mitre stop for 45° cuts · for cutting sealing strips, rubber profiles and flat inserts made of wood or plastic · Made in Germany

i Finish shiny zinc-plated

Art. No.	Description
BO 5109700	Mitre shears
BO 5109701	Spare blade



Tool Kit for Mounting Windscreens

In plastic pouch · includes one each of: lipping-out tool, filler tool with replaceable eyes, Allen key, instruction manual for weatherstrip installation



Art. No.	Description · Included in delivery
BO 5312700	Tool Kit
BO 5312901	Guide Loops for Locking Strips · 2 items



Filler Tool

For weatherstrip with replaceable guide loops (8 mm) · with Allen key



Art. No.	
BO 5312800	Filler Tool



Lipping-Out Tool

For mounting windscreens into weatherstrip



Art. No.	
BO 5313000	Lipping-Out Tool



LOBOSIL Silicone Lubricant

CFC-free lubricating agent · ideal for working with automotive weatherstrips and locking strips



Art. No.	Contents
BO 3000499	400 ml

09 | Lead Glazing

Soldering

The following pages contain an overview of our soldering products.

▶ Oleic Acid



Ideal for soldering lead glazing

Art. No.

BO 5310800

▶ Ammoniac Block



For cleaning copper soldering tips · in plastic box

i Size 100 x 45 x 20 mm

Art. No.

BO 5311200

▶ Electronic Soldering Iron

For lead glazing · with shock resistant, cast heating element · removable, double-sided copper tip



i Output 110 W · Diameter 9.5 mm

Art. No.	Description · Diameter
BO 5310400	Soldering iron
BO 5310401	Spare tip · 9.5 mm

▶ Electronic Soldering Iron

For lead glazing · with shock resistant, cast heating element · removable, double-sided copper tip



i Output 180 W · Diameter 15 mm

Art. No.	Description · Diameter
BO 5310500	Soldering iron
BO 5310501	Spare tip · 15 mm



Energy Regulator with Soldering Iron Stand



Regulates the soldering iron from 0 to 100 % of its capacity

i Load capacity up to 350 W

Art. No.

BO 5311300

Tools for Lead Glazing



Pattern Shears



For cutting patterns for lead or Tiffany glazing

Art. No.	Description
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BO 5367600	Core 1.50 mm
------------	--------------

BO 5367400	Core 1.75 mm
------------	--------------



Lead Hammer



With polished head and ash wood handle

i Weight 100 g

Art. No.

BO 5310300



Lead Nails



i Length 36 mm · Material made of hardened and polished steel

Art. No.	Packaging unit
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BO 5310230	100 items
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Lead Reamer and Burnisher



The flat end is used to press the ends of the came together after joining

i For lead thickness 4 - 6 mm

Art. No.

BO 5310101



Lead Vice



Top quality

i Material Aluminium

Art. No.

TG 2550

Surface Protection

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BriteGuard® – Smart Surface Protection

BriteGuard® is a registered brand of Bohle AG. For almost 90 years we have been developing, producing and selling products for glass processing and finishing. No matter what you plan to do with glass, our full product range offers you the suitable products and applications— including surface protection. With BriteGuard® Bohle has developed a surface protection system that is setting new standards.

What is BriteGuard® for smooth surfaces?

BriteGuard® is a high quality, easy-to-use surface protection system for glass and glazed ceramic surfaces – with extraordinary properties:



TÜV-tested

During complex tests, a 10-year service life was simulated, which did not affect the efficiency of BriteGuard® Surface Sealer. Those tests have proven that surfaces coated with BriteGuard® Surface Sealer remain dirt-repellent, easy-to-clean and protected against corrosion even after many years of undiminished efficiency.



Excellent Efficiency

BriteGuard® Surface Sealer reacts chemically with glass and glazed ceramics to form a high strength functional layer that protects against dirt adhesion and glass corrosion.



Exceptional Resistance

BriteGuard® Surface Sealer can withstand mechanical wear as well as chemicals, heat, UV radiation and is significantly more resistant to such elements than some other surface protection products.



Clearly Structured Modular System - Simple and Effective

As well as the surface protection products, the modular system also includes a pre- and a final cleaner.



Easy Application without Investment

BriteGuard® Surface Sealer can be applied as you choose. Whether with a cotton pad, spray bottle or applicator, whether by hand or machine: BriteGuard® protection is achieved in 3 easy steps without the necessity of expensive equipment.



Balustrades



Facades



Architecture

What is BriteGuard® for rough surfaces?

BriteGuard® Surface Sealer X is a high quality, easy-to-use surface protection system for etched and sandblasted glass surfaces – with extraordinary properties:



Only One Product Required

You do not need any further pre- and final cleaners or additional products.



Easy and Quick Application

BriteGuard® Surface Sealer X can be applied as you choose. Whether with a cotton pad, spray bottle or applicator, whether by hand or machine: BriteGuard® protection is achieved in no time.



Excellent Efficiency

Due to a chemical reaction with the glass, BriteGuard® Surface Sealer X forms a functional layer with sandblasted or etched glass which reduces dirt adhesion and undesirable finger prints and considerably facilitates cleaning the glass.



Durability

BriteGuard® Surface Sealer X excels due to its outstanding resistance against mechanical wear, heat, UV radiation and many more.

www.BriteGuard.com



Furniture Doors



Sliding Doors



Glass Doors

01 | BriteGuard®

Coating Rough Surfaces

The product can be applied either manually or with a sprayer which is suitable for highly flammable liquids. For manual coating you can use cotton pads or similar. Always apply the coating crosswise to make sure that sufficient material has been applied everywhere. Pay special attention to areas near the edges and around drill holes or cut-outs.

Application

1 Pre-cleaning

2 Coating

3 Final cleaning

Surface visually clean
and dust free



BriteGuard® Surface SEALER X



Surface SEALER X was specially developed for rough surfaces. This can be glass that is satin finished or sandblasted.
· Together with the 0.5 litre bottle, spray head BO 5107810 is included in the delivery · Please note: 5 l containers can only be shipped outside Germany via a forwarding agent.

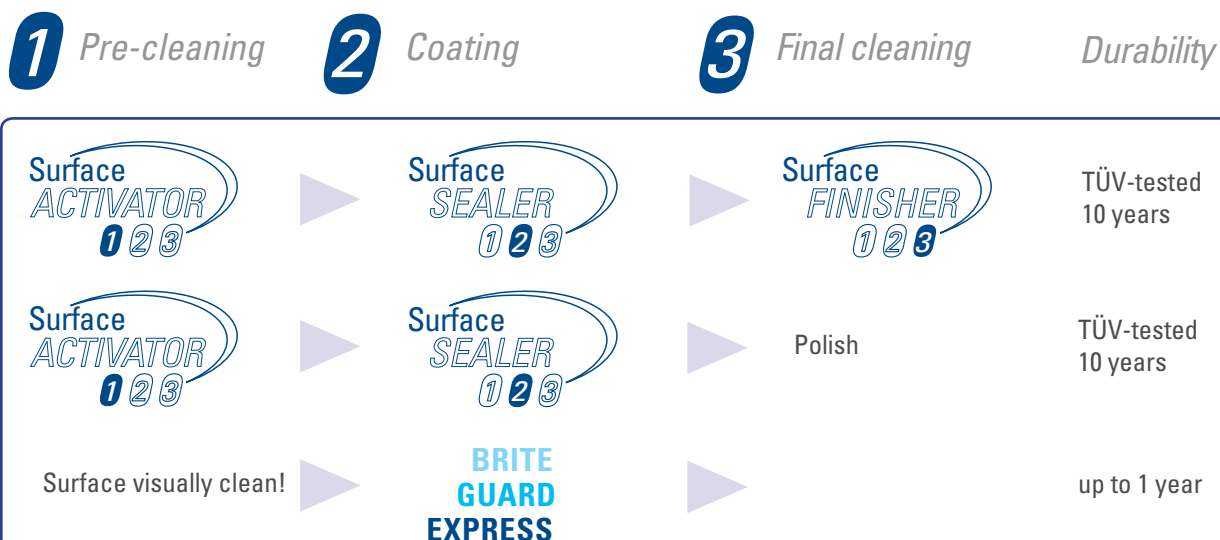
i Please note: The material is only suitable to a limited extent for exterior applications. If you have questions, please contact our application technicians.

Art. No.	Contents
BO 5820500	0.5 litre
BO 5825000	5 litres

Coating Smooth Surfaces

The product can be applied either manually or with a sprayer which is suitable for highly flammable liquids. For manual coating you can use cotton pads or similar. Always apply the coating crosswise to make sure that sufficient material has been applied everywhere. Pay special attention to areas near the edges and around drill holes or cutouts. BriteGuard® Surface SEALER has a short reaction time of just 30 minutes at a room temperature of approx. 20°C. If necessary, to better suit production rates, the reaction time can be influenced by changing the temperature.

Application



▶ BriteGuard® Surface ACTIVATOR



For pre-cleaning smooth glass/glazed ceramic surfaces before applying Surface SEALER.

Art. No.	Contents
BO 5831000	1 litre
BO 5835000	5 litres

▶ BriteGuard® Surface SEALER



Surface SEALER is suitable for all smooth glass or glazed ceramic surfaces. It makes no difference whether the coated material will be used indoors or outdoors or whether you want to protect showers, partitions, conservatories, facades or glass furniture. Together with the 0.5 litre bottle, spray head BO 5107810 is included in the delivery. Please note: 5 l containers can only be shipped outside Germany via a forwarding agent.

Art. No.	Contents
BO 5810500	0.5 litre
BO 5815000	5 litres



BriteGuard® Surface FINISHER



For easy removal of excess material after applying Surface SEALER · Please note: 5 l containers can only be shipped outside Germany via a forwarding agent.

Art. No.	Contents
BO 5841000	1 litre
BO 5845000	5 litres



BriteGuard® Express



Protect your showers quickly and easily before mounting with BriteGuard® Express. The coated glass surface is protected immediately and can be cleaned easily. In this way your customer will enjoy a high quality shower for a long time. Its use is as easy as can be. The special liquid is simply applied evenly onto the clean glass surface and is wiped off again with a suitable cloth. The only thing you have to be aware of is to moisten surfaces completely and evenly. The protective effect is activated immediately. The one-step product is appropriate for interior and exterior application. It can be used as efficiently on glass showers and partitions as on conservatory roofs · Quick protection for all smooth glass surfaces · Simple application - clean the glass pane, apply BriteGuard® Express uniformly with a spray bottle and polish. · The surface becomes hydrophobic immediately (water drips off) · The glass remains protected & easy to clean for several months · Can be reapplied at any time · For professional requirements and for use at home · 500 ml bottle with spray head

Art. No.	Contents
BO 5850010	Sample bottle 0.1 litre
BO 5850050	0.5 litre
BO 5850000	5 litres

Limescale Removal Products

▶ BriteGuard® Limescale Remover



Limescale remover for professional use or standard use at home · Can be reapplied at any time · 500 ml bottle with spray head · Spray BriteGuard® Limescale Remover onto the surface and allow a moment for it to take effect before removing with a clean cloth · Suitable for pre-cleaning before using BriteGuard® Express

Art. No.	Contents
BO 5880100	0.1 litre
BO 5880500	0.5 litre
BO 5885000	5 litres

▶ BriteGuard® Limescale Remover Concentrate



BriteGuard® Limescale Remover Concentrate is a highly concentrated acid cleaner for removing strong inorganic and mineral contamination. It can be used as basic and maintenance cleaner on all acid-proof materials. Do not use Limescale Remover Concentrate on limestones (e.g. marble). The appropriate concentration of the cleaner depends on the degree of contamination. It can be used for basic cleaning either undiluted or in a mixing ratio of up to 1:10 or for maintenance cleaning in a ratio of 1:20 - 1:50. Apply the cleaner onto the contaminated surface and work it with a brush, swab or a cleaning pad, if necessary. Afterwards thoroughly rinse the surface with clear water.

Art. No.	Contents
BO 5870500	0.5 litre
BO 5875000	5 litres

Products for Care and Maintenance

We recommend Bohle Premium Glass Cleaner for routine cleaning. If the coating has been damaged due to improper use at the end customer's site, it can be refreshed quickly and easily with our BriteGuard® REFRESHER Set for smooth glass and our BriteGuard® REFRESHER X Set for sandblasted glass.

1 Cleaning

2 Refreshing

0 Care

Smooth



Rough



Bohle Premium
Glass Cleaner
BO 5107805

▶ Seal REFRESHER Set



Seal CLEANER optimally prepares surfaces for treatment with Seal REFRESHER · Seal REFRESHER is used to refresh the functional layer of smooth surfaces when its effectiveness diminishes (for example when it has been handled improperly).

Included in delivery:
1x BriteGuard® Seal CLEANER, 250 ml
1x BriteGuard® Seal REFRESHER, 250 ml
1x Microfibre Cloth

Art. No.

BO 5860250

Seal REFRESHER Set

▶ Seal REFRESHER X Set



Seal CLEANER optimally prepares surfaces for treatment with Seal REFRESHER X · Seal REFRESHER X is suitable for refreshing the functional layer of rough surfaces.

Included in delivery:
1x BriteGuard® Seal CLEANER, 250 ml
1x BriteGuard® Seal REFRESHER X, 250 ml
1x Microfibre Cloth

Art. No.

BO 5860251

Seal REFRESHER X Set

02 | Accessories

▶ Spray Gun with Gravity Feed Cup



High quality starter model · Nozzle and needle made of stainless steel · Robust gun body made of extruded aluminium · Adjustable spray jet, material and air flow · For use with conventional compressed air lines · Complies with all relevant safety regulations · Practical and economical to use · Especially suitable for coating small batch runs · The gravity feed cup is ideally suited for use with BriteGuard® bottles (contents 500 ml)

Art. No.

BO 5870001

▶ Spray Device with Pressure Tank



High quality compressed air sprayer · Nozzle and needle made of stainless steel · Robust gun body made of extruded aluminium · Adjustable spray jet, material and air flow · For use with conventional compressed air lines · Complies with all relevant safety regulations · Practical and economical to use · Ideally suited for daily use (contents 5 l)

Art. No.

BO 5870000

▶ Special Cleaning Cloth



Made of cotton · for drying glass surfaces

Art. No.

BC 5052300 Special Cleaning Cloth

▶ Window Washer with Fleece

Window washer with lint-free, easy-to-exchange fleece cover for general cleaning of glass surfaces.



Art. No. Width · Description

BO 5553200	35 cm
BO 5553300	45 cm
BO 5553400	Fleece cover · 35 cm
BO 5553500	Fleece cover · 45 cm

▶ Window Washer

Made of rustproof steel



Art. No. Description · Width

BO 5551200	Window Wiper Handle
BO 5551225	Rail with Rubber Strip · 25 cm
BO 5551300	Rail with Rubber Strip · 35 cm
BO 5551400	Rail with Rubber Strip · 45 cm



Premium Microfibre Cloths

Industrial quality microfibre cloths for drying and polishing treated or untreated glass surfaces.



Art. No.	Contents
BC 5056000	10 items



Economy Protective Glasses

Panorama glasses · non-slip plastic sport arm, length and slant adjustable · with anti-fogging 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



Half-mask Sekur

Without filter EN 140 · connection according to EN148 · Please order gas filter BO 5870003 separately.



Art. No.
BO 5870002



Gas Filter

For half mask BO 5870002



i Version *A2* according to EN141

Art. No.
BO 5870003



Cotton Pads

Pure cotton pads



Art. No.	Length · Width · Contents
BO 5052065	8 cm · 10 cm · 20 items

▶ Pad Holder and Pads

To prevent the products from becoming mixed, please use a separate pad for each product.



Art. No.	Description · Colour
BC 5058300	Pad Holder small · grey
BC 5058310	Pad holder large · blue
BC 5058400	Pad small
BC 5058450	Pad large

▶ Dermatril Disposable Gloves

Offering greater mechanical resistance than conventional Latex disposable gloves · dispensing box



❗ Chemical protection class cat. III · Performance level according to EN 374 with AQL 0.65 3

Art. No.	Size · Contents
BO 5007516	11 · 100 items
BO 5007510	10 · 100 items
BO 5007519	9 · 100 items
BO 5007520	8 · 100 items

▶ Economy Microfibre Cloths

For streak-free cleaning of all smooth and porous surfaces, even without using chemical agents · washable up to 90°C



❗ Size 40 x 38 cm · Weight approx. 100 g/m² · Material fleece · Packaging unit 10 items

Art. No.	Colour
BO 5141640	blue

▶ Sponge

Soft sponge for cleaning glass surfaces



Art. No.	
BC 5058000	Sponge

▶ Disposable Gloves, Latex

Protect against possible skin irritations or allergic reactions when using various chemicals



Art. No.	Size · Contents
BC 5050300	L (8-9) · 100 items



Bucket



Differently coloured water buckets, whose rectangular shape makes them especially suitable for window washers up to 45 cm wide.

i Size 50 cm · Shape rectangular

Art. No.	Colour
BC 5057000	blue
BC 5057100	red
BC 5057200	green



Chrome-plated Steel Sieve for Bucket



This chrome sieve serves as a storage tray for your window washer and squeegee and can be hung in suitable rectangular buckets.

Art. No.	
BC 5057500	Chrome-plated Steel Sieve for Bucket



Spray Head for Glass Cleaner

For BO 5107805 + BO 5107910



Art. No.	Description
BO 5107810	Spray Head



Empty Bottle



Empty bottle for universal use, e.g. for applying coating products using spray gun BO 5107810

Art. No.	Contents
BO 5810502	500 ml
BO 5810503	1000 ml



BriteGuard® Sticker

For labelling glass coated with BriteGuard®



i Size 30 x 15 mm · Packaging unit roll of 100

Art. No.	
BO 5830010	BriteGuard® Sticker

Flyers for End User Customers

The BriteGuard® information flyers are ideal for making BriteGuard® products known among your customers. The flyers are printed on both sides and a blank field leaves space for your company logo. If you need further information, do not hesitate to contact us.



Glass Bonding

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VERIFIX

Glass Bonding

Glass bonding technology has developed in recent years to become an integral, state of the art form of technology in the glass processing industry. As a result, demands from both the glass processing industry and the individual glaziers' shops are constantly increasing. Bohle offers everything you need for the perfect

bond. Apart from its long-standing experience of 25 years in glass bonding, the company also falls back on one of the world's largest product ranges, with all the technology you need, bringing obvious advantages for your business: for example, multiple design possibilities, short processing times and low equipment expenses.

Open up new fields of business and broaden your offers.

You will find more products and further information at www.bohle-group.com.



01 | Cleaning

Pre-cleaning - A Must for Optimum Bonds

Perfect bonds can only be achieved if the bonding surface is totally clean. Thorough pre-cleaning of the object to be bonded is therefore of the greatest importance. All bonding surfaces must be clean, dry and grease-free. The cleaner used must not leave any residues and must not form a separating layer on the bonding surfaces.

▶ Bohle Special Cleaner



Ideal for preliminary cleaning prior to glass bonding or sealing. The Bohle Special Cleaner cleans and degreases glass, metal, ceramic and rubber. The special composition of the cleaner ensures very thorough cleaning.
· Particularly suitable for use with UV adhesives

Art. No.	Contents · incl.
BO 5107910	Atomiser, refillable 0.25 litre · Spray Head
BO 5107911	Refill 1 litre
BO 5107912	Refill 27 litres

Hot Air Fans

After bonding surfaces have been cleaned, some non-visible moisture remains that would negatively affect the strength of the bond. Possible residual moisture should be removed before applying the adhesive in order to improve the long-term stability of the bond.

▶ Hot Air Fan



Ideal for removing residual moisture prior to UV bonding

i Temperature 300°C + 500° C · Output 1500 W · Voltage 230 V

Art. No.	Description
BO 5210007	Hot Air Fan

Final Cleaning & General Cleaning Tasks

These high quality Bohle glass cleaners are ideally suited for removing coarse dirt from the glass surface, for cleaning glass on a daily basis or for final cleaning after bonding.



Bohle Premium Glass Cleaner



Ideal for windows, mirrors, windscreens and other glass surfaces
· prevents fresh smudging · no streaking · in spray bottles without propellants · biologically degradable · with the purchase of one carton (=12 bottles), 3 spray heads are included

Please note: Not suitable for pre-cleaning before UV bonding!
Only for cleaning after bonding! · improved formula with new design

Art. No.	Contents
BO 5107805	Bottle 1 litre
BO 5107807	Container 12 litres
BO 5107806	Container 25 litres



Spray Head for Glass Cleaner

For BO 5107805 + BO 5107910



Art. No.	Description
BO 5107810	Spray Head



Bohle Citrus Glass Cleaner with your company-branded label



The perfect ad for your business: the Bohle glass cleaner in a customised bottle with your company-branded label! · Please note: · Send your company logo (together with an image) in print resolution (TIFF or EPS, 300 dpi) to privatelabel@bohle.de. · Please also include the corresponding address and text to be printed on the label, and specify your in-house font (including typeface if necessary). · Please be aware when using an image that it will be surrounded by a 3 mm rim. · Please be aware that the text cannot be displayed in a font size smaller than 7 pt. · You will receive a pdf file for sign off and, upon request, the original label.

i Contents 500 ml · incl. Spray Head · Fragrance fresh citrus · Packaging unit 40 bottles · Streaking none · Consumption very economic · Cleaning power extraordinary · Feature: prevents fresh smudging · Minimum order quantity 120 bottles · Label size width 65 mm, height 90 mm

Please note: This product is not available in the UK.

Art. No.	Description
BO 5107808	Citrus Glass Cleaner with your company-branded label



Bohle Professional Glass Cleaner



Can be used for glass, smooth plastic surfaces, mirrors, car windows, tiles · for workshop and home, showcases and display windows · sparkling surfaces without streaking · environmentally sound propellant · Ideal for cleaning glass parts after fusing

Please note: Not suitable for pre-cleaning before UV bonding! Only for cleaning after bonding! · **For quantities of 600 +/- 10%, available with your own label!**

Art. No.	Description
BO 5107900	Spray can of 660 ml



Special UV Wiping Cloths



Textile-like polishing and wiping cloths · 70% viscose, 30% polyester · for removing liquid and solid materials from scratch-sensitive surfaces · dispenser box of 275 cloths · especially suitable for removing adhesive residues after pre-curing

i Weight 50 g/m² · Cloth size 40 x 38 cm · Colour white

Art. No.	Description
BO 5141630	Special UV Wiping Cloth

▶ Paper Towel Dispenser



Paper towel dispenser, floor model for jumbo rolls · paper towels and bin liners are not included

Art. No.	Description
BO 5141616	Paper Towel Dispenser

▶ Paper Towels Economy, 2-ply, 420 sheets

Paper towels · white · 2-ply · Suitable dispenser BO 5141616



i Quantity 420 sheets, 22 x 38 cm each (width x length)

Art. No.	Description
BO 5141617	Paper towels

▶ Paper Towels Economy, 1000 sheets

Paper towels · 2-ply · Suitable dispenser BO 5141616



i Quantity 1000 sheets, 24 x 38 cm (width x length) · Weight 2 x 18 g/m² · Packaging unit 2 items

Art. No.	Colour
BO 5141620	white
BO 5141621	blue

▶ Paper Towels Premium, 4-ply, 1000 sheets

Paper towels · 4-ply · white · Suitable dispenser BO 5141616



i Weight 4 x 17 g/m² · Quantity 1000 sheets, 38 x 38 cm (width x length)

Art. No.	Description
BO 5141625	Paper towels

▶ Steel Wool

Top quality · long-fibred · tough · good grip · excellent polishing and grinding ability · highly elastic and uniform · easily divisible strands



Art. No.	Description · fineness
BO 5141634	Cardboard roll of 100 g · 0
BO 5141635	Cardboard roll of 200 g · 0
BO 5141605	Cardboard roll of 100 g · 00
BO 5141601	Cardboard roll of 200 g · 00
BO 5141631	Cardboard roll of 100 g · 000
BO 5141632	Cardboard roll of 200 g · 000
BO 5141636	Spool of 5 kg · 0
BO 5141602	Spool of 5 kg · 00
BO 5141633	Spool of 5 kg · 000
BO 5141637	Spool of 5 kg · 0000

▶ Special Knife with Blade



For removing already cured adhesive residues · also ideal for separating lead profiles and for cutting resist or other films · the narrow blade allows easy access to gaps · with blade protector

Art. No.	Description
BO 5142000	Special Knife with Blade
BO 5142001	Spare Blades · 10 items

▶ Simplex Knife



Made of aluminium · extra sharp, pointed blade · for screw-on blades · with aluminium handle and protective cover or aluminium handle with plastic coating and protective cover

Art. No.	Handle
BO 3001900	Aluminium handle with protective cover
BO 3001901	Aluminium handle with plastic coating and protective cover
BO 3001902	Spare blades · 100 items

▶ Glass Scraper Premium "Martor"



Metal · with blade protection · plastic handle · exchangeable blades · for loosening hardened UV adhesive residues from glass surfaces · also for hard-to-reach corners · Made in Germany

i Blade width 40 mm

Art. No.	Description
BO 5141000	Glass Scraper
BO 5141001	Personna Spare Blades · 100 items
BO 5141001E	Spare Blades for BO 5141000, BO 5141700 and BO 3002007 · box 10 items

▶ Mini Glass Scraper



For easily removing excess adhesive, labels and other residues · Made of durable plastic · with exchangeable blade

i Width 40 mm

Art. No.	Description
BO 3002007	Mini Glass Scraper
BO 5141001	Personna Spare Blades · 100 items

▶ Spare Blades Premium "Personna" 40 mm



High quality branded spare blades with reinforced back · Precision grinding for long service life · Each blade wrapped separately in order to protect ground edges · Suitable, among others, for glass scrapers BO 5141000, BO 5141700, BO 3002007

i Width 40 mm

Art. No.	Description · Sales unit
BO 5141001	Personna Spare Blades · 100 items



Dermatril Disposable Gloves



Offering greater mechanical resistance than conventional Latex disposable gloves · dispensing box

i Chemical protection class cat. III · Performance level according to EN 374 with AQL 0.65 3

Art. No.	Size · Contents
BO 5007516	11 · 100 items
BO 5007510	10 · 100 items
BO 5007519	9 · 100 items
BO 5007520	8 · 100 items



Protective Glasses Premium



UV protective glasses according to EN 170 · grey viewing glasses, scratch-resistant and anti-fog (special anti-fog coating) · adjustable arms · supplied with holding strap

Art. No.	Description
BO 5007613	Protective Glasses

02 | Surface Pre-Treatment

Normal cleaning is not sufficient for some materials to ensure optimum bonding strength of the adhesive. Test ink can be used for measuring the surface tension of the bonding surfaces (min. 38 mN/m) and for determining whether an additional pre-treatment is required. If a pre-treatment is necessary, there are several systems to choose from. Before using the selected pre-treatment, please make sure that it is suited to the chemical composition of the adhesive used.

Metal Primer

The Bohle metal primer is a liquid coupling agent which improves the adhesion of acrylate adhesives on difficult metal surfaces, such as aluminium, chrome or nickel. After cleaning the metal surface, a thin layer of primer is applied. Allow the primer to cure for 5 minutes, then proceed with the usual bonding process. The metal primer does not impair the visual appearance of the bond.



Metal Primer



For improved adhesion on aluminium, chrome or nickel-plated surfaces - for bonding with acrylate adhesives

Please note: Only suitable for acrylate adhesives (UV adhesives). The metal primer does not improve the adhesion of other adhesives, such as silicones, polyurethanes or epoxy resins. Only for use on metal surfaces, do not use on glass! Not to be used in conjunction with Pyrosil®

Art. No.	Contents
BO 5209488	100 g
BO 5209489	1000 g

Pyrosil®

In order to make sure that bonds remain stable even in humid environments (e.g. bathrooms) or on surfaces with a surface tension of less than 38 mN/m, the Pyrosil® pre-treatment technology has to be used. With the aid of a flame burner, a silicate sinter layer is brought onto the bonding surface. In a second step, the Pyrosil® primer is applied, which reacts with the silicate sinter layer and subsequently also forms a permanent chemical bond with the adhesive when bonding. Such a pre-treated bond is durably protected against moisture infiltration. Sealing the bond is no longer necessary. Many hydrophobic glass surfaces (the surface is water-repellent which impedes the adhesive from being distributed sufficiently) can be converted into hydrophilic (excellent wettability, suitable for bonding) with the Pyrosil® technology. Carry out sample bonds if necessary. Thanks to the Pyrosil® technology, the greatest possible adhesion of UV adhesives on glass or metal surfaces can be achieved, which leads to long lasting durability of demanding bonds, subject to high loads. The surface is treated with the pale-blue part of the flame. The flame should be moved evenly across the bonding surface three to four times. A distance too large or too small can have negative influences on the bonding results.



As circumstances require, the Pyrosil® technology is versatile in use ranging from pinpoint application on smallest surfaces up to permanent use in industrial plants. No matter which application you need, Pyrosil® is always easy and comfortable to use. The treated surfaces do not suffer any visual impairments. No waste is generated which needs to be disposed of expensively. The technology does not leave any toxic residues.



Pyrosil® Basic Kit



For improved adhesive strength for UV bonds on problematic surfaces · kit contains a burner with piezoelectric firing, 50 ml bottle of coupling agent, 27.5 g gas refill cartridge · size of flame adjustable · contents are sufficient for pre-treating approx. 3000 cm² of bonding surface · The flame burner is supplied empty.

Art. No.	Description
BO 5209490	Pyrosil® Basic Kit



Pyrosil® Professional Kit



For improved long-term adhesion of challenging bonds. Especially suitable for regular use under industrial conditions, this kit has a larger burner with more contents, robust operating elements and a support base. This kit contains a burner with piezoelectric firing, 2 x 27.5 g gas cartridges, 2 x 50 ml of coupling agent and an application brush. Contents are sufficient to pre-treat approx. 10,000 cm² of bonding surface. · The flame burner is supplied empty.

Art. No.	Description
BO 5209491	Pyrosil® Professional Kit

▶ Pyrosil® Applicator GVE 2



Many types of UV bonds require surface pre-treatment with Pyrosil®. In batch production, however, production intervals are often negatively affected by the use of the silicate sintering technology as cartridges have to be exchanged frequently. Reduce your production intervals by using the Pyrosil® applicator GVE 2. Two Pyrosil® gas cartridges are sufficient for approx. 75 minutes (depending on the type of flame burner). Get all the benefits that Pyrosil® and an effective surface pre-treatment can offer you.

- 1 cartridge containing 330 g is sufficient for approx. 15 m²

Please note: Gas cartridges BO 5209497/Primer are not included. Please order separately!

Art. No.	Description
BO 5500450	Pyrosil® GVE 2 Applicator

▶ Pyrosil® Primer



Art. No.	Contents
BO 5209494	50 ml
BO 5209498	250 ml
BO 5209499	1000 ml

▶ Pyrosil® Gas Cartridge



Art. No.	Description · For · Productivity
BO 5209495	Gas Cartridge 27.5 g · BO 5209490 · approx. 0.3 m ²
BO 5209496	Gas Cartridge 27.5 g · BO 5209491 · approx. 0.5 m ²
BO 5209497	Gas Cartridge 330 g · BO 5500450 · approx. 15 m ²

▶ Pyrosil® Spare Flame Burner



Art. No.	Description
BO 5500455	Pyrosil® Spare Flame Burner

03 | Positioning and Fixing

During the curing process, the adhesive polymerises and forms a polymer chain. If bonding parts are fixed insufficiently, the chain might be damaged. This can lead to a loss of strength and the long-term stability of the bond is at risk. The Bohle Verifix® fixing aids protect the bonding parts from vibration or slipping and thus ensure the best possible bonding results.

Verifix® Glass Bonding Table

The Verifix® glass bonding table together with the proven fixing aids, the Verifix® Pro angle suction holders for 90° and 45° bonds, is the ideal application for precise and professional glass bonding ensuring consistent, high quality results. Bonds which have previously been regarded as problematic can now be carried out easily and safely thanks to the Verifix® glass bonding table and its comprehensive accessories. Challenging applications can be achieved easily and safely thanks to the Verifix® glass bonding table, especially when it comes to complicated 45° mitres. The sturdy UV bonding table features adjustable mitre stops and holding devices for multiple uses, all facilitating the precise positioning of the glass parts towards each other. With the angle suction holders Verifix® Pro, the required layer thickness of both low and medium viscosity adhesives can be applied equally and professionally. The lamp holder positions the UV lamp at the right angle and distance to the bonding surface and ensures uniform and adequate curing of the UV adhesive. The Verifix® bonding table ensures a previously unheard of level of security of the UV bonding process. This is due to the superior bonding precision and easy handling of the device, as well as well thought-out, repeatable processes ensuring a high degree of safety.



Glass Bonding Table



The Verifix® glass bonding table is available in 3 different versions, depending on the accessories. The basic version (BO 5590100) includes the bonding table, a 90° lamp holder, two holding devices and a Verifix® Pro 90° angle suction holder set which enables carrying out 90° bonds safely and easily. The glass bonding table for 45° / 90° bonds (BO 5590200) is ideal for both bonding types. Apart from the basic table, the set contains two lamp holders which are suitable both for 45° mitre bonds and 90° bonds, two holding devices for fixing the glass panes, two 45° mitre stops and a Verifix® Pro 45° angle suction holder set. The Deluxe version (BO 5590300), in addition to the accessories for BO 5590200, includes a Verifix® Pro 90° angle suction holder set and a "Star Light" and a "Long Light XL" UV lamp. This comprehensive set is suitable both for 45° and 90° bonds.

i Length 182 cm · Width 93 cm · Height 90 cm

Art. No.	Version
BO 5590100	Verifix® Glass Bonding Table 90°
BO 5590200	Verifix® Glass Bonding Table 45° / 90°
BO 5590300	Verifix® Glass Bonding Table 45° / 90° Deluxe

Specifications	BO 5590100	BO 5590200	BO 5590300
Verifix® Basic Glass Bonding Table (BO 5590000)	1 item	1 item	1 item
Verifix® Lamp Holder 90° (BO 5591000)	1 item		
Verifix® Lamp Holder 45° / 90° (BO 5591100)		2 items	2 items
Verifix® Holding Device (BO 5591200)	2 items	2 items	2 items
Verifix® Mitre Stop 45° (tabletop version) (BO 5591300)		2 items	2 items
Verifix® Pro Angle Suction Holder 45° (BO 639.3)		1 Set	1 Set
Verifix® Pro Angle Suction Holder 90° (BO 639.1)	1 Set		1 Set
UVA-Star "Light", 230 volts (BO 5209470)			1 item
UVA-Star "Long Light XL" (BO 5209476)			1 item

Accessories



Verifix® Lamp Holder



For positioning the UVA tube lamp on the bonding table BO 5590000, for 90° bonds and 45° mitre bonds

Art. No.	Description
BO 5591000	Verifix® Lamp Holder 90°
BO 5591100	Verifix® Lamp Holder 45° / 90°
BO 5591400	Verifix® Conversion Set for Lamp Holder from 45° to 90°



Verifix® Holding Device



For fixing glass panes on the bonding table.

Art. No.	Description
BO 5591200	Verifix® Holding Device



Verifix® 45° Mitre Stop (tabletop version)



For use together with Verifix® Pro angle suction holders 45° BO 639.2/3 for 45° mitre bonds.

Art. No.	Description
BO 5591300	Verifix® 45° Mitre Stop (tabletop version)



Angle Suction Holder Verifix® 90° adjustable

VERIFIX



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

- 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.

The New Generation of Angle Suction Holders

The demands on glass bonds, glass furniture or glass adhesives are constantly increasing. That is why the demands on fixings aids, which those high quality glass objects are constructed with, are also subject to permanent change. In the following section you will find the first products of a new generation of suction holders and fixing aids which live up to the new demands. They offer plenty of advantages, such as process stability, high quality and the exact adjustment of the bonding gap, which are indispensable for achieving top quality bonds and a safe bonding process.

▶ 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

❶ Height 176 mm · Depth 160 mm · Suction pad 110 mm Ø

VERIFIX



Art. No.	Description
B0 639.0	Verifix® Pro Angle Suction Holder 90°
B0 639.1	Set with 2 x B0 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



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® 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).

Accessories



Thickness Gauge 0.05



For use with the low viscosity UV adhesives B 665-0, LV740, LV740VIS, 420VIS. · When positioning the glass pane, a specific gap thickness can be adjusted with the aid of the thickness gauge. This guarantees that the minimum layer thickness of the adhesive is always observed. · Ideal for use together with the Verifix® Pro angle suction holders 90° (BO 639.0/ 639.1) and 45° (BO 639.2/ 639.3).

i Thickness 0.05 mm · Colour blue

Art. No.	Description
SP BT6385	Thickness Gauge 0.05 mm



Thickness Gauge 0.1



For use with the medium viscosity UV adhesives B 690-0, B 678-0, B 682-T, MV760, MV760VIS. · When positioning the glass pane, a specific gap thickness can be adjusted with the aid of the thickness gauge. This guarantees that the minimum layer thickness of the adhesive is always observed. · Ideal for use together with the Verifix® Pro angle suction holders 90° (BO 639.0/ 639.1) and 45° (BO 639.2/ 639.3).

i Thickness 0.1 mm · Colour purple

Art. No.	Description
SP BT6386	Thickness Gauge 0.1 mm

Rigid Fixing Devices

A special range of diverse holding devices and aids for systematic glass bonding. Useful for many applications - for example, for positioning when edge bonding.

▶ 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

▶ Angle Suction Holder Verifix® 90°



VERIFIX

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°



VERIFIX

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



VERIFIX

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



Angle Suction Holder Verifix® 90°

VERIFIX



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

i 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!

i 2 suction pads · Suction pad 55 mm Ø · 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.



Combination Suction/Magnet Holder Verifix® 90°



VERIFIX



With one suction unit and one magnetic unit (heavy-duty, high-performance magnet) · 1 counter plate BO 634.02 is included · always store the magnet with the counter plate attached

i 1 suction pad 55 mm Ø · Glass thickness max. 8 mm · Length 70 mm · Width 55 mm · Height 65 mm



Please note:

Always store the magnets with the counter plates attached. Closing the magnetic circuits extends the service lives of the magnets.

Art. No.	Description
BO 633.3	Verifix® Combination Suction/Magnet Holder 90°
BO 634.02	Verifix® Counter Plate for Verifix® Magnetic Cube
BO 633.21	Verifix® Magnetic Unit without Counter Plate
BO 633.22	Bracket for Magnet Holder

Verifix® Corner Clamp

The Verifix® corner clamps are ideal for brief fixing of glass parts. These clamps can help to keep the glass parts from moving apart, particularly when working with long bonding edges or large objects.



Verifix® Corner Clamp (outside) · with Adjustable Thrust Pad and Suction Pad

VERIFIX



By using 4 of these BO 635.0 corner clamps, a cabinet or similar object can be positioned quickly · for short-term fixing · for rectangular constructions

i Suction pad 55 mm Ø

Art. No.	Description
BO 635.0	Verifix® Corner Clamp (outside)



Verifix® Corner Clamp (outside) · with Adjustable Thrust Pad and Suction Pad

VERIFIX



Used to securely hold two glass sheets at 90° to one another

i Suction pad 55 mm Ø



Art. No.	Description
BO 635.1	Verifix® Corner Clamp (outside)



Verifix® Corner Clamp (inside) · with Adjustable Thrust Pad and Suction Pad

VERIFIX



For use together with eccentric suction stopper BO 637.0 for rectangular fixing and bonding of two glass panes

i Suction pad 55 mm Ø



Art. No.	Description
BO 635.2	Verifix® Corner Clamp (inside)

Holding Devices

▶ Magnetic Cube Verifix® with Two Counter Plates

VERIFIX



Heavy-duty magnet · accurate right angles · two lateral hollows allow the cube to be held comfortably · all edges and corners are bevelled · the fixing plates have protective coating to avoid scratches on the glass surface · always store the magnet with the counter plates attached

i Length 50 mm · Width 45 mm · Height 45 mm · Glass thickness max. 8 mm



Please note:

Always store the magnets with the counter plates attached. Closing the magnetic circuits extends the service lives of the magnets.

Art. No.	Description
BO 634.0	Verifix® Magnetic Cube
BO 634.01	Verifix® Magnetic Cube without Counter Plates
BO 634.02	Verifix® Counter Plate for Verifix® Magnetic Cube
SP B0940N	Disc Magnet 30 x 5 mm with "N" Countersunk Hole
SP B0940S	Disc Magnet 30 x 5 mm with "S" Countersunk Hole

Flexible and Variable Fixing Devices

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.

Verifix® Adjustable Angle Suction Holders

This flexible system was developed to hold parts at angles other than 90° easily and safely.

▶ 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

i 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

i 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

Verifix® Eccentric Suction Stoppers

Verifix® eccentric suction stoppers are ideal for many tasks for shop and interior decoration. Application possibilities are almost unlimited. The eccentric suction stoppers are indispensable, especially when it comes to bonding shelves into showcases or positioning shelves.

▶ 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

▶ Eccentric Suction Stopper Verifix®

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

VERIFIX



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



Fixing Aid and Straight Edge Holder



For multi-layered bonding, e.g. with two-component silicone adhesive. The adjustable holder is fastened by means of a suction pad to the corners of the glass panes. Rectangular glass sheets require a minimum of 3 units.

i Height 75 mm · Diameter 55 mm



Art. No.	Description · Version
BO 670.1	Straight Edge Holder · adjustable

Verifix® Clamping Device

These rotating holding devices can be used in a wide range of applications. They are optimally suited to build display cabinets, fish tanks or other glass cubes and are therefore indispensable when constructing glass furniture.



Verifix® Clamping Device

VERIFIX



Two forked endpieces which rotate 360° with connecting profile and plastic pressure screws for locking into place · particularly suitable for special aquarium construction

i Glass thickness 3 - 10 mm



Art. No.	Glass thickness
BO 636.0	3 - 10 mm



Verifix® Clamping Device

VERIFIX



Two forked endpieces which rotate 360° with connecting profile and plastic pressure screws for locking into place · particularly suitable for special aquarium construction · for thicker glass sheets

i Glass thickness 6 - 19 mm



Art. No.	Glass thickness
BO 636.1	6 - 19 mm

04 | Adhesives

The selection of the correct adhesive depends on the combination of materials, the ambient conditions and the required load capacity. Apart from low viscosity adhesives with good capillary action, medium viscosity, impact resistant or elastic adhesives are also available. Features such as moisture resistance and a protection against yellowing form part of the latest state of the art products. As a basic principle, the applied adhesive layer should be of a sufficient thickness to ensure the maximum strength and load capacity of the bond. Bohle offers all medium viscosity UV adhesives also with "spacers". "Spacers" are a specific filling material which is added to the adhesive and guarantees that the minimum thickness of the adhesive layer is reached without causing visual impairments of the bond. In addition, when using the Verifix® fixing aids, Bohle also offers appropriate thickness gauges for adjusting the desired layer thickness.

Silicone Adhesives

The term "glass bonding" is usually used to mean working with UV curing adhesives. However, the following product range proves that other adhesives also have many applications when bonding glass.



2 K Silicone Verifix®



VERIFIX



Bohle has developed the Verifix® two-component silicone adhesive especially for bonding glass surfaces. The product is ideal for use on mouth-blown and flashed glass, rolled stained glass or fusing glass, and of course for perfectly transparent, bubble-free float glass bonds. Supporting panes such as door panels, all-glass doors or partitions can be bonded on their entire surfaces. Single smaller objects can be bonded to a larger surface in one go. The bothersome weighing of compound components is no longer required as the product can be mixed in a 1:1 ratio - only a single measuring cup is needed. In addition, the mixed silicone does not require vacuum degassing. Larger sizes on request. Suitable for exterior applications, waterproof, UV-stable, yellowing resistant, permanently elastic.

Art. No.	Contents
BO 5500510	1 kg
BO 5500513	5 kg
BO 5500516	50 kg



Coupling Agent Set for Verifix® 2 K Silicone



The set includes a 90 ml bottle of primer and a 10 ml bottle of catalyser. Mix the contents of both bottles before use. For this purpose pour the contents of the small "catalyser" bottle into the large "primer" bottle and then shake it for about 30 seconds. The coupling agent is now ready for use and has a service life of approx. 1 month. It is essential for the adhesion of the two-component silicone on the glass surface.

i Contents 90 ml primer + 10 ml catalyser

Art. No.	Description · Contents
BO 5500518	Coupling Agent Set - 90 ml primer + 10 ml catalyser

Accessories



Measuring Cup



This plastic measuring cup is suitable for mixing the Verifix® 2K silicone adhesive.

i With Scale

Art. No.	Description
BO 5500521	Measuring Cup 100 ml
BO 5500522	Measuring Cup 400 ml



Stopcock for 50 kg Container



For dispensing silicone from the 50 kg container (BO 5500516).

i Size 2"

Art. No.	Description
BO 5500519	Stopcock for 50 kg Container

Two-Component Adhesives

At times, the use of UV curing adhesives is not possible because bonding materials are insufficiently translucent or the combination of the materials to be bonded and the UV adhesives can lead to chemical incompatibilities. For those instances, Bohle offers the following two-component structural adhesives as suitable applications.

▶ Verifix® 2K-PU Structural Adhesive

The two-component PU structural adhesive is a general-purpose adhesive suitable for bonding materials such as glass and many metals. The adhesive is distinguished by its high bonding strength coupled with impact resistance. Possible applications include the bonding of mirror fixings as well as bonding metal parts to painted or printed glass surfaces (surfaces must be checked for bonding suitability beforehand). For special applications or when demanding loads are anticipated, trial bonding should be done. As the adhesive is off-white, it is only suitable for visible bonds to a limited extent. · Set offer: Save money when buying adhesives in a set!

i Pot life 13 min. · Processing stability 30 min. · Final stability 24 h · Max. allowable continuous temperature: -55 - +100 °C · Shear strength: 14 MPa · Elongation at break 65 % · Hardness (Shore D) 60

VERIFIX



▼ Please note:

Not UV-stable · Test non-standard bonds (stone, wood, etc.) beforehand

Art. No.	Description · Set
BO 5500506	Verifix® 2K-PU Structural Adhesive
BO 5500507	2 x adhesive, 2 packing units of mixer nozzles, 1 applicator



Verifix® 2K Acrylate Adhesive



VERIFIX



This adhesive enables crystal clear bonds of different materials like glass, many metals and some plastics. It can bridge bonding gaps up to a maximum of 0.5 mm.

Caution: If a large amount of adhesive is processed at one time, it will become hot.

Set offer: Save money when buying adhesives in a set! · Test non-standard bonds (stone, wood, etc.) beforehand

i Processing time 30 sec. · Final stability 8 h · Temperature range -30 - +100 ° · Shear strength: 17 MPa · Peel strength 25 N/mm

Heat sensitive product!

Storage in the fridge extends shelf life.

Art. No.	Description · Set
BO 5500501	Verifix® 2K Acrylate Adhesive
BO 5500504	2x Verifix® 2K Acrylate Adhesive, 2 x mixer nozzle, 1 applicator

Accessories



Applicator



Suitable for cartridges BO 5500501 and BO 5500506. For easy application of two-component structural adhesives.

Art. No.	Description
BO 5500502	Applicator
BO 5500503	Mixer nozzles, 10 items



Adhesive Properties at a Glance

Specifications	BO 5500501	BO 5500506
Moisture resistance	no	yes
UV stability	yes	no
Colour	crystal clear	off-white
Final consistency	very hard	very hard
Impact resistant	yes	yes
Compensation of tension	very good	very good
Shear strength	17 MPa	14 MPa
Processing stability	approx. 2 min.	30 min.
Final stability	8 h	24 h
Max. allowable continuous temperature	-30 - +100 °C	-55 - +100 °C
Peel strength	25 N/mm	
Pot life	0.5 min.	13 min.
Elongation at break		65 %
Hardness (Shore D)		60



Possible Bonds

Specifications	BO 5500501	BO 5500506
Glass/glass	yes	yes
Glass/metal	yes	yes
Tempered glass/tempered glass	yes	yes
Glass/stone	limited	limited
Glass/wood	limited	limited
Laminated safety glass/glass	yes	yes
Laminated safety glass/laminated safety glass	yes	yes
Laminated safety glass/stone	limited	limited
Laminated safety glass/wood	limited	limited
Laminated safety glass/metal	yes	yes
Laminated safety glass/tempered glass	yes	yes
Glass/plastic	limited	limited
Laminated safety glass/plastic	limited	limited
Plastic/plastic	limited	limited
Plastic/metal	limited	limited
Plastic/tempered glass	limited	limited

UV Curing Adhesives

With specially developed properties, UV curing adhesives are suitable for durable, stable bonds for many different materials such as glass/glass or glass/metal. For this purpose, Bohle has developed a large range of UV adhesives and is known today as one of the technology leaders in glass bonding.

▶ UV Adhesive Verifix® MV 760



VERIFIX



Due to its outstanding properties, the UVA curing adhesive Verifix® MV 760 is extremely versatile and therefore ideal for glass/metal and glass/glass bonds. Verifix® MV 760 is mainly used for constructions that are subject to high static or dynamic forces. Its high elongation at break compensates for the expansion of different bonded materials without loss of adhesion.

i Viscosity: medium 1500 mPas · Shear strength: 25 MPa · Bondline gap: 0.08 - 0.5 mm · Max. allowable continuous temperature: 70 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: none · Compensation of tension: limited · Impact resistant: yes · Suitable for use with activator: no · Vibration absorbing: yes · Moisture resistance: yes · UVA curing: yes · Light curing: no · Construction: open and closed

Art. No.	Contents
BO MV7601K	1000 g
BO MV76025	250 g
BO MV76010	100 g
BO MV76002	20 g

▶ UV Adhesive Verifix® MV 760 with Spacers



VERIFIX



The spacers added to the Verifix® MV 760 adhesive guarantee that the required minimum adhesive layer thickness is reached. This makes sure that, when bonding very heavy glass parts, sufficient adhesive is distributed between the bonding parts. Depending on the bonding process, this method has also proven useful when bonding metal in order to maintain the minimum adhesive layer thickness. The spacers do not interfere with the technical properties of the adhesive. Please read the supplied processing guidelines carefully. If you have any questions, our application technicians will be happy to assist you.

i Viscosity: medium 1500 mPas · Shear strength: 25 MPa · Bondline gap: 0.08 - 0.5 mm · Max. allowable continuous temperature: 70 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: none · Compensation of tension: limited · Impact resistant: yes · Suitable for use with activator: no · Vibration absorbing: yes · Moisture resistance: yes · UVA curing: yes · Light curing: no · Construction: open and closed

Art. No.	Contents - Description
BO MV7601KS	1000 g · with spacers
BO MV76025S	250 g · with spacers



UV Adhesive Verifix® MV 760VIS



VERIFIX



The UVA and light curing adhesive MV 760VIS is suitable for universal applications due to its adhesive properties. It is therefore ideal for glass/metal and glass/glass bonds. This adhesive is mainly used for glass constructions subject to high static or dynamic forces. Important: Due to its composition, Verifix® MV 760 VIS is particularly appropriate for bonding laminated safety glass/laminated safety glass and laminated safety glass/metal.

i Viscosity: medium 1500 mPas · Shear strength: 25 MPa · Bondline gap: 0.08 - 0.5 mm · Max. allowable continuous temperature: 70 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: none · Compensation of tension: limited · Impact resistant: yes · Suitable for use with activator: no · Vibration absorbing: yes · Moisture resistance: yes · UVA curing: yes · Light curing: yes · Construction: open and closed

Art. No.	Contents
B0 MV76V1K	1000 g
B0 MV76V25	250 g
B0 MV76V10	100 g



UV Adhesive Verifix® MV 760VIS with Spacers



VERIFIX



The spacers added to the Verifix® MV 760VIS adhesive guarantee that the required minimum adhesive layer thickness is reached. This makes sure that, when bonding very heavy glass parts, sufficient adhesive is distributed between the bonding parts. Depending on the bonding process, this method has also proven useful when bonding metal in order to maintain the minimum adhesive layer thickness. The spacers do not interfere with the technical properties of the adhesive. Please read the supplied processing guidelines carefully. If you have any questions, our application technicians will be happy to assist you. Important: Due to its composition, Verifix® MV 760 VIS is particularly appropriate for bonding laminated safety glass/laminated safety glass and laminated safety glass/metal.

i Viscosity: medium 1500 mPas · Shear strength: 25 MPa · Bondline gap: 0.08 - 0.5 mm · Max. allowable continuous temperature: 70 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: none · Compensation of tension: limited · Impact resistant: yes · Suitable for use with activator: no · Vibration absorbing: yes · Moisture resistance: yes · UVA curing: yes · Light curing: yes · Construction: open and closed

Art. No.	Contents
B0 MV76V25S	250 g



UV Adhesive Verifix® LV 740



VERIFIX



Due to its excellent capillary action, this UVA curing adhesive is exceptionally suitable for glass/glass and tempered glass/tempered glass bonds. This adhesive is used when looks are extremely important, e.g. in the construction of display cabinets, glass furniture, etc. The main areas of application are objects or glass constructions subject to static as well as dynamic forces. Reduced clean-up time means that production cycles can be done quickly and efficiently.

i Viscosity: low 80 mPas · Shear strength: 17 MPa · Bondline gap: 0.04 - 0.2 mm · Max. allowable continuous temperature: 70 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: very good · Compensation of tension: limited · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: limited · Moisture resistance: yes · UVA curing: yes · Light curing: no · Construction: open and closed

Art. No.	Contents
BO LV7401K	1000 g
BO LV74025	250 g
BO LV74010	100 g
BO LV74002	20 g



UV Adhesive Verifix® LV 740VIS



VERIFIX



Due to its excellent capillary action, this UVA and light curing adhesive is ideal for bonding glass to glass, tempered to tempered glass, laminated safety to laminated safety glass and all float/tempered/laminated safety glass combinations. This adhesive is used when looks are extremely important, e.g. in the construction of display cabinets, glass furniture, etc. The main areas of application are objects or glass constructions subject to static as well as dynamic forces. Reduced clean-up time means that production cycles can be done quickly and efficiently. Please note: Its special composition makes Verifix® LV 740VIS particularly suitable for laminated safety to laminated safety glass bonds.

i Viscosity: low 80 mPas · Shear strength: 17 MPa · Bondline gap: 0.04 - 0.2 mm · Max. allowable continuous temperature: 70 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: very good · Compensation of tension: limited · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: limited · Moisture resistance: yes · UVA curing: yes · Light curing: yes · Construction: open and closed

Art. No.	Contents
BO LV74V1K	1000 g
BO LV74V25	250 g
BO LV74V10	100 g



UV Adhesive Verifix® B 665-0

VERIFIX



This UVA curing adhesive displays very good capillary properties. It is particularly suitable for bonding glass to glass. The adhesive's low viscosity makes time-consuming reworking unnecessary, so that it can be applied rapidly and economically. · Please note: The Bohle Verifix® B-665-0 UV adhesive is not suitable for tempered glass!

i Viscosity: low 80 mPas · Shear strength: 23 MPa · Bondline gap: 0.04 - 0.2 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +120 °C · Colour: crystal clear · Capillary characteristics: very good · Compensation of tension: no · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: no · Moisture resistance: no · UVA curing: yes · Light curing: no · Construction: open and closed

Art. No.	Contents
BO 5209324	1000 g
BO 5209321	250 g
BO 5209300	100 g
BO 5209327	20 g



UV Adhesive Verifix® B 682-T



VERIFIX



Due to its very high final strength, this UVA curing adhesive is particularly suitable for statically and dynamically demanding bonds. Glass/metal bonds work particularly well with this adhesive. When the Bohle UV activator LF (BO 5209365 / BO 5209367) is used, the Verifix® B 682-T adhesive is able to cure without UV light (e.g. for coloured glass, laminated safety glass/metal bonds, etc.). When using the activator, the yellowing of the bond cannot be ruled out.

i Viscosity: medium 900 mPas · Shear strength: 26 MPa · Bondline gap: 0.09 - 0.5 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +140 °C · Colour: transparent · Capillary characteristics: none · Compensation of tension: limited · Impact resistant: yes · Suitable for use with activator: yes · Vibration absorbing: yes · Moisture resistance: no · UVA curing: yes · Light curing: no · Construction: open and closed

Art. No.	Contents
BO 5209396	1000 g
BO 5209395	250 g
BO 5209394	100 g
BO 5209393	20 g



UV Adhesive Verifix® B 682-T with Spacers



VERIFIX



The spacers added to the Verifix® 682-T adhesive guarantee that the required minimum adhesive layer thickness is reached. This makes sure that, when bonding very heavy glass parts, sufficient adhesive is distributed between the bonding parts. Depending on the bonding process, this method has also proven useful when bonding metal in order to maintain the minimum adhesive layer thickness. The spacers do not interfere with the technical properties of the adhesive. Please read the supplied processing guidelines carefully. If you have any questions, our application technicians will be happy to assist you.

i Viscosity: medium 900 mPas · Shear strength: 26 MPa · Bondline gap: 0.09 - 0.5 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +140 °C · Colour: transparent · Capillary characteristics: none · Compensation of tension: limited · Impact resistant: yes · Suitable for use with activator: yes · Vibration absorbing: yes · Moisture resistance: no · UVA curing: yes · Light curing: no · Construction: open and closed

Art. No.	Contents · Description
BO 5209396S	1000 g · with spacers
BO 5209395S	250 g · with spacers



Activator LF



This activator allows the curing of Verifix® B 682-T UV adhesive where it is not possible under normal circumstances using UVA radiation, e.g. with coloured glass, screen printed glass, laminated safety glass, metal/metal bonds, etc. When activator is used, slight yellowing of the bond can occur. · Using an additional UV lamp is not required. · Shelf life: 6 months

Please note:
Air sensitive product!
Always close bottle
immediately after use.

Art. No.	Contents
BO 5209365	9 ml
BO 5209367	50 ml



UV Adhesive Verifix® B 678-0 Lamifix

VERIFIX



Due to its elasticity, this UVA and light curing adhesive is ideal for bonding many different material combinations. It excels due to its high vibration absorption within the bonding joint. Especially interesting, however, is its suitability for bonding laminated safety glass. Lamifix adhesive is ideal for bonding laminated safety glass to laminated or ordinary glass within a closed system.

i Viscosity: medium 600 mPas · Shear strength: 9 MPa · Bondline gap: 0.06 - 0.3 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +100 °C · Colour: crystal clear · Compensation of tension: very good · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: high · Moisture resistance: yes · UVA curing: yes · Light curing: yes · Construction: closed · Viscoelastic properties: elastic

Art. No.	Contents
B0 5209362	1000 g
B0 5209360	85 g



UV Adhesive Verifix® B 678-0 Lamifix with Spacers

VERIFIX



The spacers added to the Verifix® 678-0 adhesive guarantee that the required minimum adhesive layer thickness is reached. This makes sure that, when bonding very heavy glass parts, sufficient adhesive is distributed between the bonding parts. Depending on the bonding process, this method has also proven useful for surface bonding in order to maintain the minimum adhesive layer thickness. The spacers do not interfere with the technical properties of the adhesive. Please read the supplied processing guidelines carefully. If you have any questions, our application technicians will be happy to assist you.

i Viscosity: medium 600 mPas · Shear strength: 9 MPa · Bondline gap: 0.06 - 0.3 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +100 °C · Colour: crystal clear · Compensation of tension: very good · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: high · Moisture resistance: yes · UVA curing: yes · Light curing: yes · Construction: closed · Viscoelastic properties: elastic

Art. No.	Contents · Description
B0 5209362S	1000 g - with spacers



UV Adhesive Verifix® B 690-0

VERIFIX



Due to its exceptional elasticity, this UVA curing adhesive is ideal for bonding different material combinations and surfaces of up to 1 m².

i Viscosity: medium 600 mPas · Shear strength: 9 MPa · Bondline gap: 0.06 - 0.3 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +100 °C · Colour: crystal clear · Compensation of tension: very good · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: high · Moisture resistance: yes · UVA curing: yes · Light curing: no · Construction: closed · Viscoelastic properties: elastic

Art. No.	Contents
B0 5209372	1000 g
B0 5209370	85 g



UV Adhesive Verifix® B 690-0 with Spacers

VERIFIX



The spacers added to the Verifix® B 690-0 adhesive guarantee that the required minimum adhesive layer thickness is reached. This makes sure that, when bonding very heavy glass parts, sufficient adhesive is distributed between the bonding parts. Depending on the bonding process, this method has also proven useful for surface bonding in order to maintain the minimum adhesive layer thickness. The spacers do not interfere with the technical properties of the adhesive. Please read the supplied processing guidelines carefully. If you have any questions, our application technicians will be happy to assist you.

i Viscosity: medium 600 mPas · Shear strength: 9 MPa · Bondline gap: 0.06 - 0.3 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -40 - +100 °C · Colour: crystal clear · Compensation of tension: very good · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: high · Moisture resistance: yes · UVA curing: yes · Light curing: no · Construction: closed · Viscoelastic properties: elastic

Art. No.	Contents · Description
B0 5209372S	1000 g · with spacers



UV Adhesive Verifix® 420VIS



VERIFIX



This medium-viscosity, UVA and light curing adhesive was especially developed for bonding thermoplastics. It facilitates strong, flexible and crystal clear bonds together with short curing times. The adhesive is also suitable for bonding plastic to glass or metal. A reduced cleaning effort offers the possibility of quick and efficient production cycles.

i Viscosity: medium 300 mPas · Shear strength: 6 MPa · Bondline gap: 0.07 - 0.2 mm · Max. allowable continuous temperature: 50 °C · Temperature range: -55 - +120 °C · Colour: crystal clear · Capillary characteristics: limited · Compensation of tension: very good · Impact resistant: no · Suitable for use with activator: no · Vibration absorbing: yes · Moisture resistance: no · UVA curing: yes · Light curing: yes · Construction: closed

Art. No.	Contents
BO 420VI1K	1000 g
BO 420VI25	250 g
BO 420VI10	100 g



UV Adhesive Set



i Packaging unit 5 bottles · Contents each 20 g · Colour: red - green - yellow - blue - black

Art. No.	Description
BO 5209331	UV Adhesive Set



Adhesive Properties at a Glance

Specifications	MV 760	MV 760VIS	LV 740	LV 740VIS
Viscosity:	medium 1500 mPas	medium 1500 mPas	low 80 mPas	low 80 mPas
Shear strength:	25 MPa	25 MPa	17 MPa	17 MPa
Bondline gap:	0.08 - 0.5 mm	0.08 - 0.5 mm	0.04 - 0.2 mm	0.04 - 0.2 mm
Max. allowable continuous temperature:	70 °C	70 °C	70 °C	70 °C
Temperature range:	-40 - +120 °C	-40 - +120 °C	-40 - +120 °C	-40 - +120 °C
Colour:	crystal clear	crystal clear	crystal clear	crystal clear
Capillary characteristics:	none	none	very good	very good
Compensation of tension:	limited	limited	limited	limited
Impact resistant:	yes	yes	no	no
Suitable for use with activator:	no	no	no	no
Vibration absorbing:	yes	yes	limited	limited
Moisture resistance:	yes	yes	yes	yes
UVA curing:	yes	yes	yes	yes
Light curing:	no	yes	no	yes
Construction:	open and closed	open and closed	open and closed	open and closed
Yellowing resistant:	yes	yes	yes	yes
Viscoelastic properties:	impact resistant	impact resistant	limited elasticity	limited elasticity
Specifications	B 665-0	B 682-T	B 678-0	B 690-0
Viscosity:	low 80 mPas	medium 900 mPas	medium 600 mPas	medium 600 mPas
Shear strength:	23 MPa	26 MPa	9 MPa	9 MPa
Bondline gap:	0.04 - 0.2 mm	0.09 - 0.5 mm	0.06 - 0.3 mm	0.06 - 0.3 mm
Max. allowable continuous temperature:	50 °C	50 °C	50 °C	50 °C
Temperature range:	-40 - +120 °C	-40 - +140 °C	-40 - +100 °C	-40 - +100 °C
Colour:	crystal clear	transparent	crystal clear	crystal clear
Capillary characteristics:	very good	none	limited	limited
Compensation of tension:	no	limited	very good	very good
Impact resistant:	no	yes	no	no
Suitable for use with activator:	no	yes	no	no
Vibration absorbing:	no	yes	high	high
Moisture resistance:	no	no	yes	yes
UVA curing:	yes	yes	yes	yes
Light curing:	no	no	yes	no
Construction:	open and closed	open and closed	closed	closed
Yellowing resistant:	no	no	yes	yes
Viscoelastic properties:	brittle	impact resistant	elastic	elastic
Specifications	420VIS			
Viscosity:	medium 300 mPas			
Shear strength:	6 MPa			
Bondline gap:	0.07 - 0.2 mm			
Max. allowable continuous temperature:	50 °C			
Temperature range:	-55 - +120 °C			
Colour:	crystal clear			
Capillary characteristics:	limited			
Compensation of tension:	very good			
Impact resistant:	no			
Suitable for use with activator:	no			
Vibration absorbing:	yes			
Moisture resistance:	no			
UVA curing:	yes			
Light curing:	yes			
Construction:	closed			
Yellowing resistant:	yes			
Viscoelastic properties:	elastic			

Temperature resistance

The temperature resistance refers to the maximum allowable continuous temperature at which the cured adhesive is not irreversibly damaged. With increasing temperatures, however, the maximum strength steadily decreases.

Tensile/Shear strength

When recommended minimum and maximum layer thicknesses are taken into consideration, the tensile/shear strengths listed in the table can be achieved.



Possible Bonds

Specifications	MV 760	MV 760VIS	LV 740	LV 740VIS
Glass/glass	yes	yes	yes	yes
Glass/metal	yes	yes	no	no
Tempered glass/tempered glass	yes	yes	yes	yes
Glass/stone	limited	limited	no	no
Glass/wood	limited	limited	no	no
Laminated safety glass/glass	limited	yes	limited	yes
Laminated safety glass/laminated safety glass	no	yes	no	yes
Laminated safety glass/stone	no	limited	no	no
Laminated safety glass/wood	no	limited	no	no
Laminated safety glass/metal	no	yes	no	no
Laminated safety glass/tempered glass	limited	yes	limited	yes
Glass/plastic	limited	limited	no	no
Laminated safety glass/plastic	no	limited	no	no
Plastic/plastic	no	no	no	no
Plastic/metal	no	no	no	no
Plastic/tempered glass	no	limited	no	no
Specifications	B 665-0	B 682-T	B 678-0	B 690-0
Glass/glass	yes	yes	yes	yes
Glass/metal	no	yes	limited	limited
Tempered glass/tempered glass	no	yes	yes	yes
Glass/stone	no	limited	limited	limited
Glass/wood	no	limited	limited	limited
Laminated safety glass/glass	limited	limited	yes	limited
Laminated safety glass/laminated safety glass	no	no	yes	no
Laminated safety glass/stone	no	no	limited	no
Laminated safety glass/wood	no	no	limited	no
Laminated safety glass/metal	no	no	limited	no
Laminated safety glass/tempered glass	no	limited	yes	limited
Glass/plastic	no	limited	limited	no
Laminated safety glass/plastic	no	no	limited	no
Plastic/plastic	no	no	no	no
Plastic/metal	no	no	no	no
Plastic/tempered glass	no	no	limited	no
Specifications	420VIS			
Glass/glass	no			
Glass/metal	no			
Tempered glass/tempered glass	no			
Glass/stone	no			
Glass/wood	no			
Laminated safety glass/glass	no			
Laminated safety glass/laminated safety glass	no			
Laminated safety glass/stone	no			
Laminated safety glass/wood	no			
Laminated safety glass/metal	no			
Laminated safety glass/tempered glass	no			
Glass/plastic	yes			
Laminated safety glass/plastic	yes			
Plastic/plastic	yes			
Plastic/metal	yes			
Plastic/tempered glass	yes			
Description	suitable for bonding PMMA/PC/PET/ABS			



Processing Guidelines for Glass Bonding with UV Adhesives

1. Material selection (suitability of the adhesive):

The material selection and the subsequent selection of the appropriate adhesive (see point 3) results in different mechanical strength properties of the bond. For technical data of our Verifix® bonding portfolio, please see the preceding pages. All specifications relate to transparent, UVA light translucent float glasses. Transparent float glass, mirrors (on the visible side), tempered glass and plate wired glass can be bonded without any difficulty. Special types of glass can lead to reduced mechanical strength properties or cannot be bonded. All types of structured glass are problematic, such as ornamental glass or wired glass. The UVA light translucency depends, among other things, on glass thickness and colour intensity. Important: Glass with a high UV absorption rate, such as laminated safety glass and coloured glass, cannot be bonded with standard UV adhesives.

The following highly photosensitive Bohle Verifix® adhesives are suitable for this purpose: MV 760VIS, LV 740VIS or Lamifix 678 and 682-T with activator. Please note: The indicated strength values can be reached within the corresponding layer thicknesses mentioned above. Excessive, too thin or irregular adhesive layer thicknesses have an adverse effect on bonding strength. Extensive tests have shown that stainless steel is especially suitable for bonding glass to metal.

2. Pre-treatment of bonding surfaces

· 2.1 Cleaning:

The surfaces to be bonded must be completely clean and free of dust and grease (free of separating agents). Use a cleaning agent that is suitable for UV bonding (free from surfactants or separating agents).

· Standard glass or household cleaners are not suitable in most cases.

· Recommendation: Bohle special cleaner for glass bonding, art. no. BO 5107910.

2.2 Removing residual moisture:

The adhesive and the parts to be bonded must be at room temperature. In order to achieve a durably stable bond, it is essential to briefly warm bonding surfaces before bonding. In this way residual moisture (condensate) can be completely removed.

· Use hot-air unit or hairdryer. Failure to observe these instructions can lead to decreased stability of the bond which may not be noticed immediately, and thus result in decreasing long-term stability.

2.3 Pyrosil® surface pre-treatment:

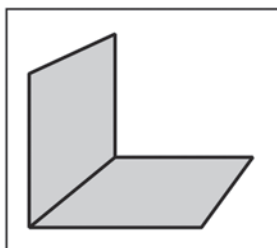
Durable adhesion can be achieved by an additional pre-treatment of problematic bonding surfaces with the Pyrosil® technology protecting the bond from moisture infiltration. This is particularly important for high load-bearing bonds, exterior applications or for use in humid environments.

3. Adhesive selection:

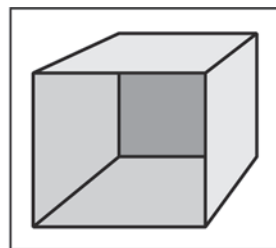
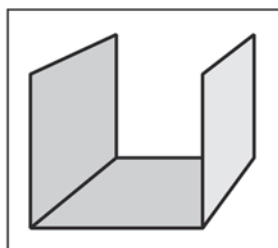
Different Bohle Verifix® UVA and light curing adhesives are available for testing, depending on the requirements of the bond, its desired load capacity and intended use.

Special observations: Glass/metal bonds: The medium-viscosity UV adhesives Verifix® B-682-T or Verifix® MV 760 are ideal for dynamic bonds.

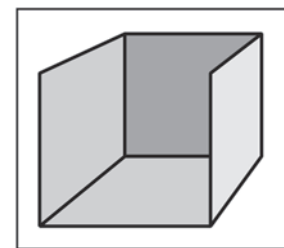
Glass/glass bonds: When planning and constructing all-glass objects, the construction type should always be "closed" (i.e. self-stabilising, see fig.) for achieving maximum stability. Elastic adhesives, such as B-678-0 and B-690-0, are particularly appropriate for "closed" constructions and for surface bonding of glass/glass and glass/metal constructions. If an "open" construction is explicitly desired for design reasons or if this is the only feasible construction type, only the following adhesives must be used: Verifix® LV 740, Verifix® LV 740VIS, Verifix® B-665-0, Verifix® MV 760VIS, Verifix® MV 760 or Verifix® B-682-T.



open construction



closed construction





Processing Guidelines for Glass Bonding with UV Adhesives

4. Fixing aids:

It is essential to secure bonded objects against vibrations and slipping in order to guarantee the complete curing of the UV adhesive. The Verifix® product portfolio includes suitable fixing aids which facilitate securing the bonded object in position. Our sales representative will be happy to talk to you about further details.

5. Bonding/application of the adhesive:

Before applying the adhesive, check the objects to be bonded for accuracy of fit. This can best be done by mounting the whole construction by way of a trial (use fixing aids).

- If more than 5 minutes have passed after heating the bonding joints, they must be heated again before applying the adhesive.
- If possible, the adhesive should be applied in a horizontal position; applying it in a vertical position might lead to problems.
- If too much adhesive is used, removing the excess material is time-consuming.
- If the adhesive layer is too thick or too thin, the stability of the bond will be affected!
- Suitable dosing aids facilitate the exact and cost-efficient application of the adhesive.

5.1 Applying the adhesive BEFORE constructing the whole object:

Medium-viscosity adhesive (Verifix® MV 760, MV 760VIS, B-678, B-690 and B-682-T) is applied before assembling the construction. For surface bonding (B690-0 and B 678-0), the adhesive is always applied before joining the parts.

- When bonding horizontally, a perfect bond without air bubbles is achieved by carefully and evenly lowering the object.
- For edge bonding, the net weight of the bonding parts is sufficient for spreading the adhesive over the entire bonding surface.

5.2 Applying the adhesive AFTER assembling the construction:

Low viscosity adhesive (Verifix® LV 740, Verifix® LV 740VIS and Verifix® B-665-0) enters the bonding joint by capillary action. That is why the parts to be bonded can be assembled in their final position before applying the adhesive.

- For multiple-part objects, make sure the adhesive is applied on the bonding joints one by one (not all at once).
- Before curing the bond, bonding parts should be lifted briefly and lowered again (open and close the bonding joint) in order to guarantee the optimum distribution of the adhesive.

6. Curing (light exposure) - General Information:

Use suitable UV lamp for curing:

The lamp must not be smaller/shorter than the bonding joint in order to avoid tensions in the joint due to irregular light exposure.

- During light exposure (curing) position the lamp as closely as possible to the bonding joint.
- Under no circumstances must the object be moved or exposed to vibrations (use fixing aid).
- All Bohle UVA hand lamps are equipped with special filter screens to avoid injuries to eyes and skin, etc.
- For your own safety, appropriate equipment must be worn when working with UV lamps. Please be aware of the manufacturer's instructions. (The use of appropriate safety equipment is recommended when working with UV lamps.)

Curing is done in 2 steps:

1. During pre-curing, processing strength is achieved (approx. 30% of final strength). Then excess adhesive outside the bonding joints can be easily removed.

- Pre-curing can take between 10 seconds and approx. 2 minutes, depending on the type of lamp. After pre-curing, remove fixing aids and clean objects of possible excess adhesive using Bohle special cleaner, a glass scraper or steel wool, fineness no. 00.

2. Final curing:

Depending on the type of lamp, this can take between 60 seconds and approx. 5 minutes.

- Excessive light exposure has neither negative nor positive effects on the stability of the bond.
- After final curing and an additional resting time of 24 hours, the bond has reached its full functionality and load capacity.

7. Test Bonds:

If you are not sure about the ideal bonding requirements, always conduct a bonding test: Bond the object according to the instructions above.

- Afterwards load the object beyond the intended load capacity, e.g. impacts, tilting or jerky movements, use tools if necessary (e.g. pliers, etc.)
- Load until deformation/break in order to determine the load limit.
- If you have problems or questions concerning certain bonding options, our Bohle experts are happy to assist you any time!

Disclaimer:

The preceding information as well as any technical recommendation given in writing, verbally or based on tests is provided to the best of our knowledge. However, these are non-binding recommendations only and do not affect your responsibility to determine the correctness of given recommendations and the suitability of the product for your particular processes and purposes. The application, use or processing of our products as well as the production of products based on our technical recommendations are beyond our control and therefore fall exclusively within your area of responsibility. Sales of our products are subject to our most updated General Sales and Delivery Conditions.

Application Needles and Accessories

When working with UV adhesives regularly, applying the correct amount of adhesive is particularly important, not only for the durability of the bond, but also for cost reduction. The Bohle product portfolio includes application needles of different diameters in line with the respective viscosities of the UV adhesives.

▶ Application Needle Set with Adaptor



Set of one adaptor with 5 application needles

i Diameter 0.33 · 0.41 · 0.58 · 0.84 · 1.37 mm

Art. No.	Description
BO 5209319	Application Needle Set with Adaptor

▶ Needle Adaptor



Fits all Bohle UV adhesive bottles (except for 1 litre container)

Art. No.	Description
BO 5209320	Needle Adaptor

▶ Application Needles



For UV adhesives · for use with adaptor BO 5209320 only

Art. No.	Colour · Diameter · For adhesive
BO 5209304	orange · 0.33 mm · B 665-0 / LV 740 / LV 740 VIS
BO 5209305	blue · 0.41 mm · B 665-0 / LV 740 / 420 VIS / LV 740 VIS
BO 5209306	pink · 0.58 mm · B 678-0 / B 690-0
BO 5209307	green · 0.84 mm · B 678-0 / B 690-0
BO 5209308	amber · 1.37 mm · B 682-T / MV 760 / MV 760 VIS
BO 5209309	olive · 1.6 mm · 682-T / MV 760 / MV 760 VIS

▶ Empty Bottle



For UV adhesive

i Bottle 100 g

Art. No.	Bottle · Description · Colour
BO 5209318	100 g
BO 5209338	Cap · white
BO 5209339	Cap · black

Metering Systems

The Verifix® 900E metering system is suited to all kinds of serial bonds or industrial applications. Precise dosing saves you tedious final cleaning, especially as far as medium-viscosity UV adhesives are concerned. The time control mechanism enables repetitive, uniform dosing amounts, a foot switch guarantees comfortable handling.



Verifix® 900 E Metering Device



Suitable for both low and high viscosity liquids · adjustable dispensing intervals from 0.01 to 31 seconds · continuous switch and adjustable flow control · no dripping

Art. No.	Description
BO 5209380	900 E Metering Device

Please note:
Spare parts available on request!

This set comprises the following items:

BO 5209304	Application Needle 0.33 mm ø · orange	1 pc.
BO 5209305	Application Needle 0.41 mm ø · blue	1 pc.
BO 5209306	Application Needle 0.58 mm ø · pink	1 pc.
BO 5209307	Application Needle 0.84 mm ø · green	1 pc.
BO 5209308	Application Needle 1.37 mm ø · amber	1 pc.
BO 5209384	Cartridge · black · UV blocker · 10 cm³	1 bag
BO 5209385	Adaptor for cartridge BO 5209386	1 pc.
BO 5209399	Application Brush	1 pc.
BO 5209386	Cartridge · transparent · with UV blocker · 10 cm³	1 bag
BO 5209387	Cap	1 bag

05 | Curing

Bohle offers a comprehensive portfolio of UVA lamps for curing UV adhesives. Always select your lamp according to the bonding size/surface in order to achieve a uniform exposure of the bonding surfaces. In this way, extreme tensions within the bonding joint are avoided which might lead to the failure of the bond. The lamps are especially suitable for metal bonds and short bonding distances. For longer bonding distances, tube lamps of an appropriate size should be used to minimise tensions. All Bohle UVA lamps are equipped with special filter screens. The lamps must only be run with intact filters in order to avoid injuries to skin and eyes.

UVA Tube Lamps

The product portfolio includes tube lamps of different lengths. In this way, almost all glass/glass bonds can be cured tension-free. Light bulbs and protective tubes can easily be exchanged in most models if necessary, so that the lamps can be used for many years.

▶ Verifix® UVA-Star 500, 1110, 1410



The new series of Verifix® UVA-Star tube lamps combines the latest technology with a new design. The "T8" tubes excel thanks to their elevated UVA performance and at the same time save electricity. The high quality electronic ballast is now integrated into the lamp housing, which makes these UVA lamps even more convenient to handle. All lengths are available with either 120 or 230 Volts. As before, the protective tube or the bulb can be exchanged quickly and easily. The new Verifix® UVA-Star tube lamps reach their full capacity after a short warm-up time of 180 sec. They are white light lamps with wave lengths between 315 - 400 nm, they are also suitable for curing UVA and light curing acrylate adhesives. The Verifix® UVA-Star tube lamps are particularly suited for the tension free curing of longer bonding edges in glass/glass bonding. Also bonding edges which are longer than 1410 mm can be cured tension free by putting together several tube lamps.

Art. No.	Version
BO 5500380	Verifix® UVA-Star 500, 230 volts, 18 watts, working length 500 mm
BO 5500381	Verifix® UVA-Star 500, 120 volts, 18 watts, working length 500 mm
BO 5500382	Spare lamp for Verifix® UVA-Star 500
BO 5500383	Acrylic protective tube for Verifix® UVA-Star 500
BO 5500385	Verifix® UVA-Star 1110, 230 volts, 36 watts, working length 1110 mm
BO 5500386	Verifix® UVA-Star 1110, 120 volts, 36 watts, working length 1110 mm
BO 5500387	Spare lamp for Verifix® UVA-Star 1110
BO 5500388	Acrylic protective tube for Verifix® UVA-Star 1110
BO 5500390	Verifix® UVA-Star 1410, 230 volts, 58 watts, working length 1410 mm
BO 5500391	Verifix® UVA-Star 1410, 120 volts, 58 watts, working length 1410 mm
BO 5500392	Spare lamp for Verifix® UVA-Star 1410
BO 5500393	Acrylic protective tube for Verifix® UVA-Star 1410
BO 5500399	End Cap

UV LED Lamps



UV-LED Lamp Twin LED Verifix®



The new "Twin LED" UV-LED lamp is suitable for bonds with a diameter of approx. 120 mm. The lamp achieves an even distribution of light intensity over the entire surface, which enables tension-free bonds. The size of the cone of light can be adjusted via the distance of the lamp to the bonding joint. The "Twin LED" is equipped with two integrated LEDs. This offers the possibility to switch between the wavelengths of 365 nm and 395 nm. That is why the lamp can be used both for UVA and light curing adhesives. In addition, curing both through UV transmitting glass, such as float glass or tempered glass, or UV absorbing glass like laminated safety glass or coloured float glass is possible. The "Twin LED" is small, handy and lightweight. It is ideally suited for bonding metal parts. The lamp operates silently and does not become hot over time, which enables convenient handling. The integrated battery makes the "Twin LED" a mobile device, independent from a specific work place. In particular complicated bonds, such as bonding metal parts to already finished objects, for example showcases which can hardly be moved anymore, can now be carried out easily and conveniently. If the construction site is still a shell construction, the previous installation of power lines is no longer necessary. Battery performance is constantly monitored. As soon as the battery is too weak to supply the LED with sufficient energy, the LED switches off automatically. If the LED lamp is permanently operated, the battery life amounts to approx. 2 hours. The display of the "Twin LED" continues working until the battery is finally empty. The battery can be charged with the supplied power cable. The LED can be used while charging. After switching it on, the "Twin LED" is immediately ready for use. The device is operated with four keys. Different curing times can be programmed via 3 timers. The lamp is also additionally endowed with a stop watch function. When used stationary, the "Twin LED" is equipped with several screw fixing points for connecting a tripod, for example. Please note: Very high performance, short curing times!

i Dimensions 125 x 40 x 70 mm · Weight approx. 600 g · Wavelength 365 nm, 395 nm · Battery life approx. 2 hours when LED is permanently operated · Mains voltage 100 - 240 V, 50 - 60 Hz



Included in delivery:

UV lamp supplied in carrying case with foam padding
Battery Pack (already inside the device)
Charger

08

Glass Bonding

Art. No.	Description
BO 5500355	Verifix® "Twin LED" UV-LED Lamp
SP BT5559	Spare battery

UVA Lamps

UV hand lamps are especially suitable for bonding metal parts to glass as well as for small glass objects with short bonding distances, also for industrial or serial applications. The lamps excel due to their very short curing times.

▶ UVA Hand Lamp UVAHAND 250

For use when bonding metal parts and smaller surfaces · integrated operating hours counter · spacers as protection against overheating · integrated cooling fan · special filter screen · For curing UVA and light curing adhesives · with filter screen · ideal for bonding metal parts and smaller surfaces



Art. No.	Version · Description · Application:
BO 5209404	230 Volt, 250 Watt · white light
BO 5209415	230 Volt, 250 Watt · black light
BO 5209416	white light · Volt 110 · Hz 60
BO 5209406	Spare H1 filter screen with frame · white light
BO 5209407	Spare fluorescent tube 250 F
BO 5209408	Spare filter screen with frame · black light
BO 5209414	Thermal fuse
BO 5209412	Spare casing · right and left hand side

▶ UVA Hand Lamp

For curing UVA and light curing adhesives · with filter screen · ideal for bonding metal parts and smaller surfaces

i Version 230 volts · 100 watts



Art. No.	Version
BO 5500310	UVA Hand Lamp
BO 5500311	Spare fluorescent tube UV 150 F
BO 5500312	Spare H1 filter screen

Accessories

▶ UVA Measuring Device



For measuring the intensity of UVA tube and hand lamps · suitable for UVA and UVB range · For testing the UVA transmittance of glass.

Art. No.	Measuring range
BO 5500300	0 - 200 mW/cm ²

Please note:

Ensure stable process reliability by regularly checking your UVA lamps!

▶ Protective Glasses Premium



UV protective glasses according to EN 170 · grey viewing glasses, scratch-resistant and anti-fog (special anti-fog coating) · adjustable arms · supplied with holding strap

Art. No.	Description
BO 5007613	Protective Glasses

▶ Case



For UVA hand lamps · light grey

❗ Size 396 x 296 x 315 mm

Art. No.	For
BO 5209409	BO 5209404 / 5209415
BO 5500315	BO 5500310

06 | Glass Bonding Kits

Glass Bonding Kits

The Bohle Verifix® Glass Bonding Kits offer complete basic equipment for the fixing and bonding of small to medium-sized glass parts. From beginner's to professional kits: Bohle quality tools are included, and, of course, also the suitable UVA lamp. Clearly arranged and well protected in a sturdy carrying case, all the essentials that you need, like a curing lamp, fixing aids, and accessories, are always right at hand. Also ideal for portable use.

▶ Professional Kit with Verifix® Fixing Devices and UVA Tube Lamp

Professional kit for UV bonding. Ideally suited for the construction of display cabinets and glass furniture.



Please note:

The required chemical products (cleaners, adhesives, etc.) have to be ordered separately.

Art. No.	Version
BO 5500372	Standard version
BO 5500374	110V export version

This set comprises the following items:

BO 5141000	Glass Scraper, metal	1 pc.
BO 5141001E	Spare Blades, reinforced back	1 box
BO 5141605	Steel Wool, fineness 00	1 pc.
BO 5209305	Application Needle 0.41 mm ø · blue	1 pc.
BO 5209306	Application Needle 0.58 mm ø · pink	1 pc.
BO 5209307	Application Needle 0.84 mm ø · green	2 pcs.
BO 5209308	Application Needle 1.37 mm ø · amber	2 pcs.
BO 5209320	Needle Adaptor	2 pcs.
BO 5209470	UVA Star "Light", 230 volts	1 pc.
BO 639.0	Verifix® Pro Angle Suction Holder	1 pc.
BO 636.0	Verifix® Clamping Device for 3 - 10 mm glass	1 pc.
BO 636.1	Verifix® Clamping Device for 6- 19 mm glass	1 pc.
BO 637.1	Eccentric Suction Stopper	4 pcs.
BO 638.0	Verifix® Pump-activated Angle Suction Holder	2 pcs.
BO 5007510	Dermatril Disposable Gloves	1 box
BO 5007613	Protective Glasses	1 pc.



Professional UV Bonding Kit

Professional UV bonding kit · ideal for quick and efficient bonding of glass to metal or for bonding small glass objects.



Art. No.	Description
BO 5500371	Professional UV Bonding Kit

Please note:

The required chemical products (cleaners, adhesives, etc.) have to be ordered separately.

This set comprises the following items:

BO 5209404	UV Hand Lamp, 230 volts	1 pc.
BO 5209320	Needle Adaptor	1 pc.
BO 5209307	Application Needle 0.84 mm ø · green	2 pcs.
BO 5209308	Application Needle 1.37 mm ø · amber	2 pcs.
BO 5141605	Steel Wool, fineness 00	1 pc.
BO 5141000	Glass Scraper, metal	1 pc.
BO 5141001E	Spare Blades, reinforced back	1 box
BO 5007510	Dermatril Disposable Gloves	1 box



Beginner's Kit for UV Bonding

For those who only need to bond glass occasionally or who want to try this technology at low cost · packed in a practical plastic case



Art. No.	Description
BO 5500373	Beginner's Kit for UV Bonding

Please note:

The required chemical products (cleaners, adhesives, etc.) have to be ordered separately.

This set comprises the following items:

BO 5209450	UVA Hand Lamp H9	1 pc.
BO 5209308	Application Needle 1.37 mm ø · amber	1 pc.
BO 5209320	Needle Adaptor	1 pc.
BO 5141000	Glass Scraper, metal	1 pc.
BO 5141001E	Spare Blades, reinforced back	1 box
BO 5141605	Steel Wool, fineness 00	1 pc.
BO 5007613	Protective Glasses	1 pc.
BO 5007510	Dermatril Disposable Gloves	1 box

07 | Furniture Fittings for UV Bonding

Due to its transparency and luminosity, glass has always been a favoured material when building furniture. Glass has been used to an increasing extent in recent years. Today a large range of all-glass furniture is available in different designs. Thanks to glass bonding technology, drill holes or cutouts in the glass are no longer required, which makes glass production easier and cheaper. The high product quality together with professional, application-specific advice makes using this technology very easy, increases turnover and aids future competitiveness. The comprehensive range of Bohle fittings for UV bonding in glass furniture construction includes hinges, shelf supports, door knobs, castor rollers, turntable bearings, table legs and much more.

Glass Door Hinges, glass/glass

The following hinges for mounting glass doors to a glass carcass do not require additional drill holes or cutouts in the glass. Hinges for inset and overlay doors are available in different designs.



Cristallo Fix Hinge Set



With Cristallo Fix, Bohle has developed a hinge which enables glass doors to be bonded to glass cabinets and which can also be adjusted in three dimensions. The technically sophisticated product with an opening angle of 125° is equipped with a damper with spring closing mechanism and is equally suitable for inset or overlay doors. Instead of a conventional cross plate mounting, this new product uses a cabinet bonding plate with snap-on function which was specifically developed for this purpose · infinitely adjustable · with integrated damping technology



i Mounting glass/glass · Adjustment dimensions max. height / depth / width $\pm 2 / 3 / 4$ mm · For inset and overlay doors · Opening angle 125 ° · For the load capacity, see image in kg

Art. No.	Description · Sales unit
BO 5206060	Cristallo Fix Hinge Set · 1 item

This set comprises the following items:

BO 5206061	Bonding Plate	1 pc.
BO 5206064	Hinge Arm	1 pc.
BO 5206065	Cover Cap	1 pc.
BO 5206066	Damper	1 pc.
BO 5206051	Bonding Plate	1 pc.

▶ Cristallo Fix Glass/Glass Hinge (Individual Parts)



Art. No.	Version · Sales unit · Length · Width · Finish
BO 5206061	Bonding Plate 90 x 28 mm · 1 item
BO 5206064	Hinge Arm · 1 item
BO 5206065	Cover Cap · 1 item
BO 5206066	Damper · 1 item
BO 5206051	Bonding Plate · 1 item · 60 mm · 28 mm · matt nickel-plated
BO 5206052	Bonding Plate · 25 items · 60 mm · 28 mm · matt nickel-plated

▶ Bonding Plate for Mirror Doors Only

For use in humid environments, please apply Pyrosil® and Pyrosil® primer on both sides.



❗ Length 60 mm · Width 28 mm · Finish nickel-plated

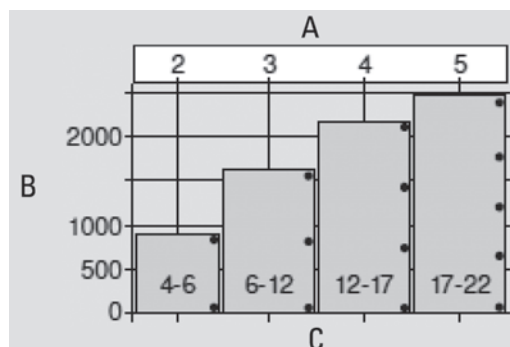
Art. No.	Version · Length · Width · Finish · Sales unit
BO 5206053	Bonding Plate · 60 mm · 28 mm · zinc nickel-plated · 1 item
BO 5206054	Bonding Plate · 60 mm · 28 mm · zinc nickel-plated · 25 items

Weight Table · Hinges

A = Number of hinges

B = Front height (mm)

C = kg



Cristallo Fix Dimensioning Table for Inset Doors

A = Bonding position: door adaptor

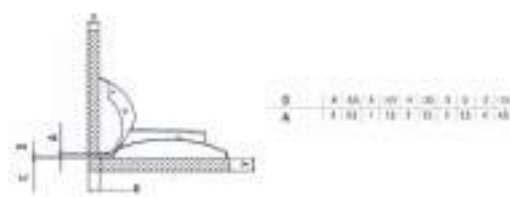
B = Bonding position: body adaptor

D = Approx. distance door to body

X = 5/6/8 mm

Y = 6/8/10/12/15 mm

B = X + 1 mm



Cristallo Fix Dimensioning Table for Overlay Doors

A = Bonding position: door adaptor

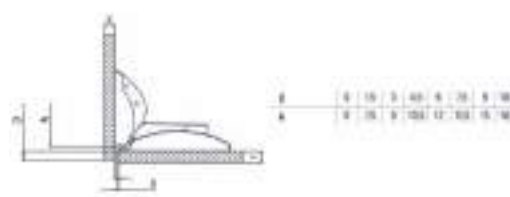
B = Bonding position: body adaptor

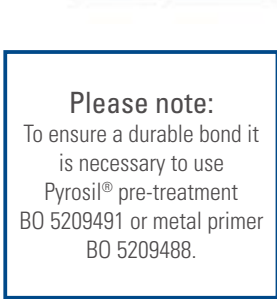
D = Approx. distance door to body

X = 5/6/8 mm

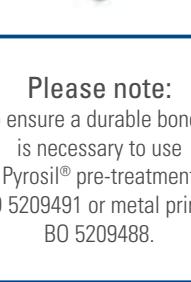
Y = 6/8/10/12/15 mm

B = 1 mm

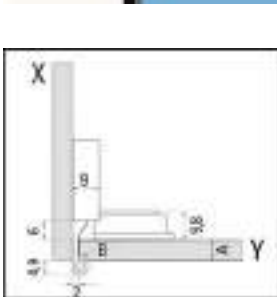




i Shape flat · Maximum load capacity per pair 10 kg · Packaging unit 2 items

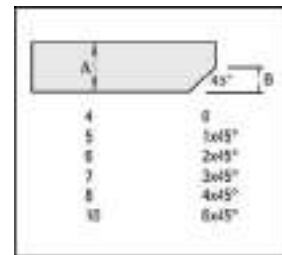
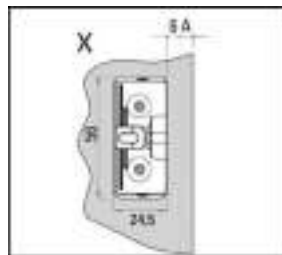


i Swing range 270 ° · Door weight per pair 7.5 kg · Packaging unit 1 item



• Opening angle 200 ° · Load capacity per pair 20 kg · Glass thickness 4 - 10 mm · Barrel visible 5 mm · Gap 2 mm
 · Lateral adjustment ± 2 mm · Height adjustment ± 2 mm · Depth adjustment ± 2 mm · With catch · Finish brushed ·
 Material stainless steel · Sales unit 1 item

Figure 1 shows three views of a mechanical part. The front view (X) shows a rectangular part with a central slot and a width of 24.5. The top view (Y) shows a rectangular part with a central slot and a width of 4.5. The side view (Z) shows a rectangular part with a central slot and a width of 4.5. The part is made of a material with a tensile strength of 100,000 psi.



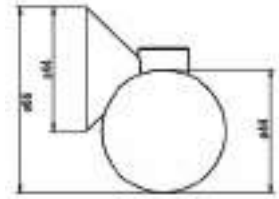


Conus Hinge, Made of Stainless Steel



For UV bonding · for the door a lateral overhang of at least 52 mm must be considered on the carcass

i For overlay doors · Glass thickness 6 - 15 mm · Opening angle 180 ° · Maximum load capacity per pair 30 kg · Diameter 44 mm · Packaging unit 1 item



Art. No.	Description
BO 5206251	Conus Hinge, Made of Stainless Steel

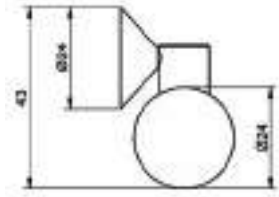


Conus Hinge, Made of Stainless Steel



For UV bonding · for the door a lateral overhang of at least 28 mm must be considered on the carcass

i For overlay doors · Glass thickness 6 - 10 mm · Opening angle 180 ° · Maximum load capacity per pair 10 kg · Diameter 24 mm · Packaging unit 1 item



Art. No.	Description
BO 5206252	Conus Hinge, Made of Stainless Steel

Practical Tip:

Door swings to the inside when opening, please carefully read the instruction manual included with the hinge.

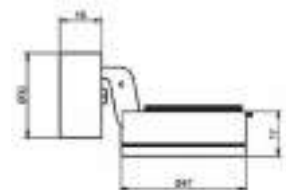


Glass Door Hinge Verifix® Clix 90°

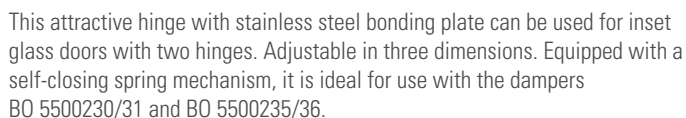


This hinge is a top quality stainless steel hinge for glass/glass mounting. Suitable for inset doors. It is adjustable in three dimensions and has a snap-on function for easy mounting and dismounting. Equipped with a self-closing spring mechanism, it is well suited for use with dampers BO 5500230/31 and BO 5500235/36.

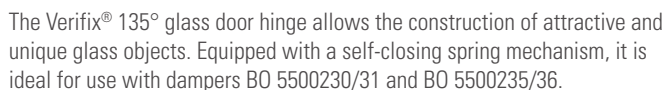
i Glass thickness 6 - 8 mm · Opening angle 90 ° · Maximum load capacity per pair 8 kg · Packaging unit 1 item



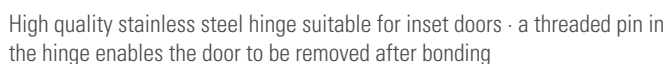
Art. No.	Description
BO 5206057	Glass Door Hinge



Art. No.	Description
BO 5206200	Glass Door Hinge

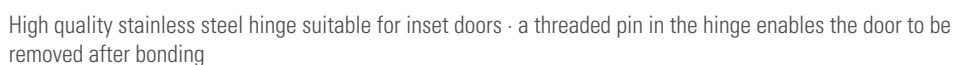


Art. No.	Description
BO 5206199	Glass Door Hinge



Technical drawing of a stepped shaft. The drawing shows a shaft with a diameter of $\varnothing 20$ and a total length of 18.5. A step is located at a distance of 10 from the right end. A small dimension of 2 is indicated at the left end.

Art. No.	Description
BO 5206260	Swing Hinge, round



Art. No.	Description
BO 5206261	Swing Hinge, round
BO 5206261B	with threaded pin in both hinges





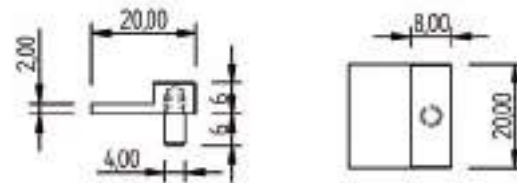
Swing Hinge square



High quality stainless steel hinge suitable for inset doors - a threaded pin in the hinge enables the door to be removed after bonding

i Shape square · Mounting glass/glass · Edge length 20 mm · Door weight max. 10 kg · Packaging unit 2 items

Art. No.	Description · Version
BO 5500281	Swing Hinge · square



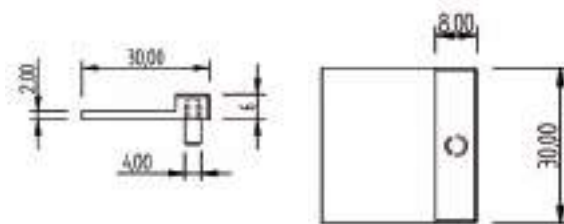
Swing Hinge square



High quality stainless steel hinge suitable for inset doors - a threaded pin in the hinge enables the door to be removed after bonding

i Shape square · Mounting glass/glass · Edge length 30 mm · Door weight max. 20 kg · Packaging unit 2 items

Art. No.	Description · Version
BO 5500283	Swing Hinge · square



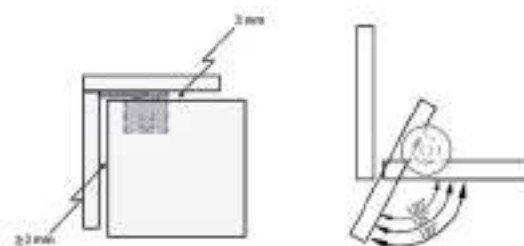
Swing Hinge bonded inside



High quality stainless steel hinge suitable for inset doors - after bonding the door cannot be removed again

i For inset doors · Mounting glass/glass · Door weight 5.5 kg · Packaging unit 2 items

Art. No.	Description · Version
BO 5500285	Swing Hinge · bonded inside



Glass Door Hinges, glass/wood

Glass and wood are often combined in furniture construction. For this reason, Bohle offers all glass door hinges for UV bonding in a glass/wood version.

▶ Cristallo Glass/Wood Hinge with Damping Mechanism or Cover Plate



The Cristallo hinge in the glass/wood version can be combined with damper system or cover plate · new damping technology · for inset or overlay glass doors · snap on/off function · cross mounting plate for wood

i Adjustment dimensions max. height / depth / width $\pm 2 / 3 / 4$ mm · Mounting Glass/wood · Opening angle 125 °
· For the load capacity, see image in kg

Art. No.	Version
BO 5206068	Cristallo Glass/Wood Hinge with Damping Mechanism and Cover Plate

This set comprises the following items:

BO 5206063	Cross mounting plate	1 pc.
BO 5206064	Hinge Arm	1 pc.
BO 5206065	Cover Cap	1 pc.
BO 5206066	Damper	1 pc.
BO 5206051	Bonding Plate	1 pc.

▶ Cristallo Hinge (Individual Parts)

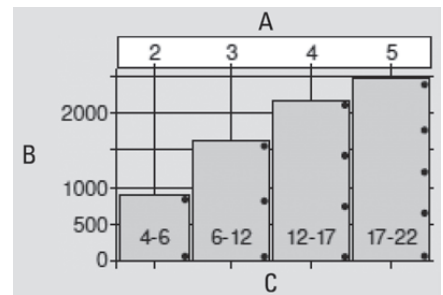
BO 5206053 and BO 5206054 for mirror doors only



Art. No.	Version · Sales unit · Length · Width · Finish
BO 5206063	Cross mounting plate
BO 5206064	Hinge Arm · 1 item
BO 5206065	Cover Cap · 1 item
BO 5206066	Damper · 1 item
BO 5206051	Bonding Plate · 1 item · 60 mm · 28 mm · matt nickel-plated
BO 5206053	Bonding Plate · 1 item · 60 mm · 28 mm · zinc nickel-plated
BO 5206052	Bonding Plate · 25 items · 60 mm · 28 mm · matt nickel-plated
BO 5206054	Bonding Plate · 25 items · 60 mm · 28 mm · zinc nickel-plated

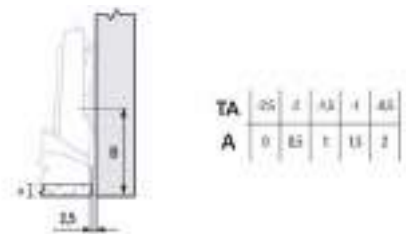
Weight Table · Hinges

A = Number of hinges
B = Front height (mm)
C = kg



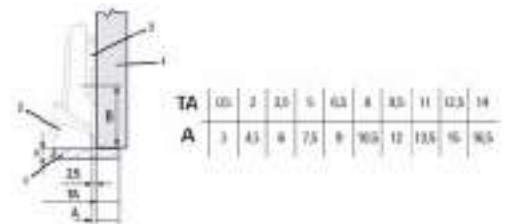
Cristallo Dimension Table for Inset Doors

TA = Distance door to body
A = Bonding dimensions
B = 38 + x



Cristallo Dimension Table for Overlay Doors

1 = Glass door
2 = Bonding plate
3 = Cross mounting plate
4 = Wood carcass
TA = Distance door to body
A = Bonding dimensions
B = 37

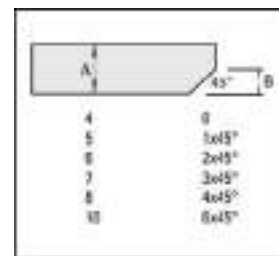
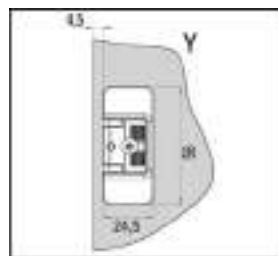
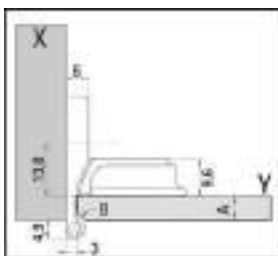


Hinge for Showcases, inset



i Opening angle 195 ° · Load capacity per pair 20 kg · Glass thickness 4 - 10 mm · Barrel visible 5 mm · Gap 3 mm · Lateral adjustment +2 mm · Height adjustment ±1 mm · With catch · Finish matt nickel-plated · Material diecast zinc · Version Bonding plate made of stainless steel · Sales unit 1 item

Art. No.	Description
BO 5205248	Hinge for Showcases, inset



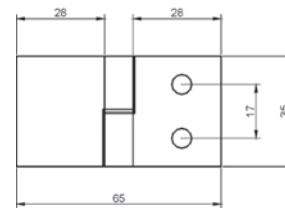


Flat Hinge



This polished aluminium hinge for inset doors is suitable for all glass thicknesses.

- For inset doors · Max. load capacity per pair 10 kg · Packaging unit 2 items
- Material thickness 2.65 mm



Please note:

To ensure a durable bond it is necessary to use Pyrosil® pre-treatment BO 5209491 or metal primer BO 5209488.

Art. No.	Application
BO 5206266	Stopper DIN right
BO 5206268	Stopper DIN left

Practical Tip:

Door swings to the inside when opening, please carefully read the instruction manual included with the hinge.



Glass Door Hinge Verifix® Clix 90°



This hinge is a top quality stainless steel hinge for glass-to-wood mounting, suitable for inset doors. It is adjustable in three dimensions and has a snap-on function for easy mounting and dismantling. Equipped with a self-closing spring mechanism, it is ideal for use in combination with the dampers BO 5500230/31 and BO 5500235/36.

- Glass thickness 6-8 mm · Max. load capacity per pair 8 kg · Packaging unit 1 item

Art. No.	Description
BO 5206058	Glass Door Hinge

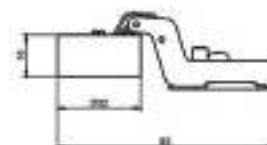


Glass Door Hinge Verifix® 90°



The well known Verifix® hinge is now also available in a glass/wood version · for inset doors · It can be adjusted in three dimensions and is equipped with a spring latch, ideal for use in combination with the dampers BO 5500230/31 and BO 5500235/36.

- For inset doors · Glass thickness 6-8 mm · Max. load capacity per pair 8 kg
- With spring latch · Packaging unit 1 item



Art. No.	Description
BO 5206055	Glass Door Hinge



Swing Hinge round



Stainless steel · threaded pin in the hinge enables the door to be removed after bonding · for inset doors

i For inset doors · Height 18.5 mm · Max. load capacity per pair 10 kg · Glass thickness up to 12 mm · Packaging unit 2 items



Art. No.	Description · Version
BO 5206262	Swing Hinge · round



Swing Hinge round



Stainless steel · threaded pin in the hinge enables the door to be removed after bonding · for inset doors

i For inset doors · Height 24.5 mm · Glass thickness up to 12 mm · Max. load capacity per pair 20 kg · Packaging unit 2 items



Art. No.	Description · Version
BO 5206263	Swing Hinge · round



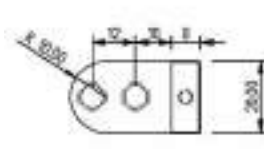
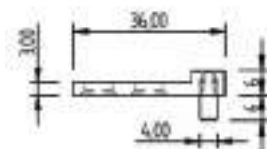
Swing Hinge square



High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

i For inset doors · Shape square · Mounting glass/wood · Edge length 20 mm · Door weight per pair max. 10 kg · Packaging unit 2 items

Art. No.	Description · Version
BO 5500282	Swing Hinge · square





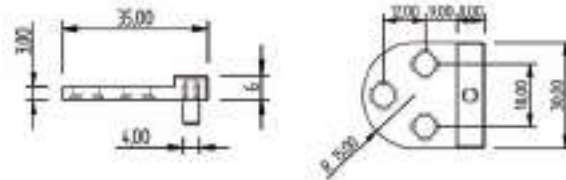
Swing Hinge square



High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

i For inset doors · Shape square · Mounting glass/wood · Edge length 30 mm · Door weight per pair max. 20 kg · Packaging unit 2 items

Art. No.	Description · Version
BO 5500284	Swing Hinge · square



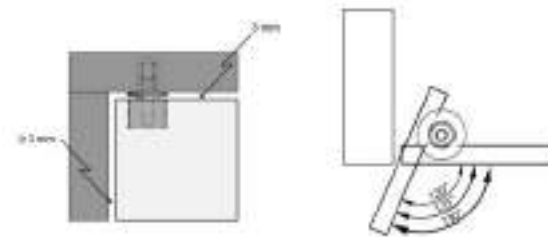
Swing Hinge bonded inside



High quality stainless steel hinge suitable for inset doors · after bonding the door cannot be removed again

i For inset doors · Mounting glass/wood · Door weight per pair max. 5.5 kg · Packaging unit 2 items

Art. No.	Description · Version
BO 5500286	Swing Hinge · bonded inside



Glass Door Locks

If not specified otherwise, the locks are supplied with universal key. They are available with individual key upon request.

▶ Glass Bonding Lock Symo



For UV bonding · made of stainless steel · Please note: Receiving element and cylinder have to be ordered separately.
· Can be retrofitted to finished objects or tempered glass door systems.

i Glass thickness 4 - 15 mm · Sales unit 1 item

Art. No.	Description · Accessories
BO 5500225	Glass Bonding Lock · for use on left side · stainless steel
BO 5500226	Glass Bonding Lock · for use on left side · aluminium
BO 5500227	Glass Bonding Lock · for use on right side · stainless steel
BO 5500228	Glass Bonding Lock · for use on right side · aluminium
BO 5500221	Receiving element · single door · glass/wood
BO 5500222	Receiving element · double door · glass/glass · bolt lock mechanism required
BO 5500223	Receiving element · single door · glass/glass
BO 5500224	Cylinder · universal key
BO 5500229	Cylinder · individual key

▶ Lock for Single Inset or Overlay Doors



For UV bonding · stainless steel · universal key · please indicate glass thickness when ordering · The lock is suitable for right and left handed doors as both bolt and lock cylinder can be turned around by loosening the screw.

i Diameter 35 mm · Glass thickness 6 - 15 mm · Drill hole in glass ø 25 mm · Packaging unit 1 item

Art. No.	Description
BO 5206240	Lock for Single Inset or Overlay Doors



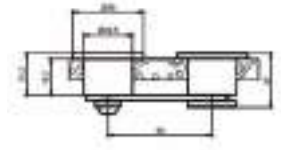


Lock for Double Doors



For UV bonding · stainless steel · universal key · bolt lock mechanism BO 5206259/58 is required · The lock is suitable for right and left handed doors as both bolt and lock cylinder can be turned around by loosening the screw.

i Diameter 35 mm · Drill hole in glass 25 mm Ø · Glass thickness 6 - 15 mm · Packaging unit 1 item



Art. No.	Description
BO 5206242	Lock for Double Doors

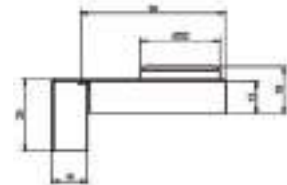


Lock for Single Inset Doors



For UV bonding · stainless steel · universal key · for showcases · Can be retrofitted to finished objects or tempered glass door systems · The key can only be removed after locking.

i Height 39 mm · Glass thickness 6 - 12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206281	Lock for Single Inset Doors

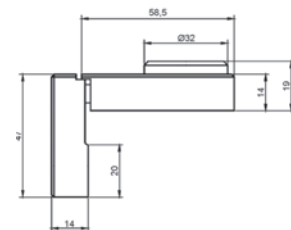


Lock for Single Overlay Doors



For UV bonding · stainless steel · universal key · for showcases · can be retrofitted to finished objects or tempered glass door systems · The key can only be removed after locking.

i Height 39 mm · Glass thickness 6 - 12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206282	Lock for Single Overlay Doors

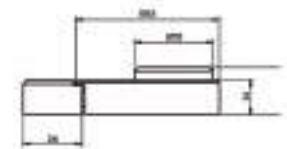


Lock for Double Doors



For UV bonding · universal key · stainless steel · suitable for all glass thicknesses · bolt lock mechanism BO 5206258/59 is required · can be retrofitted to finished objects or tempered glass door systems · The key can only be removed after locking.

i Height 39 mm · Glass thickness 6-12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206283	Lock for Double Doors



Spare Key

For locks BO 5206281, BO 5206282 and BO 5206283, universal key, key sold singly



i Sales unit 1 item

Art. No.	Description
BO 5206284	Spare Key

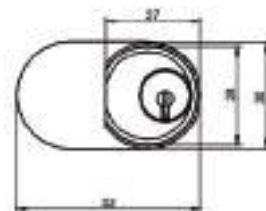


Lock for Single Inset Doors

For UV bonding · Can be retrofitted to finished objects or tempered glass door systems · universal key



i Diameter 28 mm · Glass thickness 5 - 12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206278	Lock for Single Inset Doors

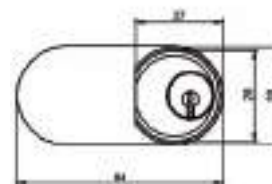


Lock for Single Overlay Doors

For UV bonding · Can be retrofitted to finished objects or tempered glass door systems · universal key



i Diameter 28 mm · Glass thickness 5 - 12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206279	Lock for Single Overlay Doors

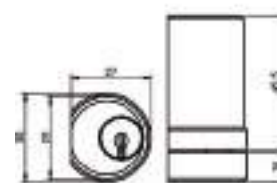


Lock for Double Doors

For UV bonding · Can be retrofitted to finished objects or tempered glass door systems · suitable for all glass thicknesses · bolt lock mechanism
BO 5206258/59 required · universal key



i Diameter 28 mm · Glass thickness 5 - 12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206280	Lock for Double Doors



Glass Door Lock, Stainless Steel, glass / wood

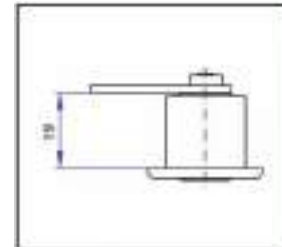
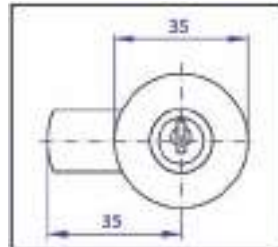


For UV bonding · suitable keep BO 5206376



i Closing angle 180 ° · Drill hole in glass ø 25 mm · Material Lock nickel-plated · Sales unit 1 item

Art. No.	Version
BO 5206374	universal key
BO 5206375	individual key
BO 5206376	Keep



Accessories

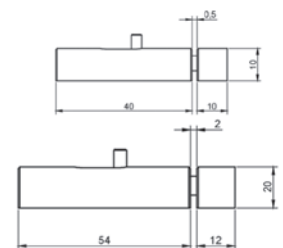


Shoot Bolt Lock Mechanism

For UV bonding · stainless steel · to secure the slave door on a set of double doors



i Packaging unit 1 item



Art. No.	Diameter · Total length
BO 5206258	10 mm · 50 mm
BO 5206259	20 mm · 68 mm

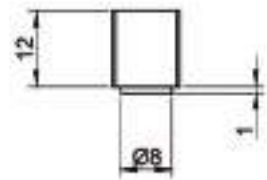


Magnetic Latch

For UV bonding · stainless steel · for single doors · magnetic locking force 2 kg



i Diameter magnetic plate 8 mm · Packaging unit 1 item · Length 11 mm · Width 12 mm · Height 12 mm



Art. No.	Description
BO 5206254	Magnetic Latch



Magnetic Latch

For UV bonding · stainless steel · for double doors · magnetic locking force 2 kg



i Diameter magnetic plate 8 mm · Packaging unit 1 item · Length 30 mm · Width 12 mm · Height 12 mm

Art. No.	Description
BO 5206255	Magnetic Latch



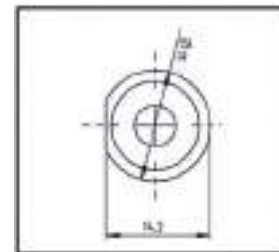
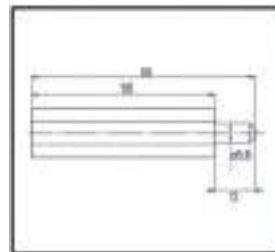
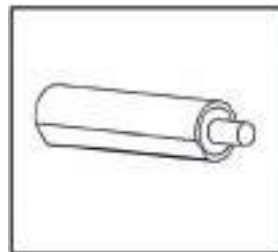
Dampers for Glass Bonding, round

Main areas of application: for damping glass doors with hinges with self-closing spring mechanisms · damping of drawers made of glass or wood · can be retrofitted to existing glass products



i Packaging unit 1 item

Art. No.	Damping force
BO 5500230	soft
BO 5500231	strong



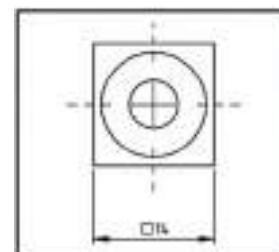
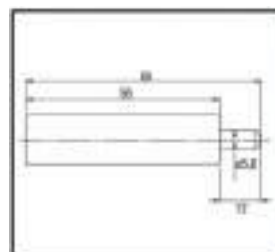
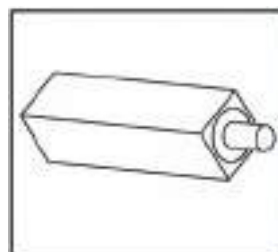
Dampers for Glass Bonding, square

Main areas of application: for damping glass doors with hinges with self-closing spring mechanisms · damping of drawers made of glass or wood · can be retrofitted to existing glass products



i Packaging unit 1 item

Art. No.	Damping force
BO 5500235	soft
BO 5500236	strong





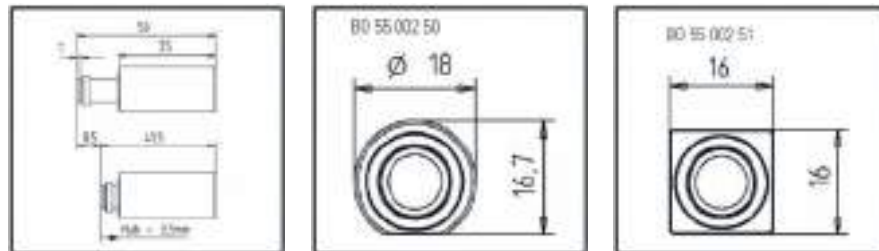
Pushbutton Magnetic Latch



The pushbutton magnetic latches are suitable for glass doors or drawers whose fittings are not self-closing, i.e. without spring closing mechanisms. The magnetic latch must be positioned opposite the hinge (at the side where the door swings open). It does not matter whether the latch is placed closer to the top or to the bottom.

i Packaging unit 1 item

Art. No.	Version
BO 5500250	round
BO 5500251	square

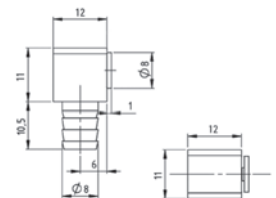


Magnetic Latch for Wooden Cabinets

Includes screw and plug-in sleeve · magnetic locking force 2 kg each



i Version for single doors · Diameter magnetic plate 8 mm · Material stainless steel · Packaging unit 1 item · Length 18 mm · Width 11 mm · Height 11 mm



Art. No.	Description
BO 5206294	Magnetic Latch for Wooden Cabinets

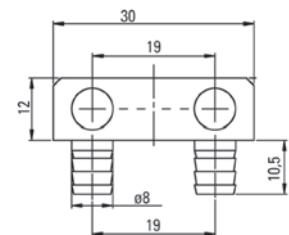


Magnetic Latch for Wooden Cabinets

Includes screw and plug-in sleeve · magnetic locking force 2 kg each



i Version for double doors · Diameter magnetic plate 8 mm · Material stainless steel · Packaging unit 1 item · Length 30 mm · Width 12 mm · Height 12 mm



Art. No.	Description
BO 5206295	Magnetic Latch for Wooden Cabinets

Furniture Supports, Feet and Rollers

The product portfolio includes a wide array of table legs and furniture feet. Here you will find the right accessory for any application, whether for a small CD stand or a large showcase. In case of uneven floors, it is recommended you choose height adjustable feet in order to prevent the bond from being loaded irregularly.

▶ Shelf Support / Showcase Foot



Made of stainless steel · incl. 2 bonding plates, ø 50 mm and threaded rods
· supplied completely assembled · ideal as a shelf support, showcase foot or table leg when individually designing your glass furniture

i Diameter 40 mm · Packaging unit 1 item



Art. No.	Height
BO 5206111	120 mm
BO 5206112	220 mm
BO 5206113	320 mm
BO 5206114	420 mm

▶ Breakfast Bar Support



Vertical · for screw-fixing at the bottom, for bonding on top

i Diameter 50 mm · Height 200 mm · Maximum load capacity per piece 15 kg · UV bonding plate 49.5 mm Ø · Packaging unit 1 item

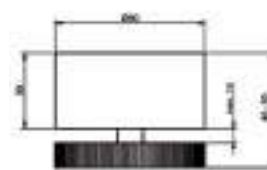
Art. No.	Version
BO 5500130	chrome-plated
BO 5500131	matt chrome-plated

▶ Showcase Foot



Ideal for showcases and TV furniture · sturdy construction · the perfect solution for precise adjustment of heavy glass furniture

i Height 40 mm · Diameter 60 mm · Height adjustable 10 mm · Packaging unit 1 item



Art. No.	Description
BO 5206157	Showcase Foot

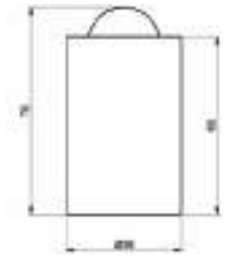


Furniture Foot



Sophisticated furniture foot of sturdy construction with nylon buffer · freely rotating when used as roller foot for moveable glass furniture

i Height 60 mm · Diameter 39 mm · Max. load capacity per piece 25 kg · Packaging unit 1 item



Art. No.	Description
BO 5206120	Furniture Foot

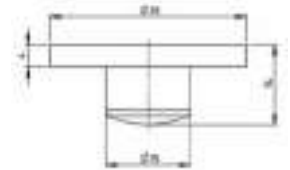


Furniture Foot Made of Stainless Steel



Small furniture foot with plastic glider · for UV bonding · versatile uses for small to medium-sized objects, e. g. CD stands

i Diameter 35 mm · Height 14 mm · Packaging unit 1 item



Art. No.	Description
BO 5500280	Furniture Foot Made of Stainless Steel



Distance Holders / Spacers



Stainless steel · suitable as foot · Ensure the distance holder/spacer is positioned correctly prior to bonding, as it is not possible to reposition afterwards

i Maximum load capacity per piece 15 kg · Packaging unit 12 items

Art. No.	Diameter · Height
BO 5200088	10 mm · 3.5 mm
BO 5200089	15 mm · 4 mm

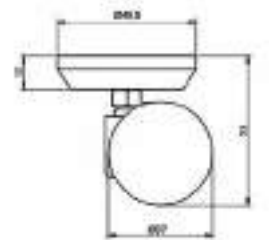


Castor Roller for Glass Furniture



Rollers made of black plastic · chrome-plated metal body · stainless steel bonding plate

i Diameter 49.5 mm · Thickness 12 mm · Roller diameter 37 mm · Max. load capacity per piece 50 kg · Thread M8 · Packaging unit 1 item



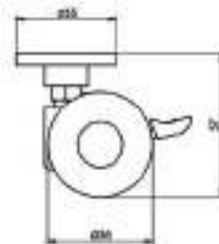
Art. No.	Description
BO 5206181	Castor Roller for Glass Furniture

▶ Castor Roller for Glass Furniture with Locking Device



Smooth running action due to rubber rollers · Stainless steel bonding plate

i Diameter 35 mm · Thickness 2.6 mm · Roller diameter 36 mm · Max. load capacity per piece 30 kg · Thread M8 · Packaging unit 1 item



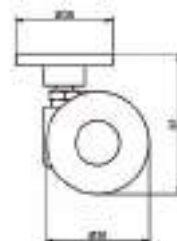
Art. No.	Description
BO 5206179	Castor Roller with Locking Device

▶ Castor Roller for Glass Furniture without Locking Device



Smooth running action due to rubber rollers · Stainless steel bonding plate

i Diameter 35 mm · Thickness 2.6 mm · Roller diameter 36 mm · Max. load capacity per piece 30 kg · Thread M8 · Packaging unit 1 item



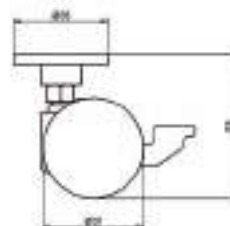
Art. No.	Description
BO 5206180	Castor Roller for Glass Furniture

▶ Castor Roller for Glass Furniture with Locking Device



Smooth running action due to rubber rollers · stainless steel bonding plate

i Diameter 35 mm · Thickness 4 mm · Roller diameter 37 mm · Max. load capacity per piece 40 kg · Thread M8 · Packaging unit 1 item



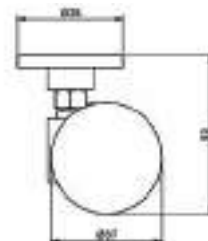
Art. No.	Description
BO 5206153	Castor Roller with Locking Device

▶ Castor Roller for Glass Furniture without Locking Device



Smooth running action due to rubber rollers · stainless steel bonding plate

i Diameter 35 mm · Thickness 4 mm · Roller diameter 37 mm · Max. load capacity per piece 40 kg · Thread M8 · Packaging unit 1 item



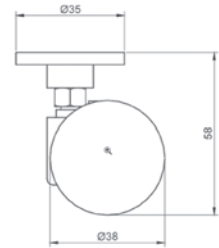
Art. No.	Description
BO 5206154	Castor Roller for Glass Furniture

▶ Castor Roller



Bonding plate made of stainless steel

i Diameter 35 mm · Thickness 4 mm · Maximum load capacity per piece 25 kg · Roller diameter 38 mm · Thread M8



Art. No.	Packaging unit
BO 5500801	4 items
BO 5500802	20 items

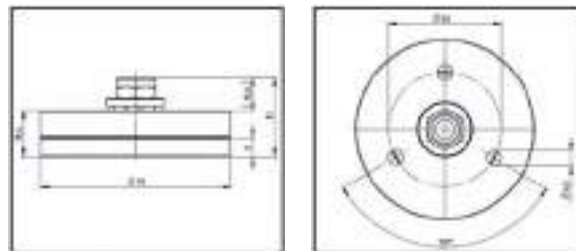
▶ Turntable Bearing



These bearings from Bohle are ideal for the construction of rotating glass objects (tabletops, TV stands, etc.). The solid construction with high-precision bearings provide a long service life even when subject to high demands. The bearings are entirely made of stainless steel and can be bonded with Bohle UV adhesives. When mounting, please ensure that the load is centred evenly · stainless steel · especially smooth running due to needle and ball-bearings · turntable bearing has 3 x Ø 6 mm bore holes and can be bonded to glass or screwed onto wood or metal · nut must be freely accessible · bore hole in base plate Ø 30 mm

i Glass diameter max. 800 mm · Max. load capacity approx. 120 kg · Packaging unit 1 item

Art. No.	Diameter
BO 5206183	80 mm



▶ Table Leg, Stainless Steel



For UV bonding · removable bonding plate made of stainless steel · plastic foot
· Note: Special lengths available on request.

i Diameter 60 mm · Height adjustment + 20 mm · Threaded pin M10 ·
Packaging unit 1 item



Art. No.	Height · Height adjustment
BO 5206158	740 mm · + 20 mm
BO 5206159	424 mm · + 20 mm
BO 5206160	690 mm · + 20 mm

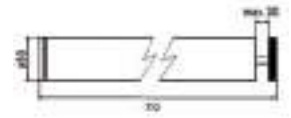


Table Leg, Stainless Steel

For UV bonding · Please order adaptor disc BO 5500109 separately.



i Height 710 mm · Diameter 80 mm · Height adjustment + 30 mm · Threaded pin M10 · Packaging unit 1 item



Art. No.	Description
BO 5500104	Table Leg, Stainless Steel
BO 5500109	Adaptor Disc for Table Legs, Stainless Steel



Table Leg, Corrugated Aluminium

For UV bonding · removable bonding plate made of stainless steel · plastic foot



i Height 720 mm · Bonding plate 85 mm Ø · Height adjustment + 25 mm · Thread M10 · Packaging unit 4 items · Diameter Table Leg 80 mm



Art. No.	Description
BO 5500108	Table Leg, Corrugated Aluminium

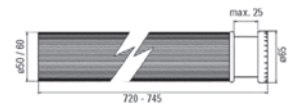


Table Leg, Corrugated Aluminium

For UV bonding · removable bonding plate made of stainless steel · plastic foot



i Height 720 mm · Bonding plate 65 mm Ø · Height adjustment + 25 mm · Threaded pin M10 · Packaging unit 4 items



Art. No.	Diameter
BO 5500106	60 mm
BO 5500105	50 mm

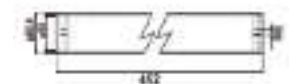


Table Post, Stainless Steel

For UV bonding · incl. removable adaptor plate made of stainless steel · base plates not included. Please order base plate BO 5500154 (ø 400 mm) or BO 5500155 (ø 500 mm) separately!



i Total height incl. base plate 470 mm · Diameter 60 mm · Thread M8 · Packaging unit 1 item



Art. No.	Description
BO 5500156	Table Post, Stainless Steel



Table Post, Stainless Steel



For UV bonding · incl. removable adaptor plate made of stainless steel · base plates not included. Please order base plate BO 5500154 (ø 400 mm) or BO 5500155 (ø 500 mm) separately!

i Total height incl. base plate 690 mm · Diameter 76 mm · Thread M8 · Packaging unit 1 item



Art. No.	Description
BO 5500158	Table Post, Stainless Steel



Table Post, Stainless Steel



For UV bonding · incl. removable adaptor plate made of stainless steel · base plates not included. Please order base plate BO 5500154 (ø 400 mm) or BO 5500155 (ø 500 mm) separately!

i Total height incl. base plate 1100 mm · Diameter 100 mm · Thread M8 · Packaging unit 1 item



Art. No.	Description
BO 5500159	Table Post, Stainless Steel

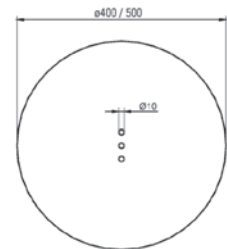


Base Plate



Base plate including stainless steel cover

i For table posts 60 / 76 / 100 mm Ø · Packaging unit 1 item



Art. No.	Diameter
BO 5500154	400 mm
BO 5500155	500 mm

Adaptor Discs

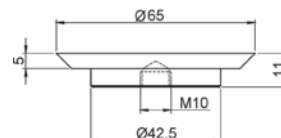
Connecting table legs, furniture feet or castor rollers with adaptor discs enables them to be disassembled again later on. In this way, these elements can easily be exchanged at all times in case of necessary repair work or changes in design.

▶ Adaptor Disc for Table Legs

For UV bonding · stainless steel · incl. threaded pin



i Diameter 65 mm · Thread M10 · For Table Leg 60 mm Ø · Packaging unit 1 item



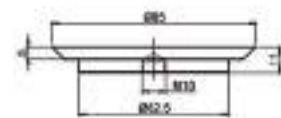
Art. No.	Description
BO 5206184	Adaptor Disc for Table Legs

▶ Adaptor Disc for Table Legs

For UV bonding · made of stainless steel



i Diameter 85 mm · Thread M10 · For Table Leg 80 mm Ø · Packaging unit 1 item



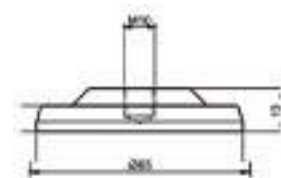
Art. No.	Description
BO 5206186	Adaptor Disc for Table Legs

▶ Adaptor Disc for Table Legs

For UV bonding · made of stainless steel



i Diameter 65 mm · Thread M10 · For Table Leg 50 + 60 mm Ø · Packaging unit 1 item



Art. No.	Description
BO 5500107	Adaptor Disc for Table Legs

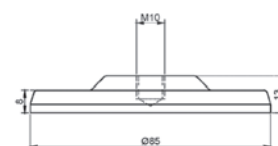


Adaptor Disc for Table Legs, Stainless Steel

For UV bonding · suitable for BO 5500108 + 04



i Diameter 85 mm · Thread M10



Art. No.	Description
BO 5500109	Adaptor Disc for Table Legs, Stainless Steel

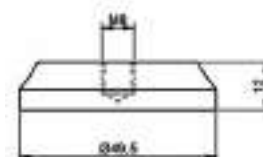


Adaptor Disc, Stainless Steel

Can also be used as a furniture foot · Suitable for different types of furniture rollers



i Diameter 49.5 mm · Thread M8 · Height 12 mm · Packaging unit 1 item



Art. No.	Description
BO 5206182	Adaptor Disc, Stainless Steel

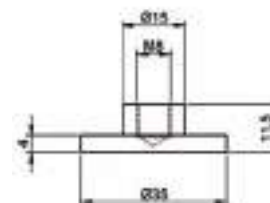


Adaptor Disc, Stainless Steel

Suitable for different types of furniture rollers



i Diameter 35 mm · Thread M8 · Thickness 4 mm · Packaging unit 1 item



Art. No.	Description
BO 5206155	Adaptor Disc, Stainless Steel

Glass Door Handles

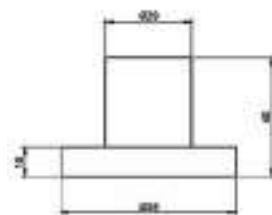
The comprehensive product range includes many different varieties, ranging from small to large and from round to square. Suitable for retrofitting to finished objects - no drill holes required.

Glass Door Knob



For UV bonding · with many application possibilities such as door knob, wardrobe hook or furniture foot · your glass object will obtain a sophisticated, individual touch

i Diameter 29/59 mm · Height 40 mm · Packaging unit 1 item



Art. No.	Material
BO 5500243	float glass
BO 5500244	low iron glass

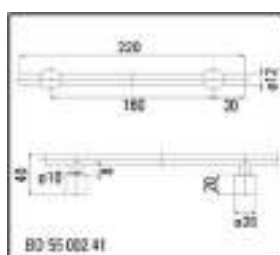
Rod Handle for UV Bonding

Timelessly elegant stainless steel handle for UV bonding · can be used for diverse applications, whether as a handle for glass doors or as a drawer handle



i Handle diameter 12 mm · Bonding spacers 20 mm Ø · Packaging unit 1 item · Material matt stainless steel

Art. No.	Handle length · C-C · Height
BO 5500241	220 mm · 160 mm · 40 mm
BO 5500242	400 mm · 340 mm · 40 mm

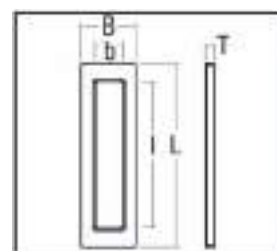


Finger Pull Handle for Bonding



Made of stainless steel in modern design, ideal for retrofitting, no glass processing required. Please note: For double-sided use, please order 2 pieces.

i Version for UV bonding · Depth 9 mm · Packaging unit 1 item



Art. No.	Finish · L · B · Inner length (l) · Inner width (b)
BO 5113756	matt stainless steel · 110 mm · 60 mm · 70 mm · 30 mm
BO 5113757	polished stainless steel · 110 mm · 60 mm · 70 mm · 30 mm
BO 5113765	matt stainless steel · 200 mm · 60 mm · 160 mm · 30 mm
BO 5113766	polished stainless steel · 200 mm · 60 mm · 160 mm · 30 mm

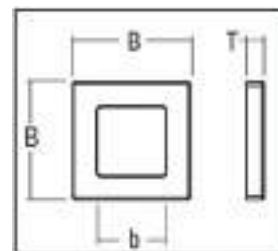


Finger Pull Handle square for Bonding



Made of stainless steel in modern design, ideal for retrofitting, no glass processing required. Please note: For double-sided use, please order 2 pieces.

i Version for UV bonding · Packaging unit 1 item



Art. No.	Finish · B · Inner width (b) · Depth
BO 5113773	matt stainless steel · 35 mm · 27 mm · 4 mm
BO 5113774	polished stainless steel · 35 mm · 27 mm · 4 mm
BO 5113780	matt stainless steel · 60 mm · 50 mm · 5 mm
BO 5113781	polished stainless steel · 60 mm · 50 mm · 5 mm

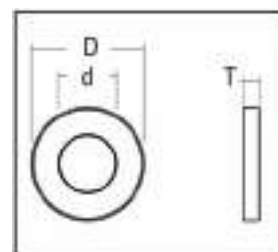


Finger Pull Handle for Bonding



Made of stainless steel in modern design, ideal for retrofitting, no glass processing required. Please note: For double-sided use, please order 2 pieces.

i Version for UV bonding · Packaging unit 1 item



Art. No.	Finish · D · d · Depth
BO 5113788	matt stainless steel · 35 mm Ø · 27 mm Ø · 4 mm
BO 5113789	polished stainless steel · 35 mm Ø · 27 mm Ø · 4 mm
BO 5113792	matt stainless steel · 45 mm Ø · 35 mm Ø · 5 mm
BO 5113793	polished stainless steel · 45 mm Ø · 35 mm Ø · 5 mm
BO 5113796	matt stainless steel · 65 mm Ø · 52 mm Ø · 7 mm
BO 5113797	polished stainless steel · 65 mm Ø · 52 mm Ø · 7 mm

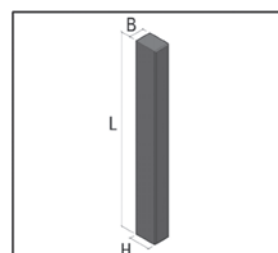


Handle



Made of stainless steel in modern design, ideal for retrofitting, no glass processing required. Please note: For double-sided use, please order 2 pieces.

i Version for UV bonding · Material stainless steel · Sales unit 1 item



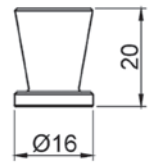
Art. No.	Length · Width · Height · Finish
BO 5113729	150 mm · 12 mm · 17 mm · matt
BO 5113730	150 mm · 12 mm · 17 mm · mirror polished
BO 5113731	150 mm · 12 mm · 8 mm · matt
BO 5113732	150 mm · 12 mm · 8 mm · mirror polished
BO 5113733	150 mm · 12 mm · 4 mm · matt
BO 5113734	150 mm · 12 mm · 4 mm · mirror polished



Door Knob, Stainless Steel



i Diameter 16 mm · Length 20 mm · Packaging unit 2 items



Art. No.	Description
BO 5206256	Door Knob, Stainless Steel

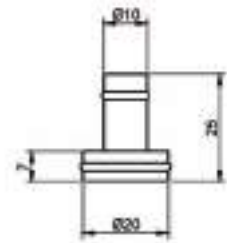


Door Knob, Stainless Steel



With rubber rings

i Bonding plate 20 mm Ø · Handle diameter 10 mm · Length 25 mm · Packaging unit 1 item



Art. No.	Description
BO 5206170	Door Knob, Stainless Steel

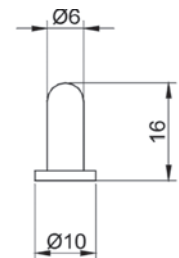


Door Knob, Stainless Steel

This door knob is ideal for small glass objects.



i Diameter 10 mm · Length 16 mm · Packaging unit 2 items



Art. No.	Description
BO 5206257	Door Knob, Stainless Steel



Door Knob, mini, square

This door knob is ideal for small glass objects.



i Length 30 mm · Width 12 x 12 mm · Packaging unit 1 item

Art. No.	Description
BO 5500245	Door Knob, mini, square

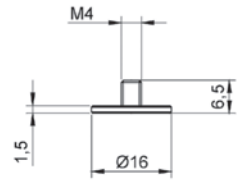


Door Knob Adaptor for UV Bonding



Stainless steel · to screw on door knobs · ideal to use on any individual door knob · whether on wood, plastic or plexiglass · now every knob can be used

i Diameter 16 mm · Thread M4 · Packaging unit 4 items



Art. No.	Description
BO 5206169	Door Knob Adaptor for UV Bonding

Showcase Shelf Supports

Bohle rounds off their product portfolio with a selection of glass shelf supports in different sizes. Choose the height adjustable versions in order to adjust shelves horizontally.

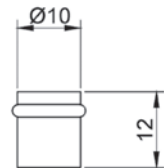


Glass Shelf Support / Door Stopper, Stainless Steel



With rubber ring · can also be used as door stopper · includes wood screw

i ø 10 mm · Height approx. 12 mm · Material stainless steel · Packaging unit 1 item · For wooden carcass · Load capacity per 4 pieces 20 kg



Art. No.	Description
BO 5206197	Glass Shelf Support / Door Stopper, Stainless Steel



Glass Shelf Support, Stainless Steel



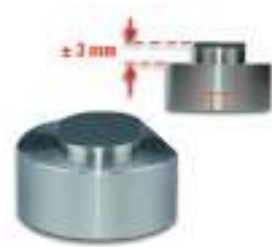
With rubber ring · not adjustable

i Diameter 20 mm · Thickness 7 mm · Max. load capacity per sales unit 40 kg · Packaging unit 4 items



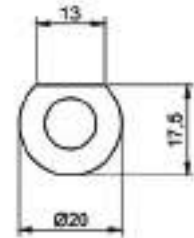
Art. No.	Description
BO 5206192	Glass Shelf Support, Stainless Steel

▶ Glass Shelf Support, Stainless Steel



After bonding height adjustable by 3 mm by turning a headless screw · incl. rubber liner

❗ Diameter 20 mm · Thickness approx. 10 mm · Max. load capacity per sales unit 30 kg · Packaging unit 4 items



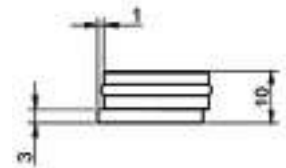
Art. No.	Description
BO 5206193	Glass Shelf Support, Stainless Steel

▶ Glass Shelf Support, Stainless Steel



With rubber ring · After bonding height adjustable by ±1 mm by turning an eccentric disc

❗ Diameter 20 mm · Thickness approx. 10 mm · Max. load capacity per sales unit 40 kg · Packaging unit 4 items



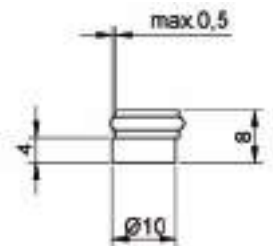
Art. No.	Description
BO 5206194	Glass Shelf Support, Stainless Steel

▶ Glass Shelf Support, Stainless Steel



With rubber ring · After bonding height adjustable by ±0.5 mm by turning an eccentric disc

❗ Diameter 10 mm · Thickness approx. 8 mm · Max. load capacity per sales unit 20 kg · Packaging unit 4 items



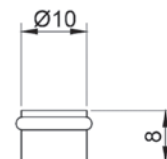
Art. No.	Description
BO 5206195	Glass Shelf Support, Stainless Steel

▶ Glass Shelf Support/Door Stopper, Stainless Steel



With rubber ring · not adjustable (fixed) · can also be used as a door stopper

❗ Diameter 10 mm · Height 8 mm · Max. load capacity per sales unit 20 kg · Packaging unit 4 items



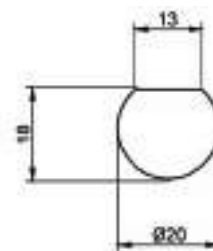
Art. No.	Description
BO 5206196	Glass Shelf Support / Door Stopper, Stainless Steel

▶ Glass Shelf Support, Stainless Steel



For horizontal and vertical bonding · with rubber ring · not adjustable

i Diameter 20 mm · Thickness 10 mm · Max. load capacity per sales unit 30 kg · Packaging unit 4 items



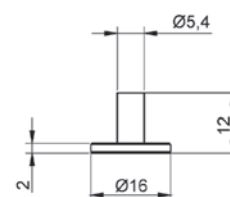
Art. No.	Description
BO 5206191	Glass Shelf Support, Stainless Steel

▶ Glass Shelf Support with Plastic Lining



For UV bonding · made of stainless steel

i Diameter 16 mm · Max. load capacity per sales unit 30 kg · Packaging unit 4 items



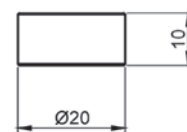
Art. No.	Description
BO 5206198	Glass Shelf Support with Plastic Lining

▶ Borosilicate Glass Discs



Ground plane-parallel · centre with laser mark · suitable as shelf support or furniture foot

i Diameter 20 mm · Thickness 10 mm · Max. load capacity per 4 pieces 40 kg · Packaging unit 20 items



Art. No.	Description
BO 5206190	Borosilicate Glass Discs

▶ Borosilicate Glass Cubes, for UV Bonding



All sides polished · edges bevelled

i Packaging unit 4 items

Art. No.	Edge length · Load capacity
BO 5500030	15 mm · per sales unit 15 kg
BO 5500031	20 mm · per sales unit 20 kg

Resilient Pads

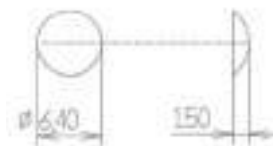
Serve as feet and spacers · highly slip and wear resistant · vibration and noise absorbing · do not leave discoloured marks even after extended periods of time · quick and easy assembly · attractive design · immediate good grip on many surfaces

▶ Resilient Pads ø 6.4 mm Height 1.5 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 6.4 mm · Height 1.5 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



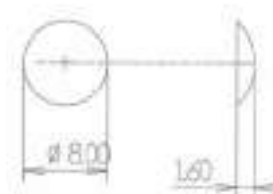
Art. No.	Sales unit
BO 5200170	bag of 720 items
BO 5200180	box of 3600 items

▶ Resilient Pads ø 8 mm Height 1.6 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 8 mm · Height 1.6 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



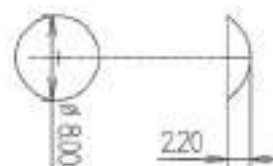
Art. No.	Sales unit
BO 5200171	bag of 480 items
BO 5200181	box of 3360 items

▶ Resilient Pads ø 8 mm Height 2.2 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 8 mm · Height 2.2 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200172	bag of 480 items
BO 5200182	box of 3360 items

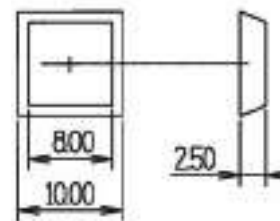


Resilient Pads Height 2.5 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i Length 8/10 mm · Height 2.5 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200173	bag of 350 items
BO 5200183	box of 3150 items



Resilient Pads Height 3.2 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i $\varnothing$ 12 mm · Height 3.2 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200174	bag of 264 items
BO 5200184	box of 3168 items

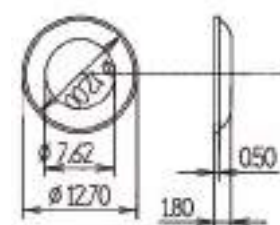


Resilient Pads Height 1.8 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i $\varnothing$ 7.62/12.7 mm · Height 1.8 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200175	bag of 252 items
BO 5200185	box of 3024 items

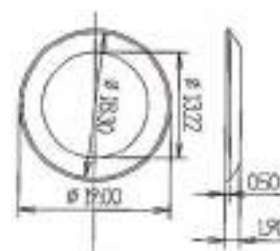


Resilient Pads Height 1.9 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i $\varnothing$ 19 mm · Height 1.9 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200176	bag of 120 items
BO 5200186	box of 3000 items

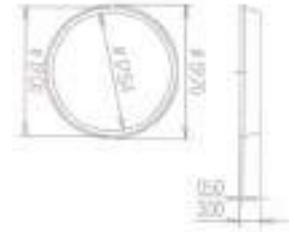


Resilient Pads Height 3.0 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 19 mm · Height 3.0 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200177	bag of 72 items
BO 5200187	box of 2520 items



Glass Supports, PVC



i ø 16 mm · Total height 9 mm · Bore hole 8 mm Ø · Feature: soft · Packaging unit 100 items

Art. No.	Description
BO 5211500	Glass Supports, PVC

Glass Hardware and Profiles

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Glass Hardware and Profiles

In this chapter you will find a wide array of products for convenient and safe glass fixing, among them glass shelf supports, profiles and mirror fixings. We also offer ventilators and speak holes for installation in single or

insulating glass units. Our comprehensive hardware portfolio for bathrooms & sanitary facilities, interior fit-out, furniture, balustrades, canopies and fixing technology can be found in our special

Hardware Catalogues. We are happy to send you the Planning Manual and the Design Manual on request.

You will find more products and further information at www.bohle-group.com.

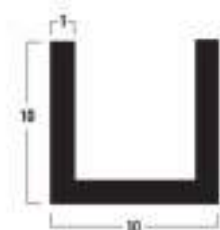


01 | Profiles for Glass Partitions

U-Profiles for Use in Humid Environments

Depending on the specification, type of transport and destination, the following products might need to be declared as bulky goods (shipping via forwarder). Please contact your service representative for details. You will find more information and products in our Planning Manual.

▶ U-Channels

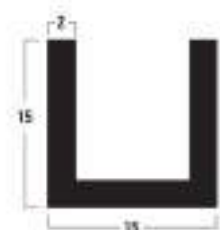


For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

i Length 5000 mm

Art. No.	Finish
BO 5201561	anodised E6/EV1
BO 5201563	stainless steel look brushed E1/C31
BO 5201562	shiny chrome-plated

▶ U-Channels



For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

i Length 5000 mm

Art. No.	Finish
BO 5201571	anodised E6/EV1
BO 5201573	stainless steel look brushed E1/C31
BO 5201572	shiny chrome-plated

▶ U-Channels



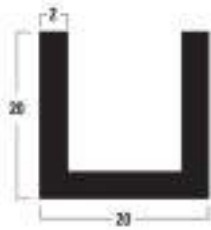
For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

i Length 5000 mm

Art. No.	Finish
BO 5201581	anodised E6/EV1
BO 5201583	stainless steel look brushed E1/C31
BO 5201582	shiny chrome-plated



U-Channels



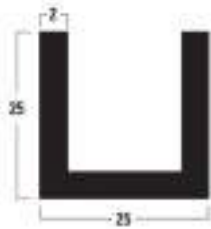
For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

i Length 5000 mm

Art. No.	Finish
BO 5201591	anodised E6/EV1
BO 5201593	stainless steel look brushed E1/C31
BO 5201592	shiny chrome-plated



U-Channels



For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

i Length 5000 mm

Art. No.	Finish
BO 5201611	anodised E6/EV1
BO 5201613	stainless steel look brushed E1/C31
BO 5201612	shiny chrome-plated



U-Channels



For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

i Length 5000 mm

Art. No.	Finish
BO 5201621	anodised E6/EV1
BO 5201623	stainless steel look brushed E1/C31
BO 5201622	shiny chrome-plated



U-Channels



For framing glass panels, for edge protection or for all-glass constructions and diverse applications · aluminium, minimum surface roughness, exquisite-looking finish

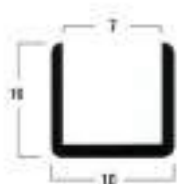
i Length 5000 mm

Art. No.	Finish
BO 5201601	anodised E6/EV1
BO 5201603	stainless steel look brushed E1/C31
BO 5201602	shiny chrome-plated

Profiles for Glass Partitions

Depending on the specification, type of transport and destination, the following products might need to be declared as bulky goods (shipping via forwarder). Please contact your service representative for details.

▶ U-Channels



For installing fixed glass partitions · with radius corners · drilling guide in the bottom of the profile

i Glass thickness 6 mm · Material thickness 1.5 mm · Material Aluminium

Art. No.	Length · Finish
BO 5201554	2150 mm · anodised E6/EV1
BO 5201555	2150 mm · polished anodised E3/EV1
BO 5201556	2150 mm · stainless steel look brushed E1/C31
BO 5201557	2500 mm · anodised E6/EV1
BO 5201558	2500 mm · polished anodised E3/EV1
BO 5201559	2500 mm · stainless steel look brushed E1/C31
BO 5201547	5000 mm · anodised E6/EV1
BO 5201548	5000 mm · polished anodised E3/EV1
BO 5201549	5000 mm · stainless steel look brushed E1/C31

▶ U-Channels



For installing fixed glass partitions · with radius corners · drilling guide in the bottom of the profile

i Glass thickness 8 mm · Material Aluminium · Material thickness 2.0 mm

Art. No.	Length · Finish
BO 6703411	2150 mm · anodised E6/EV1
BO 6703412	2150 mm · polished anodised E3/EV1
BO 6703413	2150 mm · stainless steel look brushed E1/C31
BO 6703418	2500 mm · anodised E6/EV1
BO 6703430	2500 mm · polished anodised E3/EV1
BO 6703419	2500 mm · stainless steel look brushed E1/C31
BO 6703436	5000 mm · anodised E6/EV1
BO 6703437	5000 mm · polished anodised E3/EV1
BO 6703438	5000 mm · stainless steel look brushed E1/C31

▶ U-Channels

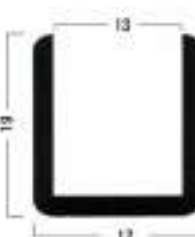


For installing fixed glass partitions · with radius corners · drilling guide in the bottom of the profile

i Glass thickness 10 mm · Material thickness 2.0 mm · Material Aluminium

Art. No.	Length · Finish
BO 6703423	2150 mm · anodised E6/EV1
BO 6703424	2150 mm · polished anodised E3/EV1
BO 6703425	2150 mm · stainless steel look brushed E1/C31
BO 6703429	2500 mm · anodised E6/EV1
BO 6703431	2500 mm · polished anodised E3/EV1
BO 6703432	2500 mm · stainless steel look brushed E1/C31
BO 6703426	5000 mm · anodised E6/EV1
BO 6703427	5000 mm · polished anodised E3/EV1
BO 6703428	5000 mm · stainless steel look brushed E1/C31

▶ U-Channels



For installing fixed glass partitions · with radius corners · drilling guide in the bottom of the profile

i Glass thickness 12 mm · Material thickness 2.0 mm · Material Aluminium

Art. No.	Length · Finish
BO 6703443	2150 mm · anodised E6/EV1
BO 6703444	2150 mm · polished anodised E3/EV1
BO 6703445	2150 mm · stainless steel look brushed E1/C31
BO 6703434	2500 mm · anodised E6/EV1
BO 6703433	2500 mm · polished anodised E3/EV1
BO 6703435	2500 mm · stainless steel look brushed E1/C31
BO 6703446	5000 mm · anodised E6/EV1
BO 6703447	5000 mm · polished anodised E3/EV1
BO 6703448	5000 mm · stainless steel look brushed E1/C31

▶ J-Bar



i Mirror glass thickness 6 mm · Material thickness 1.0 mm · Finish anodised E6/EV1 · Material Aluminium

Art. No.	Length
BO 6703449	2150 mm
BO 6703450	2500 mm
BO 6703451	5000 mm

▶ End Cap



i Material thickness 1.0 mm · Finish anodised E6/EV1 · Material Aluminium

Art. No.	Length
BO 6703452	2150 mm
BO 6703453	2500 mm
BO 6703454	5000 mm



End Cap



i Material thickness 1.0 mm · Finish anodised E6/EV1 · Material Aluminium

Art. No.	Length
BO 6703455	2150 mm
BO 6703456	2500 mm
BO 6703457	5000 mm



H-Bar

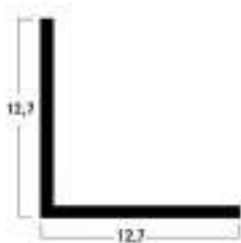


i Mirror glass thickness 6 mm · Finish anodised E6/EV1 · Material Aluminium

Art. No.	Length
BO 6703458	2150 mm
BO 6703459	2500 mm
BO 6703460	5000 mm



L-Profile

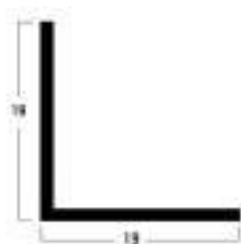


i Material thickness 1.5 mm · Material Aluminium

Art. No.	Length · Finish
BO 5201504	2150 mm · anodised E6/EV1
BO 5201505	2150 mm · polished anodised E3/EV1
BO 5201506	2150 mm · stainless steel look brushed E1/C31
BO 5201507	2500 mm · anodised E6/EV1
BO 5201508	2500 mm · polished anodised E3/EV1
BO 5201509	2500 mm · stainless steel look brushed E1/C31
BO 5201531	5000 mm · anodised E6/EV1
BO 5201532	5000 mm · polished anodised E3/EV1
BO 5201533	5000 mm · stainless steel look brushed E1/C31

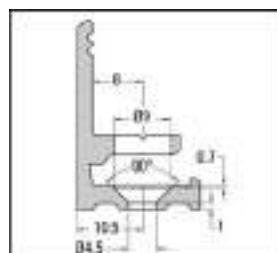


L-Profile



i Material thickness 1.5 mm · Material Aluminium

Art. No.	Length · Finish
BO 5201514	2150 mm · anodised E6/EV1
BO 5201515	2150 mm · polished anodised E3/EV1
BO 5201516	2150 mm · stainless steel look brushed E1/C31
BO 5201517	2500 mm · anodised E6/EV1
BO 5201518	2500 mm · polished anodised E3/EV1
BO 5201519	2500 mm · stainless steel look brushed E1/C31
BO 5201534	5000 mm · anodised E6/EV1
BO 5201535	5000 mm · polished anodised E3/EV1
BO 5201536	5000 mm · stainless steel look brushed E1/C31

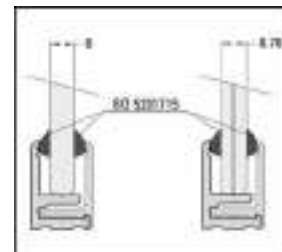
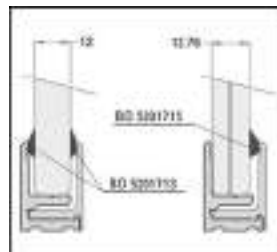
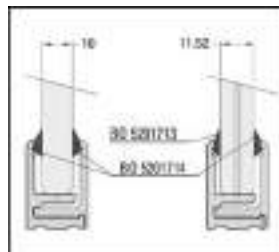


Universal PVC Profile



i Length 2 x 5 m · Finish transparent · suitable for BO 5201710 - 12

Art. No.	Width
BO 5201713	2 mm
BO 5201714	3 mm
BO 5201715	4 mm

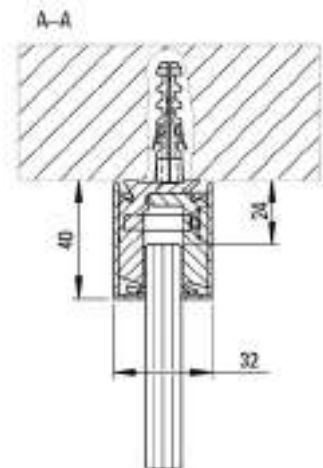
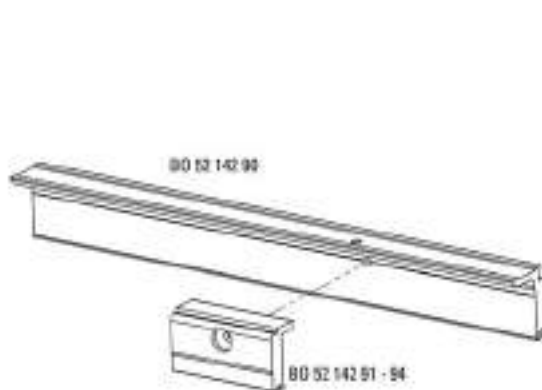


Clamp-On Profile / Wall Connecting Profile



The Bohle wall connecting profile for fixed sidelights can be used to completely frame the glass of all-glass constructions that are wall, ceiling or floor mounted. In this case the glass does not have to be machined.

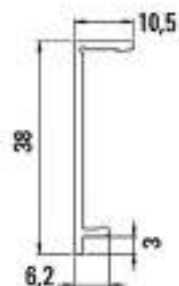
i Glass thickness tempered glass 8, 10, 12, 12.7 mm · Length 3000 mm



Art. No.	Version
BO 5214290	Base profile



Cover Profile



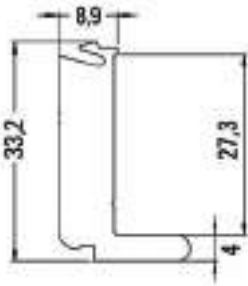
Two are needed for each base profile (one front and one back) · with clip-on function

i Length 3000 mm

Art. No.	Finish
BO 5214295	brushed aluminium anodised
BO 5214296	stainless steel colour



Clamping Parts



10 pieces are needed for 3000 mm

i Length 60 mm · With screw and gasket

Art. No.	Glass thickness
BO 5214291	Fixed Sidelight 8 mm
BO 5214292	Fixed Sidelight 10 mm
BO 5214293	Fixed Sidelight 12 mm
BO 5214294	Fixed Sidelight 12.7 mm

Adhesive Bonding Tapes



Adhesive Bonding Tapes Bohle Duplocoll®



- For different applications, such as all-glass partition walls, furniture, shower cubicles and much more
- For different materials, such as wood, aluminium, plastic, ceramic or glass
- High transparency due to a light refractive index almost identical to glass
- Antimicrobial effect - inhibits growth of microorganisms
- By sealing the edges of the adhesive tape, Duplocoll® becomes dry after adhesion and resistant to external influences
- Elongation of up to 500% and highly split-resistant
- Resistant to chemicals and softeners
- Very good initial tack, lasting ultimate bonding strength
- Also suitable for rough surfaces: The viscoelastic adhesive film distributes evenly across rough surfaces.
- Resistant to ageing and UV radiation, economic, high quality and does not affect the external appearance of the construction

i Thickness 3 mm · Colour transparent · Roll length 12 m · Max. allowable continuous temperature: -40°C - +100°C

Please note: Please use the corresponding applicator to ensure simple and precise application on the glass edge.

Art. No.	Width · Glass thickness
BO 5207936	5 mm · 8 mm
BO 5207938	7 mm · 10 mm
BO 5207935	9 mm · 12-12.7 mm
Art. No.	Description · for glass thickness
BO 5207939	Applicator · 8, 10 mm
BO 5207948	Inlay for BO 5207939 · 10, 12 mm
BO 5207946	Applicator · 10.76; 12.7; 12.76 mm
BO 5207947	Inlay for BO 5207946 · 8.76; 10.76 mm

We recommend seaming tools BO 650.30 or BO 650.32 as auxiliary tools for joining the glass panes.



Silicone Profiles

Silicone profiles for clamping glass in U-channels.



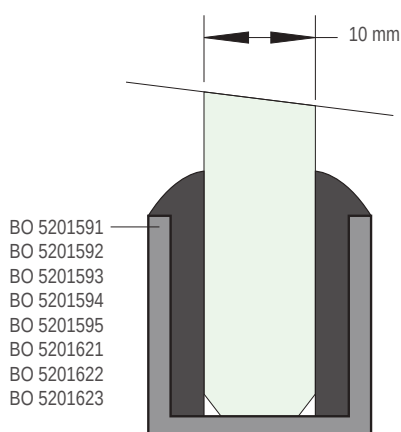
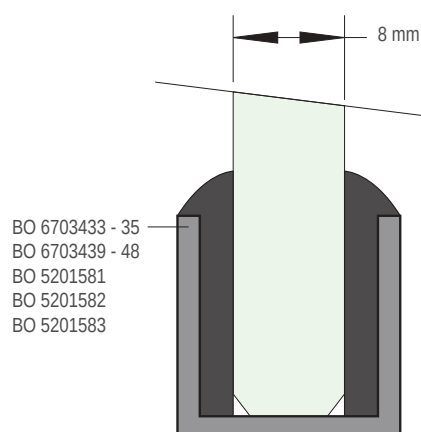
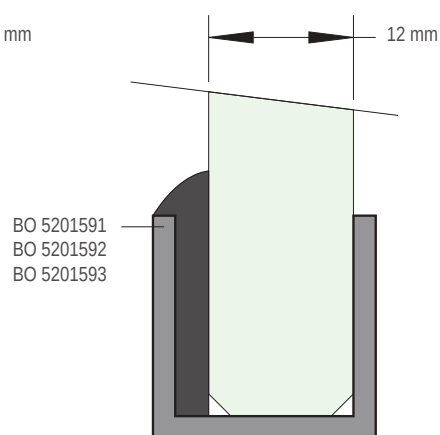
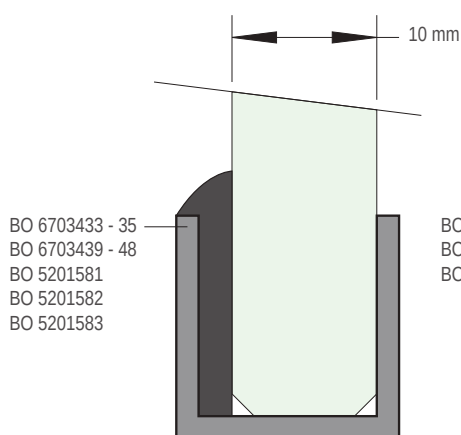
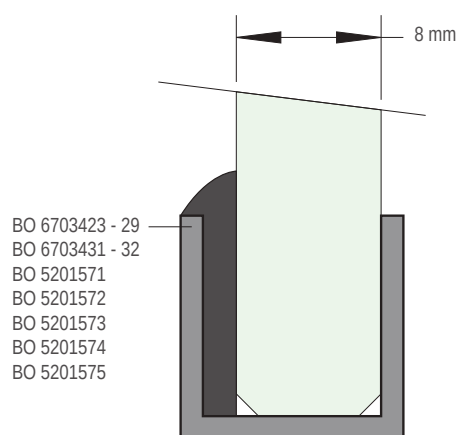
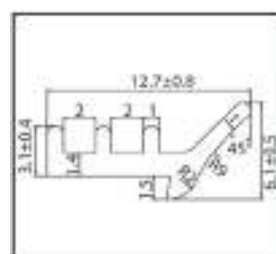
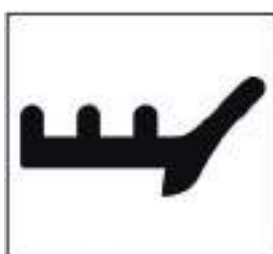
Silicone Profile



i For Fixed Sidelight · suitable for different profiles, you can find the corresponding table in our Online Shop ·
Colour black · Material Silicone · Packaging unit 25 m

Art. No.

BO 5201735





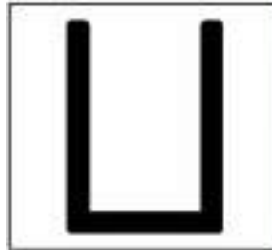
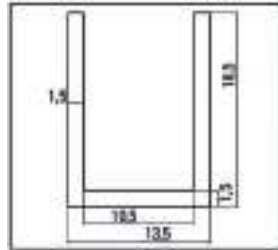
Silicone Profile



i Suitable for 10 mm glass for the following U-profiles: BO 6703433 - 35, BO 6703443 - 48, BO5201581 - 83 ·
Packaging unit 25 m

Art. No.

BO 5201736



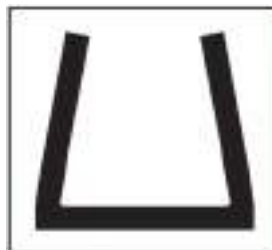
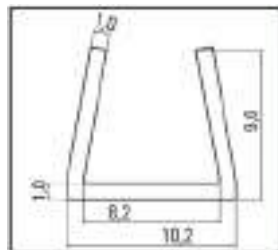
Silicone Profile



i Suitable for 8 mm glass for the following U-profiles: BO 6703423-32 · Packaging unit 25 m

Art. No.

BO 5201737



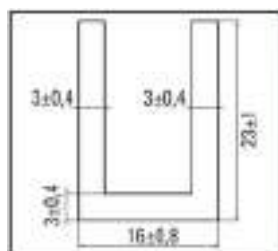
Silicone Profile



i Suitable for 10 mm glass for the following U-profiles: BO 5201591-95, BO 5201601-03, BO 5201621-23 ·
Packaging unit 25 m

Art. No.

BO 5201738



02 | Mirror Fixings

SafecliX® - SafemaX® - SafefiX® have been developed for vertical mounting of mirrors per DIN EN 1036. Our sets are supplied with all necessary mounting hardware in neutral packaging. After mounting they are hidden from sight behind the mirror and allow the mirror to be detached at any time. All metal mounting plates in our mirror fixing kits are coated with the specially developed Xtramount® mirror adhesive tape and are therefore suitable for humid rooms as well as outdoor applications, as long as they are not directly exposed to rain and they stay within the allowable temperature range for Xtramount®.

SafecliX® - SafemaX® - SafefiX® offer you many different ways to mount your mirrors securely.

If you need special mirror mounting sets for your particular application, or if you wish an own brand label version of SafecliX® - SafemaX® - SafefiX®, please do not hesitate to contact us.

Note on mounting the plates:

Clean the back of the mirror with a silicone-free glass cleaner such as Bohle Special Glass Cleaner BO 5107910. The mirror must be clean, dry and grease-free, room temperature should be above 18°C and the temperature of the metal plate and mirror should be roughly the same. After removing the protective film from the self-adhesive plates, press the plates firmly, evenly and directly onto the back of the mirror by applying approx. 200N (20 kg) pressure for approx. 5 seconds. The distance to the top edge and side edges of the mirror should be approx. 10 cm. After 30 minutes resting time, press on the plates firmly once again, and then the mirror can be mounted.

Please note: Mirror safety backing films, etc. must always be applied around the attached plates.

SafecliX® Press Button Fixing Sets

The mirrors are suspended with mirror mounting plates and eccentric discs and are protected against unhinging by press buttons. To compensate for uneven walls, we recommend our Euroclick Type 3 shims.



Press Button Set SafecliX® 08



Press button set, for mirrors up to 0.8 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 0.8 m² · Mirror glass thickness 6 mm

Included in delivery:

2x Lipped plates 100 x 100 mm with Xtramount® mirror adhesive tape
2x Eccentric Discs
2x Press buttons
2x Spacers
2x Countersunk and 2 buttonhead screws ø 4 x 50 mm
4x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208210	SafecliX® 08



Press Button Set SafecliX® 16



Press button set, for mirrors up to 1.6 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 1.6 m² · Mirror glass thickness 6 mm

Included in delivery:

2x Lipped plates 200 x 100 mm with Xtramount® mirror adhesive tape
2x Eccentric Discs
2x Press buttons
2x Spacers
2x Countersunk and 2 buttonhead screws ø 4 x 50 mm
4x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208211	SafecliX® 16



Press Button Set SafecliX® 26



Press button set, for mirrors up to 2.6 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 2.6 m² · Mirror glass thickness 6 mm

Included in delivery:

3x Lipped plates 200 x 100 mm with Xtramount® mirror adhesive tape
3x Eccentric Discs
2x Press buttons
4x Spacers
3x Countersunk and 2 buttonhead screws ø 4 x 50 mm
5x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208212	SafecliX® 26



Combined Set Mirror Mounting SafecliX®



Press button set for mirror fixing · in an economic combined box · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Please note: Considerable savings to be made when buying this combined set box.

Art. No.
BO 5208215

This set comprises the following items:

BO 5208210	SafecliX® 08
BO 5208211	SafecliX® 16
BO 5208212	SafecliX® 26

9 Sets
9 Sets
2 Sets

SafemaX[®] Magnetic Fixing Sets

With SafemaX[®] 08 and 16 the mirror is suspended with mounting plates and eccentric discs and protected against unhinging by safety magnets. With SafemaX[®] 10-SK the mirror is suspended with metal plates and powerful safety magnets. The sets are especially suitable for mirrored walls with several mirrors, because slight corrections in all directions can easily be made even after mounting. To compensate for uneven walls, we recommend our Euroclick Type 3 shims.



Magnetic Set SafemaX[®] 08



Magnetic set, for mirrors up to 0.8 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 0.8 m² · Mirror glass thickness 6 mm

Included in delivery:

2x Lipped plates 100 x 100 mm with Xtramount[®] mirror adhesive tape
2x Metal plates 70 x 70 x 1 mm with Xtramount[®] mirror adhesive tape
2x Eccentric Discs
2x Magnets ø 45 mm
2x Spacers
4x Screws ø 4 x 50 mm
4x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208228	SafemaX [®] 08



Magnetic Set SafemaX[®] 16



Magnetic set, for mirrors up to 1.6 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 1.6 m² · Mirror glass thickness 6 mm

Included in delivery:

2x Lipped plates 200 x 100 mm with Xtramount[®] mirror adhesive tape
2x Metal plates 70 x 70 x 1 mm with Xtramount[®] mirror adhesive tape
2x Eccentric Discs
2x Magnets ø 45 mm
2x Spacers
4x Screws ø 4 x 50 mm
4x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208230	SafemaX [®] 16



Magnetic Set SafemaX® 10-SK



Magnetic set, for mirrors up to 1.0 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 1.0 m² · Mirror glass thickness 6 mm

Included in delivery:

2x Metal plates without ridge, 100 x 100 x 2 mm with Xtramount® mirror adhesive tape

2x Metal plates with ridge 100 x 100 x 2 mm with Xtramount® mirror adhesive tape

4x Magnets ø 45 mm

4x Countersunk screws ø 4 x 50 mm

4x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208240	SafemaX® 10-SK

SafefiX® Mirror Mounting Sets

Easy and economic suspension with mounting plates and eccentric discs if no anti-jump mechanism is required. To compensate for uneven walls, we recommend our Euroclick Type 3 shims.



Mounting Kit SafefiX® 04



Mounting kit for mirrors up to 0.4 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 0.4 m² · Mirror glass thickness 6 mm

Included in delivery:

1x Lipped plate 100 x 100 mm with Xtramount® mirror adhesive tape

1x Eccentric disc

2x Spacers

1x Countersunk screw ø 4 x 50 mm

1x Plug ø 6 x 36 mm

Art. No.	Description
BO 5208219	SafefiX® 04



Mounting Kit SafefiX® 08



Mounting kit for mirrors up to 0.8 m² · resting time only 30 minutes · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Mirror surface max. 0.8 m² · Mirror glass thickness 6 mm

Included in delivery:

2x Lipped plates 100 x 100 mm with Xtramount® mirror adhesive tape

2x Eccentric discs

2x Spacers

2x Countersunk screws ø 4 x 50 mm

2x Plugs ø 6 x 36 mm

Art. No.	Description
BO 5208220	SafefiX® 08

Mirror Fixing Accessories

All self-adhesive metal plates have been tested for use on the rear side of a mirror according to DIN EN 1036. The plates must not be used on mirror safety backing films or other films. Adhesion reduces on glass surfaces. They have to be tested on a case-by-case basis before use.

* Note on the load capacity of the plates:

Indicated load capacities of the metal plates apply per plate, when the mirror glass has a max. thickness of 6 mm and when used with our mirror fixing supplies. The load capacity of the plates used with magnets is calculated on the basis of at least 4 plates per m² of mirror, whereby the plates used at the top of the mirror must be ridged (ridge must face upwards). Always press on the plates over their entire surface. Only in this way is the max. load capacity achieved.

▶ Metal Plate with One Eyelet



The self-adhesive plates are backed with Xtramount® mirror adhesive tape · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Finish galvanised · Sales unit 10 items

Art. No.	Size · Version · Load capacity*/ plate
BO 5208627	70 x 70 mm · uncoated
BO 5208626	70 x 70 mm · self-adhesive · 3 kg
BO 5208615	100 x 100 mm · uncoated
BO 5208606	100 x 100 mm · self-adhesive · 6 kg
BO 5208616	200 x 100 mm · uncoated
BO 5208607	200 x 100 mm · self-adhesive · 12 kg

▶ Metal Plate with Two Eyelets



The self-adhesive plates are backed with Xtramount® mirror adhesive tape · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Finish galvanised · Sales unit 10 items

Art. No.	Size · Version · Load capacity*/ plate
BO 5208617	100 x 100 mm · uncoated
BO 5208610	100 x 100 mm · self-adhesive · 6 kg
BO 5208618	200 x 100 mm · uncoated
BO 5208619	200 x 100 mm · self-adhesive · 12 kg

▶ Metal Plate with Three Eyelets



The self-adhesive plates are backed with Xtramount® mirror adhesive tape · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Finish galvanised · Sales unit 10 items

Art. No.	Size · Version · Load capacity*/ plate
BO 5208629	180 x 180 x 1 mm · self-adhesive · 18 kg

▶ Concealed Mirror Hanging Device Vitofix Plus



Self-adhesive · with Velcro fastening · for safe and flexible mirror mounting

i Mirror surface up to 1.6 m² · Mirror glass thickness up to 6 mm · Sales unit 1 pair

Art. No.	Description
BO 5208931	Concealed Mirror Hanging Device

▶ Concealed Mirror Hanging Device Vitofix Plus



Self-adhesive · for safe and flexible mirror mounting

i Mirror surface up to 0.8 m² · Mirror glass thickness up to 6 mm · Sales unit 1 pair

Art. No.	Description
BO 5208932	Concealed Mirror Hanging Device

▶ Metal Plate lipped



The self-adhesive plates are backed with Xtramount® mirror adhesive tape · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Finish galvanised · Sales unit 10 items · Plate thickness 0.8mm

Art. No.	Size · Version · Load capacity*/ plate
BO 5208620	100 x 100 mm · uncoated
BO 5208612	100 x 100 mm · self-adhesive · 6 kg
BO 5208621	200 x 100 mm · uncoated
BO 5208613	200 x 100 mm · self-adhesive · 12 kg

▶ Metal Plate smooth



Tested for use with our mirror magnet BO 5208601 · The self-adhesive plates are backed with Xtramount® mirror adhesive tape · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Plate thickness 2 mm · Finish galvanised · Sales unit 10 items

Art. No.	Size · Version · Load capacity*/ plate
BO 5208605	70 x 70 mm · uncoated
BO 5208609	70 x 70 mm · self-adhesive · 3 kg
BO 5208622	100 x 100 mm · uncoated
BO 5208623	100 x 100 mm · self-adhesive · 4 kg

▶ Metal Plate with Ridge



Tested for use with our mirror magnet BO 5208601 · The self-adhesive plates are backed with Xtramount® mirror adhesive tape · suitable for humid environments and suitable to a limited extent for exterior applications · suitable for mirrors according to DIN EN 1036 · shelf life of 12 months from the date of delivery note

i Plate thickness 2 mm · Finish galvanised · Sales unit 10 items

Art. No.	Size · Version · Load capacity*/ plate
BO 5208604	70 x 70 mm · uncoated
BO 5208608	70 x 70 mm · self-adhesive · 3 kg
BO 5208624	100 x 100 mm · uncoated
BO 5208625	100 x 100 mm · self-adhesive · 4 kg

▶ Tesa Protective Adhesive Tape



For making sure mirrors are non-splintering in case of breakage · the tape is adhered to the mirror back and holds the mirror pieces together in case the glass should break · conforms to all safety regulations of workplace directives and to the specifications according to DIN EN 12600

i Roll length 25 m

Art. No.	Roll width
BO 5207873	300 mm
BO 5207874	500 mm

Practical Tip:

Leave the spaces around the mirror fixings free!

▶ Mirror Magnet



The shear strength is calculated and tested for vertical mounting of mirrors with our metal plates of 2 mm thickness (see also "Note on the load capacity of the plates").

i Diameter 45 mm · Height 12.3 mm · Bore hole eccentric $\varnothing$ 5 mm · Shear strength 4 kg · Adhesive strength 10 kg · Sales unit 10 items

Art. No.	Description
BO 5208601	Mirror Magnet

▶ Eccentric Discs with Scale



Eccentric discs are supplied with adjustment scale. The necessary height adjustment (+/- 4 mm = 8 mm) can immediately be read from the front of the disc. · With 5 mm $\varnothing$ countersunk hole and lateral pinhole for easy adjustment. Made of high quality, impact resistant plastic.

i Diameter 37 mm · Height 12 mm · Sales unit 10 items

Art. No.	Description
BO 5208602	Eccentric Discs with Scale



Press Button

For fixing and securing of mirrors, whilst providing anti-jump and unhinging protection · self-adhesive · pull-off force of press button approx. 1.8 kg ± 0.3 kg



i Diameter 50 mm · Height 13 mm · Sales unit 10 items

Art. No.	Description
BO 5208611	Press Button



Mounting Plate

With elongated hole for height adjustment up to approx. 20 mm and two additional fixing holes



i Material galvanised sheet steel · Sales unit 10 items

Art. No.	Description
BO 5208614	Mounting Plate



Spacers

Self-adhesive coating on one side · prevents deflection of large mirrors



i Size 20 x 20 x 13 mm · Material high strength rigid foam · Sales unit 1 item

Art. No.	Description
BO 5208600	Spacers



Spacers

Self-adhesive



i ø 20.6 mm · Height 13.2 mm · Packaging unit 100 items

Art. No.	Description
BO 5208603	Spacers

Mirror Adhesive Tapes and Mirror Adhesives

Apart from the proven mirror fixing sets, mirror adhesive tapes or silicone adhesives are also often used, especially when it comes to flush mirror mounting. Here you will also find the high quality Xtramount® mirror adhesive tape which has already been used for mounting the metal plates.

▶ Mirror Adhesive Tape Scotchmount™



For many decades Scotchmount™ mirror adhesive tapes have been used successfully for permanently fixing mirrors in furniture and trade fair construction or shopfitting · suitable for indoor use only · not suitable for humid environments

Art. No.	Width · Thickness · Length
BO 5207919	19 mm · 1.6 mm · 33 m
BO 5207925	25 mm · 1.6 mm · 33 m
BO 5207819	19 mm · 0.8 mm · 66 m
BO 5207825	25 mm · 0.8 mm · 66 m

▶ Coupling Agent Scotch Primer



For improving the adhesive strength of Scotchmount™ mirror adhesive tapes · good temperature stability · good ageing resistance

Art. No.	Contents
BO 5207951	1000 ml

▶ Mirror Adhesive Tape Vito



Double-sided adhesive tape with high initial tack and good final adhesive strength · for permanent indoor mounting of mirrors per DIN EN 1036 · not suitable for humid rooms

Art. No.	Width · Thickness · Length
BO 5207719	19 mm · 0.8 mm · 5 m
BO 6999937	19 mm · 1.6 mm · 5 m
BO 5207722	19 mm · 1.6 mm · 33 m
BO 5207723	25 mm · 1.6 mm · 33 m
BO 5207720	19 mm · 1 mm · 50 m
BO 5207721	25 mm · 1 mm · 50 m
BO 6999925	19 mm · 1 mm · 66 m



Mirror Adhesive Xtragrip®



Solvent-free, neutral, silicone-based single-component adhesive (oxime-free). Intended for stress-compensating mirror bonding onto wood, concrete, stone, glass, metal, etc. Porous surfaces must first be treated with a primer. Not suitable for force-fit connections. Xtragrip® is easy to work with, stays permanently elastic, and does not corrode the mirror coating.

Technical data:

Basis: polysiloxane (oxime-free)

Consistency: stable paste

Curing system: polymerisation by humidity

Skin formation: approx. 10 min. (+20°C and 65% rel. humidity)

Curing speed: 1mm / 24 h. (+20°C and 65% rel. humidity)

Density: 1.36

Thermal stability: -50°C to +120°C

Art. No.	Description · Contents
BO 6002005S	Cartridge · 310 ml
BO 6002005	This product is only available from Bohle Ltd. in Great Britain. · 310 ml



Primer Xtraprime



Improves the adhesive capacity of Xtragrip® mirror adhesive on porous surfaces (also suitable for use with other silicone adhesives or MS polymers). Xtraprime is also recommended to prime surfaces subject to humidity. Xtraprime is thin and transparent.

Instructions for use:

Processing temperature +5°C to +25°C. The bonding surface must be clean, dry and free of dust and grease. Generously apply Xtraprime undiluted with a brush. Allow Xtraprime to dry thoroughly (approx. 60 min. at +20°C / 65% relative humidity) before applying adhesive. To ensure that the substrate is completely covered, a second coating of Xtraprime can be applied. After Xtraprime has been applied, protect the surface against moisture and dirt. Covers approx. 5 m²/litre, depending on the condition of the substrate.

Art. No.	Contents
BO 6002006	500 ml



Mirror Adhesive Tape Xtramount®



Xtramount® is a double-sided mirror adhesive tape made of closed-cell polyethylene foam (density 100 kg/m³), coated on both sides with a solvent-based, pure acrylate adhesive and protected on one side by blue silicone paper. Xtramount® was specially developed for vertical mounting of mirrors per DIN EN 1036, but can also be used for many other materials such as metal plates, some plastics, glass or ceramic.

Xtramount® offers you the following benefits:

- Excellent resistance to humidity
- Good initial tack
- UV resistant
- Suitable for outdoor use to a limited extent
- Temperature resistant from -30° C to +100° C
- Shelf life: 12 months
- Excellent resistance to water, plasticisers, oils and solvents

Art. No.	Width · Thickness · Length
BO 5207760	15 mm · 0.8 mm · 5 m
BO 5207770	19 mm · 0.8 mm · 5 m
BO 5207775	19 mm · 1.6 mm · 5 m
BO 5207780	25 mm · 0.8 mm · 5 m
BO 5207785	25 mm · 1.6 mm · 5 m
BO 5207761	15 mm · 0.8 mm · 50 m
BO 5207771	19 mm · 0.8 mm · 50 m
BO 5207781	25 mm · 0.8 mm · 50 m
BO 5207776	19 mm · 1.6 mm · 25 m
BO 5207786	25 mm · 1.6 mm · 25 m
BO 5207756	70 mm · 0.8 mm · 10 m
BO 5207757	70 mm · 0.8 mm · 50 m
BO 5207758	100 mm · 0.8 mm · 10 m
BO 5207759	100 mm · 0.8 mm · 50 m

Mounting Instructions for Xtramount®

The back of the mirror and the concealed mirror rails must be clean, dry and grease-free. The Xtramount® tape must be applied to the concealed mirror rails without trapping air bubbles and then pressed on firmly. Next, the protective film of the Xtramount® is removed and the concealed mirror rail must be directly pressed onto the back of the mirror firmly (approx. 200N / 20 kg) and evenly, again taking care to avoid bubbles. The maximum load capacity of Xtramount® is achieved 10 hours after having been taped to the mirror. Suitable for mirrors per DIN EN 1036.



Mirror Adhesive Tape XtraCryl



Highly transparent, polyacrylate-based adhesive tape with adhesive on both sides. It has an excellent initial tack, offering a high degree of security shortly after application. XtraCryl shows excellent resistance to ageing, weathering, temperature and solvents and is ideal for bonding rough materials as well as for permanently bonding glass, metal, mirrors as per DIN EN 1036 and many plastics. Stresses in the adhesive bond are reduced and the strength of the bond increases greatly over time. We particularly recommend XtraCryl for mounting laminated safety glass mirrors and when bonding cast resin panes.

Technical data:

Peel strength*: steel up to 45N/25mm · glass up to 43N/25mm

Shear strength**: up to 45N/625 mm² at 20°C · up to 15N/625 mm² at 70°C

Temperature range: -40°C to +120°C, for short periods of time up to +150°C

Shelf life: 12 months (room temperature 20°C, humidity 50 %)

(According to AFERA *4001, **4012, depending on thickness, technical data can vary slightly - please request our data sheet.)

Art. No.	Width · Thickness · Length
BO 5207740	6 mm · 1.0 mm · 25 m
BO 5207840	6 mm · 2.0 mm · 16.5 m
BO 5207940	6 mm · 3.0 mm · 12.5 m
BO 5207741	9 mm · 1.0 mm · 25 m
BO 5207841	9 mm · 2.0 mm · 16.5 m
BO 5207941	9 mm · 3.0 mm · 12.5 m
BO 5207742	12 mm · 1.0 mm · 25 m
BO 5207842	12 mm · 2.0 mm · 16.5 m
BO 5207942	12 mm · 3.0 mm · 12.5 m
BO 5207743	15 mm · 1.0 mm · 25 m
BO 5207843	15 mm · 2.0 mm · 16.5 m
BO 5207943	15 mm · 3.0 mm · 12.5 m
BO 5207744	19 mm · 1.0 mm · 25 m
BO 5207844	19 mm · 2.0 mm · 16.5 m
BO 5207944	19 mm · 3.0 mm · 12.5 m
BO 5207745	25 mm · 1.0 mm · 25 m
BO 5207845	25 mm · 2.0 mm · 16.5 m
BO 5207945	25 mm · 3.0 mm · 12.5 m

Mirror Profiles, Mirror Clips and Mirror Screws

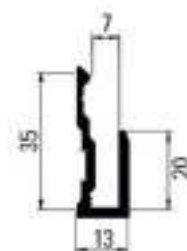
Depending on the specification, type of transport and destination, the following products might need to be declared as bulky goods (shipping via forwarder). Please contact your service representative for details. You will find more information and products in our Planning Manual.

Mirror Profile



For safe and easy mounting of mirrors · End caps sold in sets of 5 x left and 5 x right

i Stock lengths 5 m · Material Aluminium · Mirror size = installation height - 24 mm



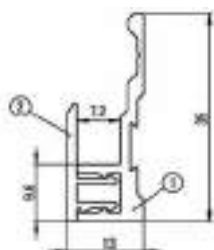
Art. No.	Description · Finish
BO 5208001	Mirror Profile · anodised E6/EV1
BO 5208005	Mirror Profile · stainless steel look brushed E1/C31
BO 5208012	Mirror Profile · pure white RAL 9010
BO 5208030	Set of end caps, silver · plastic
BO 5208031	Set of end caps, stainless steel look · plastic
BO 5208032	Set of end caps, pure white RAL 9010 · plastic

Clip-On Mirror Profile



End caps sold in sets of 5 x left and 5 x right

i Stock lengths 5 m · Material Aluminium



Art. No.	Description · Finish
BO 5208025	Clip-On Mirror Profile · anodised E6/EV1
BO 5208026	Clip-On Mirror Profile · stainless steel look brushed E1/C31
BO 5208030	Set of end caps, silver · plastic
BO 5208031	Set of end caps, stainless steel look · plastic
BO 5208032	Set of end caps, pure white RAL 9010 · plastic

Concealed Mirror Rails



Only one profile required to mount the mirror · load capacity per linear metre of rail approx. 20 kg · Please order 70 mm Xtramount separately

i Width 80 mm · Length 2 m · Material light alloy with protective anodised coating

Art. No.	Finish
BO 5208016	anodised E6/EV1



Mirror Adhesive Tape Xtramount®



Suitable for concealed mirror rails BO 5208016 · Xtramount® is a double-sided mirror adhesive tape made of closed-cell polyethylene foam (density 100 kg/m³), coated on both sides with a solvent-based, pure acrylate adhesive and protected on one side by blue silicone paper. Xtramount® was specially developed for vertical mounting of mirrors per DIN EN 1036, but can also be used for many other materials such as metal plates, some plastics, glass or ceramic.

Xtramount® offers you the following benefits:

- Excellent resistance to humidity
- Good initial tack
- UV resistant
- Suitable for outdoor use to a limited extent
- Temperature resistant from -30° C to +100° C
- Shelf life: 12 months
- Excellent resistance to water, plasticisers, oils and solvents

Art. No.	Width · Thickness · Length
BO 5207757	70 mm · 0.8 mm · 50 m
BO 5207756	70 mm · 0.8 mm · 10 m

Mounting Instructions for Xtramount®

The back of the mirror and the concealed mirror rails must be clean, dry and grease-free. The Xtramount® tape must be applied to the concealed mirror rails without trapping air bubbles and then pressed on firmly. Next, the protective film of the Xtramount® is removed and the concealed mirror rail must be directly pressed onto the back of the mirror firmly (approx. 200N / 20 kg) and evenly, again taking care to avoid bubbles. The maximum load capacity of Xtramount® is achieved 10 hours after having been taped to the mirror. Suitable for mirrors per DIN EN 1036.



Mirror Clips

With cork insert



i Load capacity max. 12 kg · Glass thickness max. 6 mm · Material steel, chrome-plated

Included in delivery:

- 2x Lower supporting clips
- 2x Upper holding clips with coil
- 4x Wood Screws
- 4x Plugs

Art. No.	Description
BO 5207400	Mirror Clips



Mirror Clips



With cork insert · sturdy design

i Load capacity max. 28 kg · Glass thickness max. 6 mm

Included in delivery:

- 4x Adjustable clips
- 4x Wood screws 4 x 35 mm
- 4x Thin cork plates

Art. No.	Description
BO 5207500	Mirror Clips



Mirror Clips with Clip-On Function



i Load capacity max. 15 kg · Glass thickness max. 6 mm · Material brass, chrome-plated

Included in delivery:
2x Lower supporting clips
2x Upper holding clips
4x Wood Screws
4x Plugs

Art. No.	Description
BO 5207600	Mirror Clips with Clip-On Function



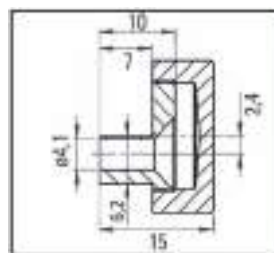
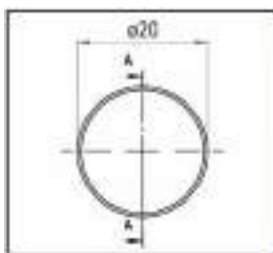
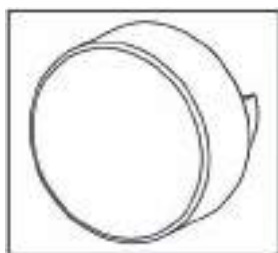
Mirror Screws round



With screw-on cover caps · with plug and wood screw · no drill hole required in the mirror

i Diameter 20 mm · Glass thickness 5 - 6 mm · Packaging unit 4 items

Art. No.	Finish
BO 5200079	brass, chrome-plated



Domeheads for Mirror Screws



i Version pointed · Material brass · Threaded pin 1/8" · Thread length 7 mm · Cap height 4 mm · Sales unit 100 items

Art. No.	Diameter · Finish
BO 5200998	16 mm · nickel-plated
BO 5200995	16 mm · matt nickel-plated
BO 5200980	19 mm · nickel-plated
BO 5200996	19 mm · matt nickel-plated
BO 5200981	24 mm · nickel-plated
BO 5200997	24 mm · matt nickel-plated



Flat Heads for Mirror Screws



i Version flat · Material brass · Threaded pin 1/8" · Thread length 7 mm · Sales unit 100 items

Art. No.	Diameter · Finish
BO 5200989	18 mm · nickel-plated
BO 5200993	18 mm · matt nickel-plated
BO 5200990	21 mm · nickel-plated
BO 5200994	21 mm · matt nickel-plated



Wood Screws

Suitable for pointed domeheads and flatheads



i Material galvanised iron · Inner thread 1/8" · Sales unit 100 items

Art. No.	Size
BO 5200991	4,5 x 25 mm
BO 5200992	4,5 x 30 mm
BO 5200984	4,5 x 35 mm
BO 5200985	4,5 x 40 mm



Protective Sleeve

For avoiding direct contact between wood screw and mirror when using mirror screws · sales unit = 100 items



i Drill hole in glass ø 7 mm

Art. No.	Description
BO 5200988	Protective Sleeve



Shims Euroclick Type 3

To compensate for uneven walls or as a larger spacer between wall and mirror, e.g. when hiding a transformer behind the mirror. The Euroclick is clipped onto the screw between the wall and the eccentric disc, for example.



i Packaging unit 100 items

Art. No.	Length · Width · Thickness · Colour
BO 5133101	40 mm · 30 mm · 1 mm · white
BO 5133102	40 mm · 30 mm · 2 mm · blue
BO 5133103	40 mm · 30 mm · 3 mm · red
BO 5133104	40 mm · 30 mm · 4 mm · yellow
BO 5133105	40 mm · 30 mm · 5 mm · green
BO 5133106	40 mm · 30 mm · 6 mm · black
BO 5133108	40 mm · 30 mm · 8 mm · grey
BO 5133110	40 mm · 30 mm · 10 mm · brown



Transparent Setting and Distance Strips



Transparent setting strips made of plastic · for use when mounting all-glass showers, all-glass assemblies, mirrors or other glazing applications

Art. No.	Length · Width · Thickness · Packaging unit · Description
BO 5121001	50 mm · 6 mm · 1 mm · 100 items
BO 5121002	50 mm · 6 mm · 2 mm · 100 items
BO 5121003	50 mm · 6 mm · 3 mm · 100 items
BO 5121004	50 mm · 6 mm · 4 mm · 100 items
BO 5121005	50 mm · 6 mm · 5 mm · 100 items
BO 5121006	50 mm · 6 mm · 6 mm · 100 items
BO 5121008	50 mm · 6 mm · 8 mm · 100 items
BO 5121010	50 mm · 6 mm · 10 mm · 100 items
BO 5121011	200 items · Set of 25 pieces each, 1, 2, 3, 4, 5, 6, 8 and 10 mm



Transparent Setting and Distance Strips sold per roll



Transparent setting strips made of plastic · for use when mounting all-glass showers, all-glass assemblies, mirrors or other glazing applications.

Art. No.	Length · Width · Thickness
BO 5121002R	5 m · 6 mm · 2 mm
BO 5121003R	5 m · 6 mm · 3 mm
BO 5121004R	5 m · 6 mm · 4 mm

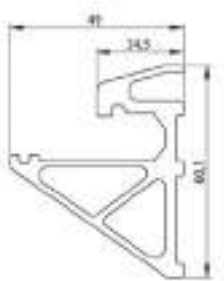
03 | Furniture Fittings

Showcase Shelf Supports without Drill Holes in the Glass

The comprehensive range of glass shelf supports in different models combines flexible application possibilities, high quality as well as interesting designs. You will find more information and products in our Planning Manual.



Wall Profile 10 mm Glass



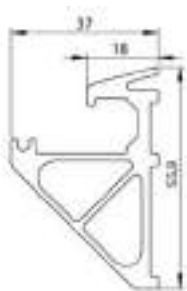
Including rubber support pad

i Glass thickness 10 mm · Material Aluminium

Art. No.	Length · Finish
BO 5201800	60 cm · anodised E6/EV1
BO 5201801	60 cm · stainless steel look brushed E1/C31
BO 5201804	90 cm · anodised E6/EV1
BO 5201805	90 cm · stainless steel look brushed E1/C31
BO 5201808	120 cm · anodised E6/EV1
BO 5201809	120 cm · stainless steel look brushed E1/C31
BO 5201812	240 cm · anodised E6/EV1
BO 5201813	240 cm · stainless steel look brushed E1/C31
BO 5201816	500 cm · anodised E6/EV1
BO 5201817	500 cm · stainless steel look brushed E1/C31
BO 5201821	Cover Cap · silver colour
BO 5201822	Cover Cap · stainless steel look



Wall Profile 8 mm Glass



Including rubber support pad

i Glass thickness 8 mm · Material Aluminium

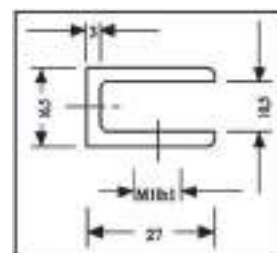
Art. No.	Length · Finish
BO 5201825	60 cm · anodised E6/EV1
BO 5201826	60 cm · stainless steel look brushed E1/C31
BO 5201829	90 cm · anodised E6/EV1
BO 5201830	90 cm · stainless steel look brushed E1/C31
BO 5201833	120 cm · anodised E6/EV1
BO 5201834	120 cm · stainless steel look brushed E1/C31
BO 5201837	240 cm · anodised E6/EV1
BO 5201838	240 cm · stainless steel look brushed E1/C31
BO 5201841	500 cm · anodised E6/EV1
BO 5201842	500 cm · stainless steel look brushed E1/C31
BO 5201846	Cover Cap · silver colour
BO 5201847	Cover Cap · stainless steel look



Glass Shelf Support



i Width Glass Shelf Support 30 mm · Glass thickness 6 - 10 mm · Projection maximum 160 mm · Width maximum 600 mm · Load capacity per pair max. 5 kg



Art. No.	Finish
BO 5206900	stainless steel V4A
BO 5206901	chrome-plated
BO 5206903	pure white RAL 9010
BO 5206904	matt chrome-plated
BO 5106911	matt nickel-plated, brushed
BO 5206910	spare screw

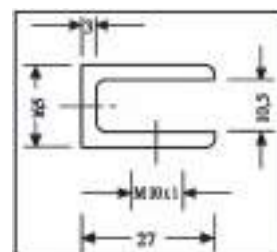


Glass Shelf Support

With steel holding screw



i Width Glass Shelf Support 50 mm · Glass thickness 6 - 10 mm · Projection maximum 200 mm · Width maximum 600 mm · Load capacity per pair max. 5 kg · Shape D-shaped



Art. No.	Finish
BO 5207200	stainless steel V4A
BO 5207201	chrome-plated
BO 5207203	pure white RAL 9010
BO 5207204	matt chrome-plated
BO 5107211	matt nickel-plated, brushed
BO 5206910	spare screw

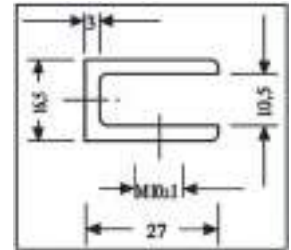


Glass Shelf Support

With steel holding screw



i Width Glass Shelf Support 100 mm · Glass thickness 6 - 10 mm · Projection maximum 200 mm · Width maximum 800 mm · Load capacity per pair max. 5 kg



Art. No.	Finish
BO 5207000	stainless steel V4A
BO 5207001	chrome-plated
BO 5207003	pure white RAL 9010
BO 5207004	matt chrome-plated
BO 5107011	matt nickel-plated, brushed
BO 5206910	spare screw

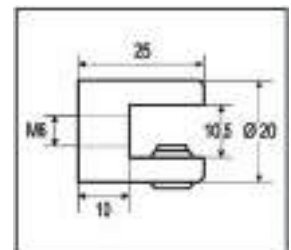


Glass Shelf Support

With steel holding screw



i $\varnothing$ 20 mm · Glass thickness 6 - 10 mm · Projection maximum 150 mm · Width maximum 600 mm · Load capacity per pair max. 5 kg



Art. No.	Finish
BO 5207101	chrome-plated
BO 5207103	pure white RAL 9010
BO 5207104	matt chrome-plated
BO 5207105	stainless steel V4A
BO 5207111	matt nickel-plated, brushed
BO 5206910	spare screw



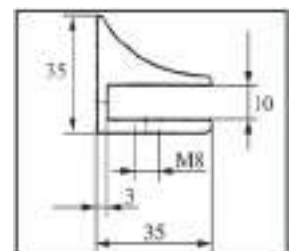
Glass Shelf Support

With plastic holding screw



i Finish chrome-plated · Width Glass Shelf Support 50 mm · Glass thickness 8 - 10 mm · Projection maximum 200 mm · Width maximum 600 mm · Load capacity per pair max. 5 kg

Art. No.
BO 5207321

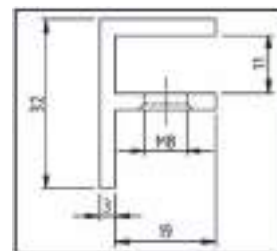


Glass Shelf Support



With steel holding screw

i Width Glass Shelf Support 23 mm · Glass thickness 8 - 10 mm · Projection maximum 150 mm · Width maximum 600 mm · Load capacity per pair max. 5 kg



Art. No.	Finish
BO 5206911	polished brass, gold-plated
BO 5206912	brass, chrome-plated

Glass Shelf Support



With 2 steel holding screws

i Width Glass Shelf Support 45 mm · Glass thickness 8 - 10 mm · Projection maximum 150 mm · Width maximum 600 mm · Load capacity per pair max. 5 kg



Art. No.	Finish
BO 5206913	polished brass, gold-plated
BO 5206914	brass, chrome-plated

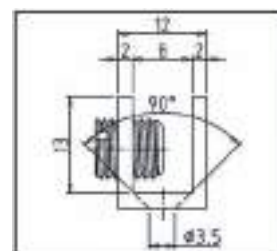
Glass Clip



Including wood screw

i Size 15 x 15 x 12 mm · Glass thickness 4 - 6 mm · Material brass, chrome-plated · Load capacity per pair max. 5 kg

Art. No.
BO 5200075



Glass Clip



Including wood screw

i Size 15 x 15 x 15 mm · Glass thickness 4 - 8 mm · Material brass, chrome-plated · Load capacity per pair max. 5 kg

Art. No.
BO 5200077

Glass Clip

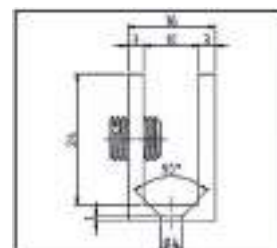
Glass Clip



Including wood screw

i Size 16 x 27 x 16 mm · Glass thickness 6 - 8 mm · Material brass, chrome-plated · Load capacity per pair max. 5 kg

Art. No.
BO 5200072



Glass Connectors requiring Drill Holes in the Glass

You will find more information and products in our Planning Manual.

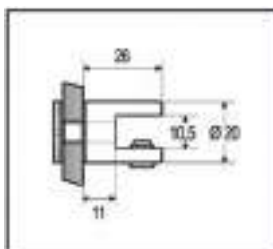
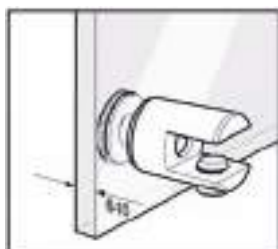
▶ Showcase Shelf Support · Chrome-Plated

With steel holding screw · with rubber shelf rest and set screw · 2 plastic washers and 1 plastic hose section



i Glass thickness 6 - 10 mm · Drill hole in glass $\varnothing$ 8 mm

Art. No.	Version
BO 5200047	single-sided
BO 5200048	double-sided

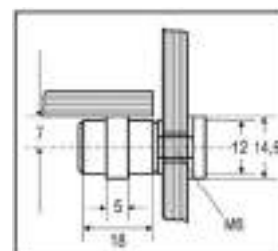


▶ Showcase Shelf Supports

With rubber shelf rest and set screw · 2 plastic washers and 1 plastic hose section



i Glass thickness 6 - 8 mm · Drill hole in glass $\varnothing$ 8 mm



Art. No.	Version · Finish
BO 5200041	single-sided · polished brass
BO 5200043	double-sided · polished brass
BO 5200042	single-sided · brass, nickel-plated
BO 5200044	double-sided · brass, nickel-plated

Point Fixings and Standoffs

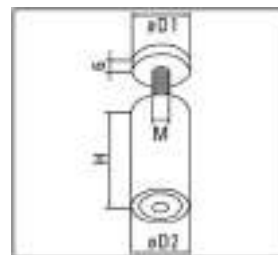
Name plates or guidance systems are found everywhere in our daily lives. In this chapter you will find a selection of sophisticated, high-quality stainless steel holders for name plates and guidance systems made of glass. This range is especially suitable for large interior installations. You will find more information and products in our Planning Manual.

▶ Standoffs



Wall mounting by 5 mm countersunk screw · with plastic washer · The load capacity of the standoff greatly depends on the physical properties of the mounting substrate as well as the choice of suitable mounting hardware · Suitable dowel BO 5211131 · Suitable fixing screw BO 5211153

i Glass thickness 6 - 19 mm · Diameter of screw head max. 9 mm · Load capacity 5 kg · Material brass · Finish chrome-plated



Art. No.	D1 / D2 / M / H
BO 5214017	11.7 / 11.7 / 6 / 40 mm
BO 5214018	11.7 / 11.7 / 6 / 60 mm
BO 5214019	11.7 / 11.7 / 6 / 80 mm
BO 5214020	18.7 / 18.7 / 8 / 40 mm
BO 5214021	18.7 / 18.7 / 8 / 60 mm
BO 5214022	18.7 / 18.7 / 8 / 80 mm
BO 5214023	24.7 / 24.7 / 8 / 40 mm
BO 5214024	24.7 / 24.7 / 8 / 60 mm
BO 5214025	24.7 / 24.7 / 8 / 80 mm

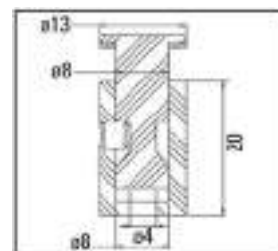
▶ Holder · Stainless Steel



High-quality materials and workmanship · for use in a wide variety of applications · easy assembly · timeless elegance in stainless steel · safe and easy mounting with Allen screw · incl. plastic washers, screw, plugs and Allen key

i Head flat · $\varnothing$ 13 mm · Drill hole in glass $\varnothing$ 9 mm · Wall distance 20 mm · Glass thickness 5 - 8 mm · Packaging unit 4 items

Art. No.
BO 5206172





Holder · Stainless Steel

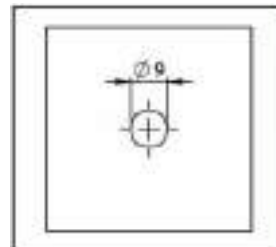
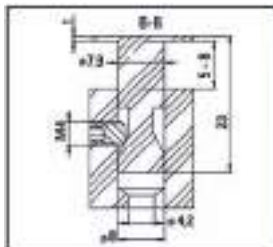


High-quality materials and workmanship · for use in a wide variety of applications · easy assembly · timeless elegance in stainless steel · safe and easy mounting with Allen screw · incl. plastic washers, screw, plugs and Allen key

i Head flat · $\varnothing$ 18 mm · Drill hole in glass $\varnothing$ 9 mm · Wall distance 20 mm · Glass thickness 5 - 8 mm · Packaging unit 4 items

Art. No.

BO 5206175



GM PICO

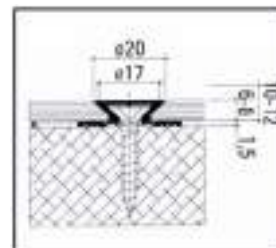
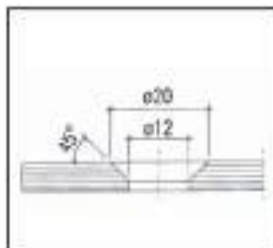
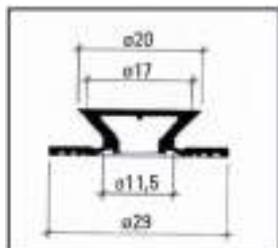


For flush mounting of mirror or glass elements indoors · incl. nickel-plated cover cap (stainless steel look) · minimum distance from glass edge to centre of drill hole: float glass and mirrors: min. 20 mm; tempered glass: 2 x glass thickness + 10 mm · Suitable fixing screw BO 5211153

i Load capacity per support 5 kg

Art. No.	Panel thickness · Colour
BO 5206010	6-8 mm · black
BO 5206011	6-8 mm · transparent
BO 5206012	10-12 mm · black
BO 5206013	10-12 mm · transparent
BO 5211153	Fixing Screws · 50 mm

Please note:
Flush supports are not
suitable for overhead
glazing!





GM PICO

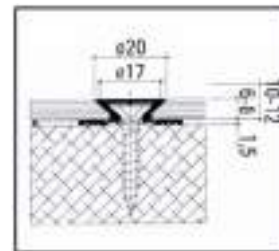
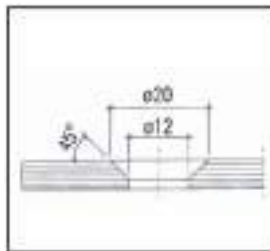
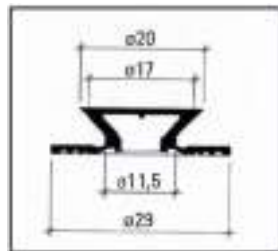


For flush mounting of mirror or glass elements indoors · minimum distance from glass edge to centre of drill hole:
float glass and mirrors: min. 20 mm; tempered glass: 2 x glass thickness + 10 mm · Suitable fixing screw BO 5211153
· incl. black cover cap · for interior applications

i Load capacity per support 5 kg

Art. No.	Panel thickness · Colour
BO 5206015	6-8 mm · black
BO 5206016	6-8 mm · transparent
BO 5206017	10-12 mm · black
BO 5206018	10-12 mm · transparent

Please note:
Flush supports are not
suitable for overhead
glazing!



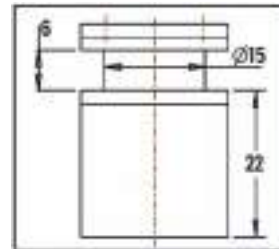
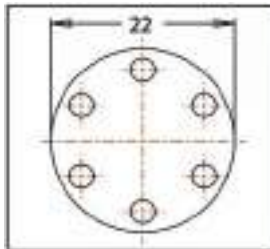
Single Point Fixings



To be fixed with 5 mm countersunk screws (not included in delivery) · Tool BO 5214042 is required for mounting.
Please order separately!

i ø 22 mm · Drill hole in glass 18 mm · Version raised · Panel thickness 6 - 12 mm · Max. load bearing capacity
Q: 2.0 kN · Finish matt stainless steel · Stainless steel AISI 304

Art. No.
BO 5214040



04 | Accessories for Furniture and Showcase Construction

Resilient Pads

Serve as feet and spacers · highly slip and wear resistant · vibration and noise absorbing · do not leave discoloured marks even after extended periods of time · quick and easy assembly · attractive design · immediate good grip on many surfaces

▶ Resilient Pads ø 6.4 mm Height 1.5 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 6.4 mm · Height 1.5 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



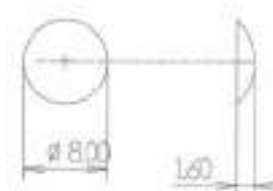
Art. No.	Sales unit
BO 5200170	bag of 720 items
BO 5200180	box of 3600 items

▶ Resilient Pads ø 8 mm Height 1.6 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 8 mm · Height 1.6 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200171	bag of 480 items
BO 5200181	box of 3360 items

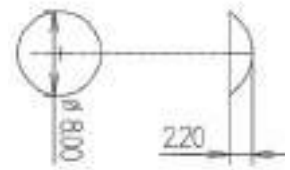


Resilient Pads ø 8 mm Height 2.2 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 8 mm · Height 2.2 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200172	bag of 480 items
BO 5200182	box of 3360 items

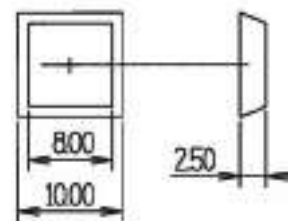


Resilient Pads Height 2.5 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i Length 8/10 mm · Height 2.5 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200173	bag of 350 items
BO 5200183	box of 3150 items

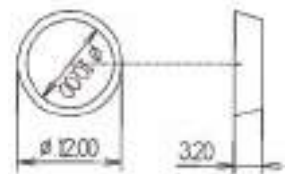


Resilient Pads Height 3.2 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 12 mm · Height 3.2 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200174	bag of 264 items
BO 5200184	box of 3168 items

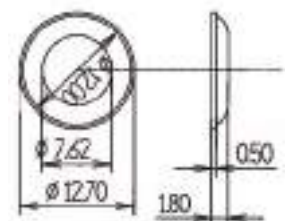


Resilient Pads Height 1.8 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 7.62/12.7 mm · Height 1.8 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200175	bag of 252 items
BO 5200185	box of 3024 items

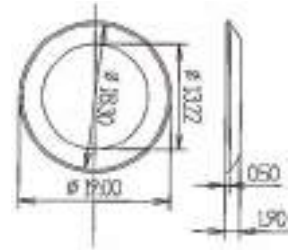


Resilient Pads Height 1.9 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 19 mm · Height 1.9 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200176	bag of 120 items
BO 5200186	box of 3000 items

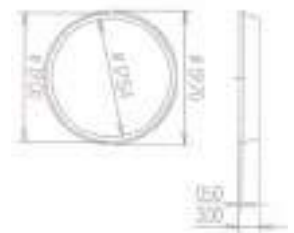


Resilient Pads Height 3.0 mm



All resilient pads are made from aliphatic polyurethane material with high quality UV stabilisers and offer a 5-year guarantee against yellowing · A universal weatherproof and dishwasher safe acrylate adhesive is used as standard adhesive.

i ø 19 mm · Height 3.0 mm · Colour: crystal clear · Version self-adhesive · On sheets · Description Made in Germany



Art. No.	Sales unit
BO 5200177	bag of 72 items
BO 5200187	box of 2520 items



Glass Supports, PVC

i ø 16 mm · Total height 9 mm · Bore hole 8 mm Ø · Feature: soft · Packaging unit 100 items



Art. No.	Description
BO 5211500	Glass Supports, PVC

05 | Accessories for Window Systems

Ventilators

Axial ventilators to be installed in single pane or insulated glass units from 3 - 25 mm as well as for walls 25 - 300 mm thick (additional wall mounting kit required). Ventilators are available in the following models: manually operated · electrically controlled. The housings are made of shock-resistant, white plastic. Flat outer part does not interfere with outdoor shutters. High efficiency fan with low noise level. Touch protection inside and outside as per EN 60 335-1 and EN 60 335-2-80.

Technical Drawings

Technical drawings for the window ventilators BO 5211430-34 can be found in the Bohle Online Shop.

▶ Window Ventilator · Outward Air Flow



With pull switch · self-lubricating bearings · maintenance-free · thermal overload protection

i Voltage 230 V · Output 32 W · Drill hole in glass ø 189 mm · Flow rate up to 225 m³/h · Air flow temperature max. 40° C

Art. No.

BO 5211430

▶ Window Ventilator · Reversible Air Flow



Two-stage with pull switch · self-enclosed bearings · maintenance-free · thermal overload protection

i Voltage 230 V · Output 34 W · Drill hole in glass ø 261 mm · Flow rate up to 600 m³/h · Air flow temperature max. 40° C

Art. No.

BO 5211432

▶ Window Ventilator · Outward Air Flow



Self-lubricating bearings · maintenance-free · thermal overload protection · please order speed control BO 5211438 or BO 5211439 separately

i Voltage 230 V · Output 32 W · Drill hole in glass ø 189 mm · Flow rate up to 225 m³/h · Air flow temperature max. 40° C

Art. No.

BO 5211431

▶ Window Ventilator · Inward and / or Outward Air Flow



Self-enclosed bearings · maintenance-free · thermal overload protection · speed control BO 5211438 or 39 required for inward or outward air flow, BO 5211440 for reversible air flow (not included)

i Voltage 230 V · Output 34 W · Drill hole in glass ø 261 mm · Flow rate up to 600 m³/h · Air flow temperature max. 40° C

Art. No.

BO 5211433

▶ Window Ventilator · Inward and / or Outward Air Flow



Self-enclosed bearings · maintenance-free · thermal overload protection · speed control BO 5211438 or 39 required for inward or outward air flow, BO 5211440 for reversible air flow (not included)

i Voltage 230 V · Output 68 W · Drill hole in glass ø 329 mm · Flow rate up to 1100 m³/h · Air flow temperature max. 40° C

Art. No.

BO 5211434

▶ Electronic Speed Control



For infinitely adjustable speed control of ventilators · on-wall mounting · overload protection by safety fuse · meets EC-RL 336/89-EC (EMV) · unregulated switching output

i AC 230 V / 50 Hz · Width 80 mm · Height 80 mm · Depth 68 mm · Protection class II

Art. No.

BO 5211438

▶ Electronic Speed Control



For infinitely adjustable speed control of ventilators · in-wall mounting · overload protection by safety fuse · meets EC-RL 336/89-EC (EMV) · unregulated switching output

i AC 230 V / 50 Hz · Width 80 mm · Height 80 mm · Depth 68 mm · Protection class II

Art. No.

BO 5211439

▶ Electronic Speed Control



For infinitely adjustable speed control of ventilators · with switch for reversing air flow operation · on-wall mounting · overload protection by safety fuse · meets EC-RL 336/89-EC (EMV)

i AC 230 V / 50 Hz · Width 160 mm · Height 90 mm · Depth 48 mm · Protection class II

Art. No.

BO 5211440



Vent-a-matic Rotary Ventilators



High quality rotary ventilators · various models with or without shutters · made of UV stabilised materials

i Version For single glass and double glazing

Art. No.	Aperture · Version
BO 6520101	121 mm · open
BO 6520102	121 mm · shuttered
BO 652C102S	121 mm · shuttered · with storm guard
BO 6520105	162 mm · open
BO 6520106	162 mm · shuttered
BO 6520RXL	162 mm · shuttered · slimline
BO 652C106S	162 mm · shuttered · with storm guard
BO 6520SXL	219 mm · shuttered
BO 652D106	162 mm · for double glazing 12 - 32 mm · shuttered · with storm guard
BO 652APAD	162 mm · adaptor · for 180 - 200 mm ø



Vent-a-matic Static Ventilator



For continuous ventilation · providing a continuous supply of fresh air, e.g. in kitchens · various diameters

i For single glass and double glazing

Art. No.	Aperture · Version
BO 6520PBS	159 mm · with storm guard
BO 65200JG	162 mm · with storm guard
BO 65200PB	164 mm · without storm guard
BO 652DPBS	159 mm · with storm guard · for double glazing 12 - 32 mm
BO 6520DJG	162 mm · with storm guard · for double glazing 12 - 32 mm
BO 652APAD	162 mm · adaptor · for 180 - 200 mm ø



Storm Guard



Art. No.	Aperture
BO 6520SG5	121 mm
BO 6520SG6	162 mm
BO 6520SG8	219 mm

Speak Holes

▶ Plexiglass Sheet



For speak holes · round · with holes

Art. No.	Description
BO 5220420	Plexiglass Sheet
BO 5220421	Spare membrane (only available with text)

▶ MELAPHONE Speech Panels



For gatehouses, counters or information desks at railway stations, banks, finance offices, etc. · with a strong, impact-resistant polycarbonate guard

i Glass thickness up to 15 mm

Art. No.	Hole Size · $\varnothing$
BO 60GPX01	229 mm · 240 mm
BO 60GPX02	295 mm · 318 mm

▶ Plexiglass Sheet



For speak holes · oval · with holes

Art. No.	Description
BO 5220700	Plexiglass Sheet
BO 5220701	Spare membrane (only available with text)

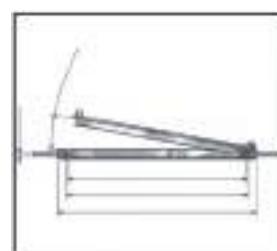
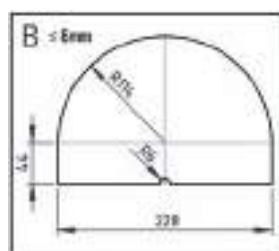
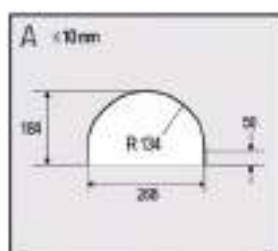
▶ Utility Door



Door prepared for glass panes up to 6 mm glass thickness and casement fastener · Diagram A: Cut-out required for the frame · Diagram B: Cut-out required for the door

i Glass thickness up to 10 mm · Outer dimension 292 x 196 mm · Glass cut-out 268 x 184 mm · Size of opening 240 x 170 mm · Material light alloy

Art. No.	Colour
BO 5210800	aluminium-coloured, powder coated





Oval Speak Hole



Door made of transparent plastic material with lock-up speak rosette

i Glass thickness 4 - 6 mm · Outer dimension 170 x 300 mm · Glass cut-out 150 x 275 mm · Radius 75 mm · Size of opening 120 x 245 mm · Material Plastic

Art. No.	Colour
B0 5211201	grey



Utility Door



Door made of transparent plastic

i Glass thickness 4 - 6 mm · Outer dimension 154 x 300 mm · Glass cut-out 143 x 280 mm · Radius 55 mm · Size of opening 130 x 250 mm

Art. No.	Colour
B0 5211301	grey

06 | Fixing Technology

Fischer Fixing Technology

You will find all relevant technical data in our Online Shop at www.bohle-group.com.

▶ Universal plug UX 6 x 50



Suitable for: concrete · gypsum plasterboard and gypsum fibreboards · vertically perforated brick · hollow block made from lightweight concrete · cavity floor slabs made of brick, concrete, etc. · perforated sand-lime brick · solid sand-lime brick · natural stone · aerated concrete · chipboard · solid panel made from gypsum · solid brick made from lightweight concrete · solid brick

i Length 50 mm · Material nylon · Packaging unit 100 items · suitable for BO 5211150/51

Art. No.

BO 5211131

▶ Expansion plug SX 10 x 50



Suitable for: concrete · vertically perforated brick · hollow block made from lightweight concrete · cavity floor slabs made of brick, concrete, etc. · perforated sand-lime brick · solid sand-lime brick · natural stone with dense structure · aerated concrete · solid panel made from gypsum · solid brick made from lightweight concrete · solid brick

i Length 50 mm · Material nylon · Packaging unit 50 items

Art. No.

BO 5211132

▶ Aircrete anchor



Approved for: aerated concrete with compressive strength 2 to 4 N/mm² · aerated concrete wall or ceiling boards with compressive strength 3.3 to 4.4 N/mm²

Art. No. Description · Length · Sales unit · suitable for

BO 5211135 GB 8 · 50 mm · 25 items · BO 5211151

BO 5211142 GB 10 · 55 mm · 20 items

▶ Nail anchor FNA II 6 x 30



Approved for: concrete C12/15 to C50/60, cracked, for multiple fixings of non-structural applications · Suitable for: solid sand-lime brick · natural stone with dense structure · pre-stressed hollow-core concrete slabs

i Length 50 mm · Material steel

Art. No. Description · Finish · Sales unit

BO 5211133 M6/5 · galvanised · 100 items

BO 5211134 M6/5 A4 · stainless · 50 items



Bolt anchor FAZ II



Approved for: concrete C20/25 to C50/60, cracked · concrete C20/25 to C50/60, non-cracked · Suitable for: concrete C12/15 · natural stone with dense structure



i Material steel · Packaging unit 20 items

Art. No.	Description · Finish · Length
BO 5211145	12/10 · galvanised (interior use) · 110 mm
BO 5211138	12/10 A4 · stainless (exterior use) · 120 mm



Bolt anchor FAZ II



Approved for: concrete C20/25 to C50/60, cracked · concrete C20/25 to C50/60, non-cracked · Suitable for: concrete C12/15 · natural stone with dense structure



i Material steel · Packaging unit 20 items

Art. No.	Description · Finish · Length
BO 5215223	12/20 · galvanised (interior use) · 120 mm
BO 5211139	12/20 A4 · stainless (exterior use) · 120 mm



High performance anchor FH II



Approved for: concrete C20/25 to C50/60, cracked · concrete C20/25 to C50/60, non-cracked · Suitable for: concrete C12/15 · natural stone with dense structure



i Material steel · Packaging unit 25 items

Art. No.	Description · Finish · Length
BO 5215246	12/15 SK · galvanised · 90 mm
BO 5215247	12/15 SK A4 · stainless · 90 mm



High performance anchor FH II



Approved for: concrete C20/25 to C50/60, cracked · concrete C20/25 to C50/60, non-cracked · Suitable for: concrete C12/15 · natural stone with dense structure



i Material steel · Packaging unit (sufficient for 3.5 m) 25 items

Art. No.	Description · Finish · Length · Application
BO 5215231	12/50 SK · galvanised · 125 mm · inside
BO 5215232	12/50 SK A4 · stainless · 105 mm · outside



Stand-off installation system Thermax



Approved for: concrete, cracked and non-cracked · vertically perforated brick · hollow block made from lightweight concrete · perforated sand-lime brick · solid sand-lime brick · solid brick · Suitable for: aerated concrete



i Finish galvanised · Material steel · Packaging unit 2 items

Art. No.	Description
BO 5211140	Stand-off installation system Thermax 12/110 M12 B
BO 5211141	Stand-off installation system Thermax 16/170 M12 B



Assembly mortar 300 T



FinePore



Approved for anchorings in: concrete C20/25 to C50/60, non-cracked · hollow blocks made from lightweight concrete · hollow blocks made from concrete · vertically perforated brick · perforated sand-lime brick · solid sand-lime brick · solid brick · Approved for: C 12/15 concrete · (for approx. 34 anchors 10 x 190 mm)

i Cartridge 300 ml · Packaging unit 1 item · For BO 5211137, BO 5211144, BO 5211146, BO 5211147

Art. No.

BO 5211143



Injection anchor sleeve FIS H 12x85K



FinePore



Approved for: vertically perforated brick · hollow block made from lightweight concrete · hollow block made from concrete · perforated sand-lime brick · solid sand-lime brick · solid brick · Suitable for: hollow pumice slabs · slabs made of hollow brick and other perforated brick · solid pumice and other solid building materials

i Packaging unit 50 items · For BO 5211143 + BO 5211144

Art. No.

BO 5211137



Threaded rod FIS A M12x120 A4



FinePore



Approved for: solid sand-lime brick · solid brick · Suitable for: blocks made of solid and lightweight concrete · solid pumice and other solid building materials

i Finish stainless · Material steel · Packaging unit 10 items · For BO 5211137 + BO 5211144

Art. No.

BO 5211144



Threaded rod RGM

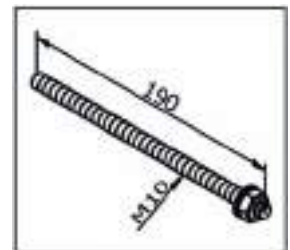


FinePore



Sales unit 10 pieces, sufficient for 3.5 metres

i For Profiles BO 5215268-70, BO 5215375-78 · Material steel · Packaging unit 10 items



Art. No. Description · Finish

BO 5211146 RG M 10 x 190 · galvanised

BO 5211147 RG M 10 x 190 A4 · stainless



Resin Capsule RM10



FinePore



Approved for: concrete C20/25 to C50/60, non-cracked · Suitable for: concrete C12/15, non-cracked · natural stone with dense structure

i For BO 5211146, BO 5211147 · Packaging unit 10 items · Quantity 1 piece/34 anchors · Please note: Alternatively please use BO 5211137/43.

Art. No.

BO 5211148

Fixing Technology

▶ Flat Head Screw ABC-SPAX® stainless



i Length 50 mm · Version full thread · Head cross recess Z · Material A2 stainless



Art. No.	ø · Sales unit · suitable for
BO 5211150	4.5 mm · 200 items · BO 5211131
BO 5211151	5.0 mm · 200 items · BO 5211131/35
BO 5211152	6.0 mm · 100 items · BO 5211132

▶ Flat Head Screw ABC-SPAX® galvanised



i ø 6.0 mm · Version full thread · Head cross recess Z · Material galvanised A2J · Packaging unit 200 items · suitable for BO 5211132



Art. No.	Description · Length
BO 5211153	Fixing Screws · 50 mm
BO 5211154	60 mm

▶ Post screw ABC-SPAX-S Cut



i ø 8.0 mm · Length 50 mm · Version Post screw · Material A2 stainless · Packaging unit 50 items · suitable for BO 5211132



Art. No.
BO 5211155

▶ Pan Head Screw

i Version with cross slot · Size 5 x 60 mm · Material stainless steel V2A



Art. No.	Description · Version · Finish
BK 0675031	Pan Head Screw · with cross slot · shiny chrome-plated
BK 0675046	Pan Head Screw · with cross slot · matt chrome-plated
BK 0675051	Pan Head Screw · with cross slot · matt nickel-plated
BK 0675090	Pan Head Screw · with cross slot · polished
BK 0675091	Pan Head Screw · with cross slot · matt brushed

Mounting Kit

You will find more information and products in our Planning Manual.



Professional Mounting Kit with Torque Wrench Gedore



Complete set for safe, professional mounting of hardware according to manufacturer's instructions, in practical carrying case.



Included in delivery:

- 1x Gedore 1/4" torque wrench 2-25 Nm
- 1x Adaptor for 1/4" bits
- 1x Allen set with 1.5 - 10 mm ball head
- 1x 1/4" bit screwdriver
- 1x BICOLOR 1/4" bit box
- 1x 10 mm ratchet wrench
- 1x 12 mm ratchet wrench
- 1x 13 mm ratchet wrench
- 1x Tape measure, 5 m long

Art. No.

B0 5104734

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By placing orders with us you agree to accept these terms exclusively without exception.

All prices are net, plus V.A.T., for delivery ex works nearest suitable point, packing not included for unusual or extra large items.

Additional carriage charges may apply. Please speak to our Customer Service Representatives for further details.

Date

Signature

UK & ROI Sales Conditions

1. Definitions

- Conditions: the terms and conditions set out in this document as amended from time to time in accordance with condition 2.c.
- Contract: the contract between Bohle and the Purchaser for the sale and purchase of the Products in accordance with these Conditions.
- Order: the Purchaser's order for the Products, as set out in the Purchaser's order form and/or Bohle's written record of any telephone order.
- Products: the products (or any part of them) set out in the Order.
- Purchaser: the person or firm who purchases the Products from Bohle.
- Specification: any specification for the Products, including any related plans and drawings, that is agreed in writing by the Purchaser and Bohle.
- Bohle: the supplier of the Products, Bohle Limited, registered in England and Wales with company number 00644864

2. Application

- These conditions apply to the Contract, as well as all statements made by Bohle in catalogues, brochures, price lists, quotations, on the internet or verbally, to the exclusion of any terms the Purchaser may seek to impose or which may be implied by custom, trade, practice or course of dealing. Any samples, drawings, descriptive matter, or advertising produced by Bohle and any descriptions or illustrations contained in Bohle's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Products described in them. They shall not form part of the Contract or have any contractual force.
- The Contract constitutes the entire agreement between the parties. The Purchaser acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of Bohle which is not set out in the Contract.
- Variations of these conditions are only valid if confirmed by Bohle in writing.
- Placing an Order constitutes the Purchaser's acceptance of these Conditions. The Purchaser will be responsible for ensuring that the terms of the Order and any Specification submitted by the Purchaser are complete and accurate.
- Bohle may change these Conditions at its discretion [and Bohle will notify the Purchaser of any amendments to the Conditions]. For the avoidance of doubt, the Purchaser will be bound by the Conditions in force at the date of placing the relevant Order.

3. Orders/Contract

- Any Orders received (whether by mail, internet, phone or fax) will be deemed to have been accepted unless the Purchaser is otherwise notified by Bohle.

4. Price & Payment Terms

- Quotations are only valid in writing and for the stated period. A quotation shall not constitute an offer.
- The price for the Products shall be the price set out in Bohle's published price list at the date of the Purchaser's order, unless otherwise agreed in writing with Bohle.
- Bohle reserves the right to amend the specification of the Products at any time but guarantees that the amended products will deliver at least equivalent functionality and performance.
- Prices are to be understood in £(GBP) unless otherwise agreed with Bohle, net of any deductions or discounts applicable, exclusive of VAT (which shall be payable by the Purchaser in addition on receipt of a VAT invoice from Bohle). Ex-works (as defined by Incoterms 2010), excluding all other taxes, transport costs, insurance and installation. Packing, postage and freight are included in the price for orders above £150 (£200) net of VAT.
- Payments in £(GBP) shall be made to National Westminster Bank, sort code 01-05-83, account number 19364830. Payments in €(EUR) shall be made to Ulster Bank, sort code 995330, account number 08117189. Swift code and IBAN information can be found on invoices.
- Please note that deliveries of small or unwieldy orders (such as L-squares, straight edges, mirror profiles, long-lengths etc.) may result in a relatively high transport cost. Purchasers may consolidate such products with other orders and agree a transport cost with Bohle prior to delivery.
- Carriage to off-shore UK Islands will be charged extra at cost.
- Bohle reserves the right to adjust prices due to reasons beyond its control including exchange rates, production cost, duties, insurance, freight and other purchase costs (incl. for components & services). Bohle may also adjust prices if the Purchaser requests a change in delivery date, quantity or type of Products ordered, or the Specification, or if the Purchaser causes a delay due to any information or instructions given or not given by it.
- Bohle may invoice the Purchaser for the Products on or at any time after the Order is placed.
- Payment is to be made:
 - in advance by wire transfer or by irrevocable, confirmed letter of credit issued to Bohle's indicated bank or by cheque; or
 - if so agreed with Bohle in writing prior to the Purchaser placing an Order, within 30 days of the date of Bohle's invoice, subject to an agreed credit limit; or
 - if so agreed with Bohle in writing prior to the Purchaser placing an Order, by another payment method including credit or charge card. Cheques may only be accepted conditionally.
- With the exception of clause 4.j.ii, processing of any Order will not commence until clearance of funds.
- All bank charges are for the account of the Purchaser unless otherwise agreed in writing prior to Order.
- Without prejudice to any other right it may have, Bohle may suspend deliveries or service until payment is received in full.
- Any dispute in relation to a particular Order shall not entitle the Purchaser to withhold payment in relation to any other Order.
- Bohle shall be entitled to charge interest on late payments at a rate of 6% above the minimum bank rate of the European Central Bank on the amount overdue. Such interest shall accrue on a daily basis from the due date until the date of actual payment of the overdue amount, whether before or after judgment. Any costs incurred by Bohle in connection with receiving a late payment or recovering any overdue sum shall be paid by the Purchaser.

5. Delivery/Title/Risk

- Products are dispatched from such of Bohle's warehouses as is the most appropriate location for Bohle. The delivery period stated in any Order confirmation is approximate and time of delivery is not of the essence. Delays in delivery do not justify any kind of compensation except as otherwise expressly set out in these Conditions.
- Bohle will deliver the Products to the location set out in the Order or such other location as the parties may agree (Delivery Location) at any time after Bohle notifies the Purchaser that the Products are ready.
- Delivery of the Products shall be completed when the Products arrive at the Delivery Location.
- If the Products are not available or have been modified, Bohle reserves the right to supply similar products of equivalent functionality.
- Deliveries may be made in instalments and each such instalment shall constitute a separate Contract which may be invoiced separately. Any right to cancel one instalment shall not entitle the Purchaser to cancel any other instalment.
- Bohle shall be entitled to make partial delivery of any Order if, for example, certain Products are unavailable. Partial delivery shall not entitle the Purchaser to reject the Order.
- The Purchaser shall not be entitled to reject the Products if Bohle delivers up to and including [5]% more or less than the quantity of Products ordered, but a pro

rata adjustment shall be made to the Order invoice on receipt of notice from the Purchaser that the wrong quantity of Products was delivered.

- If the Purchaser refuses to accept a delivery without Bohle's agreement, he must pay Bohle's expenses or loss resulting from that refusal, including storage costs, until he accepts delivery. If the Purchaser has not accepted delivery of the Products within 10 working days of the date that Bohle originally delivered the Products to the Delivery Location, Bohle may resell or otherwise dispose of part or all of the Products and charge the Purchaser for any reasonable costs in connection with the storage and sale of the Products. If the Purchaser has paid in advance for the Products, Bohle will refund the purchase price less any such costs as well as any shortfall below the price of the Products.
 - Bohle shall not be liable for any delay in delivery or failure to deliver the Products that is caused by the Purchaser's failure to provide Bohle with adequate delivery instructions or by any other act or omission of the Purchaser.
 - If Bohle fails to deliver the Products, its liability shall be limited to the costs and expenses incurred by the Purchaser in obtaining replacement goods similar in description and quality in the cheapest market available, less the price of the Products.
 - Risk in the Products shall pass to the Purchaser on completion of delivery.
 - Title to the Products passes on receipt by Bohle of full payment. Until then, the Purchaser must:
 - hold the goods on a fiduciary basis as Bohle's bailee;
 - insure and store the Products separately and keep them in satisfactory condition;
 - not modify, pledge, sell or part with possession of the Products; and
 - notify Bohle if any of the events in clause 9.b shall occur.On request the Products shall be made available to Bohle for re-collection and the Purchaser shall provide any information relating to the Products as Bohle shall request. Until title in the Products has passed to the Purchaser, the Purchaser shall not purport to be the owner of the Products and shall not show such Products as stock in its accounts.
 - Bohle may at any time upon reasonable notice enter the Purchaser's premises (or any other premises where the Products are stored) for the purpose of inspecting the Products and ensuring the Purchaser's compliance with this Contract. The Purchaser shall ensure that Bohle is granted access to such premises and facilities as are reasonably necessary for the purpose of this clause.
 - If before title to the Products passes to the Purchaser, the Purchaser becomes subject to any of the events listed in clause 9.b, or Bohle reasonably believes that any such event is about to happen and notifies the Purchaser accordingly, then, without limiting any other right or remedy Bohle may have, Bohle may at any time require the Purchaser to deliver up the Products and, if the Purchaser fails to do so may, together with appropriate transport and personnel, promptly enter any premises of the Purchaser or of any third party where the Products are stored in order to recover them.
- ## 6. Acceptance
- Delivered Products must be inspected by the Purchaser promptly upon receipt of the Products. If the Purchaser does not claim any discrepancies in the delivery within 3 working days after receipt of the shipment, the Purchaser will be deemed to have accepted the Products in full.
 - If Bohle agrees that the Purchaser may return Products, they must be in their original condition (unused, undamaged, in original packaging) and accompanied by a return note as well as proof of purchase. Any return charges must be paid by the Purchaser and a re-stocking charge of 20% of the Products value or £20 (GBP) whichever is the greater will be charged to the Purchaser for any goods returned through no fault of Bohle.
 - The Purchaser may not return any Products which have been custom made to the Purchaser's specification, or where any item comprised in the Order has been specially ordered by Bohle to satisfy such Order.
 - Products received in an obviously damaged condition (including damaged packaging) should be either rejected by the Purchaser on delivery, or, if signed for, then signed for as "Received in damaged condition", regardless of carrier paperwork instructions and of carrier driver information. Failure to do this will result in any claim for damage being rejected.
- ## 7. Warranty
- Subject to clause 7.c, Bohle guarantees that the Products will be free from defects for 6 months after date of invoice (Warranty Period). Should the Purchaser notify Bohle in writing within the Warranty Period of a defective product, Bohle will repair or replace the Product (at its discretion) within a reasonable time, provided that Bohle shall have reasonable opportunity to examine the Product at either the Purchaser's or Bohle's premises (at Bohle's option).
 - Any return of Products must be approved by Bohle in writing before being effected and the Purchaser shall bear the cost of carriage, postage and packaging. Any shipments received by Bohle where such costs have not been paid by the Purchaser will not be accepted.
 - Bohle will not accept warranty protection claims for damage caused by:
 - the Purchaser's failure to comply with Bohle's instructions (or if none are given, good industry practice) regarding the installation, use, storage, commissioning, modification or repair by the Purchaser or any unauthorised third party of the Products;
 - the Purchaser making further use of the Products after giving notice in accordance with condition 7.a;
 - Bohle following any drawing, design or Specification supplied by the Purchaser;
 - the Purchaser altering or repairing the Products without the written consent of Bohle;
 - fair wear and tear, wilful damage, negligence or abnormal storage or working conditions; or
 - the Products differing from their description or specification as a result of changes made to ensure that they comply with applicable statutory or regulatory requirements.
 - Except as provided in this clause 7, Bohle shall have no liability to the Purchaser in respect of the Products' failure to comply with the warranty set out in clause 7.a.
 - Except as set out in these Conditions, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.
 - These Conditions shall apply to any repaired or replacement Products supplied by Bohle.
- ## 8. Liability
- Nothing in these Conditions shall limit or exclude Bohle's liability for:
 - death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable);
 - fraud or fraudulent misrepresentation;
 - breach of the terms implied by section 12 of the Sale of Goods Act 1979; or
 - any matter in respect of which it would be unlawful for Bohle to exclude or restrict liability.
 - Subject to clause 8.a:
 - Bohle shall under no circumstances whatever be liable to the Purchaser, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and
 - Bohle's total liability to the Purchaser in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including

negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed [the lesser of] [repair or replacement of the Products] or £[x]m].

9. Termination

- If the Purchaser becomes subject to any of the events listed in condition 9.b, or Bohle reasonably believes that the Purchaser is about to become subject to any of them and notifies the Purchaser accordingly, then without limiting any other right or remedy Bohle may have, Bohle may cancel or suspend all further deliveries under the Contract or under any other contract between the Purchaser and Bohle without incurring any liability to the Purchaser, and all outstanding sums in respect of Products delivered to the Purchaser shall become immediately due.
- For the purpose of condition 9.a, the relevant events are:
 - the Purchaser becomes insolvent, or an order is made or a resolution is passed for the winding up of the Purchaser (other than voluntarily for the purpose of solvent amalgamation or reconstruction), or if an administrator, administrative receiver or receiver is appointed in respect of the whole or any part of the Purchaser's assets or business, or if the Purchaser makes any composition with its creditors or takes or suffers any similar or analogous action in consequence of debt, or if (the Purchaser is an individual) is the subject of a bankruptcy petition or order, or any event which has an effect equivalent or similar occurs in any jurisdiction to which the Purchaser is subject;
 - the Purchaser suspends, threatens to suspend, ceases or threatens to cease to carry on all or substantially the whole of its business;
 - the Purchaser's financial position deteriorates to such an extent that in Bohle's opinion the Purchaser's capability to adequately fulfill its obligations under the Contract has been placed in jeopardy; and
 - (being in individual) the Purchaser dies or by reason of illness or incapacity (whether mental or physical) is incapable of managing his or her own affairs or becomes a patient under any mental health legislation.
- Bohle may terminate the Contract, including any Order placed but not yet processed, immediately upon written notice to the Purchaser if:
 - the Purchaser is in material breach of any of the terms of this Contract and fails to remedy such breach within [14] days of written notice requiring it to do so by Bohle; or
 - the Purchaser has failed to pay any sum due under this Contract by its due date and such sum remains unpaid within [14] days of written notice by Bohle requiring the Purchaser to pay such sum in full.
- All sums payable under this Contract shall, upon termination of the Contract or any relevant Order (as appropriate) become immediately due and payable.
- Upon termination of the Contract, the Purchaser shall deliver to Bohle any Products in its possession to which title has not passed to the Purchaser. Failure to do so within a reasonable time shall entitle Bohle (without prejudice to any other right or remedy available to Bohle) to enter onto the Purchaser's premises or such other premises where the Products are stored, together with appropriate transport and personnel, to repossess the Products.
- Termination of the Contract, however arising, shall not affect either of the parties' rights and remedies that have accrued at termination. Clauses which expressly or by implication survive termination of the Contract shall continue in full force and effect.

10. Force Majeure

- Bohle shall not be liable for failure or delays in delivery or service caused by circumstances beyond their reasonable control (which may include strikes, lock-outs or other industrial disputes whatever involving its own workforce or a third party's), failure of energy sources or transport network, acts of God, war, terrorism, riot, civil commotion, interference by civil or military authorities, national or international calamity, armed conflict, malicious damage, breakdown of plant or machinery, nuclear, chemical or biological contamination, sonic boom, explosions, collapse of building structures, fires, floods, storms, earthquakes, loss at sea, epidemics or similar events, natural disasters or extreme adverse weather conditions, or default of suppliers or subcontractors) and Bohle will be entitled to an appropriate delivery time extension for the fulfilment of the Order.

11. Jurisdiction

- The Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, English law, and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

12. General

- Bohle may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract. The Purchaser may not assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract without the prior written consent of Bohle.
- Any notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first class post, recorded delivery, commercial courier, fax or e-mail.
- A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in clause 12.b; if sent by pre-paid first class post or recorded delivery, at 9.00 am on the second working day after posting; if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; or, if sent by fax or e-mail, one working day after transmission.
- The provisions of clauses 12.b and 12.c shall apply to the service of any proceedings or other documents in any legal action.
- If any court or competent authority finds that any provision of the Contract (or part of any provision) is invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed to be deleted, and the validity and enforceability of the other provisions of the Contract shall not be affected. If any invalid, unenforceable or illegal provision of the Contract would be valid, enforceable and legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.
- A waiver of any right or remedy under the Contract is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default. No failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it preclude or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.
- A person who is not a party to the Contract shall not have any rights under or in connection with it.

last update: 03/10/2013

Order Form

Bohle Ltd.
Fifth Avenue, Tameside Park
Dukinfield,
Cheshire
SK16 4PP

Sender
Customer No.
Contact Person
Phone
Fax
Email

Article Number	Quantity	Unit*	Description	Unit Price**

☐ Please send me new order forms

Order immediately - by internet at: www.bohle-group.com

Simply return page by fax: F 0161 344 0111

or call us: T 0800 61 61 51

We look forward to hearing from you!

* Possible units: piece, pair, dozen, box, metre, pack, set, bag, litre, can, etc.

** Please note the small order surcharge of £ 9.95 for order values below £ 150 net.

We publish comprehensive General Sales Conditions on which we conduct business exclusively. We supply copies on request - ask for yours today.

By placing orders with us you agree to accept these terms exclusively without exception.

All prices are net, plus V.A.T., for delivery ex works nearest suitable point, packing not included for unusual or extra large items.

Additional carriage charges may apply. Please speak to our Customer Service Representatives for further details.

Date

Signature

UK & ROI Sales Conditions

1. Definitions

- Conditions: the terms and conditions set out in this document as amended from time to time in accordance with condition 2.c.
- Contract: the contract between Bohle and the Purchaser for the sale and purchase of the Products in accordance with these Conditions.
- Order: the Purchaser's order for the Products, as set out in the Purchaser's order form and/or Bohle's written record of any telephone order.
- Products: the products (or any part of them) set out in the Order.
- Purchaser: the person or firm who purchases the Products from Bohle.
- Specification: any specification for the Products, including any related plans and drawings, that is agreed in writing by the Purchaser and Bohle.
- Bohle: the supplier of the Products, Bohle Limited, registered in England and Wales with company number 00644864

2. Application

- These conditions apply to the Contract, as well as all statements made by Bohle in catalogues, brochures, price lists, quotations, on the internet or verbally, to the exclusion of any terms the Purchaser may seek to impose or which may be implied by custom, trade, practice or course of dealing. Any samples, drawings, descriptive matter, or advertising produced by Bohle and any descriptions or illustrations contained in Bohle's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Products described in them. They shall not form part of the Contract or have any contractual force.
- The Contract constitutes the entire agreement between the parties. The Purchaser acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of Bohle which is not set out in the Contract.
- Variations of these conditions are only valid if confirmed by Bohle in writing.
- Placing an Order constitutes the Purchaser's acceptance of these Conditions. The Purchaser will be responsible for ensuring that the terms of the Order and any Specification submitted by the Purchaser are complete and accurate.
- Bohle may change these Conditions at its discretion [and Bohle will notify the Purchaser of any amendments to the Conditions]. For the avoidance of doubt, the Purchaser will be bound by the Conditions in force at the date of placing the relevant Order.

3. Orders/Contract

- Any Orders received (whether by mail, internet, phone or fax) will be deemed to have been accepted unless the Purchaser is otherwise notified by Bohle.

4. Price & Payment Terms

- Quotations are only valid in writing and for the stated period. A quotation shall not constitute an offer.
- The price for the Products shall be the price set out in Bohle's published price list at the date of the Purchaser's order, unless otherwise agreed in writing with Bohle.
- Bohle reserves the right to amend the specification of the Products at any time but guarantees that the amended products will deliver at least equivalent functionality and performance.
- Prices are to be understood in £(GBP) unless otherwise agreed with Bohle, net of any deductions or discounts applicable, exclusive of VAT (which shall be payable by the Purchaser in addition on receipt of a VAT invoice from Bohle). Ex-works (as defined by Incoterms 2010), excluding all other taxes, transport costs, insurance and installation. Packing, postage and freight are included in the price for orders above £150 (£200) net of VAT.
- Payments in £(GBP) shall be made to National Westminster Bank, sort code 01-05-83, account number 19364830. Payments in €(EUR) shall be made to Ulster Bank, sort code 995330, account number 08117189. Swift code and IBAN information can be found on invoices.
- Please note that deliveries of small or unwieldy orders (such as L-squares, straight edges, mirror profiles, long-lengths etc.) may result in a relatively high transport cost. Purchasers may consolidate such products with other orders and agree a transport cost with Bohle prior to delivery.
- Carriage to off-shore UK Islands will be charged extra at cost.
- Bohle reserves the right to adjust prices due to reasons beyond its control including exchange rates, production cost, duties, insurance, freight and other purchase costs (incl. for components & services). Bohle may also adjust prices if the Purchaser requests a change in delivery date, quantity or type of Products ordered, or the Specification, or if the Purchaser causes a delay due to any information or instructions given or not given by it.
- Bohle may invoice the Purchaser for the Products on or at any time after the Order is placed.
- Payment is to be made:
 - in advance by wire transfer or by irrevocable, confirmed letter of credit issued to Bohle's indicated bank or by cheque; or
 - if so agreed with Bohle in writing prior to the Purchaser placing an Order, within 30 days of the date of Bohle's invoice, subject to an agreed credit limit; or
 - if so agreed with Bohle in writing prior to the Purchaser placing an Order, by another payment method including credit or charge card. Cheques may only be accepted conditionally.
- With the exception of clause 4.j.ii, processing of any Order will not commence until clearance of funds.
- All bank charges are for the account of the Purchaser unless otherwise agreed in writing prior to Order.
- Without prejudice to any other right it may have, Bohle may suspend deliveries or service until payment is received in full.
- Any dispute in relation to a particular Order shall not entitle the Purchaser to withhold payment in relation to any other Order.
- Bohle shall be entitled to charge interest on late payments at a rate of 6% above the minimum bank rate of the European Central Bank on the amount overdue. Such interest shall accrue on a daily basis from the due date until the date of actual payment of the overdue amount, whether before or after judgment. Any costs incurred by Bohle in connection with receiving a late payment or recovering any overdue sum shall be paid by the Purchaser.

5. Delivery/Title/Risk

- Products are dispatched from such of Bohle's warehouses as is the most appropriate location for Bohle. The delivery period stated in any Order confirmation is approximate and time of delivery is not of the essence. Delays in delivery do not justify any kind of compensation except as otherwise expressly set out in these Conditions.
- Bohle will deliver the Products to the location set out in the Order or such other location as the parties may agree (Delivery Location) at any time after Bohle notifies the Purchaser that the Products are ready.
- Delivery of the Products shall be completed when the Products arrive at the Delivery Location.
- If the Products are not available or have been modified, Bohle reserves the right to supply similar products of equivalent functionality.
- Deliveries may be made in instalments and each such instalment shall constitute a separate Contract which may be invoiced separately. Any right to cancel one instalment shall not entitle the Purchaser to cancel any other instalment.
- Bohle shall be entitled to make partial delivery of any Order if, for example, certain Products are unavailable. Partial delivery shall not entitle the Purchaser to reject the Order.
- The Purchaser shall not be entitled to reject the Products if Bohle delivers up to and including [5]% more or less than the quantity of Products ordered, but a pro

rata adjustment shall be made to the Order invoice on receipt of notice from the Purchaser that the wrong quantity of Products was delivered.

- If the Purchaser refuses to accept a delivery without Bohle's agreement, he must pay Bohle's expenses or loss resulting from that refusal, including storage costs, until he accepts delivery. If the Purchaser has not accepted delivery of the Products within 10 working days of the date that Bohle originally delivered the Products to the Delivery Location, Bohle may resell or otherwise dispose of part or all of the Products and charge the Purchaser for any reasonable costs in connection with the storage and sale of the Products. If the Purchaser has paid in advance for the Products, Bohle will refund the purchase price less any such costs as well as any shortfall below the price of the Products.
 - Bohle shall not be liable for any delay in delivery or failure to deliver the Products that is caused by the Purchaser's failure to provide Bohle with adequate delivery instructions or by any other act or omission of the Purchaser.
 - If Bohle fails to deliver the Products, its liability shall be limited to the costs and expenses incurred by the Purchaser in obtaining replacement goods similar in description and quality in the cheapest market available, less the price of the Products.
 - Risk in the Products shall pass to the Purchaser on completion of delivery.
 - Title to the Products passes on receipt by Bohle of full payment. Until then, the Purchaser must:
 - hold the goods on a fiduciary basis as Bohle's bailee;
 - insure and store the Products separately and keep them in satisfactory condition;
 - not modify, pledge, sell or part with possession of the Products; and
 - notify Bohle if any of the events in clause 9.b shall occur.On request the Products shall be made available to Bohle for re-collection and the Purchaser shall provide any information relating to the Products as Bohle shall request. Until title in the Products has passed to the Purchaser, the Purchaser shall not purport to be the owner of the Products and shall not show such Products as stock in its accounts.
 - Bohle may at any time upon reasonable notice enter the Purchaser's premises (or any other premises where the Products are stored) for the purpose of inspecting the Products and ensuring the Purchaser's compliance with this Contract. The Purchaser shall ensure that Bohle is granted access to such premises and facilities as are reasonably necessary for the purpose of this clause.
 - If before title to the Products passes to the Purchaser, the Purchaser becomes subject to any of the events listed in clause 9.b, or Bohle reasonably believes that any such event is about to happen and notifies the Purchaser accordingly, then, without limiting any other right or remedy Bohle may have, Bohle may at any time require the Purchaser to deliver up the Products and, if the Purchaser fails to do so may, together with appropriate transport and personnel, promptly enter any premises of the Purchaser or of any third party where the Products are stored in order to recover them.
- ## 6. Acceptance
- Delivered Products must be inspected by the Purchaser promptly upon receipt of the Products. If the Purchaser does not claim any discrepancies in the delivery within 3 working days after receipt of the shipment, the Purchaser will be deemed to have accepted the Products in full.
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- ## 7. Warranty
- Subject to clause 7.c, Bohle guarantees that the Products will be free from defects for 6 months after date of invoice (Warranty Period). Should the Purchaser notify Bohle in writing within the Warranty Period of a defective product, Bohle will repair or replace the Product (at its discretion) within a reasonable time, provided that Bohle shall have reasonable opportunity to examine the Product at either the Purchaser's or Bohle's premises (at Bohle's option).
 - Any return of Products must be approved by Bohle in writing before being effected and the Purchaser shall bear the cost of carriage, postage and packaging. Any shipments received by Bohle where such costs have not been paid by the Purchaser will not be accepted.
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 - the Products differing from their description or specification as a result of changes made to ensure that they comply with applicable statutory or regulatory requirements.
 - Except as provided in this clause 7, Bohle shall have no liability to the Purchaser in respect of the Products' failure to comply with the warranty set out in clause 7.a.
 - Except as set out in these Conditions, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.
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 - Subject to clause 8.a:
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negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed [the lesser of] [repair or replacement of the Products] or £[x]m].

9. Termination

- If the Purchaser becomes subject to any of the events listed in condition 9.b, or Bohle reasonably believes that the Purchaser is about to become subject to any of them and notifies the Purchaser accordingly, then without limiting any other right or remedy Bohle may have, Bohle may cancel or suspend all further deliveries under the Contract or under any other contract between the Purchaser and Bohle without incurring any liability to the Purchaser, and all outstanding sums in respect of Products delivered to the Purchaser shall become immediately due.
- For the purpose of condition 9.a, the relevant events are:
 - the Purchaser becomes insolvent, or an order is made or a resolution is passed for the winding up of the Purchaser (other than voluntarily for the purpose of solvent amalgamation or reconstruction), or if an administrator, administrative receiver or receiver is appointed in respect of the whole or any part of the Purchaser's assets or business, or if the Purchaser makes any composition with its creditors or takes or suffers any similar or analogous action in consequence of debt, or (if the Purchaser is an individual) is the subject of a bankruptcy petition or order, or any event which has an effect equivalent or similar occurs in any jurisdiction to which the Purchaser is subject;
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 - the Purchaser's financial position deteriorates to such an extent that in Bohle's opinion the Purchaser's capability to adequately fulfill its obligations under the Contract has been placed in jeopardy; and
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 - the Purchaser has failed to pay any sum due under this Contract by its due date and such sum remains unpaid within [14] days of written notice by Bohle requiring the Purchaser to pay such sum in full.
- All sums payable under this Contract shall, upon termination of the Contract or any relevant Order (as appropriate) become immediately due and payable.
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- Bohle may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract. The Purchaser may not assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract without the prior written consent of Bohle.
- Any notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first class post, recorded delivery, commercial courier, fax or e-mail.
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last update: 03/10/2013

Order Form

Bohle Ltd.
Fifth Avenue, Tameside Park
Dukinfield,
Cheshire
SK16 4PP

Sender
Customer No.
Contact Person
Phone
Fax
Email

Article Number	Quantity	Unit*	Description	Unit Price**

☐ Please send me new order forms

Order immediately - by internet at: www.bohle-group.com
Simply return page by fax: F 0161 344 0111
or call us: T 0800 61 61 51

We look forward to hearing from you!

* Possible units: piece, pair, dozen, box, metre, pack, set, bag, litre, can, etc.

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- e. Purchaser: the person or firm who purchases the Products from Bohle.
- f. Specification: any specification for the Products, including any related plans and drawings, that is agreed in writing by the Purchaser and Bohle.
- g. Bohle: the supplier of the Products, Bohle Limited, registered in England and Wales with company number 00644864

2. Application

- a. These conditions apply to the Contract, as well as all statements made by Bohle in catalogues, brochures, price lists, quotations, on the internet or verbally, to the exclusion of any terms the Purchaser may seek to impose or which may be implied by custom, trade, practice or course of dealing. Any samples, drawings, descriptive matter, or advertising produced by Bohle and any descriptions or illustrations contained in Bohle's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Products described in them. They shall not form part of the Contract or have any contractual force.
- b. The Contract constitutes the entire agreement between the parties. The Purchaser acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of Bohle which is not set out in the Contract.
- c. Variations of these conditions are only valid if confirmed by Bohle in writing.
- d. Placing an Order constitutes the Purchaser's acceptance of these Conditions. The Purchaser will be responsible for ensuring that the terms of the Order and any Specification submitted by the Purchaser are complete and accurate.
- e. Bohle may change these Conditions at its discretion [and Bohle will notify the Purchaser of any amendments to the Conditions]. For the avoidance of doubt, the Purchaser will be bound by the Conditions in force at the date of placing the relevant Order.

3. Orders/Contract

- a. Any Orders received (whether by mail, internet, phone or fax) will be deemed to have been accepted unless the Purchaser is otherwise notified by Bohle.

4. Price & Payment Terms

- a. Quotations are only valid in writing and for the stated period. A quotation shall not constitute an offer.
- b. The price for the Products shall be the price set out in Bohle's published price list at the date of the Purchaser's order, unless otherwise agreed in writing with Bohle.
- c. Bohle reserves the right to amend the specification of the Products at any time but guarantees that the amended products will deliver at least equivalent functionality and performance.
- d. Prices are to be understood in £(GBP) unless otherwise agreed with Bohle, net of any deductions or discounts applicable, exclusive of VAT (which shall be payable by the Purchaser in addition on receipt of a VAT invoice from Bohle), Ex-works (as defined by Incoterms 2010), excluding all other taxes, transport costs, insurance and installation. Packing, postage and freight are included in the price for orders above £150 (€200) net of VAT.
- e. Payments in £(GBP) shall be made to National Westminster Bank, sort code 01-05-63, account number 19364830. Payments in €(EUR) shall be made to Ulster Bank, sort code 985330, account number 08117189. Swift code and IBAN information can be found on invoices.
- f. Please note that deliveries of small or unwieldy orders (such as L-squares, straight edges, mirror profiles, long-lengths etc.) may result in a relatively high transport cost. Purchasers may consolidate such products with other orders and agree a transport cost with Bohle prior to delivery.
- g. Carriage to off-shore UK Islands will be charged extra at cost.
- h. Bohle reserves the right to adjust prices due to reasons beyond its control including exchange rates, production cost, duties, insurance, freight and other purchase costs (incl. for components & services). Bohle may also adjust prices if the Purchaser requests a change in delivery date, quantity or type of Products ordered, or the Specification, or if the Purchaser causes a delay due to any information or instructions given or not given by it.
- i. Bohle may invoice the Purchaser for the Products on or at any time after the Order is placed.
- j. Payment is to be made:
 - i. in advance by wire transfer or by irrevocable, confirmed letter of credit issued to Bohle's indicated bank or by cheque; or
 - ii. if so agreed with Bohle in writing prior to the Purchaser placing an Order, within 30 days of the date of Bohle's invoice, subject to an agreed credit limit; or
 - iii. if so agreed with Bohle in writing prior to the Purchaser placing an Order, by another payment method including credit or charge card. Cheques may only be accepted conditionally.
- k. With the exception of clause 4.j.ii, processing of any Order will not commence until clearance of funds.
- l. All bank charges are for the account of the Purchaser unless otherwise agreed in writing prior to Order.
- m. Without prejudice to any other right it may have, Bohle may suspend deliveries or service until payment is received in full.

- n. Any dispute in relation to a particular Order shall not entitle the Purchaser to withhold payment in relation to any other Order.
- o. Bohle shall be entitled to charge interest on late payments at a rate of 6% above the minimum bank rate of the European Central Bank on the amount overdue. Such interest shall accrue on a daily basis from the due date until the date of actual payment of the overdue amount, whether before or after judgment. Any costs incurred by Bohle in connection with receiving a late payment or recovering any overdue sum shall be paid by the Purchaser.

5. Delivery/Title/Risk

- a. Products are dispatched from such of Bohle's warehouses as is the most appropriate location for Bohle. The delivery period stated in any Order confirmation is approximate and time of delivery is not of the essence. Delays in delivery do not justify any kind of compensation except as otherwise expressly set out in these Conditions.
- b. Bohle will deliver the Products to the location set out in the Order or such other location as the parties may agree (Delivery Location) at any time after Bohle notifies the Purchaser that the Products are ready.
- c. Delivery of the Products shall be completed when the Products arrive at the Delivery Location.
- d. If the Products are not available or have been modified, Bohle reserves the right to supply similar products of equivalent functionality.
- e. Deliveries may be made in instalments and each such instalment shall constitute a separate Contract which may be invoiced separately. Any right to cancel one instalment shall not entitle the Purchaser to cancel any other instalment.
- f. Bohle shall be entitled to make partial delivery of any Order if, for example, certain Products are unavailable. Partial delivery shall not entitle the Purchaser to reject the Order.
- g. The Purchaser shall not be entitled to reject the Products if Bohle delivers up to and including [5]% more or less than the quantity of Products ordered, but a pro rata adjustment shall be made to the Order invoice on receipt of notice from the Purchaser that the wrong quantity of Products was delivered.
- h. If the Purchaser refuses to accept a delivery without Bohle's agreement, he must pay Bohle's expenses or loss resulting from that refusal, including storage costs, until he accepts delivery. If the Purchaser has not accepted delivery of the Products within 10 working days of the date that Bohle originally delivered the Products to the Delivery Location, Bohle may resell or otherwise dispose of part or all of the Products and charge the Purchaser for any reasonable costs in connection with the storage and sale of the Products. If the Purchaser has paid in advance for the Products, Bohle will refund the purchase price less any such costs as well as any shortfall below the price of the Products.
- i. Bohle shall not be liable for any delay in delivery or failure to deliver the Products that is caused by the Purchaser's failure to provide Bohle with adequate delivery instructions or by any other act or omission of the Purchaser.
- j. If Bohle fails to deliver the Products, its liability shall be limited to the costs and expenses incurred by the Purchaser in obtaining replacement goods similar in description and quality in the cheapest market available, less the price of the Products.
- k. Risk in the Products shall pass to the Purchaser on completion of delivery.
- l. Title to the Products passes on receipt by Bohle of full payment. Until then, the Purchaser must:
 - i. hold the goods on a fiduciary basis as Bohle's bailee;
 - ii. insure and store the Products separately and keep them in satisfactory condition;
 - iii. not modify, pledge, sell or part with possession of the Products; and
 - iv. notify Bohle if any of the events in clause 9.b shall occur.On request the Products shall be made available to Bohle for re-collection and the Purchaser shall provide any information relating to the Products as Bohle shall request. Until title in the Products has passed to the Purchaser, the Purchaser shall not purport to be the owner of the Products and shall not show such Products as stock in its accounts.
- m. Bohle may at any time upon reasonable notice enter the Purchaser's premises (or any other premises where the Products are stored) for the purpose of inspecting the Products and ensuring the Purchaser's compliance with this Contract. The Purchaser shall ensure that Bohle is granted access to such premises and facilities as are reasonably necessary for the purpose of this clause.
- n. If before title to the Products passes to the Purchaser, the Purchaser becomes subject to any of the events listed in clause 9.b, or Bohle reasonably believes that any such event is about to happen and notifies the Purchaser accordingly, then, without limiting any other right or remedy Bohle may have, Bohle may at any time require the Purchaser to deliver up the Products and, if the Purchaser fails to do so may, together with appropriate transport and personnel, promptly enter any premises of the Purchaser or of any third party where the Products are stored in order to recover them.

6. Acceptance

- a. Delivered Products must be inspected by the Purchaser promptly upon receipt of the Products. If the Purchaser does not claim any discrepancies in the delivery within 3 working days after receipt of the shipment, the Purchaser will be deemed to have accepted the Products in full.
- b. If Bohle agrees that the Purchaser may return Products, they must be in their original condition (unused, undamaged, in original packaging) and accompanied by a return note as well as proof of purchase. Any return charges must be paid by the Purchaser and a re-stocking charge of 20% of the Products value or £20 (GBP) whichever is the greater will be charged to the Purchaser for any goods

returned through no fault of Bohle.

- c. The Purchaser may not return any Products which have been custom made to the Purchaser's specification, or where any item comprised in the Order has been specially ordered by Bohle to satisfy such Order.
- d. Products received in an obviously damaged condition (including damaged packaging) should be either rejected by the Purchaser on delivery, or, if signed for, then signed for as "Received in damaged condition", regardless of carrier paperwork instructions and of carrier driver information. Failure to do this will result in any claim for damage being rejected.

7. Warranty

- a. Subject to clause 7.c, Bohle guarantees that the Products will be free from defects for 6 months after date of invoice (Warranty Period). Should the Purchaser notify Bohle in writing within the Warranty Period of a defective product, Bohle will repair or replace the Product (at its discretion) within a reasonable time, provided that Bohle shall have reasonable opportunity to examine the Product at either the Purchaser's or Bohle's premises (at Bohle's option).
- b. Any return of Products must be approved by Bohle in writing before being effected and the Purchaser shall bear the cost of carriage, postage and packaging. Any shipments received by Bohle where such costs have not been paid by the Purchaser will not be accepted.
- c. Bohle will not accept warranty protection claims for damage caused by:
 - i. the Purchaser's failure to comply with Bohle's instructions (or if none are given, good industry practice) regarding the installation, use, storage, commissioning, modification or repair by the Purchaser or any unauthorised third party of the Products;
 - ii. the Purchaser making further use of the Products after giving notice in accordance with condition 7.a;
 - iii. Bohle following any drawing, design or Specification supplied by the Purchaser;
 - iv. the Purchaser altering or repairing the Products without the written consent of Bohle;
 - v. fair wear and tear, willful damage, negligence or abnormal storage or working conditions; or
 - vi. the Products differing from their description or specification as a result of changes made to ensure that they comply with applicable statutory or regulatory requirements.
- d. Except as provided in this clause 7, Bohle shall have no liability to the Purchaser in respect of the Products' failure to comply with the warranty set out in clause 7.a.
- e. Except as set out in these Conditions, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.
- f. These Conditions shall apply to any repaired or replacement Products supplied by Bohle.

8. Liability

- a. Nothing in these Conditions shall limit or exclude Bohle's liability for:
 - i. death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable);
 - ii. fraud or fraudulent misrepresentation;
 - iii. breach of the terms implied by section 12 of the Sale of Goods Act 1979; or
 - iv. any matter in respect of which it would be unlawful for Bohle to exclude or restrict liability.
- b. Subject to clause 8.a:
 - i. Bohle shall under no circumstances whatever be liable to the Purchaser, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and
 - ii. Bohle's total liability to the Purchaser in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed [the lesser of] [repair or replacement of the Products] [or £x]m.

9. Termination

- a. If the Purchaser becomes subject to any of the events listed in condition 9.b, or Bohle reasonably believes that the Purchaser is about to become subject to any of them and notifies the Purchaser accordingly, then without limiting any other right or remedy Bohle may have, Bohle may cancel or suspend all further deliveries under the Contract or under any other contract between the Purchaser and Bohle without incurring any liability to the Purchaser, and all outstanding sums in respect of Products delivered to the Purchaser shall become immediately due.
- b. For the purpose of condition 9.a, the relevant events are:
 - i. the Purchaser becomes insolvent, or an order is made or a resolution is passed for the winding up of the Purchaser (other than voluntarily for the purpose of solvent amalgamation or reconstruction), or if an administrator, administrative receiver or receiver is appointed in respect of the whole or any part of the Purchaser's assets or business, or if the Purchaser makes any composition with its creditors or takes or suffers any similar or analogous action in consequence of debt, or (if the Purchaser is an individual) is the subject of a bankruptcy petition or order, or any event which has an effect equivalent or similar occurs in any jurisdiction to which the Purchaser is subject;
 - ii. the Purchaser suspends, threatens to suspend, ceases or threatens to cease to carry on all or substantially the whole of its business;
 - iii. the Purchaser's financial position deteriorates to such an extent that in Bohle's opinion the Purchaser's capability to adequately fulfill its obligations under the Contract has been placed in jeopardy; and
 - iv. (being in individual) the Purchaser dies or by reason of illness or incapacity (whether mental or physical) is incapable of managing his or her own affairs or becomes a patient under any mental health legislation.
- c. Bohle may terminate the Contract, including any Order placed but not yet processed, immediately upon written notice to the Purchaser if:

- i. the Purchaser is in material breach of any of the terms of this Contract and fails to remedy such breach within [14] days of written notice requiring it to do so by Bohle; or
 - ii. the Purchaser has failed to pay any sum due under this Contract by its due date and such sum remains unpaid within [14] days of written notice by Bohle requiring the Purchaser to pay such sum in full.
- d. All sums payable under this Contract shall, upon termination of the Contract or any relevant Order (as appropriate) become immediately due and payable.
- e. Upon termination of the Contract, the Purchaser shall deliver to Bohle any Products in its possession to which title has not passed to the Purchaser. Failure to do so within a reasonable time shall entitle Bohle (without prejudice to any other right or remedy available to Bohle) to enter onto the Purchaser's premises or such other premises where the Products are stored, together with appropriate transport and personnel, to repossess the Products.
- f. Termination of the Contract, however arising, shall not affect either of the parties' rights and remedies that have accrued at termination. Clauses which expressly or by implication survive termination of the Contract shall continue in full force and effect.

10. Force Majeure

- a. Bohle shall not be liable for failure or delays in delivery or service caused by circumstances beyond their reasonable control (which may include strikes, lock-outs or other industrial disputes whether involving its own workforce or a third party's), failure of energy sources or transport network, acts of God, war, terrorism, riot, civil commotion, interference by civil or military authorities, national or international calamity, armed conflict, malicious damage, breakdown of plant or machinery, nuclear, chemical or biological contamination, sonic boom, explosions, collapse of building structures, fires, floods, storms, earthquakes, loss at sea, epidemics or similar events, natural disasters or extreme adverse weather conditions, or default of suppliers or subcontractors) and Bohle will be entitled to an appropriate delivery time extension for the fulfilment of the Order.

11. Jurisdiction

- a. The Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, English law, and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

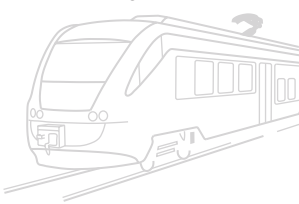
12. General

- a. Bohle may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract. The Purchaser may not assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract without the prior written consent of Bohle.
- b. Any notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first class post, recorded delivery, commercial courier, fax or e-mail.
- c. A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in clause 12.b; if sent by pre-paid first class post or recorded delivery, at 9.00 am on the second working day after posting; if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; or, if sent by fax or e-mail, one working day after transmission.
- d. The provisions of clauses 12.b and 12.c shall not apply to the service of any proceedings or other documents in any legal action.
- e. If any court or competent authority finds that any provision of the Contract (or part of any provision) is invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed to be deleted, and the validity and enforceability of the other provisions of the Contract shall not be affected. If any invalid, unenforceable or illegal provision of the Contract would be valid, enforceable and legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.
- f. A waiver of any right or remedy under the Contract is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default. No failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it preclude or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.
- g. A person who is not a party to the Contract shall not have any rights under or in connection with it.

last update: 03/10/2013

Important procedures in case of transport damage

- Do not change packing or contents.
- Do not use the products!
- Inform the forwarder of the damage.
- The table below explains the important steps!
- Inform Bohle directly of the damage!
- Before accepting the delivery, make sure the number of cartons/packages is correct.
- Later claims regarding missing products can only be accepted in exceptional cases.
- Damaged or short deliveries must be reported to Bohle within 3 days of receipt of delivery.

Transport by:	Packaging damaged:	Packaging fine but contents damaged:	What we need from you:
Parcel Service 	Refuse the package altogether or, when accepting the package, make a note on the delivery slip of the parcel service and inform the corresponding depot immediately.	Inform the corresponding depot immediately after having received the goods as otherwise there is no insurance coverage.	The package number and number of delivery note. Without these, an acknowledgement of the damage is not possible.
Postal Service 	Request a written confirmation from the post man or refuse the package.	Inform the corresponding post office and request their visit and confirmation of the facts. Present original package within 24 hours.	Damage confirmation from the Post Office. Without it processing is not possible.
Train 	Refuse the delivery or unpack in presence of a member of the carrier's business and request a confirmation of the facts from the goods department.	Inform the corresponding goods department and request their visit and confirmation of the facts. Damages must be claimed within one week.	An official confirmation of facts and the original consignment note with endorsement on the back. Without these, an acknowledgement of the damage is not possible.
Forwarder 	Refuse delivery or, when accepting, make a corresponding comment on the delivery note of the forwarder and inform the forwarder immediately.	Inform the forwarder immediately after receipt of the delivery as otherwise there is no insurance coverage.	Copy of the receipt slip with indication of damage.

How to contact Bohle

United Kingdom and Ireland

Bohle Online Shop	www.bohle-group.com
Email	info@bohle.ltd.uk
Sales Telephone	0161 342 1100
Freephone:	0800 616151
Sales Fax	0161 344 0111
Machinery Sales & Support	0161 342 1104
Account Payments Direct	0161 342 1112
Pickup & Postal Address	Fifth Avenue, Tameside Park, Dukinfield Cheshire SK16 4PP

Office hours

Monday to Friday 8.00 am - 5.00 pm

Collecting goods

Monday to Friday 9.00 am - 3.30 pm



United Kingdom and Ireland

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