Bohle

Bohle America Main Catalog

Everything for Glass Professionals

The Bohle product brands

Bohle has always put high emphasis on the quality of both our products and our service. Our corporate philosophy does not only comprise expert advice in application related issues and professional support in finding the right product, we also strive to be your competent partner in your everyday routine - by personal visits and the transfer of knowledge.

The Bohle brands have been established 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 well-known Diamantor® brand offers specialised glass cutters and a wide range of diamond tools for smaller machines.

VERIBOR

The Veribor® range offers a large selection of different models and stands 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.

Content

The Bohle Online Shop

The Bohle Online Shop offers you our latest product range around the clock in a clearly structured and informative way. Look forward to a clearer layout, excellent performance and improved functionality: www.bohle-america.com

Optimized 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.

24/7 the latest product portfolio.

Glass Cutting
Glass Breaking

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. Brand names like Silberschnitt® and Diamantor® have gained a world-wide reputation since then and still today are Bohle´s core competence. In this product range you will find the world´s largest selections of products for cutting and breaking flat glass.

01 | Manual Glass Cutting

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.

Silberschnitt 2000

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 tank 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

Silberschnitt 2000

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

ⓘ Cutting angle 155° · Straight edge stand-off distance 1/4 inch ~ 6 mm · Glass thickness 1/4 - 1/2 inch ~ 6 - 12 mm

Art. No.
BO 2000.M

▶ Oil Glass Cutter Silberschnitt® 2000 STANDARD

Silberschnitt 2000

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

ⓘ Cutting angle 145° · Straight edge stand-off distance 1/4 inch ~ 6 mm · Glass thickness up to 1/8 - 1/4 inch ~ 3 - 6 mm

Art. No.	
BO 2000.S	Oil Glass Cutter

▶ Oil Glass Cutter Silberschnitt® 2000 POWER

Silberschnitt 2000

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

ⓘ Cutting angle 158° · Straight edge stand-off distance 1/4 inch ~ 6 mm · Glass thickness up to 1/2 - 3/4 inch ~ 12 - 19 mm

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

▶ Cutting head Silberschnitt® 2000

Silberschnitt 2000

For Silberschnitt® 2000 oil glass cutters and circle cutters

Art. No.	Glass thickness · Cutting angle
BO 2449.0	1/12 - 1/8 inch (0.8 - 2 mm) · Wheel Holder 120°
BO 2449.1	1/12 - 1/16 inch (1 - 2 mm) · Wheel Holder 127°
BO 2449.2	1/16 - 3/16 inch (2 - 4 mm) · Wheel Holder 135°
BO 2449.3	1/6 - 3/16 inch (3 - 5 mm) · Wheel Holder 140°
BO 2449.4	1/4 - 3/8 inch (4 - 6 mm) · Wheel Holder 145°
BO 2449.5	1/4 - 1/2 inch (4 - 8 mm) · Wheel Holder 150°
BO 2449.6	1/4 - 3/5 inch (6 - 12 mm) · Wheel Holder 155°
BO 2449.7	1/2 - 3/4 inch (12 - 19 mm) · Wheel Holder 158°
BO 2449.8	3/4 - 1 inch (19 - 25 mm) · Wheel Holder 160°
BO 2449.9	3/4 - 1 inch (19 - 25 mm) · Wheel Holder 165°

▶ 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 the series 2000, 5000 as well as BO 448.8 · individually adjustable to hand size

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

Metric specifications are exact · inches are approximate

Toyo Glass Cutters

These are Genuine Toyo products - well known and widely used across North America for decades - Bohle respects your freedom of choice, but also only offers the you the genuine brands you can trust (no copy products here) - Made in Japan

▶ Toyo TC 17 B/P Original Supercutter

The Original Supercutter is a durable favorite · featuring an oil-feed system to lubricate the wheel · available with brass or clear acrylic barrel · genuine Toyo product · Made in Japan

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm

Art. No.	Model no. · Cutting Head · Handle
BO 6021194	TC17B · wide · brass
BO 6021195	TC17P · wide · transparent plastic
BO 6021196	Spare cutting head, wide

▶ Oil Glass Cutter Toyo

Narrow cutting head · Carbide Cutting Wheels

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 9/16 inch ~ 3 - 15 mm

Art. No.	Model no. · Cutting Head · Handle · Description
BO 6021201	TC10B · narrow · brass
BO 6021204	TC 1 P · narrow · transparent plastic
BO 6021203	Spare cutting head, narrow · Spare cutting head for TOYO TC 10 (narrow)

▶ Toyo TC 1 P Comfort-grip Supercutter

Uses a simplified oil-feed system for a light compact design - avalable in 6 different colours and clear acrylic handle - Genuine Toyo product - Made in Japan

ⓘ Cutting angle 138° · Glass thickness 1/8 - 9/16 inch ~ 3 - 15 mm

Art. No.	Model no. · Cutting Head · Handle · Description
BO 6021204	TC 1 P · narrow · transparent plastic
BO 6021203	Spare cutting head, narrow · Spare cutting head for TOYO TC 10 (narrow)

▶ Oil Glass Cutter Toyo

Model Thomas Grip · with rotating grip for ergonomical handling

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Carbide Cutting Wheels

Art. No.	Cutting Head · Description
BO 6021203	Spare cutting head, narrow · Spare cutting head for TOYO TC 10 (narrow)

▶ Toyo TC 600 Pistol-grip Supercutter

The Pistol-grip Supercutter has a special shape handle to provide greater leverage with less effort - popular in the classroom, and with beginners or those with limited strength - Original Toyo product - Made in Japan

Art. No.	Description
BO 6021205	TC600 S - wide cutting head

▶ Toyo TC21 Custom-grip Supercutter

The Custom-grip Supercutter features a new 4-position handle for better down force, as well as a new spring-controlled oil flow system - in 6 fluorescent colors - Original Toyo product - Made in Japan

Art. No.	Description
BO 6021210	TC21 SVR - wide cutting head
BO 6021211W	Spare cutting head, wide
BO 6021211N	Spare cutting head, narrow

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 specialized 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 · Top value for money!

ⓘ Cutting angle 140° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/2 inch ~ 3 - 12 mm · Wide cutting head

Art. No.	Description
BO 5000.0	brass handle

Metric specifications are exact · inches are approximate

► Silberschnitt® 3000 Oil Glass Cutter

Silberschnitt

The new Silberschnitt® 3000 Oil Glass Cutter is the successor model of the BO 5001.0 / 4001.1 plastic glass cutters. It is even more leak proof and convinces thanks to its ergonomic plastic handle with finger grips. The cutting head and cutting wheels are identical to the predecessor model, i.e. they meet highest quality standards and surpass all other glass cutters on the market when it comes to cutting comfort and service life. Packed per piece, available in packaging box with 10 pieces.Transparent blue plastic handle with improved cutting characteristics · Wide cutting head · Original Toplife quality with considerably extended service life · Top value for money!

ⓘ Cutting angle 140°, straight edge stand-off distance 2.5 mm, ideal for glass thicknesses ranging from 2 to 10 mm.

140° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/2 inch ~ 3 - 12 mm · Wide cutting head

Art. No.	Description
BO 3001.0	Wide cutting head

► Spare Cutting Head Silberschnitt® 5000

Silberschnitt

For all Silberschnitt® oil glass cutters and speed cutters

ⓘ Cutting angle 140° · Glass thickness 1/8 - 1/2 inch ~ 3 - 12 mm · Wide cutting head

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

► Oil Glass Cutter Silberschnitt® 4000 Active Plus

Silberschnitt

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

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm · Wide cutting head

Art. No.	
BO 4000.0EA	Oil Glass Cutter

► Cutting Head Silberschnitt® Active Plus

Silberschnitt

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

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm

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

▶ Oil Glass Cutter Silberschnitt® 4000

Silberschnitt

Brass handle with finger grips

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm · Cutting head turns 30° · Narrow cutting head

Art. No.	Description · Cutting head
BO 4000.1	SILBERSCHNITT 4000 Oil Glass Cutter · 138°
BO 4010.1	Spare cutting head, narrow · 138°

▶ Silberschnitt® 3000 Oil Glass Cutter

Silberschnitt

Transparent blue plastic handle

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm · Narrow cutting head

Art. No.	Description · Cutting head
BO 3001.1	Oil Glass Cutter · Narrow cutting head
BO 4010.1	Spare cutting head, narrow · 138°

▶ Cutting Head Silberschnitt®

Silberschnitt

For all Silberschnitt® oil glass cutters and speed cutters

ⓘ Cutting angle 138° · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm · Narrow cutting head

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

Renowned Silberschnitt® Oil Glass Cutter

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

Silberschnitt

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.

ⓘ Cutting angle 127° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm

Art. No.	Description · Cutting angle
BO 441.5	Oil glass cutter with 127° wheel
BO 4010.5	Replacement cutting head 127°

Metric specifications are exact · inches are approximate

▶ Oil Glass Cutter Silberschnitt®

Silberschnitt

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

ⓘ Cutting angle 140° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm

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

▶ Oil Glass Cutter Silberschnitt®

Silberschnitt

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

ⓘ Cutting angle 140° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/2 inch ~ 3 - 12 mm · Cutting head turns 30°

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

▶ Bohle Speed Cutter

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

Art. No.	Cutting width · Cutting angle · Description
BO 4580.0	4 5/16 - 23 5-8 inch (110 - 600 mm) · 138°
BO 4580.1	4 5/16 - 47 1/4 inch (110 - 1200 mm) · 138°
BO 4580.2	4 5/16 - 70 7/8 inch (110 - 1800 mm) · 138°
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°

Glass Cutters with Carbide Wheels

Carbide metal cutting wheels are the 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

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 light-weight cutting head made of special alloy · very fine, smooth cutting · an ideal all-purpose glass cutter · wheels not exchangeable

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch 2.5 mm · Glass thickness 1/16 - 1/4 inch ~ 2 - 6 mm

Art. No.	Plastic handle · Cutting angle
BO 2004.0	blue
BO 2004.01	orange
BO 2004.116	116°

▶ Carbide Glass Cutter Silberschnitt®

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

ⓘ Cutting angle 135° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm · Carbide Cutting Wheels 5/16 inch ~ 5 mm ø

Art. No.	Description
BO 400.0	Carbide Glass Cutter

▶ Carbide Glass Cutter Silberschnitt®

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

ⓘ Cutting angle 120° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/16 - 1/4 inch ~ 2 - 6 mm

Art. No.	Description
BO 400.1	Carbide glass cutter

Metric specifications are exact · inches are approximate

▶ Carbide Glass and Tile Cutter Silberschnitt®

Silberschnitt

Ergonomical plastic handle especially for cutting tiles with strong pressure · replaceable, hardened turret with a carbide cutting wheel ø 13/16" (5 mm)

ⓘ Cutting angle 135° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 5/16 inch ~ 3 - 8 mm

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

▶ Carbide Wheel Silberschnitt® Basic

For glass cutter BO 400.0, BO 410.0 and BO 400.1

ⓘ Grind Basic · Diameter 3/16 inch ~ 5 mm · Thickness 1/16 inch ~ 1 mm · Bore hole 1/16 inch ~ 1.3 mm

Art. No.	Angle · Grind · Packaging · For
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 cutter BO 400.0, BO 410.0 and BO 400.1

ⓘ Carbide Cutting Wheels with 3/16 inch ~ 5 mm ø

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

▶ Container for Glass Cutters

Made of aluminum for safe storing

Art. No.	
BO 671.1	Container for Glass Cutters

▶ Carbide Glass Cutter Diamantor®

DIAMANTOR

ⓘ Cutting angle 135° · Straight edge stand-off distance 1 inch ~ 2.5 mm · Glass thickness 1/8 - 5/16 inch ~ 3 - 8 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

ⓘ Cutting angle 158° · Straight edge stand-off distance 1/4 inch ~ 6 mm · Glass thickness up to 1/2 - 3/4 inch ~ 12 - 19 mm

Art. No.	Description · Glass thickness · Cutting angle
BO 2003.0	Thick glass cutter
BO 2449.7	1/2 - 3/4 inch (12 - 19 mm) · Wheel Holder 158°

▶ Glass Tube Cutter

Nickel-plated · for glass tubes of 9/32" - 1 3/16" (4 - 30 mm) diameters

ⓘ Cutting angle 90°

Art. No.	Description · Cutting angle
BO 5000117	Glass tube cutter
BO 5000118	Spare Wheel 90°

Metric specifications are exact · inches are approximate

Glass Cutters with Steel Wheels

Cutting wheels made of hardened steel were the first items Josef Bohle started to produce in 1923. 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 an especially 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.

ⓘ Cutting angle 130° · Straight edge stand-off distance 1 inch ~ 2.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm · Packaging unit 12 items

Art. No.
BO 100.0

The Original!
Proven a million times over and known worldwide. The best selling glass cutter in the world!

▶ Spare Turret Silberschnitt®

Suitable for Silberschnitt® glass cutters as well as circle cutter BO 516.0
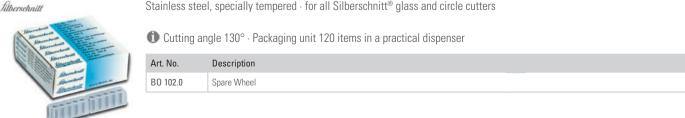
ⓘ Cutting angle 130° · Packaging unit 12 items

Art. No.	Description
BO 101.0	Silberschnitt® Spare Turret

▶ Spare Wheel Silberschnitt®

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

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

Art. No.	Description
BO 102.0	Spare Wheel

▶ Spare Wheel Silberschnitt®

Silberschnitt

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

ⓘ Cutting angle 130° · Packaging unit 12 items

Art. No.	Description
BO 102.1	Spare Wheel

▶ Glass Cutter Silberschnitt®

Heavy duty model

ⓘ Cutting angle 130° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm

Art. No.	Description
BO 110.0	Glass Cutter

▶ Glass Cutter Diamantor® with Wooden Handle

DIAMANTOR

Rounded wooden handle · with one steel wheel ·

ⓘ Cutting angle 130° · Straight edge stand-off distance 1/16 inch ~ 1.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm · Packaging unit 12 items

Art. No.
BO 200.1

America's number 1
Selling Hand-cutter

Metric specifications are exact · inches are approximate

Thick Glass Cutting

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

▶ Thick Glass Cutting Kit in Aluminum 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 aluminum carrying case included.
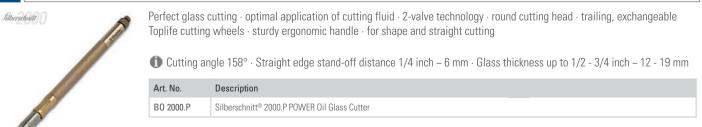
ℹ Glass thickness up to 13/16 inch ~ 20 mm · Diameter max. 47 1/4 inch ~ 120 cm

Art. No.
BO 2740.0

This set is comprised of the following articles:

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 · 2-valve technology · round cutting head · trailing, exchangeable Toplife cutting wheels · sturdy ergonomic handle · for shape and straight cutting

ℹ Cutting angle 158° · Straight edge stand-off distance 1/4 inch ~ 6 mm · Glass thickness up to 1/2 - 3/4 inch ~ 12 - 19 mm

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

▶ Cutting head

Silberschnitt

For Silberschnitt® 2000 oil glass cutters and circle cutters

Art. No.	Glass thickness · Cutting angle
BO 2449.7	1/2 - 3/4 inch (12 - 19 mm) · Wheel Holder 158°
BO 2449.8	3/4 - 1 inch (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 the series 2000, 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

Silberschnitt 2000

Used with special Bohle straight edges (3/8" - 10 mm) · together 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°.

ⓘ Glass thickness up to 1 inch ~ 25 mm

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

This set is comprised of the following articles:

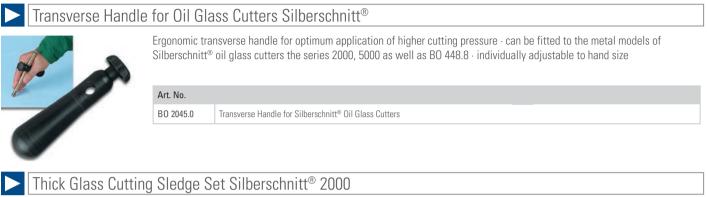|		
BO 2000.P	Oil Glass Cutter	1 pc.
BO 2045.0	Transverse Handle for Silberschnitt® Oil Glass Cutters	1 pc.
BO 5002800	Silberschnitt® Cutting Fluid for Thick Glass	1 bottle
BO 5002810	Dispenser for Cutting Fluid	1 pc.

▶ Thick Glass Cutter Silberschnitt® 2000

Silberschnitt 2000

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

ⓘ Cutting angle 158° · Straight edge stand-off distance 1/4 inch ~ 6 mm · Glass thickness up to 1/2 - 3/4 inch ~ 12 - 19 mm

Art. No.	Description · Glass thickness · Cutting angle
BO 2003.0	Thick glass cutter
BO 2449.7	1/2 - 3/4 inch (12 - 19 mm) · Wheel Holder 158°

Metric specifications are exact · inches are approximate

▶ Thick Glass Circle Cutter Silberschnitt®

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

ⓘ Cutting angle 158° · Glass thickness 3/8 - 1 inch ~ 10 - 25 mm

Art. No.	Diameter · Glass thickness · Cutting angle
BO 521.0	7-7/8 - 47-1/4 inch (20 - 120 cm)
BO 2449.7	1/2 - 3/4 inch (12 - 19 mm) · Wheel Holder 158°

▶ Cut Running Pliers Silberschnitt®

Silberschnitt

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

ⓘ Cutting length up to 236-1/4 inch ~ 6 m

Art. No.	Description · Glass thickness
BO 702.0	Cut Running Pliers · up to 1 inch (25 mm)
SP B0734.1	Spare plastic tip · 3/8 x 9/16" (10 x 14 mm)
BO 702.5	Pressure Bar · 3 1/8" - 1/2" (80 x 12 mm)

▶ Cut Opening Tapper for Thick Glass Silberschnitt®

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	3/8 - 13/16 inch (10 - 20 mm)
BO 710.1	9/16 - 1 inch (15 - 25 mm)

Circle Cutters

Cutting circles puts high requirements on the cutting quality - especially when thick glass is cut. 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® with Ball-bearing Cutting Head

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

ⓘ Cutting angle 135° · Diameter min. 2 13/16 inch ~ 72 mm

Art. No.	Diameter · Glass thickness · Cutting angle · Description · Version
BO 511.51	24"
BO 2449.2	1/16 - 3/16 inch (2 - 4 mm) · Wheel Holder 135°
BO 518.5	Cutting head · Metal
BO 519.5	Spare suction pad

▶ Circle Cutter Silberschnitt® with 6 Steel Wheels

Wheels and turret can be easily exchanged

ⓘ Cutting angle 130° · Diameter min. 2-13/16 inch ~ 72 mm

Art. No.	Diameter · Description
BO 511.1	24"
BO 514.1	48"
BO 516.1	80"
BO 518.0	Cutting Head for Circle Cutters
BO 101.0	Silberschnitt® Spare Turret
BO 519.5	Spare suction pad
BO 101.0	Silberschnitt® Spare Turret

Metric specifications are exact · inches are approximate

▶ Circle cutter for series Silberschnitt®

Especially to cut small, round glass parts of 3/8" - 7 1/4" ø (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 paper-based laminate are only available separately

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

Art. No.	Glass thickness · Cutting angle
BO 534.1	Circle cutter for series
BO 2449.6	1/4 - 3/5 inch (6 - 12 mm) · Wheel Holder 155°

▶ Circle Cutter for Circles Silberschnitt®

Ball-bearing · for small circles up to 3 1/2" ø (9 cm ø) · replaceable steel holder with Silberschnitt® carbide micro wheel for small radii

ℹ Glass thickness up to 1/4 inch ~ 6 mm · Cutting angle 140°

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

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. Felxible shape templates allow even difficult shapes to be easily transferred.

▶ 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 tempered glass · for manual corner cutting in flat glass · comes in a practical storage case

ⓘ Radius 1/4 inch ~ 7 mm · Glass thickness 1/8" - 5/8" inch ~ 3 - 15 mm

Art. No.	
BO 578.0	

This set is comprised of the following articles:

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 tempered glass and shop fitting · includes case

ⓘ Radius 1/4 inch ~ 7 mm · Glass thickness up to 3/8 inch ~ 10 mm

Art. No.	
BO 578.2	

This set is comprised of the following articles:

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.

Metric specifications are exact · inches are approximate

▶ Template for Corner and Triangular Lateral Cut-Outs

Plastic · with 2 suction pads for secure fixation · stoppers adjustable for corner or lateral cut-outs · infinitely adjustable · corner cut-outs adjustable from 1-3/4" to 15-3/4" (45 to 400 mm), lateral cut-outs adjustable from 1-3/4" - 13-3/4 (45 to 350 mm)

ℹ Corner radius 1/4 inch ~ 7 mm

Art. No.	
BO 078.1	

▶ Template for Corner Cut-Outs

Plastic · with 2 suction pads for secure fixation · infinitely adjustable from 1-3/4" - 6-7/8" (45 to 175 mm)

ℹ Corner radius 1/4 inch ~ 7 mm

Art. No.	
BO 078	Template for Corner Cut-Outs

▶ Template for Lateral Cut-Outs

Plastic · 2 suction pads for secure fixation · infinitely adjustable from min. 1-9/16" x 3/8" (40 x 10 mm) to max. 9-7/16" x 3-15/16" (240 x 100 mm)

ℹ Corner radius 1/4 inch ~ 7 mm

Art. No.	
BO 078.2	Template for Lateral Cut-Outs

▶ Radius Corner Template

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

ℹ Straight edge stand-off distance 1/4 inch ~ 6 mm · Radius 3/8 - 2 3/4 inch ~ 10 - 70 mm

Art. No.	
BO 078.5	Radius Corner Template

▶ Radius Corner Template

Plastic · for use with all standard glass cutters with 1/8" (2.5 mm) straight edge stand-off distance

ℹ Radius 3/8 - 2 3/4 inch ~ 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 holders BO 670.5 (please order separately) · Recommended: three suction holders for 2- 11-7/16" (90 cm), six suction holders for 5- 10-7/8" (180 cm)

ⓘ Material: made of flexible metal band

Art. No.	Length · Width
BO 5140509	35-7/16 inch (90 cm) · 1-9/16 inch (40 mm)
BO 5140518	70-7/8 inch (180 cm) · 1-9/16 inch (40 mm)

▶ Suction Holder

For shape template BO 51 405 09 / BO 51 405 18 · for fixation onto glass surface

Art. No.	Description
BO 670.5	Suction holder
BO 519.5	Spare suction pad

▶ 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

ⓘ Bracket length up to 11-13/16 inch ~ 300 mm · Radius 1 3/8 - 7 7/8 inch ~ 35 - 200 mm · Cutting angle 130°

Art. No.	Description
BO 101.0	Silberschnitt® Spare Turret

L-Squares and Straight Edges

L-squares and straight edges from Bohle are manufactured on highly precise CNC machines to the highest possible tolerances. High quality material and accurate production lead to a quality that others simply cannot measure up to.

L-Squares

Bohle L-squares are made of especially wear-resistant synthetic material and are produced to be better than 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.

Art. No.	Length · Width · Color · Description
BO 029.5	11-13/16 inch (30 cm) · 6-11/16 inch (17 cm) · black
BO 029.00	11-13/16 inch (30 cm) · 6-11/16 inch (17 cm) · black · without pegs
BO 030.5	19-11/16 inch (50 cm) · 10-5/8 inch (27 cm) · grey
BO 031.5	23-5/8 inch (60 cm) · 10-5/8 inch (27 cm) · grey
BO 032.5	31-1/2 inch (80 cm) · 14-9/16 inch (37 cm) · grey
BO 033.5	41-5/16 inch (105 cm) · 14-9/16 inch (37 cm) · grey
BO 034.5	53-1/8 inch (135 cm) · 18-1/2 inch (47 cm) · grey
BO 035.5	59-1/16 inch (150 cm) · 18-1/2 inch (47 cm) · grey
BO 036.5	68-7/8 inch (175 cm) · 18-1/2 inch (47 cm) · grey

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

▶ L-Squares Bohle with Brace black

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

Art. No.	Length · Width
BO 031.1	23-5/8 inch (60 cm) · 11-13/16 inch (30 cm)
BO 032.1	31-1/2 inch (80 cm) · 13-3/8 inch (34 cm)
BO 033.1	41-5/16 inch (105 cm) · 15-3/4 inch (40 cm)
BO 034.1	53-1/8 inch (135 cm) · 17-11/16 inch (45 cm)
BO 035.1	59-1/16 inch (150 cm) · 17-11/16 inch (45 cm)
BO 036.1	68-7/8 inch (175 cm) · 19-11/16 inch (50 cm)
BO 037.1	80-11/16 inch (205 cm) · 23-5/8 inch (60 cm)
BO 038.1	98-7/16 inch (250 cm) · 27-9/16 inch (70 cm)

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

▶ 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	51-15/16 inch (1320 mm) · 13-3/4 inch (350 mm)

Straight Edges

Bohle straight edges are available in different material thicknesses (3/16", 3/8" ~ 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 (3/8" ~ 10 mm) with integrated suction pads are suitable to be used with the Silberschnitt® cutting sledge Art.No. BO 2720.0.

▶ Straight Edge Bohle with Integrated Suction Cups

Made of high-quality synthetic material · BO 051.xxx = 3/16" (5 mm) thick · BO 052.xxx = 3/8" (10 mm) thick, thus suitable for Silberschnitt® Sledge for thick glass BO 2720.0

Art. No.	Length · Width · Suction Cups
BO 051.152	59-1/16 inch (150 cm) · 3-1/8 inch (8 cm) · 2
BO 052.203	78-3/4 inch (200 cm) · 3-1/8 inch (8 cm) · 3
BO 052.202	78-3/4 inch (200 cm) · 3-1/8 inch (8 cm) · 2
BO 052.304	118-1/8 inch (300 cm) · 3-1/8 inch (8 cm) · 4
BO 052.355	137-13/16 inch (350 cm) · 3-1/8 inch (8 cm) · 5
BO 052.405	157-1/2 inch (400 cm) · 3-1/8 inch (8 cm) · 5
BO 051.01	Spare suction pad

Please note:
Lengths of 6- 6-3/4"
(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 Edge Bohle

Made of high-quality synthetic material

Art. No.	Length · Width · Thickness
BO 047.0	98-7/16 inch (250 cm) · 3-1/8 inch (8 cm) · 3/16 inch (5 mm)
BO 047.1	98-7/16 inch (250 cm) · 2-3/4 inch (7 cm) · 3/8 inch (10 mm)
BO 048.0	118-1/8 inch (300 cm) · 2-3/4 inch (7 cm) · 3/8 inch (10 mm)
BO 049.0	137-13/16 inch (350 cm) · 2-3/4 inch (7 cm) · 3/8 inch (10 mm)

Metric specifications are exact · inches are approximate

▶ Straight Edge Holder Silberschnitt®

The suction lifter can be attached to the ruler with a stop bracket and is thus particularly suitable for carrying out long cuts. The stop bracket can also be adjusted precisely to the nearest millimeter. This suction lifter is especially suited to fixing displays or other holding and fixing products. The suction lifter can be optionally equipped with a height adjustable stopper (BO 670.1).

ⓘ Suction pad ø 2-3/16 inch ~ 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 · Diameter · Height
BO 670.0	Straight Edge Holder · standard
BO 670.1	Straight Edge Holder · adjustable
BO 670.0U	2-3/16 inch (55 mm) · 2-15/16 inch (75 mm)
BO 519.5	Spare suction pad

▶ Eccentric Suction Stopper Verifix®

VERIFIX

6 mm

Eccentrically arranged, flat plastic disc · integrated suction cup · suitable for use when bonding floors or shelves in showcases · also can be used in pairs for fine adjustment of straight edge stoppers

ⓘ Height 13/16 inch ~ 20 mm · Adjustment range 1/4 inch ~ 6 mm

Art. No.	Inside · Outside · Description
BO 637.1	2-3/16 inch (55 mm ø) · 2-3/4 inch (70 mm ø)
BO 637.5	Spare suction pad

▶ Felt Cloth for Cutting Tables

ⓘ Width 78-3/4 inch ~ 200 cm · Thickness 3/16 inch ~ 4 mm · Weight 1.76 psi ~ 800 g/m² · Color 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, doesn't 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	16.9 fl. oz. (500 ml)

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, 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	1.69 fl. oz. (50 ml) · Dispenser bottle
BO 026	0.26 gal. (1 Litre) · for manual cutting
BO 5002805	8 gal. (30 Litre) · evaporating
BO 5002810	Dispenser for Cutting Fluid 8 1/2 fl. oz. (250 ml)

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

▶ Cutting Fluid ACECUT 5503

Especially suitable for coated glass · water-soluble · 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 up to 3/8" (10 mm) thick · temperature range 86°F - 122°F (30° C - 50° C)

ⓘ Viscosity approx. 2 mPas

Art. No.	Contents · Description
BO 5002805	8 gal. (30 Litre) · evaporating
BO 5002835	55 gal. (200 Litre) · evaporating

Metric specifications are exact · inches are approximate

02 | Glass Breaking

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®

Silberschnitt

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

ⓘ Cutting length up to 236-1/4 inch ~ 6 m

Art. No.	Description · Glass thickness
BO 702.0	Cut Running Pliers · up to 1 inch (25 mm)
SP B0734.1	Spare plastic tip 3/8 x 9/16" (10 x 14 mm)
BO 702.5	Pressure Bar 3 1/8" - 1/2" (80 x 12 mm)
BO 7103.01	Knurled screw M10 x 60 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 · 1/4 - 5/8 inch (6 - 15 mm)
SP B0734.1	Spare plastic tip 3/8 x 9/16" (10 x 14 mm)
BO 704.5	Pressure Bar 2 3/8" - 1/2" (60 x 12 mm)
BO 7103.01	Knurled screw M10 x 60 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 3-15/16 (100 mm)

ⓘ Glass thickness 1/4 - 3/8 inch ~ 6-10 mm

Art. No.	Glass thickness
BO 706.0	1/4 - 3/8 inch (6 - 10 mm)

► Cut Running Pliers

ℹ Glass thickness 1/8 - 5/16 inch ~ 3 - 8 mm · Length 9-1/16 inch ~ 230 mm

Art. No.	Description
BO 5009636	Cut Running Pliers
BO 5009637	Spare pressure piece for cut running plier, set with 3 items

► Cut Running Pliers

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

ℹ Glass thickness 1/8 - 3/16 inch ~ 3 - 5 mm · Length 7 7/8 inch ~ 200 mm · Jaw width 15/16 inch ~ 24 mm

Art. No.	
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!

► America's favorite Glass Breaking Plier

For breaking thick glass · handle is lacquered black

ℹ Length 8 1/2 inch ~ 216 mm · Jaw width 1 inch ~ 25 mm ·
Glass thickness 1/2 inch ~ 12 mm

Art. No.
BA 5008225

Metric specifications are exact · inches are approximate

▶ 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

ⓘ Color black

Art. No.	Radius
BO 5008233	3/8 inch (10 mm)
BO 5008234	13/16 inch (20 mm)
BO 5008235	1-3/16 inch (30 mm)

▶ Glass Breaking Pliers Made in Germany ☆

Plastic coated handles · ground head · Made in Germany

ⓘ Color black · Length 7 7/8 inch ~ 200 mm · Jaw width 15/16 inch ~ 24 mm · Glass thickness up to 1/2 inch ~ 12 mm

Art. No.	
BO 5008020	Glass Breaking Pliers

▶ Glass Breaking Pliers Made in Germany ☆

Plastic coated handles · ground head · Made in Germany

ⓘ Length 7-1/16 inch ~ 180 mm · Jaw width 15/16 inch ~ 24 mm · Color black · Glass thickness up to 3/8 inch ~ 10 mm

Art. No.	
BO 5008118	Glass Breaking Pliers

▶ Glass Breaking Pliers Made in Germany ☆

Lacquered blue · ground head · Made in Germany

ⓘ Color blue · Length 7-7/8 inch ~ 200 mm · Jaw width 13/16 inch ~ 20 mm · Glass thickness up to 1/2 inch ~ 12 mm

Art. No.	
BO 5008120	Glass Breaking Pliers

▶ Glass Breaking Pliers Made in Germany ☆

With drop jaw · plastic coated handles · Made in Germany

ⓘ Length 7-7/8 inch ~ 200 mm · Jaw width 13/16 inch ~ 20 mm · Color blue · Glass thickness up to 3/8 inch ~ 10 mm

Art. No.	
BO 5008220	Glass Breaking Pliers

Glass Breaking Pliers Made in Germany

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

ⓘ Length 7-1/16 inch ~ 180 mm · Jaw width 9/16 inch ~ 14 mm · Glass thickness up to 3/8 inch ~ 10 mm

Art. No.	
BO 5008218	Glass Breaking Pliers

Glass Breaking Pliers

Heavy-duty · with especially long handles · hand forged

ⓘ Length 14 15/16 inch ~ 380 mm · Glass thickness up to 3/4 inch ~ 20 mm

Art. No.	
BO 5009638	Glass Breaking Pliers

NBohle

Metric specifications are exact · inches are approximate

03 | Products for Art Glass

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 light-weight cutting head made of special alloy · very fine, smooth cutting · an ideal all-purpose glass cutter · wheels not exchangeable

ⓘ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/16 - 1/4 inch ~ 2 - 6 mm

Art. No.	Plastic handle · Cutting angle
BO 2004.0	blue
BO 2004.01	orange
BO 2004.116	116°

▶ Oil Glass Cutter Silberschnitt® for Lead Glazing

Silberschnitt

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.

ⓘ Cutting angle 127° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm

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

▶ Oil Glass Cutter Silberschnitt®

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 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm · Narrow cutting head · Cutting head turns 30°

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

▶ Glass Cutter Diamantor® with Wooden Handle

DIAMANTOR

Rounded wooden handle · with one steel wheel ·

ℹ Cutting angle 130° · Straight edge stand-off distance 1/16 inch ~ 1.5 mm · Glass thickness 1/8 - 1/4 inch ~ 3 - 6 mm · Packaging unit 12 items

Art. No.
BO 200.1

> America's number 1
> Selling Hand-cutter

▶ Oil Glass Cutter Silberschnitt® 4000

Silberschnitt

Brass handle with finger grips

ℹ Cutting angle 138° · Straight edge stand-off distance 1/8 inch ~ 2.5 mm · Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm · Cutting head turns 30° · Narrow cutting head

Art. No.	Description · Cutting head
BO 4000.1	SILBERSCHNITT 4000 Oil Glass Cutter · 138°
BO 4010.1	Spare cutting head, narrow · 138°

Cutting and Breaking Aids

▶ 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 · The Silberschnitt GEO-Master is a practical accessory for the Silberschnitt Pad 536.0.

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

Metric specifications are exact · inches are approximate

▶ Geo-Master Silberschnitt®

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

Art. No.	
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 1 inch (25 mm)
BO 702.5	Pressure Bar 3 1/8" - 1/2" (80 x 12 mm)
BO 704.0	Cut Running Pliers · 1/4 - 5/8 inch (6 - 15 mm)
BO 704.5	Pressure Bar 2 3/8" - 1/2" (60 x 12 mm)

▶ 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

▶ Replacement Parts Set for Ringstar

Art. No.	
TG H120A	Replacement Parts Set for Ringstar

▶ Cut Running Pliers Silberschnitt®

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

ⓘ Glass thickness up to 3/16 inch ~ 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

ⓘ Length 7 7/8 inch ~ 200 mm · Glass thickness up to 3/16 inch ~ 8 mm

Art. No.	
BO 5008320	Cavity Pliers

▶ Grozing Pliers Silberschnitt® Made in Germany ☆

Silberschnitt

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

ⓘ Length 6-5/16 inch ~ 160 mm · Jaw width 3/16 inch ~ 4 mm

Art. No.	
BO 089	Grozing Pliers

Metric specifications are exact · inches are approximate

▶ Grozing Pliers Knipex Made in Germany

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

ⓘ Length 6 5/16 inch ~ 160 mm · Jaw width 3/8 inch ~ 9.5 mm

Art. No.	
BO 5008300	„KNIPEX" Grozing Pliers

▶ Grozing Pliers

Return spring

ⓘ Jaw width 3/8 inch ~ 9.5 mm

Art. No.	
TG 22210	Grozing Pliers

▶ Grozing Pliers

Return spring

ⓘ Jaw width 3/16 inch ~ 4 mm

Art. No.	
TG TR027	Grozing Pliers

▶ Glass Nibbling Pliers Silberschnitt® with Carbide Cutting Wheel

Silberschnitt

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

Art. No.	Description
BO 701.5	Glass Nibbling Pliers
BO 703.1	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 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 · for up to 5/32 in (4mm) glass thickness.

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 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

Metric specifications are exact · inches are approximate

Automatic Glass Cutting

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 proper-ties which produce clean cut edges for different glass thicknesses. A similar development can be seen with PCD (polycristalline diamond). Bohle continu-ously invests in the research and de-velopment of glass cutting technology.

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

01 | Cutting Wheels

Carbide Cutting Wheels

Silberschnitt cutting wheels are available in a variety of different dimensions, cutting angles and grinds. Here you 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) · suitable carbide axle BO 496.080 · suitable carbide holder BO 432.6
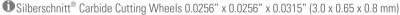
ⓘ Silberschnitt® Carbide Cutting Wheels 0.0984" x 0.0256" x 0.0315" (2.5 x 0.65 x 0.8 mm)

Art. No.	Angle · Grind · Packaging
BO 06B135	135 ° · Basic · 10 items
BO 06B140	140 ° · Basic · 10 items
BO 06B145	145 ° · Basic · 10 items
BO 06B150	150 ° · Basic · 10 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) · suitable carbide axle BO 496.080 · suitable carbide holder BO 432.6

ⓘ Silberschnitt® Carbide Cutting Wheels 0.0256" x 0.0256" x 0.0315" (3.0 x 0.65 x 0.8 mm)

Art. No.	Angle · Grind · Packaging
BO 66A135	135 ° · Active · 10 items
BO 66A140	140 ° · Active · 10 items
BO 66A145	145 ° · Active · 10 items
BO 66A150	150 ° · Active · 10 items
BO 66B100	100 ° · Basic · 10 items
BO 66B105	105 ° · Basic · 10 items
BO 66B110	110 ° · Basic · 10 items
BO 66B115	115 ° · Basic · 10 items
BO 66B120	120 ° · Basic · 10 items
BO 66B125	125 ° · Basic · 10 items
BO 66B130	130 ° · Basic · 10 items
BO 66B152	152 ° · Basic · 10 items
BO 66C110	110 ° · Contact Plus · 10 items
BO 66C115	115 ° · Contact Plus · 10 items
BO 66A135H	135 ° · Active · 100 items
BO 66A145H	145 ° · Active · 100 items
BO 66A150H	150 ° · Active · 100 items
BO 66A155H	155 ° · Active · 100 items

▶ Silberschnitt® Carbide Cutting Wheels 05

Standard pack consists of 10 wheels. To order packs of 100, please add an H to the end of the article number (e.g. BO 05A135H) · suitable carbide axle BO 496.130 · suitable carbide holder BO 432.3

ⓘ Silberschnitt® Carbide Cutting Wheels 0.1181" x 0.0394" x 0.0512" (3.00 x 1.00 x 1.30 mm)

Art. No.	Angle · Grind · Packaging
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

▶ Silberschnitt® Carbide Cutting Wheels 12

Standard pack consists of 10 wheels. To order packs of 100, please add an H to the end of the article number (e.g. BO 12A135H) · suitable carbide axle BO 496.139F · suitable holder BO 432.0 · For further cutting angles, visit our Online Shop.

ⓘ Silberschnitt® Carbide Cutting Wheels 0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm)

Art. No.	Angle · Grind · Packaging
BO 12A135	135 ° · Active · 10 items
BO 12A140	140 ° · Active · 10 items
BO 12A145	145 ° · Active · 10 items
BO 12A148	148 ° · Active · 10 items
BO 12A150	150 ° · Active · 10 items
BO 12A152	152 ° · Active · 10 items
BO 12A154	154 ° · Active · 10 items
BO 12A155	155 ° · Active · 10 items
BO 12A156	156 ° · Active · 10 items
BO 12A158	158 ° · Active · 10 items
BO 12A160	160 ° · Active · 10 items
BO 12B120	120 ° · Basic · 10 items
BO 12B127	127 ° · Basic · 10 items
BO 12B135	135 ° · Basic · 10 items

Metric specifications are exact · inches are approximate

▶ Silberschnitt® Carbide Cutting Wheels 02, special tolerance for Lisec equipment

Standard pack consists of 10 wheels. To order packs of 100, please add an H to the article number (e.g. BO 02A135H) · suitable carbide axle BO 496.130 · suitable carbide holder BO 432.3 · For further cutting angles, visit our Online Shop.

ⓘ Silberschnitt® Carbide Cutting Wheels 0.1969" x 0.0394" x 0.0512" (5.00 x 1.00 x 1.30 mm)

Art. No.	Angle · Grind · Packaging
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

▶ Silberschnitt® Carbide Cutting Wheels 02 , special tolerances for Lisec Equipment

These wheels have a special tolerance (thickness tolerance +0.01) · with inscription · suitable carbide axle BO 496.439 · suitable carbide holder BO 439.1/439.2

ⓘ Silberschnitt® Carbide Cutting Wheels 0.1969" x 0.0394" x 0.0512" (5.00 x 1.00 x 1.30 mm)

Art. No.	Angle · Grind · Packaging
BO 02A135I	135 ° · Active · 10 items
BO 02A140I	140 ° · Active · 10 items
BO 02A145I	145 ° · Active · 10 items
BO 02A155I	155 ° · Active · 10 items
BO 02A160I	160 ° · Active · 10 items
BO 02A165I	165 ° · Active · 10 items
BO 02B118I	118 ° · Basic · 10 items
BO 02B127I	127 ° · Basic · 10 items
BO 02B135I	135 ° · Basic · 10 items
BO 02A135HI	135 ° · Active · 100 items
BO 02A140HI	140 ° · Active · 100 items
BO 02A145HI	145 ° · Active · 100 items
BO 02A148HI	148 ° · Active · 100 items
BO 02A155HI	155 ° · Active · 100 items
BO 02A165HI	165 ° · Active · 100 items
BO 02B118HI	118 ° · Basic · 100 items
BO 02B130HI	130 ° · Basic · 100 items
BO 02B135HI	135 ° · Basic · 100 items

▶ Silberschnitt® Carbide Cutting Wheels 03

Standard pack consists of 10 wheels. To order packs of 100, please add an H to the end of the article number (e.g. BO 03A135H) · suitable carbide axle BO 496.139F · suitable holder BO 432.0 · For further cutting angles, visit our Online Shop.

ⓘ Silberschnitt® Carbide Cutting Wheels 0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm)

Art. No.	Angle · Grind · Packaging
BO 03A135	135 ° · Active · 10 items
BO 03A138	138 ° · Active · 10 items
BO 03A140	140 ° · Active · 10 items
BO 03A145	145 ° · Active · 10 items
BO 03A148	148 ° · Active · 10 items
BO 03A150	150 ° · Active · 10 items
BO 03A152H	152 ° · Active · 100 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

▶ Silberschnitt® Carbide Cutting Wheels 33

Standard pack consists of 10 wheels. To order packs of 100, please add an H to the end of the article number (e.g. BO 33A135H) · For further cutting angles, visit our Online Shop.

ⓘ Silberschnitt® Carbide Cutting Wheels 0.236" x 0.0425" x 0.0559" (6.0 x 1.08 x 1.42 mm)

Art. No.	Angle · Grind · Packaging
BO 33A135	135 ° · Active · 10 items
BO 33A138	138 ° · Active · 10 items
BO 33A145	145 ° · Active · 10 items
BO 33A148	148 ° · Active · 10 items
BO 33A152	152 ° · Active · 10 items
BO 33A155	155 ° · Active · 10 items

Metric specifications are exact · inches are approximate

▶ Silberschnitt® Carbide Cutting Wheels 07

Standard pack consists of 10 wheels. To order packs of 100, please add an H to the end of the article number (e.g. BO 07A135H) · For further cutting angles, visit our Online Shop.

ℹ Silberschnitt® Carbide Cutting Wheels 0.236" x 0.0449" x 0.061" (6.0 x 1.14 x 1.51 mm)

Art. No.	Angle · Grind · Packaging
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

▶ Silberschnitt® Carbide Cutting Wheels 63

Standard pack consists of 10 wheels · suitable carbide axle BO 496.160 · suitable carbide holder BO 422.1 · For further cutting angles, visit our Online Shop.

ℹ Silberschnitt® Carbide Cutting Wheels 0.2362" x 0.1181" x 0.0630" (6.0 x 3.0 x 1.6 mm)

Art. No.	Angle · Grind · Packaging
BO 63A145	145 ° · Active · 10 items
BO 63A148	148 ° · Active · 10 items
BO 63A150	150 ° · Active · 10 items
BO 63A155	155 ° · Active · 10 items
BO 63A162	162 ° · 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 end of the article number (e.g. BO 08B135H).

ℹ Silberschnitt® Carbide Cutting Wheels 0.315" x 0.787" x 0.102" (8.0 x 2.0 x 2.6 mm)

Art. No.	Angle · Grind · Packaging
BO 08B135	135 ° · Basic · 10 items
BO 08B077	77 ° · Basic · 10 items
BO 08B090	90 ° · Basic · 10 items

▶ Silberschnitt® Carbide Cutting Wheels 64

Standard pack consists of 10 wheels. The corresponding carbide axle has the art.no. BO 496.300.

ⓘ Silberschnitt® Carbide Cutting Wheels 0.492" x 0.1575" x 0.118" (12.5 x 4.0 x 3.0 mm)

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

ⓘ Silberschnitt® Carbide Cutting Wheels 0.2205" x 0.0394" x 0.0512" (5.60 x 1.00 x 1.30 mm)

Art. No.	Cutting angle · Glass thickness · Packaging
BO 03A100M	100 ° · 4 mm · 10 items
BO 03A100ME	100 ° · 4 mm · 1 item
BO 03A110M	110 ° · 4 mm · 10 items
BO 03A110ME	110 ° · 4 mm · 1 item
BO 03A115M	115 ° · 5/6 mm · 10 items
BO 03A115ME	115 ° · 5/6 mm · 1 item

▶ SILBERSCHNITT Plastic Wheel Holder with Carbide Cutting Wheel

Art. No.	Cutting angle · Glass thickness · Packaging
BO 416A100M	100 ° · 4 mm · 10 items
BO 416E100M	100 ° · 4 mm · 1 item

Bohle

▶ | SILBERSCHNITT Plastic Wheel Holder with Carbide Cutting Wheel

Art. No.	Cutting angle · Glass thickness · Packaging
BO 416A110M	110 ° · 4 mm · 10 items
BO 416E110M	110 ° · 4 mm · 1 item

▶ | SILBERSCHNITT Plastic Wheel Holder with Carbide Cutting Wheel

Art. No.	Cutting angle · Glass thickness · Packaging
BO 416A115M	115 ° · 5/6 mm · 10 items
BO 416E115M	115 ° · 5/6 mm · 1 item

Silberschnitt® Carbide Cutting Wheels with cutting angle inscription

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 about cutting angles is eliminated. The following standard angles are available ex stock. Special cutting angles on request.

▶ Silberschnitt® Carbide Cutting Wheels Type 03

ⓘ Grind Active · Diameter 0.22 inch ~ 5.6 mm · Thickness 0.04 inch ~ 1.08 mm · Bore hole 0.55 inch ~ 1.42 mm

Art. No.	Packaging
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 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

Metric specifications are exact · inches are approximate

ℹ Silberschnitt® Carbide Cutting Wheels 0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm)

Art. No.	Packaging
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 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

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.

The right solution:
When selecting the appropriate wheel holder, please follow the specifications of the machine manufacturer.

Art. No.	Dimensions	Angle · Grind
BO 12A130G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 130 ° · Active
BO 12A135G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 135 ° · Active
BO 12A145G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 145 ° · Active
BO 12A148G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 148 ° · Active
BO 12A150G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 150 ° · Active
BO 12A152G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm)· 152 ° · Active
BO 12A153G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 153 ° · Active
BO 12A154G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 154 ° · Active
BO 12A155G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm)· 155 ° · Active
BO 12A158G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 158 ° · Active
BO 12C110G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 110 ° · Contact Plus
BO 12C120G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 120 ° · Contact Plus
BO 12C125G	0.1614" x 0.0425" x 0.0559" (4.10 x 1.08 x 1.42 mm) · 125 ° · Contact Plus
BO 02A135GL	0.1969" x 0.0394" x 0.0512" (5.00 x 1.00 x 1.30 mm) · 135 ° · Active
BO 02A145GL	0.1969" x 0.0394" x 0.0512" (5.00 x 1.00 x 1.30 mm) · 145 ° · Active
BO 02A155GL	0.1969" x 0.0394" x 0.0512" (5.00 x 1.00 x 1.30 mm) · 155 ° · Active
BO 03A130G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 130 ° · Active
BO 03A135G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 135 ° · Active
BO 03A145G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 145 ° · Active
BO 03A148G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 148 ° · Active
BO 03A150G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 150 ° · Active
BO 03A152G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 152 ° · Active
BO 03A153G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 153 ° · Active
BO 03A154G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 154 ° · Active
BO 03A155G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 155 ° · Active
BO 03A158G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 158 ° · Active
BO 03B135G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 135 ° · Basic
BO 03B145G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 145 ° · Basic
BO 03C110G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 110 ° · Contact Plus
BO 03C125G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 125 ° · Contact Plus
BO 03C130G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 130 ° · Contact Plus
BO 03C135G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 135 ° · Contact Plus
BO 03C145G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 145 ° · Contact Plus
BO 03C148G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 148 ° · Contact Plus
BO 03C150G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 150 ° · Contact Plus
BO 03C153G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 153 ° · Contact Plus
BO 03C155G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 155 ° · Contact Plus
BO 03C158G	0.2205" x 0.0425" x 0.0559" (5.60 x 1.08 x 1.42 mm) · 158 ° · Contact Plus

Metric specifications are exact · inches are approximate

Silberschnitt® PCD Cutting Wheels

▶ | 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 particular application

ⓘ Material: PCD · Diameter .098" ~ 3 mm

Art. No.	Thickness · Bore hole · Angle · Insert · Axle
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 particular application

ⓘ Material: PCD · Diameter .196" ~ 5 mm

Art. No.	Thickness · Bore hole · Angle · Insert · Axle
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 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 particular application

ⓘ Material: PCD · Diameter .161" ~ 4.1 mm

Art. No.	Thickness · Bore hole · Angle · Insert · Axle
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.

Metric specifications are exact · inches are approximate

▶ 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 particular application

ⓘ Material: PCD · Diameter .220" ~ 5.6 mm

Art. No.	Thickness · Bore hole · Angle · Insert · Axle
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.

Silberschnitt® Cutmaster® Platinum Cutting Wheels

New Solutions for Glass Cutting

The new structured cutting wheels of Bohle AG improve the cutting quality for different glass thicknesses considerably.This new, structured wheel, Cutmaster® Platinum, a new development in the well-known Silberschnitt® product family effects a significant reduction of edge damage by minimum or considerably reduced cutting pressure.

What is different compared to standard cutting wheels?

This new cutting wheel achieves excellent cutting results due to its unique micro-structure. The special structure displays a continuously sharp cutting edge over the entire circumference across the peaks as well as the recess areas.

Applications of Cutmaster® Platinum

Float glass
Straight cutting 0.5 –19 mm (approx. 1/64" - 3/4")
Shape cuts 0.1 –2.0 mm (approx. 0.004" - 1/12")

Special Glass Types
Medical Glass
Optical Glass
Solar Glass
Photovoltaic Glass
Straight cutting of borosilicate glass up to 25 mm (approx. 1")
Shape cuts over diverse special glass from 0.1 –2.0 mm (approx. 0.004" - 1/12")

Thin glass
Shape cuts 0.1 –2.0 mm (approx. 0.004" - 1/12")
Straight cutting 0.05 –3 mm (approx. 0.002" - 1/8")
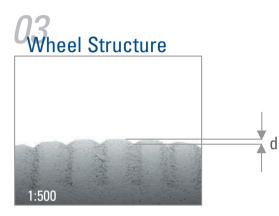
» Advantages of Cutmaster® Platinum at a glance «

- *Excellent edge quality*
- *Minimal cutting pressure*
- *Minimal splintering*

- *Longer service life*
- *Dry cutting*

Metric specifications are exact · inches are approximate

01 Cutmaster® Platinum

1:125

02 Surfaces after Cutting

28 µm   27 µm

1:250

03 Wheel Structure

d

1:500

04 Details Wheel Structure

a

b

c

a = pitch
b = peak width
c = slot width
d = slot depth

a = 50.0 µm
b = 20.0 µm
c = 30.0 µm
d = 8.0 µm

1:500

05 Glass Penetration

micrometer

40
30
20
10
0

0   100   200   20   40   60   80   100   120   140   160   180   200

1:500
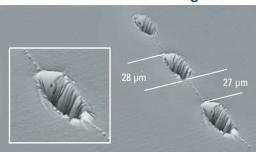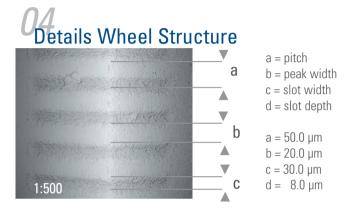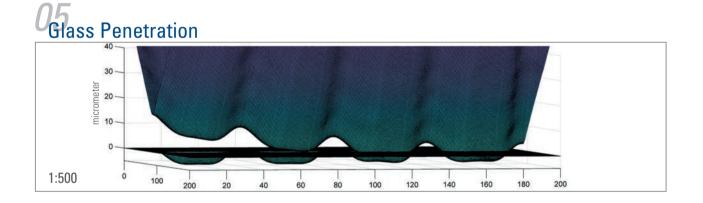
Plastic Wheel Clips

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

ℹ Packaging 10 items · Cutting wheel diameter .196" / 5 mm

Art. No.	Cutting angle · Color · Grind
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 ° · Basic ·
BO 416B120	120 ° · light blue · Basic
BO 416B125	125 ° · 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

Metric specifications are exact · inches are approximate

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

Plastic wheel holder ·

ⓘ Packaging 10 items · Cutting wheel diameter as .197" / 5 mm

Art. No.	Cutting angle · Color · Grind
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

Wheel Holders, 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, Bilco, Bottero, Bystronic, GED, Glass Line, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Perfect Technology, Pfister, Rohmer & Stimpfig

ⓘ Packaging 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, 02 · 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	05, 02 · 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, Bilco, Bottero, Bystronic, GED, Glass Line, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Perfect Technology, Pfister, Rohmer & Stimpfig

🛈 Packaging 10 items

Art. No.	for Carbide Wheels · suitable carbide axle
BO 432.4	12, 03 · BO 496.138F, 496.139F

▶ 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, Bilco, Bottero, Bystronic, GED, Glass Line, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Perfect Technology, Pfister, Rohmer & Stimpfig

🛈 for Carbide Wheels 12, 03 · Suitable carbide axle BO 496.139F · Packaging 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

🛈 for Carbide Wheels 12, 03 · suitable carbide axle BO 496.422 · Packaging 10 items

Art. No.	Version
BO 422.0	Wheel Holder
BO 422.0A	without O-ring
BO 422.080A	without O-ring · suitable for a flow-through hole Ø 0,8mm

⊓Bohle

Metric specifications are exact · inches are approximate

▶ 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

🛈 for Carbide Wheels 63 · suitable carbide axle BO 496.160 · Packaging 10 items

Art. No.	
BO 422.1	

▶ Silberschnitt® Wheel Holder Metal

Hardened steel · for Lisec cutting equipment

🛈 Length 7/16 inch ~ 11.5 mm · for Carbide Wheels 02, 02I · suitable carbide axle BO 496.439

Art. No.	
BO 439.1	

▶ Silberschnitt® Wheel Holder Metal

Hardened steel · for Lisec cutting equipment

🛈 Length 5/8 inch ~ 16.5 mm · for Carbide Wheels 02, 02I · suitable carbide axle BO 496.439

Art. No.	
BO 439.2	

▶ Silberschnitt® Wheel Holder Metal for Bottero

Wheel holder for Bottero laminated safety glass cutting equipment

🛈 Bore hole 1.4 mm ø · Slot 1/16 inch ~ 1.1 mm · for Carbide Wheels 12, 03 · suitable carbide axle BO 496.140F

Art. No.	Version	
BO 439.122	non-tempered	

▶ Silberschnitt® Wheel Holder Metal for Maver

🛈 Bore hole · for Carbide Wheels 12, 03, 33 · suitable carbide axle

Art. No.	
BO 439.0303	

▶ Silberschnitt® Wheel Holder Metal for Maver

🛈 Bore hole · suitable carbide axle 1.39 x 4.6 mm · With wheel ø 5.60 mm

Art. No.	With wheel · Angle · Description
BO 439.1303	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.

🛈 Bore hole 1/16 inch ~ 1.4 mm ø · Slot 1/16 inch ~ 1.1 mm · for Carbide Wheels 12, 03 · suitable carbide axle BO 496.140F

Art. No.	Version
BO 439.16	non-tempered
BO 439.16V	tempered

▶ Plastic Rings

Plastic rings for wheel holders BO 439.16

🛈 Packaging 2 items

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

Metric specifications are exact · inches are approximate

Silberschnitt Wheel Holders

▶ Wheel Holder Module,Inscribed with wheel angle, with Carbide Wheel Type 03 Ø .220" (Ø 5.6 mm)

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

ⓘ Packaging 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 °

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

ⓘ Packaging 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 · suitable for Armatec, Bavelloni, Bilco, Bottero, Bystronic, GED, Glass Line, Grenzebach, Hegla, Intermac, Laser, Lisec, MacoTec, Olbricht, Pannkoke, Perfect Technology, Pfister, Rohmer & Stimpfig

Art. No.	Angle · with wheel · Diameter · Thickness · Bore hole
BO 494D143	143° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D145	145° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D148	148° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D150	150° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D152	152° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D154	154° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D155	155° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 494D156	156° · 485 · 1/8 inch · 0.025 inch ~ 3.0 mm · 0.031 inch ~ 0.65 mm · 0.81 mm
BO 495D105	105° · 487 · 3/16 inch ~ 487 · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D125	125° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D133	133° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D138	138° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D145	145° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D150	150° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D152	152° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm

Metric specifications are exact · inches are approximate

Art. No.	Angle · with wheel · Diameter · Thickness · Bore hole
BO 495D154	154° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D155	155° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D156	156° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 495D160	160° · 487 · 3/16 inch · 0.042 inch ~ 4.1 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D125	125° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D127	127° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D130	130° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D135	135° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D138	138° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D145	145° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 496D155	155° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.40 mm
BO 498D127	127° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.4 mm
BO 498D135	135° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.4 mm
BO 498D145	145° · 488 · 1/4 inch · 0.042 inch ~ 5.6 mm · 1/16 inch ~ 1.08 mm · 1.4 mm

Carbide Axles

▶ SILBERSCHNITT Carbide Axles

Wheel axles made of carbide for wheel holder · Sales Unit: box of 10

ⓘ Packaging 10 items

Art. No.	Diameter · Length · Chamfer
BO 496.080	0.031 inch ~ 0.80 mm · 3/16 inch ~ 4.6 mm · 0.5 x 45 °
BO 496.380	0.031 inch ~ 0.80 mm · 0.141 inch ~ 3.6 mm · 0.5 x 35 °
BO 496.130	0.051 inch ~ 1.30 mm · 0.165 inch ~ 4.2 mm · 0.2 x 45 °
BO 496.330	0.051 inch ~ 1.30 mm · 0.141 inch ~ 3.6 mm · 0.8 x 45 °
BO 496.439	0.051 inch ~ 1.30 mm · 5/16 inch ~ 8.0 mm · 0.2 x 55 °
BO 496.4391	0.051 inch ~ 1.30 mm · 9/16 inch ~ 14.0 mm · 0.2 x 45 °
BO 496.138	0.054 inch ~ 1.38 mm · 3/16 inch ~ 4.2 mm · 0.4 x 45 °
BO 496.138F	0.054 inch ~ 1.38 mm · 3/16 inch ~ 4.2 mm · 0.4 x 45 °
BO 496.210A	0.054 inch ~ 1.38 mm · 3/16 inch ~ 5.3 mm · 0.4 x 45 °
BO 496.245A	0.054 inch ~ 1.38 mm · 1/4 inch ~ 6.2 mm · 0.4 x 45 °
BO 496.305A	0.054 inch ~ 1.38 mm · 5/16 inch ~ 7.7 mm · 0.4 x 45 °
BO 496.139F	0.054 inch ~ 1.39 mm · 3/16 inch ~ 4.6 mm · 0.8 x 35 °
BO 496.422	0.054 inch ~ 1.39 mm · 3/8 inch ~ 9.0 mm · 0.2 x 45 °
BO 496.140F	0.055 inch ~ 1.40 mm · 1/2 inch ~ 12.0 mm · 0.4 x 45 °
BO 496.150	0.059 inch ~ 1.50 mm · 3/16 inch ~ 5.5 mm · 0.2 x 45 °
BO 496.160	0.062 inch ~ 1.60 mm · 3/8 inch ~ 9.0 mm · 0.2 x 45 °
BO 496.300	1/8 inch ~ 3.0 mm · 7/16 inch ~ 11.0 mm · 0.2 x 45 °

PCD Axles

▶ Silberschnitt® PCD Axles

For Silberschnitt® PCD cutting wheels

Art. No.	Diameter · Length · Chamfer
BO 497D300	0.031 inch ~ 0.80 mm · 3/16 inch ~ 4.1 mm · 0.2 x 30 °
BO 497D306	0.031 inch ~ 0.80 mm · 1/4 inch ~ 6.0 mm · 0.2 x 30 °
BO 497D310	0.043 inch ~ 1.10 mm · 1/4 inch ~ 6.0 mm · 0.2 x 30 °
BO 497D100	1/16 inch ~ 1.30 mm · 3/16 inch ~ 4.1 mm · 0.5 x 30 °
BO 497D439	1/16 inch ~ 1.30 mm · 3/16 inch ~ 8.0 mm · 0.5 x 45 °
BO 497D141	1/16 inch ~ 1.39 mm · 1/8 inch ~ 3.9 mm · 0.5 x 30 °
BO 497D422	0.054 inch ~ 1.39 mm · 3/8 inch ~ 9 mm · 0.5 x 30 °
BO 497D200	0.059 inch ~ 1.50 mm · 3/16 inch ~ 4.1 mm · 0.5 x 30 °
BO 497D400	0.059 inch ~ 1.50 mm · 1/4 inch ~ 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	0.031 inch ~ 0.79 mm · 3/16 inch ~ 4.6 mm · 0.3 x 30 °
BO 499D110	0.043 inch ~ 1.10 mm · 3/16 inch ~ 4.4 mm · 0.5 x 30 °
BO 499D139	0.054 inch ~ 1.39 mm · 3/16 inch ~ 4.4 mm · 0.5 x 30 °
BO 499D939	0.054 inch ~ 1.39 mm · 3/8 inch ~ 9.0 mm · 0.5 x 30 °
BO 499D151	0.058 inch ~ 1.49 mm · 1/4 inch ~ 6.0 mm · 0.5 x 30 °
BO 499D150	0.059 inch ~ 1.50 mm · 3/16 inch ~ 4.4 mm · 0.5 x 30 °

Metric specifications are exact · inches are approximate

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	Blade reversed 180 degrees

▶ Steel Holder

With wide blade

Art. No.	Version
BO 432.8	standard
BO 432.81	Blade reversed 180 degrees

► Steel Holder

With narrow blade · for cutting shapes

Art. No.	
BO 439.1601	metal version of type 416 plastic blade holder

Bohle

Metric specifications are exact · inches are approximate

04 | Complete Solutions

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 form 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.

BO 432.0   BO 422.0

BO 436.200

BO 439.1015

We offer a large selection of complete wheel assembly configurations to meet your specific glass cutting requirements.
Please contact your Bohle representative for an glass cutting evaluation of your process.

436.3BY Bystronic   436.16 Bottero   436.G Intermac   439.1264 Bando

05 | Chemical Products for Glass Fabrication

Bohle America supplies a complete range of Chemetall glass fabrication chemical products for use in the float, automotive and commercial glass fabrication markets. Made both in Germany and in the USA, Chemetall produces the highest quality chemical product to ensure your machinery performs at it's best. Cutting fluids, grinding coolants, separating agents and polishing compounds for various glass applications feature in this chapter. Please contact your Bohle America representative for a complete technical overview of the Bohle Chemetall product line.

▶ ACECUT 4153 Cutting Fluid

Applications: Automotive glass, general cutting, shape cutting

ⓘ Glass thickness 1/16 - 1/4 inch ~ 1.6 - 6 mm · Viscosity approx. 35 mPas · Description washable

Art. No.	Contents	
BO 5002802	8 gal. ~ 30 Litre	

▶ ACECUT 5503 Cutting Fluid

Especially suitable for coated glass · water-soluble · 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 up to 3/8" (10 mm) thick · temperature range 86°F - 122°F (30° C - 50° C) · PPG approved

ⓘ Viscosity approx. 2 mPas

Art. No.	Contents · Description	
BO 5002805	8 gal. ~ 30 Litre · evaporating	
Art. No.	Contents · Description	
BO 5002835	55 gal. ~ 200 Litre · evaporating	

▶ ACECUT 6000 Cutting Fluid

Developed specifically for automotive glass fabrication and 15 mm and thicker glass fabrication · washable

ⓘ Temperature range 104° - 194 °F ~ 40° - 90 ° · Viscosity approx. 65 mPas

Art. No.	Contents · Description	
BO 5002806	8 gal. ~ 30 Litre · washable	
Art. No.	Contents · Description	
BO 5002836	55 gal. ~ 200 Litre · washable	
Art. No.	Contents · Description	
BO 5002846	264 gal. ~ 1000 Litre · evaporating	

Bohle

▶ ACECUT 5929 Cutting Fluid

Especially suitable for coated glass · water-soluble · evaporates after use without leaving residue · small glass particles are bound · low surface tension · can be used for float glass production 3/16" - 3/4" (4 - 19 mm) thick · temperature range 104°F - 140°F (40° - 60° C) · PPG approved

ℹ️ Viscosity approx. 2 mPas

Art. No.	Contents · Description
BO 5002807	8 gal. ~ 30 Litre · evaporating

Art. No.	Contents · Description
BO 5002837	55 gal. ~ 200 Litre · evaporating

Art. No.	Contents · Description
BO 5002846	264 gal. ~ 1000 Litre · evaporating

▶ ACECUT 5250 Cutting Fluid

Water-soluble · evaporates after use without leaving residue · applications: insulated glass, mirror glass, general cutting up to 3/8" (10 mm), Especially suitable for general fabrication of 2 mm - 6 mm where a faster evaporation rate is needed

ℹ️ Temperature range 86° - 122 °F ~ 30° - 50 ° · Viscosity approx. 2 mPas

Art. No.	Contents · Description
BO 5002804	8 gal. ~ 30 Litre · evaporating

Art. No.	Contents · Description
BO 5002834	55 gal. ~ 200 Litre · evaporating

▶ ACEPOL AL Polishing Compound

Aluminum oxide based polishing agent for polishing / cleaning of float glass before coating - used to remove strong adhering impurities as well as an initial state of glass corrosion - for use on float glass polishing machines equipped with disc brushes or polishing disc pads

Art. No.	Contents
BO 5002811	44 lbs ~ 20 kg

▶ AC Separol DP Separating Agent

Used in windshield production it is applied to the glass prior to pairing up the pieces before the bending process. Makes for easy separation of glass after the bending. It will also laminate out if applied appropriately.

Art. No.	Contents
BO 5002812	33 lbs ~ 15 kg

▶ Separol LAC Separating Agent

AC SEPAROL LAC is an interleavant powder based on polystyrene and boric acid (50 % percent by weight). The used basic polymer has a medium particle size of ca. 60 µm. AC SEPAROL LAC is an interleavant powder for production of laminated glass. It is used instead of the spacers normally used to separate the glass in the autoclave. It is typically applied when producing architectural glass with identical formats. At the same time it acts as an interleavant powder after production. The product contains additives which protects the glass against corrosion. The removal of the interleavant powder after the autoclave process and the additional application of an acid mixed interleavant for transport is therefore not necessary.

Art. No.	Contents	
BO 5002823	88 lbs ~ 40 kg	

▶ ACESOLVE TG Cleaning Agent

ACESOLVE TG is a special solvent for removal of inks used for digital glass printing

Art. No.	Contents	
BO 5002842		

▶ Acenol M Flocculant

Powdered flocculant which must be dissolved in water before use. Promotes more efficient removal of glass fines. For glass grinding coolant filtration systems.

Art. No.	Contents	
BO 5002850	11 lbs ~ 5 kg	
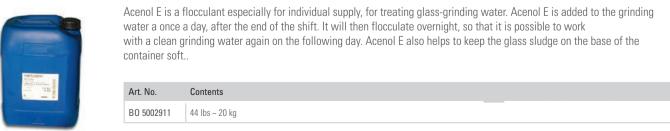
▶ SELUTOL AC 301 Flocculant

Powdered flocculant which must be dissolved in water before use. Promotes more efficient removal of glass fines. For Selutor glass grinding coolant filtration systems

Art. No.	Contents	
BO 5002860	11 lbs ~ 5 kg	

▶ ACENOL E Flocculant

Acenol E is a flocculant especially for individual supply, for treating glass-grinding water. Acenol E is added to the grinding water a once a day, after the end of the shift. It will then flocculate overnight, so that it is possible to work with a clean grinding water again on the following day. Acenol E also helps to keep the glass sludge on the base of the container soft..

Art. No.	Contents	
BO 5002911	44 lbs ~ 20 kg	

Bohle

▶ ACEPAREN 5446 Separating Agent

Aceparen 5446 Separating Agent for IG fabricationSeparating agent for use on racks - for the insulating glass industry - contains neither silicone oil, mineral oil, or wax. - helps warehouses and transportation frames to remain clean - in addition, it can be used for smoothing sealants (PS, PU, Silicone). Multiple appliations such as during installation of insulated glass, manufacturing of panes of glass, sealing of glass roofs, etc. - it can easily be washed off with water - does not attack rubber or plastics

Art. No.	Contents	
BO 6005400	44 lbs ~ 20 kg	

▶ ACECOOL 5679 Grinding Coolant

ACECOOL 5679 is a fully synthetic coolant for edging, light beveling, drilling and sawing of automotive, architectural and furniture glass as well as technical glass. Allows for increased feed rate. Keeps glass sludge soft and supply lines free of glass fines.

Art. No.	Contents	
BO 6100402A	44 lbs ~ 20 kg	
Art. No.	Contents	
BO 6100420A	440 lbs ~ 220 kg	

▶ ACECOOL 6284 Grinding Coolant

Ideal for automatic bevelling machines as well as other high speed glass-processing machines

Art. No.	Contents	
BO 6100502	44 lbs ~ 20 kg	

▶ ACECUT 6336 Cutting Fluid

For float glass production with temperature range 140F - 194°F (60° - 90° C) Keep all cutting fluids together.

Art. No.	Contents	
BO 6006301	8 gal. ~ 30 Litre	

▶ ACECOOL 6511 Grinding Coolant

ACECOOL 6511 is a fully synthetic product for edging, drilling and sawing of architectural and furniture glass.

Art. No.	Contents	
BO 6006511	44 lbs ~ 20 kg	
Art. No.	Contents	
BO 6026511	484 lbs ~ 220 kg	

▶ ACECOOL 6553 Grinding Coolant

Acecool 6553 is a fully synthetic high-performance coolant concentrate which was specifically developed for automotive glass processing at high feed rates. Keeps glass sludge soft and supply lines free of glass fines.

Art. No.	Contents	
BO 6006521	44 lbs ~ 20 kg	

Art. No.	Contents	
BO 6006522	505 lbs ~ 230 kg	

▶ Bohle Cerium Oxide Polishing Compound

Bohle Cerium Oxide, polishing compound. For Bevelling and Polishing Machinery as well as 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 50 079 01

Art. No.	Contents	
BA 6026462	1lb (2.2kg)	
BA 6026460	44 lbs (20kg)	

Metric specifications are exact · inches are approximate

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.

ⓘ Cutting pressure up to 500 N

Art. No.
BO 5164850

▶ Mounting aid for Carbide Wheels

The practical mounting aid for wheel holder BO 432 makes wheel changing easy

Art. No.	Diameter
BO 440	0.05 inch ~ 1.30 mm
BO 441	0.03 inch ~ 0.80 mm

▶ Tin Pin

ⓘ Size of slot 0.044 inch ~ 1.14 mm

Art. No.
BO 438.114

▶ Magnifying Glass

Magnifying glass, 60x magnification, with LED

Art. No.	
BO 4402.0	

▶ Felt Cloth for Cutting Tables

ⓘ Width 78-3/4 inch ~ 200 cm · Thickness 3/16 inch ~ 4 mm · Weight 1.76 psi ~ 800 g/m² · Color black

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

▶ SILBERSCHNITT handle

Handle suitable for wheel holders type 432. Load your desired wheels into the handle. Ideal for cutting special glass. Handle without cutting fluid dispensing.

Art. No.	Handle
BO 438.0432	plastic
BO 438.1432	brass

▶ Cut Running Pliers Silberschnitt®

Silberschnitt

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

ⓘ Cutting length up to 236-1/4 inch ~ 6 m

Art. No.	Description · Glass thickness
BO 702.0	Cut Running Pliers · up to 1 inch (25 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 · 1/4 - 5/8 inch (6 - 15 mm)

Metric specifications are exact · inches are approximate

▶ Measuring Device Bohle TinCheck® for Determining the Tin Side

Innovative tin side tester · The latest LED technology · Only one measurement required · Three display options · High-durability lamp · Low energy consumption

Art. No.	Description
BO 5164615	TinCheck®

Glass Processing Machinery

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 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 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 product catalogue 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.

01 | Sandblasting Systems

SBM Sandblasting System

▶ Sandblasting System SBM 1500P / SBM 2500P

The Bohle SBM sandblasting cabinet, manufactured by the company itself, 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 no entry or exit is required for the glass. Furthermore, by keeping the glass stationary, you eliminate the risk of scratching the backside of the glass.

Characteristics

- Manufactured by Bohle in Germany
- Virtually dust-free sandblasting
- Easy operation with touch screen
- Automatic blasting, 200 programs can be stored
- Air cushion supported, manual sandblasting (SBM 1500P)
- Consistent quality of abrasive

▼ Accessories

Aluminum oxide grain 220 · 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

Specifications	SBM 1500P Sandblasting System · Shading Programme	Sandblasting Cabinet SBM2500P · Shading Programme
Number of drives	2	2
Speed of x-axis	infinitely 6 m/min	infinitely 6 m/min
Speed of y-axis	infinitely 24 m/min	infinitely 24 m/min
Glass thickness	1/8 - 1-9/16 inch (3 - 40 mm)	1/8 - 1-9/16 inch (3 - 40 mm)
Max. glass height	78-3/4 inch (2000 mm)	102-3/8 inch (2600 mm), optionally: 126" (3210 mm)
Pane length	unlimited mm	unlimited mm
Max. blasting surface	114-3/16 x 59-1/16 inch (2900 x 1500 mm)	157-1/2 x 98-7/16 inch (4000 x 2550 mm)
Blasting pressure	infinitely 5.5 bar	infinitely 5.5 bar
Blasting performance	8 m²/h	16 m²/h
Dimensions	161-7/16 x 72-13/16 x 98-7/16 inch (4100 x 1850 x 2500 mm)	200-13/16 x 81-1/8 x 134-5/8 inch (5100 x 2060 x 3420 mm)
Working temperature	50 - 104 °F (10 - 40 °C)	50 - 104 °F (10 - 40 °C)
Art. No.	BO SBM1500P	BO SBM2500P

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 water for the system.

▶ | The Sedimentor Coolant Cleaning System

The Sedimentor Coolant Cleaning System from Bohle is an intelligent improvement for every glass fabricator's grinding and polishing process. It is a completely closed coolant recirculation system that receives dirty grinding water from the grinding machine and through a 2 step process, returns virtually clean water back to the grinding machine's spindles. As a result, the grinding machine can expect to experience improved feed-rates, longer diamond tooling life as well as showing improved glass edge quality. The most significant benefit of the Sedimentor however is the reduction of man-hours lost due to grinding tank cleaning and the disposal of contaminated water with coolant.

The system is simpler and easier to maintain compared to a conventional centrifuge whilst utilizing less energy. This is due to the Sedimentor's unique cone shape design that allows for continuous settling of large glass particles during the grinding machines daily operation. A second process utilizing a dry powder flocculant is administered automatically to ultimately filters suspended glass particles up to thirteen thousands of an inch from the water. These flocculated glass particles are then dumped through a solenoid valve in a waste removal bag that can be easily disposed of in an environmentally friendly method.

The dry powder flocculant, exclusive to the Bohle Sedimentor, is both biodegradable and 100% corrosive free unlike liquid flocculants that contain high levels of salt. The salts have been attributed to accelerated machine breakdown. The dispensing system has a unique screw-conveyer that does not allow for accidental overdosing and the bypass control method does not allow for the flocculant to enter into the grinding cycle.

By integrating the Sedimentor into an existing grinding machine process, the fabricator can look expect a return on investment in as little as 11 months. The Sedimentor 2.4P cleans up to 15lbs of glass particles per hour through either one or multiple grinding machines. This coupled with an extremely compact space-saving footprint makes the Sedimentor 2.4P ideal for any glass shop.

The UL listed, German manufacturer Bohle Sedimentor is a proactive solution for an environmentally conscious business owner looking to improve his process and final glass product.

Specifications	Sedimentor 2.4	Sedimentor 1.0 P 300	Sedimentor 0.3
Flow rate	74 gal/min (280 l/min)	39.5 gal/min (150 l/min)	13 gal/min (50 l/min)
Cleaning performance	approx. 15 lbs/h (7.2 kg/h)	approx. 7.9 lbs/h (3.6 kg/h)	approx. 2.2 lbs/h (1.0 kg/h)
Filling quantity	555 gal. (2100 Litres)	264 gal. (1000 Litres)	84.5 gal. (320 Litres)
Dry powder flocculant	Powder	Powder	Powder
Filter bag	79 gal. (300 Litres)	79 gal. (300 Litres)	18.5 gal. (70 Litres)
Art. No.	BO SEDI24UL	BO SEDI10UL	BO 85.30VL

Metric specifications are exact · inches are approximate

Characteristics
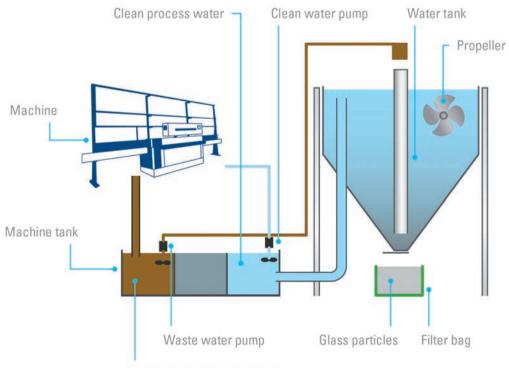
- Manufactured by Bohle in Germany

- Uses a low cost dry flocculant that is both biodegradable and 100% corrosive free

- Improved grinding and polishing results

- Programmable PLC for automatic functioning and accurate dosing

- Compact, space-saving footprint

- A decentralized solution that directly connects to the grinding process

- Removes up to 15 lbs (7.2kg) of glass grind from the coolant system per hour

▼ Accessories

Dry powder flocculant · pumps for return flow · disposable filter bags for removal of glass sludge

Sedimentor 2.4

Clean process water · Clean water pump · Water tank · Propeller · Machine · Machine tank · Waste water pump · Contaminated process water · Glass particles · Filter bag

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.

▶ **Cross Seaming Belt Grinding Machine for Dry Grinding**

Bohle twin belt grinding machines for dry grinding are ideally suited for these applications thanks to high-performance filtering systems. Scratches are avoided because the glass surface stays clean when grinding.

Characteristics

- Manufactured by Bohle in Germany

- Manual machine for dry grinding

- High quality grinding for Low E soft coat glass

- 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 · 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	4 x 72-1/6 inch (100 x 1830 mm)	4 x 45-11/16 inch (100 x 1160 mm)
Belt speed	15 m/s	15 m/s
Dimensions	43 x 41 x 70 inch (1100 x 1050 x 1800 mm)	27 x 26 x 63 inch (700 x 660 x 1600 mm)
Glass thickness	1/8 - 3/4 inch (3 - 20 mm)	1/8 - 1/2 (3/4) inch (3 - 12 (20) mm)
Art. No.	BO 80.12-T	BO 80.13-T

Metric specifications are exact · inches are approximate

▶ Cross Seaming Belt Grinding Machine 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

Characteristics

- 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 · Coolant Circulation Systems

Specifications	Twin Belt KSA 15/30	Twin Belt compact KSA-C 15/30
Belt type	hard and soft	hard
Belt length	4 x 72-1/6 inch (100 x 1830 mm)	4 x 45-11/16 inch (100 x 1160 mm)
Belt speed	15 / 30 m/s	15 / 30 m/s
Dimensions	43 x 41 x 70 inch (1100 x 1050 x 1800 mm)	27 x 26 x 63 inch (700 x 660 x 1600 mm)
Glass thickness	1/8 - 3/4 inch (3 - 20 mm)	1/8 - 3/4 inch (3 - 20 mm)
Art. No.	BO 80.12-P	BO 80.13-P

Belt Grinding Machines

For every application the right solution: Bohle glass belt grinding machines are available in the series Master Belt and Versalux. All the models can be optionally equipped with comprehensive accessories. At Bohle, top quality workmanship ensuring a longer service life is a matter of course: Screws, sheet metal and roller axles which are exposed to water are made of stainless steel; the machine housing is galvanized and lacquered. Smooth running is achieved by rubber-coated rolls.

▶ Glass belt grinding machine Master Belt

Characteristics

- Two belt speeds (11 m/s and 11/22 m/s)
- Including stainless steal ball castor table and water collecting tray for
- accurate guiding and support of all pane sizes
- Versatile and flexible for practically all grinding tasks
- Large contact roller (Ø 200 mm) for minimal hollow grinding
- Smooth running action
- Grinding and arrissing unit with easy handwheel adjustment
- Integrated coolant circulation system
- Modular system: Retrofitting and expansion possible at any time
- Accomodates all standard abrasive belts (100 x 1830 mm)

▼ Accessories

Table extension right and left, Sledge, for grinding small parts, Stop rollers for grinding circular panes, LED-Machine lamp, splash-proof, Contact roller Ø 200 mm, grinding radius approx. 50 mm/50 mm wide, Contact roller Ø 200 mm, grinding radius approx. 100 mm/50 mm wide, Contact roller Ø 200 mm, grinding radius approx. 300 mm/100 mm wide, Additional cooling device with flexible hose + magnetic base

Master Belt with accessories

Specifications	Master Belt 11	Master Belt 11/22
Belt length	3-15/16 x 72-1/16 inch (100 x 1830 mm)	3-15/16 x 72-1/16 inch (100 x 1830 mm)
Working height	41-5/16 inch (1050 mm)	41-5/16 inch (1050 mm)
Power connection	1,4 kW, 400 V, 50 Hz, 3NPE	1,7/2,1 kW, 400 V, 50 Hz, 3NPE
Belt speed	11 m/s	2-speed 11/22 m/s
Dimensions	47-1/4 x 44-1/2 x 67-11/16 inch (1200 x 1170 x 1600 mm)	47-1/4 x 44-1/2 x 67-11/16 inch (1200 x 1170 x 1600 mm)
Art. No.	BO MB11	BO MB1122

Metric specifications are exact · inches are approximate

Characteristics

- Manual grinding machine with

- uniform belt speed

- For simple grinding applications

- Available in 230 V and in 400 V

- Smooth running action

  Integrated coolant circulation system, optimum belt cooling

  Simple belt changing system for grinding edges and arrisses

  For use with all common silicon carbide abrasive belts (100 x 2690 mm)

Specifications	Versalux+ 230 V	Versalux+ 400 V
Belt speed	7.5 m/s	7.5 m/s
Dimensions	780 x 470 x 1650 mm	780 x 470 x 1650 mm
Abrasive belt dimensions (W x L)	100 x 2690 mm	100 x 2690 mm
Working height approx.	1000 mm	1000 mm
Power connection	2 kW, 230 V, 50 Hz, 1NPE	2 kW, 400 V, 50 Hz, 3NPE
Weight	110 kg	110 kg
Art. No.	BO VL07230	BO VL07400

Disc Grinding Machines

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

▶ Disc Grinding Machines

Characteristics
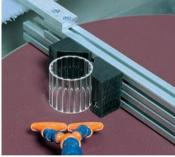
- Manufactured by Bohle in Germany
- Frequency-controlled speed with electronic brake
- Precisely ground steel disc ø 23-5/8" (600 mm)
- Vibration-free run for optimum grinding results
- Quick and easy exchange of magnetic grinding discs
- Central coolant supply through the axle of the grinding disc
- 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 100 - 800 rpm
Disc support	ø 23-5/8 inch (600 mm)
Rotational direction	clockwise and anti-clockwise
Water connection	1/2"
Dimensions	31-1/2 x 31-1/2 x 39-3/8 inch (800 x 800 x 1000 mm)
Art. No.	BO 81.3-S

Metric specifications are exact · inches are approximate

04 | Drilling Machines

Automatic Drilling Machines

▶ Super Drill

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.

Characteristics

- Manufactured by Bohle in Germany

- Double-sided horizontal drilling machine with pneumatic-hydraulic or electric feed drive

- Contact-free digital measuring systems for drilling depth

- Easy digital adjustment of the drilling depth at the meter

- Easy zero setting of the drill by push-button

- Continuously adjustable advancing of both spindles

- Drill diameters from 1/8" to 4" (3-105mm)

▼ Accessories

Ball castor tables · Coolant collecting trays and circulation systems · Mechanical positioning stoppers · Laser positioning device · halogen lamp · Digital stopper systems

fully automatic glass drilling with ball castor table (accessories)

Specifications	Super Drill Eco
Dimensions	31-1/2 x 65-3/8 x 72-13/16 inch (800 x 1660 x 1850 mm)
Glass thickness	1/8 x 13/16 inch (3 - 20 mm) (one-sided up to 1-9/16" / 40 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 Double headed drilling machine

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.

Characteristics

- Manufactured by Bohle in Germany

- Double-sided horizontal drilling machine with pneumatic-hydraulic or electric feed drive

- Electronic speed control via frequency converter

- Long reach of 39-3/8" (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, galvanized 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
Dimensions	29-15/16 x 60-1/4 x 64-15/16 inch (760 x 1530 x 1650 mm)
Speed	infinitely 300 - 3500 rpm
Glass thickness	1/8 x 13/16 inch (3 - 20 mm) (one-sided up to 1-9/16" / 40 mm)
Drill diameter	1/8 - 4-1/8 inch (3 - 105 mm)
Art. No.	BO 79.3-SUL

Metric specifications are exact · inches are approximate

▶ 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.

Characteristics

- 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 1/8" and 2-15/16" (3 and 75 mm)

Specifications	Pico Drill 100 T	Pico Drill 100 T with table	Pico Drill 100 L	Laser for Pico Drill
Description	Pico Drill 100 T Tabletop Drilling Machine, 110 V / 50-60 Hz	Pico Drill 100 T with table W 53-1/8" (1350 mm) x D 35-1/16" (890 mm), working height 37-13/16" (960 mm), 230 V / 50-60 Hz	Pico Drill 100 L, 110 V / 50-60 Hz	Laser for Pico Drill 79.200, 79.201, 79.200L and 79.201L
Art. No.	BO 79.251	BO 79.260	BO 79.201L	BO 79.210

Specifications	Cross laser for Pico Drill 79.250 and 79.260
Art. No.	BO 79.215

▶ 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

ⓘ Reach 16-15/16 inch ~ 430 mm · Width 490 mm · Height 23-1/4 inch ~ 590 mm · Depth 32-11/16 inch ~ 830 mm

Art. No.	Description
BO 79.251	Pico Drill 100 T Tabletop Drilling Machine, 110 V / 50-60 Hz
BO 79.270	Supplemental table with stoppers for Pico Drill 100 T · W 53-1/8" (1350 mm) x D 35-1/16" (890 mm), working height 37-13/16" (960 mm)

Verti-Clean Glass Washing Machines

▶ 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.

Characteristics

- Space-saving vertical design

- Motor-driven inlet and outlet with shut-off

- 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

Specifications	Verti-Clean 15.4	Verti-Clean 16.4	Verti-Clean 16.4 - 20
Washing height	59-1/16 inch (1500 mm)	63 inch (1600 mm)	63 inch (1600 mm)
Number of brushes	4	4	4
Glass thickness	1/8 - 1/2 inch (3 - 12 mm)	1/8 - 1/2 inch (3 - 12 mm)	1/2 - 13/16 inch (3 - 20 mm)
Total length	200-13/16 inch (5100 mm)	200-13/16 inch (5100 mm)	200-13/16 inch (5100 mm)
Total height	84-5/8 inch (2150 mm)	88-9/16 inch (2250 mm)	88-9/16 inch (2250 mm)
Art. No.	BO 84.154	BO 84.164	BO 84.164-2

Metric specifications are exact · inches are approximate

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. A nice side effect: your glass processing results are also improved due to optimum cooling and the possibility to use cooling lubricants.

Characteristics

- 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	13 fl. oz. (50 Litres)	13 fl. oz. (50 Litres)	13 fl. oz. (50 Litres)	26.5 fl. oz. (100 Litres)
Flow rate	60 l/min	60 l/min	100 l/min	60 l/min
Dimensions	(640 x 400 x 330 mm)	(640 x 400 x 330 mm)	(640 x 400 x 330 mm)	(640 x 800 x 450 mm)
Art. No.	BO 78.81S	BO 78.82	BO 78.82-1	BO 78.95

Specifications	KUS 3-1	KUS 4-1
Tank size	26.5 fl. oz. (100 Litres)	53 fl. oz. (200 Litres)
Flow rate	100 l/min	100 l/min
Dimensions	(640 x 800 x 450 mm)	(1270 x 800 x 450 mm)
Art. No.	BO 78.95-1	BO 78.96-1

Dust Filtering Systems

► Dust Filtering Systems

Dry grinding as well as other surface-erosive processes (e.g. sandblasting) produce 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 specially 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.

Characteristics

■ Suitable for Twin Belt grinding machine for dry grinding

■ Certifed 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 especially 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 material

Specifications	Dust Filtering System
Art. No.	BO 89.205

Metric specifications are exact · inches are approximate

07 | Worktables

Tilting Table for Glaziers

The top quality Bohle glazier's tilting tables offer excellent value for money and can be used as cutting tables as well as work areas. All the tables are lined with black felt.

▶ Tilting Table for Glaziers

Working · tilting · move / store

Characteristics

- Easy handling
- Saves space in your workshop
- Flexible use
- Continuous tabletop with high-quality glazier felt cover, 3/16" (4 mm)
- Supplied completely assembled
- Made in the USA by Woods PowrGrip

Specifications	Tilting Table for Glaziers
Size	98-7/16 x 66-15/16 x 35-7/16 inch (2500 x 1700 x 900 mm)
load	max. 495 lbs (225 kg)
Tilting	manual
Art. No.	BA 6066500

Glass Grinding · Glass Drilling · Glass Sawing

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.

01 | Glass Grinding

Abrasive Belts and Discs

Bohle offers different glass grinding belts which are suitable for a variety of different 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 catalog are available on request.

▶ Silicon Carbide Abrasive Belt - 1 1/8" x 21"

When grinding glass, a milky, dull finish is produced - good abrasive capacity - good service life - for universal use - Made in Germany - Pack of 10

ⓘ Size 1 1/8" x 21" inch ~ 28 x 533 mm · 10 belts per pack

Art. No.	Grit
BA 182140	40
BA 182180	80
BA 182120	120
BA 182220	220
BA 182320	320
BA 182500	500
BA 182400	400

▶ Cork Polishing Belt ☆

Bohle introduces a cork polishing belt designed for high quality manual grinding machines. Silicone carbide free, these cork belts work best when soaked in water for 30 minutes prior to work. Supplied in singles.

Art. No.	Length · Width
BO 5053301N	21 inch (533 mm) · 1-3/16 inch (30 mm)

▶ Silicon Carbide Abrasive Belts 3" x 21"

When grinding glass, a milky, dull finish is produced - good abrasive capacity - good service life - for universal use - Made in Germany - Pack of 10

ⓘ Size 3" x 21" inch ~ 76 x 533 mm · 10 belts per pack

Art. No.	Grit
BA 321060	60
BA 321080	80
BA 321120	120
BA 321180	180
BA 321220	220
BA 321400	400
BA 321600	600
BA 3210917	800

▶ Silicon Carbide Abrasive Belt - 4" x 106"

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use · Made in Germany · pack of 5

ⓘ Size 4" x 106" inch ~ 101 x 2692 mm · 5 belts per pack

Art. No.	Grit
BA 410604	40
BA 410606	60
BA 410608	80
BA 410610	100
BA 410612	120
BA 410618	180
BA 410622	220
BA 410632	320
BA 410640	400
BA 410660	600
BA 4106917	800

▶ Silicon Carbide Abrasive Belt 3" x 24"

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

ⓘ 10 belts per pack

Art. No.	Grit
BA 324060	60
BA 324080	80
BA 324120	120
BA 324180	180
BA 324220	220
BA 324400	400
BA 324600	600
BA 3240917	800

Metric specifications are exact · inches are approximate

► Makita® 9031, 1-1/8" x 21" Belt grinding Machine

Makita® 9031, 1-1/8" x 21" variable speed belt sander · compact and lightweight for close quarter work with excellent manueuverability · has a ball and needle bearing construction for smooth operation and long tool life · narrow belt and exposed front pulley for use in close quarters or on irregular shapes multi-position side handle for easy and more comfortable operation · lock-on button for continuous operation · connects to dust collector for a cleaner work enviroment.
Includes 2 each abrasive belts 40 grit, 60 grit, 80 grit, 100 grit and 120 grit

ⓘ Belt size: 1 1/8" x 21"· Belt speed: 656 - 3280 ft/min · AMPS: 5.0   Length: 15" · Net weight: 4.6 lbs

Art. No.	Description
BA 5309031	Makita® 9031, 1-1/8" x 21"
BO 5300302	Gliding shoe
BO 5300300R	Deflection roller, complete
BO 5300303	Spare carbon brush MAKITA 9031
BO 5300301	Spare carbon brush MAKITA 9030

Please note:
This tool is for dry grinding only !

► Makita® Variable Speed Belt Sander

Makita® variable speed belt sander with an electronic speed control dial that allows pre-setting the maximum speed · auto tracking belt system tracks belt without adjustment · unique design allows flush sanding to the corner of the wall with nose and side of sander · front grip design for comfortable operation · dust bag for a cleaner work enviroment · long 16.4 ft power cord for easy maneuverability · 8.8 amp motor for powerful performance · sands wood or metal and removes paint and rust · double insulated · Includes 1 x 80 grit belt, dust bag

ⓘ Belt speed: 690 · 1440 ft/min · AMPS: 8.8

Art. No.	Belt size · Length · Weight
BA 5309920	3" x 24" · 13 1/8" · 9.9 lbs
BA 5309903	3" x 21" · 11 5/8" · 11.8 lbs

► Makita® Disk Sander

Makita 5" Disk Sander - compact and lightweight for close quarter work with excellent manueuverability · multi-position side handle for easy and more comfortable operation · Sanding Disks available in 60, 80, 120, 220, 400 and 500 grit

ⓘ Belt size: 1 1/8" x 21"· Belt speed: 656 - 3280 ft/min · AMPS: 5.0   Length: 15" · Net weight: 4.6 lbs

Art. No.	Description
BA 5309910	Makita 5" Disk Sander
BA 5309911	Makita 7" Disk Sander

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

ⓘ Air requirement 360 l/min · Speed 1800 rpm · Drill chuck width 1/8 - 3/8 inch ~ 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

ⓘ Shaft diameter 1/4 inch ~ 6 mm

Art. No.	Diameter · Height
BO 5007545	9/16 inch (15 mm) · 1-3/16 inch (30 mm)
BO 5007546	1-3/4 inch (45 mm) · 1-3/16 inch (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 supports BO 5007545 · N = for grinding · R = for polishing

ⓘ Diameter 9/16 inch ~ 15 mm · Height 1-3/16 inch ~ 30 mm

Art. No.	Grit · Color
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 ring for Seaming Machines

For corner edging device on twin belt grinding machines

Art. No.	Grit · Diameter · Width
BO 5007583	3-15/16 inch (120 / N125) · 1-1/2 inch (100 mm) · 1-1/2 (38 mm)
BO 5007584	3-15/16 inch (220 / N74) · 1-1/2 inch (100 mm) · 1-1/2 (38 mm)

Metric specifications are exact · inches are approximate

▶ 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 supports BO 5007546 · N = for grinding · R = for polishing

ⓘ Diameter 1-3/4 inch ~ 45 mm · Height 1-3/16 inch ~ 30 mm

Art. No.	Grit · Color
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!

Grinding Belts and Abrasives for Machines

Bohle offers different glass grinding belts which are suitable for a variety of different 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 catalog are available on request.

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.

▶ Cork Polishing Belt ☆

Bohle introduces a cork polishing belt designed for high quality manual grinding machines. Silicone carbide free, these cork belts work best when soaked in water for 30 minutes prior to work.

Art. No.	Length · Width
BO 6026901N	106 inch (2690 mm) · 4 inch (100 mm)
BO 5053301N	21 inch (533 mm) · 1-3/16 inch (30 mm)

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

▶ PSA Silicone Carbide Disc

Made in Germany

ⓘ Packaging unit 50 items

Art. No.	Diameter · Grit
BA 5PSA60	5 inch (127 mm) · 60
BA 5PSA80	5 inch (127 mm) · 80
BA 5PSA220	5 inch (127 mm) · 220
BA 5PSA400	5 inch (127 mm) · 400
BA 5PSA600	5 inch (127 mm) · 600
BA 5PSA917	5 inch (127 mm) · 800
BA 6PSA60	6 inch (152 mm) · 60
BA 6PSA80	6 inch (152 mm) · 80
BA 6PSA120	6 inch (152 mm) · 120
BA 6PSA220	6 inch (152 mm) · 220
BA 6PSA400	6 inch (152 mm) · 400
BA 6PSA600	6 inch (152 mm) · 600
BA 6PSA917	6 inch (152 mm) · 800
BA 7PSA80	7 inch (178 mm) · 80
BA 7PSA120	7 inch (178 mm) · 120
BA 7PSA220	7 inch (178 mm) · 220

▶ Back-up Pad

Back-up Pad - vinyl - for PSA abrasive discs

Art. No.	Diameter
BA 5PAD00	5 inch (127 mm)
BA 6PAD00	6 inch (152 mm)

Metric specifications are exact · inches are approximate

General Accessories for Grinding

▶ Abrasive Diamond Hand Pad Diapad

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

ⓘ Length 3-9/16 inch ~ 90 mm · Width 2-3/16 inch ~ 55 mm · Height 1-1/16 inch ~ 27 mm

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

▶ Schleiffix Hand Block

for cleaning and polishing glass and metal, fittings. Ideal for anodized aluminum profiles were storage or installation marks are visible.

ⓘ Length 3-1/8 inch ~ 80 mm · Width 1-15/16 inch ~ 50 mm · Height 13/16 inch ~ 20 mm · Grit 240

Art. No.
BO 54006024

▶ Abrasive Diamond Hand Pad

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

ⓘ Length 3-15/16 inch ~ 100 mm · Width 2-1/4 inch ~ 57 mm · Height 1-3/16 inch ~ 30 mm

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

▶ Diamond-faced Hand Files

For de-burring glass, ceramic and acrylic glass · in 2 sizes: 3/4" x 1-7/16" (19 x 37 mm) and 1/2" x 1-3/4" (12 x 44 mm)

Art. No.	Grit · Length · Width
BO 5010051	3/4 inch (120 / N 125) · 1-7/16 inch (19 mm) · 37 mm
BO 5010052	3/4 inch (220 / N 74) · 1-7/16 inch (19 mm) · 37 mm
BO 5010053	3/4 inch (400 / N 40) · 1-7/16 inch (19 mm) · 37 mm
BO 5010061	1/2 inch (120 / N 125) · 1-3/4 inch (12 mm) · 44 mm
BO 5010062	1/2 inch (220 / N 74) · 1-3/4 inch (12 mm) · 44 mm
BO 5010063	1/2 inch (400 / N 40) · 1-3/4 inch (12 mm) · 44 mm
BO 5010064	800 / N 20 · 12 mm · 44 mm

► Hand Seaming Stone

Silicon carbide · for polishing glass edges

ⓘ Length 7-7/8 inch ~ 200 mm · Width 1-15/16 inch ~ 50 mm · Height 1 inch ~ 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

ⓘ Grit 100

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

► "Griffi" Glass Gripper

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

Art. No.	
TG HA110	

► Work Apron

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

ⓘ Length 47-1/4 inch ~ 120 cm · Width 31-1/2 inch ~ 80 cm

Art. No.	
BO 5007604	Work Apron

► Protective Glasses Economy

Panorama glasses · non-slip plastic sport arm, length and slant adjustable · with anti-fog coating · DIN EN166:2002-4

Art. No.	
BA 5007614	

► Felt Polishing Wheel

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

ⓘ Diameter 3-1/8 inch ~ 80 mm · Thickness 1-3/16 inch ~ 30 mm · Color white

Art. No.	
BO 5007901	

Metric specifications are exact · inches are approximate

▶ Polishing Gel containing Cerium

Cero-Gel is a high quality polishing agent based on cerium oxide - a product made of rare earth elements. 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. Using supreme quality components allows the gel to be applied systematically and precisely. Cero-Gel can be applied manually with a suitable polishing cloth (microfibre cloth). In case of persistent contamination and hairline scratches, it is best to use a manual polishing device. As economy version we recommend 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

ⓘ Contents 3.3 fl. oz. ~ 100 ml · Recommended: 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

▶ Bohle Cerium Oxide Polishing Compound

Bohle Cerium Oxide, polishing compound. For Bevelling and Polishing Machinery as well as 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 50 079 01

Art. No.	Contents
BA 6026462	1lb (2.2kg)
BA 6026460	44 lbs (20kg)

▶ 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 Radora Brillant

RADORA BRILLANT is a soft abrasive cleaner for car windows, insulated glass, windows, mirrors, UV-reflection glass, float glass, aluminum-coated with powder, brass, copper, chrome, silver, window frames made of synthetic material, glazed tiles and tiles. It is great for removing suction prints, silicone networks, as well as smooth silicone residue on glass. The product is recommended by: SAINT-GOBAIN GLASS, SCHOTT GLAS AG, Pilkington for the Pilkington Activ ™ to eliminate silicone · Ideal for scratch removal when used together with a Cerium polishing powder and polishing felt - 16 oz bottle / 500ml

Art. No.	
BO 5008003	

▶ 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 light-weight 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	

▶ ACECOOL 5679
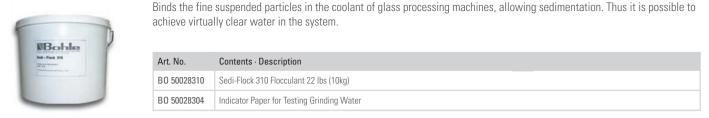
ACECOOL 5679 is a fully synthetic coolant and is ideal for edge drilling, and sawing glass - can be used for processing float glass, technical glass (borosilicate) and crystal lead crystal glass - increased corrosion inhibition anddispersing effect - free from mineral oil - Contentrated: Dilution mix ratio 2.5%

Art. No.	Contents
BO 6100402A	44 lbs (20 kg)
BO 6100420A	440 lbs (220 kg)

Metric specifications are exact · inches are approximate

► Flocculant

Binds the fine suspended particles in the coolant of glass processing machines, allowing sedimentation. Thus it is possible to achieve virtually clear water in the system.

Art. No.	Contents · Description
BO 50028310	Sedi-Flock 310 Flocculant 22 lbs (10kg)
BO 50028304	Indicator Paper for Testing Grinding Water

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

Art. No.	Contents · Description
BO 50028401	300 Litre · normal drainage · for all glass types · for universal applications
BO 50028403	70 Litre · very good drainage properties · washable several times

► ACEDET 5509 - Low E Washing Machine Detergent

Neutral, non ionic product particularly for use in insulating glass industry - does not attack soft coated glass - during proper application has no negative effect on the subsequent sealing - for washing before laminated glass production as well as before coating and tempering - post-connected refinement processes during proper application are also not influenced - at recommended application temperatures (40 - 60 °C) the product is virtually foam free - has no negative effect on the ion exchange system, however its detergency is not decreased by the ion exchanger - can also be used on cycle washing machines Please note: Hazardous material - Shipping by air is not possible

Art. No.	Contents
BO 6100602	48 lbs (22 kg)

► ACEPAREN 5446 Separating Agent for IG Manufacturing ☆

Separating agent for use on racks · for racks for the insulating glass industry · contains neithersilicon oil, mineral oil, nor wax · aidswarehouses and transportation frames toremain clean, in particular during regularapplications · in addition, can be used forsmoothing sealants (PS, PU, Silicone),among other purposes such as during theinstallation of insulating glass, themanufacture of panes of glass, and the sealing of glass roofs, or similar purposes can easily be washed off with water does not attack rubber and plastics

ⓘ Contents 44 lbs ~ 20 kg

Art. No.	
BO 6005400	

▶ Paint Marker

Plastic tip in metal housing · shake well before using

ⓘ Color: white · Attribute: waterproof

Art. No.	Line width
BO 5007909	0.8 mm
BO 5007910	5/16 inch (2 - 4 mm)

▶ Scriber

With tungsten carbide tip · for marking glass and tiles

Art. No.	
BO 5005600	

▶ Glass Marking Crayon

Ideal for marking glass prior to fabrication will not burn into the glass surface during the tempering process - suitable for wet glass comes off in washing machine   no danger of corrosion

ⓘ Color white

Art. No.	Packaging unit
BO 5007400	10 items
BO 5007403	250 items
BO 5007404	500 items
BO 5007405	1000 items

▶ Metal Holder

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

Art. No.	
BO 5007401	

Metric specifications are exact · inches are approximate

▶ ALL-Stabilo Pen

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

ⓘ Attribute: waterproof

Art. No.	Description · Color
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

▶ Drill Hole Marker ☆

ⓘ For glass and tiles · Length 1 inch ~ 25 mm · Thickness 1/16 inch ~ 1 mm · Color black · Version waterproof

Art. No.	
BO 50079103	Drill Hole Marker

02 | Glass Drilling

Power Tools 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 fixation on the glass. Coolant is supplied directly into the hollow drill through the supply valve at the side. 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 an ordinary grounded socket.The model Pico Drill 100 L includes a point laser which greatly facilitates the positioning of the machine on the glass.

ℹ Technical Data:
Electrical connection 1,15 KW, 110 V, 50 - 60 Hz, 1NPE · Drill diameters max. 2-15/16 inch ~ 75 mm · Drill depth max. 13/16 inch ~ 20 mm · Weight 27.5 lbs ~ 12.5 kg

Art. No.	Description
BO 79.201L	Pico Drill 100 L, 110 V / 50-60 Hz
BO 79.210	Laser for Pico Drill 79.200, 79.201, 79.200L and 79.201L

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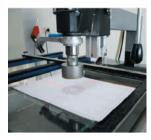
Portable tabletop glass drilling machine with stainless steel coolant collecting tray and insert rings · suitable for table BO 79.270 · see Pico Drill 100 for technical data · Manufactured by Bohle in Germany

ℹ Reach 16-15/16 inch ~ 430 mm · Width 19-5/16 inch ~ 490 mm · Height 23-1/4 inch ~ 590 mm · Depth 32-11/16 inch ~ 830 mm

Art. No.	Description
BO 79.251	Table-top drilling machine, with water tray
BO 79.270	Supplemental table with stoppers for Pico Drill 100 T · 53-1/8 x 35-1/16 x 37-13/16 inch (1350 x 890 x 960 mm)

Metric specifications are exact · inches are approximate

► Cross Laser

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

ⓘ Description Cross Laser

Art. No.	
BO 79.215	Cross laser for Pico Drill 79.250 and 79.260

► Pico Drill with Table

Professional starter machine with table w 53-1/8" x d 35-1/16" (W 1350 x D 890 mm), adjustable stoppers for precise positioning, including drilling templates as glass support.

ⓘ Working height 37-13/16 inch ~ 960 mm

Art. No.	Description
BO 79.270	Supplemental table with stoppers for Pico Drill 100 T · 53-1/8 x 35-1/16 x 37-13/16 inch (1350 x 890 x 960 mm)

Glass Grinding ,
Drilling, Sawing

Diamond Core Drills

▶ Diamond Core Drill Bits with 1/2 Thread

For float glass fabrication use · drill base made of steel · covered with protective lacquer · diamond coating from sintered material · drill hasto be sharpened before first use - in 75mm and 95mm lengths (Forvet machines) available

ℹ Outer thread (Continental) R 1/2"

Art. No.	Diameter · Length · Description · Width · Height
BO 5000403	1/8 inch (3 mm) · 2-15/16 inch (75 mm)
BO 5000404	3/16 inch (4 mm) · 2-15/16 inch (75 mm)
BO 5000405	3/16 inch (5 mm) · 2-15/16 inch (75 mm)
BO 5000255	3/16 inch (5.5 mm) · 2-15/16 inch (75 mm)
BO 5000406	1/4 inch (6 mm) · 2-15/16 inch (75 mm)
BO 5000406L	1/4 inch (6 mm) · 3-3/4 inch (95 mm)
BO 5000407	1/4 inch (7 mm) · 2-15/16 inch (75 mm)
BO 5000408	5/16 inch (8 mm) · 2-15/16 inch (75 mm)
BO 5000409	3/8 inch (9 mm) · 2-15/16 inch (75 mm)
BO 5000410	3/8 inch (10 mm) · 2-15/16 inch (75 mm)
BO 5000411	7/16 inch (11 mm) · 2-15/16 inch (75 mm)
BO 5000412	1/2 inch (12 mm) · 2-15/16 inch (75 mm)
BO 5000412L	1/2 inch (12 mm) · 3-3/4 inch (95 mm)
BO 5000413	1/2 inch (13 mm) · 2-15/16 inch (75 mm)
BO 5000414	9/16 inch (14 mm) · 2-15/16 inch (75 mm)
BO 5000415	9/16 inch (15 mm) · 2-15/16 inch (75 mm)
BO 5000415L	9/16 inch (15 mm) · 3-3/4 inch (95 mm)
BO 5000416	5/8 inch (16 mm) · 2-15/16 inch (75 mm)
BO 5000417	11/16 inch (17 mm) · 2-15/16 inch (75 mm)
BO 5000418	11/16 inch (18 mm) · 2-15/16 inch (75 mm)
BO 5000419	3/4 inch (19 mm) · 2-15/16 inch (75 mm)
BO 5000420	13/16 inch (20 mm) · 2-15/16 inch (75 mm)
BO 5000420L	13/16 inch (20 mm) · 3-3/4 inch (95 mm)
BO 5000421	13/16 inch (21 mm) · 2-15/16 inch (75 mm)
BO 5000422	7/8 inch (22 mm) · 2-15/16 inch (75 mm)
BO 5000423	7/8 inch (23 mm) · 2-15/16 inch (75 mm)
BO 5000424	15/16 inch (24 mm) · 2-15/16 inch (75 mm)
BO 5000425	1 inch (25 mm) · 2-15/16 inch (75 mm)
BO 5000426	1 inch (26 mm) · 2-15/16 inch (75 mm)
BO 5000427	1-1/16 inch (27 mm) · 2-15/16 inch (75 mm)
BO 5000428	1-1/8 inch (28 mm) · 2-15/16 inch (75 mm)
BO 5000428L	1-1/8 inch (28 mm) · 3-3/4 inch (95 mm)

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

Metric specifications are exact · inches are approximate

BO 5000429	1-1/8 inch (29 mm) · 2-15/16 inch (75 mm)
BO 5000430	1-3/16 inch (30 mm) · 2-15/16 inch (75 mm)
BO 5000432	1-1/4 inch (32 mm) · 2-15/16 inch (75 mm)
BO 5000433	1-5/16 inch (33 mm) · 2-15/16 inch (75 mm)
BO 5000434	1-5/16 inch (34 mm) · 2-15/16 inch (75 mm)
BO 5000435	1-3/8 inch (35 mm) · 2-15/16 inch (75 mm)
BO 5000436	1-7/16 inch (36 mm) · 2-15/16 inch (75 mm)
BO 5000437	1-7/16 inch (37 mm) · 2-15/16 inch (75 mm)
BO 5000438	1-1/2 inch (38 mm) · 2-15/16 inch (75 mm)
BO 5000440	1-9/16 inch (40 mm) · 2-15/16 inch (75 mm)
BO 5000442	1-5/8 inch (42 mm) · 2-15/16 inch (75 mm)
BO 5000443	1-11/16 inch (43 mm) · 2-15/16 inch (75 mm)
BO 5000445	1-3/4 inch (45 mm) · 2-15/16 inch (75 mm)
BO 5000446	1-13/16 inch (46 mm) · 2-15/16 inch (75 mm)
BO 5000448	1-7/8 inch (48 mm) · 2-15/16 inch (75 mm)
BO 5000450	1-15/16 inch (50 mm) · 2-15/16 inch (75 mm)
BO 5000452	2-1/16 inch (52 mm) · 2-15/16 inch (75 mm)
BO 5000455	2-3/16 inch (55 mm) · 2-15/16 inch (75 mm)
BO 5000458	2-5/16 inch (58 mm) · 2-15/16 inch (75 mm)
BO 5000460	2-3/8 inch (60 mm) · 2-15/16 inch (75 mm)
BO 5000461	2-3/8 inch (61 mm) · 2-15/16 inch (75 mm)
BO 5000465	2-9/16 inch (65 mm) · 2-15/16 inch (75 mm)
BO 5000468	2-11/16 inch (68 mm) · 2-15/16 inch (75 mm)
BO 5000470	2-3/4 inch (70 mm) · 2-15/16 inch (75 mm)
BO 5000475	2-15/16 inch (75 mm) · 2-15/16 inch (75 mm)
BO 5000480	3-1/8 inch (80 mm) · 2-15/16 inch (75 mm)
BO 5000490	3-9/16 inch (90 mm) · 2-15/16 inch (75 mm)
BO 50004100	3-15/16 inch (100 mm) · 2-15/16 inch (75 mm)
BO 5000499	Sharpening Stone · 3-9/16 inch (90 mm) · 2-3/4 inch (70 mm) · 13/16 inch (20 mm)
BO 5000499L	Sharpening Stone · 7-1/16 inch (180 mm) · 2-3/4 inch (70 mm) · 13/16 inch (20 mm)
BO 5000499B	Sharpening Stone · 7-7/8 inch (200 mm) · 2 inch (50 mm) · 1 inch (25 mm)

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.

▶ Diamond Countersinks

ⓘ Outer thread (Continental) R 1/2" · Length 2-15/16 inch ~ 75 mm

Art. No.	Diameter
BO 5000535	1-3/8 inch (35 mm)
BO 5000545	1-3/4 inch (45 mm)
BO 5000565	2-9/16 inch (65 mm)

▶ Grinding Cone Holder

Elastic rubber body · transverse slits for attaching and exchanging the grinding cones BO 79.6120 · Made in Germany

ⓘ Diameter 2-3/8 inch ~ 60 mm · Shaft ø 1/4 inch ~ 6 mm

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

ⓘ Working range ø min. 3 mm · Cone angle 90 ° · Diameter 2 3/8 inch ~ 60 mm

Art. No.	
BO 79.6120	

▶ Spear point glass drill

Spare point glass drill for use in hand held low rpm drilling machines.

Art. No.	Size
BA 5000903	1/8 inch (2.5 mm)
BA 5000905	3/16 inch (5 mm)
BA 5000906	1/4 inch (6 mm)
BA 5000908	5/16 inch (8 mm)
BA 5000912	1/2 inch (12 mm)

Metric specifications are exact · inches are approximate

General Accessories for Glass Drilling

▶ 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, first use the dressing stone

Art. No.	Description · Length · Width · Height
BO 5000499	Sharpening Stone · 3-9/16 inch (90 mm) · 2-3/4 inch (70 mm) · 13/16 inch (20 mm)
BO 5000499L	Sharpening Stone · 7-1/16 inch (180 mm) · 2-3/4 inch (70 mm) · 13/16 inch (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, first use the dressing stone · especially for larger drill diameters and diamond segment drills

Art. No.	Description · Length · Width · Height
BO 5000499B	Sharpening Stone · 7-7/8 inch (200 mm) · 2 inch (50 mm) · 1 inch (25 mm)

Especially suitable for high performance, automatic drilling equipment e.g. Benteler with automatic sharpening unit!

▶ 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

ⓘ Length 5-7/8 inch ~ 150 mm · Width 15-3/8 inch ~ 390 mm · Height 1-3/16 inch ~ 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

ⓘ Length 3-15/16 inch ~ 100 mm · Width 1 inch ~ 25 mm · Height 1/2 inch ~ 13 mm

Art. No.	
BO 5000498	

► Thread Converter for Diamond Drill

For use with R 1/2" diamond hollow drills to convert to 1/4" thread

Art. No.	
BO 5000501	

► Thread Converter 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	

Metric specifications are exact · inches are approximate

03 | 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.

ⓘ Drill diameter 3/16 - 2-3/4 inch ~ 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 / 4.2 Ah
1x Battery Charger
1x Chuck
1x Standard bit set
1x Systainer tool case

▼ Characteristics

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
· 1-11/16" (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 / 4.2 Ah

▶ 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

ⓘ 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

▶ 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	

▶ Drilling Fixation 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 fixation even on relatively rough surfaces · special exchangeable drill bushings for 1/4", 5/16", 3/8" and 1/2" (6, 8, 10 and 12 mm) diameters · incl. storage case

Art. No.	
BO 79.350	Drilling Fixation Template with Suction Holders
SP 79.BG100	Drill bushing ø 1/4" (6 mm)
SP 79.BG101	Drill bushing ø 5/16" (8 mm)
SP 79.BG102	Drill bushing ø 3/8" (10 mm)
SP 79.BG103	Drill bushing ø 1/2" (12 mm)

▶ Drilling Aid for Pin Drill

With vacuum suction holder and adjustable drill plate

ⓘ Drill diameters 1/4, 5/16, 3/8, 1/2 inch ~ 6, 8, 10, 12 mm

Art. No.	
BO 79.351	

Metric specifications are exact · inches are approximate

▶ Drilling Aid - Adjustable

With vacuum suction holders and adjustable universal drill guide

ⓘ Diameter adjustable 13/16 - 2-3/4 inch ~ 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
SP 79.BG118	Drill bushing ø 5 mm for BO 79.353
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 118-1/8" (3 m)

ⓘ 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 ☆

ⓘ Thread 1/2"

Art. No.	
BO 79.12A	

Universal Accessories

Suitable for any cordless drilling machine.

▶ Drilling Aid for Pin Drill 3/16" - 1/2" (4 - 12 mm) ⭐

With suction foot and water connection

Art. No.	
BO 79.355	

▶ Diamantor® Thread Converter ⭐

ⓘ Inner thread M10 · 3/8 inch ~ 10 mm

Art. No.	
TG AF10	

▶ Diamantor® Diamond Core Drills ⭐

Galvanized for ceramic tiles · with eccentric inner drill hole · simple core ejection · Ideal for shower hardware installations

Art. No.	ø
TG F05	3/16 inch (5 mm)
TG F06	1/4 inch (6 mm)
TG F08	5/16 inch (8 mm)
TG F10	3/8 inch (10 mm)
TG F12	1/2 inch (12 mm)
TG F14	9/16 inch (14 mm)

Metric specifications are exact · inches are approximate

04 | Glass Sawing

Glass Sawing Machinery

▶ Makita Cordless Glass Saw CC 301 DSMJ

The new Makita cordless glass saw has a considerably higher battery capacity of 4 Ah compared to the previous model BO 5300110. It is particularly suitable for long, clean cuts, even with laminated safety glass and thick glass.

Art. No.	Description
BO 5300210	Makita Cordless Glass Saw CC 301 DSMJ

▶ Diamond Glass-Cutting Saw Blades

Art. No.	Description · Version · Thickness
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 3-3/8 inch (85 mm) · for standard float glass
BO 5301607	Diamond Saw Blade ø 3-3/8 inch (85 mm) · especially suitable for standard float glass
BO 5301606	Diamond cutting disc 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 cutting disc ø 115/22.2 mm · can be used for any Flex and is suitable for dry sawing ultrahard ceramics.
BO 5300112	Makita Diamond Saw Blade ø 85 mm · especially suitable for white glass and tile cutting
BO 53001620	Diamond Saw Blade ø 3-3/8 inch (85 mm)

Scratch Removal

Our glass repair systems remove both surface scratches as well as deep scratches from glass. The Scratch-Away system allows glass to remain vertical during processing. to leave the windows in place while you remove scratches from the glass.

▶ 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 · 6 polishing discs · 2 sponges · 1 felt-tip marker · 1 magnifying glass · instruction manual

ⓘ Version pneumatic · Air consumption 280 l/min · Speed 11000 rpm · Weight 1.6 lbs ~ 750 g

Art. No.	
BO 5300902	

▶ Polishing Disc

For „Scratch-A-Way" · with Velcro

ⓘ ø 2 inch ~ 50 mm

Art. No.	
BO 5300911	

▶ Magnifying Glass

30-fold magnification · to determine the depth of scratches in glass

Art. No.	
BO 5300903	

Metric specifications are exact · inches are approximate

▶ 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

Bohle

Vacuum Cups and Lifters

Vacuum Cups and Lifters

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.

01 | Handling with Vacuum Technology

Pump-Activated Vacuum lifters

Equipped with one suction pad only, pump-activated vacuum 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® vacuum lifters have been granted the TÜV Certificate (German Technical Inspection Agency) as they all take measures against an unintended vacuum loss.

▶ Veribor® blue line Plastic Vacuum lifter with Priming Pump, in Case

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

ⓘ Suction pad ø 8-1/4 inch ~ 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	264 lbs (120 kg) · parallel
BO 601.01	Spare Suction Pad
SP 6600.01K	Spare tappet
SP 6850K	Spare handle with bracket

Vacuum Cups and Lifters

▶ Veribor® Aluminum Handle Vacuum Cup with Priming Pump, in case

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

ⓘ Suction pad ø 8-1/4 inch ~ 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	264 lbs (120 kg) · parallel
BO 601.01	Spare Suction Pad
SP 6836.01	Spare handle with bracket
SP 6600.01	Spare tappet

▶ Veribor® Aluminum Handle Vacuum Cup with Priming Pump, in case

Pump-activated vacuum lifter made of aluminum with a special suction pad for curved or highly textured surfaces · Due to its strongly curved rubber pad, this vacuum 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 at the pump tappet enables the permanent visual monitoring of the vacuum. · working radius min. 20" (500 mm)

ⓘ Suction pad ø 8-11/16 inch ~ 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	176 lbs (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

Wood´s Powr-Grip® Pump-Activated Vacuum lifters

Bohle AG, tone of the largest authorised dealers for Wood´s Powr-Grip® products in Europe, has added numerous pump-activated vacuum 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 Vacuum lifter, Made of Plastic, N4000

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

ⓘ Suction pad ø 8 inch ~ 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	125 lbs (57 kg) · parallel

Metric specifications are exact · inches are approximate

Wood's Powr-Grip® Pump-Activated Vacuum lifter, Made of Plastic, N4000LM

One of the new Powr-Grip® pump-activated vacuum 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 discoloring and stains on the surface. The red ring at the pump tappet warns the user in case of significant loss of vacuum.

ⓘ Suction pad ø 8 inch ~ 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	125 lbs (57 kg) · parallel

Wood's Powr-Grip® Pump-Activated Vacuum lifter, Metal N6450

The Powr-Grip® pump-activated vacuum lifter with sturdy metal handle guarantees a safe grip and lends itself for handling curved and airtight surfaces. The large curved rubber pad (10" - 250 mm Ø) makes this vacuum lifter especially suitable for curved glass panes. The red ring at the pump tappet enables permanent visual monitoring of the vacuum. · working radius min. 13" (330 mm)

ⓘ Suction pad 10 inch ~ 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 · Load capacity 175 lbs ~ 79 kg · Lifting direction parallel

Art. No.	Load capacity · Lifting direction
BO 6023600	175 lbs (79 kg) · parallel

Wood's Powr-Grip® Pump-Activated Vacuum lifter, Metal N5450

Powr-Grip® vacuum 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 more flexible sealing lip of the rubber pad is suitable for materials which might bend or deform easily when lifting. The red ring on the pump tappet warns the user in case of a significant loss of vacuum.

ⓘ Suction pad ø 9 inch ~ 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	150 lbs (68 kg) · parallel

Wood's Powr-Grip® Pump-Activated Vacuum lifter, Metal N4950

The flat Powr Grip® pump-activated vacuum 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 8 inch ~ 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	126 lbs (57 kg) · parallel

Wood's Powr-Grip® Vacuum lifter with Manual Pump

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

ⓘ Suction pad ø 5-7/8 inch ~ 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	110 lbs (50 kg) · parallel

▶ Wood's Powr-Grip® Pump-Activated Vacuum lifters Metal LJ6VH

ⓘ Suction pad ø 6 inch ~ 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	70.4 lbs (32 kg) · vertical

▶ Wood's Powr-Grip® Vacuum lifter with Manual Pump

ⓘ Suction pad 5-7/8 x 2-15/16 inch ~ 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	66 lbs (30 kg) · vertical

▶ Plunger Assembly with Low Vacuum Audio Alarm WBP 90524AM

The Low Vacuum Audio Alarm adds another dimension of safety to handling materials with Powr-Grip's® world-famous vacuum cups: In addition to the visible red-line indicator, the plunger incorporates an audible indicator, to signal any vacuum loss. In applications where it is difficult to maintain visual confirmation of the vacuum level, the Audio Alarm provides the security of knowing that vacuum is sufficient for lifting. With automatic on/off function, the Audio Alarm is as simple to operate as any standard Powr-Grip hand cup.

ⓘ 70 dBa · AAA 1.2-1.5 volt battery · automatic on/off function

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

▶

- Bring it in and participate in our Woods exchange cup program
  Fully re-furbished, like new, 12 month factory warranty with return of your old cup.
- We take back 8" and 9" cups, with or without box.
- Ask us about it today and Go Green!

Art. No.	Description
BA 6023177	Woods Refurbished Exchange Cup 8" N4000 Lexan Handle
BA 6023570	Woods Refurbished Exchange Cup 8" N4950 Metal Handle

Metric specifications are exact · inches are approximate

Lever-Activated Vacuum lifters

Due to their special construction, the lever-activated vacuum 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 vacuum lifters are available with 1-3 suction pads and a load capacity of up to 220 lbs (100 kg).

Veribor® blue line

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

▶ Veribor® blue line 3-cup Vacuum lifter, Aluminum

Universal vacuum 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 aluminum together with an ergonomic, user-friendly plastic handle. Suitable for all materials with flat, airtight surfaces. The vacuum 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 4-3/4 inch ~ 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	220 lbs (100 kg) · parallel
BO 614.0BL	Spare suction pad for BO 603.0BL / BO 602.0BL / BO 602.4BL

▶ Veribor® blue line Vacuum lifter, 2-Cup, Aluminum, Transverse Handle

Vacuum 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 aluminum 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 4-3/4 inch ~ 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 · Lifting direction
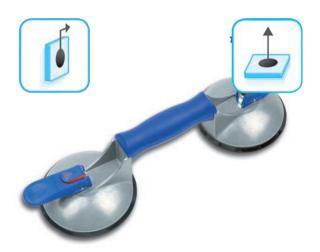
Art. No.	Load capacity · Lifting direction · Description
BO 602.0BL	132 lbs (70 kg) · parallel
BO 602.02BL	110 lbs (50 kg) · vertical) · rubber pad with additional sealing lip
BO 614.0BL	Spare suction pad for BO 603.0BL / BO 602.0BL / BO 602.4BL
BO 614.02BL	Spare suction pad for BO 602.02BL / BO 602.42BL

Vacuum Cups and Lifters

Veribor® blue line 2-cup Vacuum lifter, Aluminum, with Vacuum Indicator

This well-known Veribor® aluminum vacuum 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, like for the pump-activated vacuum lifters, is now possible. This is the only lever-activated vacuum 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 vacuum lifter can also be equipped with an additional sealing lip for slightly curved or textured surfaces (see BO 602.44BL).

ⓘ Suction pad ø 4-3/4 inch ~ 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	132 lbs (60 kg) · parallel
BO 602.44BL	99 lbs (45 kg) · vertical · rubber pad with additional sealing lip
BO 614.40BL	Spare suction pad for BO 602.40BL

Metric specifications are exact · inches are approximate

Veribor® blue line Vacuum lifter, 2-Cup, Aluminum, Handle Lengthwise

Vacuum 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 aluminum 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.

ⓘ Suction pad ø 4-3/4 inch ~ 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	132 lbs (60 kg) · parallel
BO 602.42BL	110 lbs (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 Vacuum lifter, Aluminum

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

ⓘ Suction pad ø 4-3/4 inch ~ 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	66 lbs (30 kg) · vertical
BO 600.02BL	55 lbs (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 Vacuum lifter Set

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

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

Veribor® Plastic Vacuum lifters

Veribor® plastic vacuum lifters: They are Bohle´s all-round devices. Due to the wide array of different versions, you are sure to find the right device for your individual project. Some plastic vacuum lifters are also available with vacuum gauge.

▶ Veribor® Vacuum lifter, 2-Cup, Plastic

The well-known and proven Veribor® plastic vacuum lifter has been completely redesigned and now offers improved carrying comfort due to an extended gripping area. In addition, the vacuum lifter is equipped with a newly designed rubber pad which does not roll up during transport. This vacuum 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 vacuum lifter.

ⓘ Suction pad ø 4-3/4 inch ~ 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 · Load capacity · Lifting direction

Art. No.	Load capacity · Lifting direction · Description
BO 602.1A	132 lbs (60 kg) · parallel
BO 602.11A	110 lbs (50 kg) · parallel · stainless
BO 614.0A	Spare Suction Pad

Metric specifications are exact · inches are approximate

Veribor® Vacuum lifter, 2 Plastic Swivel Heads with Vacuum Indicator

This Veribor® vacuum 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, like for the pump-activated vacuum lifters, is now possible. This is the only lever-activated vacuum lifter 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 4-3/4 inch ~ 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	121 lbs (55 kg) · parallel

Veribor® blue line 2-cup Vacuum lifter, Plastic, with Vacuum Indicator

The new Veribor® plastic vacuum lifter offers superb carrying comfort with its significantly larger gripping area. The levers with integrated vacuum gauge are a world's first. As for the pump-activated vacuum lifters, also this device now offers continuous visual monitoring of the vacuum. This is the only lever-activated vacuum lifter 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 4-3/4 inch ~ 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	110 lbs (50 kg) · parallel
BO 614.10BL	Spare suction pad for BO 602.10BL

Metric specifications are exact · inches are approximate

▶ Veribor® Vacuum lifter, 2 Plastic Swivel Heads

This vacuum 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.

ⓘ Suction pad ø 4-3/4 inch ~ ø 120 mm · Number of suction pads 2 · suitable for curved materials · suitable for Glass · suitable for Plastic · suitable for Metal · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 602.2A	110 lbs (50 kg) · parallel
BO 602.22A	77 lbs (35 kg with elongated hole) · parallelnew version () · double swivel heads
BO 614.0A	Spare Suction Pad

▶ Veribor® Vacuum lifter with 2 Plastic Swivel Heads and Large Rubber Pad

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

ⓘ Suction pad ø 5-7/8 inch ~ 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 · Description
BO 602.3	99 lbs (45 kg with elongated hole) · parallel) · double swivel heads

▶ Veribor® 1-Cup Vacuum lifter Plastic

Makes working with unwieldly 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 of stainless steel components

ⓘ Suction pad ø 4-3/4 inch ~ 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 · Load capacity · Lifting direction

Art. No.	Load capacity · Lifting direction · Description
BO 600.1	66 lbs (30 kg) · vertical
BO 600.11	66 lbs (30 kg) · made of stainless steel components
BO 610.0	Suction pad for BO 600.0 / BO 600.1

Veribor® Aluminum Vacuum lifters

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

▶ Veribor® 3-Cup Vacuum lifter Aluminum

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

ⓘ Suction pad ø 4-3/4 inch ~ 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	220 lbs (100 kg) · parallel
BO 614.0	Spare Suction Pad

▶ Veribor® 2-Cup Vacuum lifter Aluminum

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

ⓘ Suction pad ø 4-3/4 inch ~ 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	132 lbs (60 kg) · parallel
BO 614.0	Spare Suction Pad

Metric specifications are exact · inches are approximate

▶ Veribor® 1-Cup Vacuum lifter, Aluminum

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

ⓘ Suction pad ø 4-3/4 inch ~ 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	66 lbs (30 kg) · vertical
BO 610.0	Suction pad for BO 600.0 / BO 600.1

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® Vacuum lifter with Knob Grip, All-Rubber

The Veribor® all-rubber vacuum lifter ideally lends itself to lifting and carrying ifferent 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 nipples laterally.

ⓘ 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 3-1/8 inch (ø 80 mm) · 33 lbs (15 kg) · vertical
BO 609.55	ø 2 inch (ø 50 mm) · 11 lbs (5 kg) · vertical

Vacuum Cups and Lifters

Special Vacuum lifters

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

▶ Veribor® Vacuum lifter, with T-handle

This vacuum lifter can lift almost any sheet material, no matter how textured its surface is. Due to its large, soft rubber pad, this Veribor® vacuum lifter ideally adapts itself to stone plates, chequer plates and structured floors. · Press the vacuum 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.

ⓘ Suction pad with Sealing Lip ø 7-1/16 inch ~ ø 180 mm · Number of suction pads 1 · suitable for Plastic · suitable for coated wood · suitable for marble / stoneware · with CE sign

Art. No.	Load capacity · Lifting direction · Description
BO 608.0	132 lbs (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 vacuum lifters as, due to their construction, they are particularly vacuumtight 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 vacuum lifters can be combined with different rubber pads from the Bohle modular system.

▶ Veribor® Suction Holder Made of Aluminum

This universal Veribor® vacuum lifter is suitable for the most 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 vacuum lifter. Suitable for all materials with flat and airtight surfaces.

ⓘ Number of suction pads 1 · Suction pad ø 4-3/4 inch ~ ø 120 mm · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for coated wood · suitable for marble / stoneware

Art. No.	Description
BO 600.20	1/4 inch (6.5 mm ø
BO 600.20R	1/4 inch (6.5 mm ø) · stainless
BO 600.20S	1/4 inch (6.5 mm ø) · with sealing lip for materials with textured surfaces
BO 600.20V	1/4 inch (6.5 mm ø) · with integrated vacuum gauge
BO 600.2G1	M10 thread x 1
BO 600.2G2	M8 thread

Metric specifications are exact · inches are approximate

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

Universal suction holder for measuring devices, displays, etc. · suitable for all materials with flat, airtight surfaces like glass, plastic, metal, coated wood and marble

ⓘ Suction pad ø 4-3/4 inch ~ 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 smooth, flat, airtight surfaces like glass, plastic, metal, coated wood and marble · especially suitable for setting steps

ⓘ Suction pad ø 4-3/4 inch ~ ø 120 mm · Number of suction pads 1 · Height 2-3/4 inch ~ 70 mm · Stopper 1-9/16 inch ~ 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 panels. Especially suitable when installing glass partitions and and insulated glass windows. Suitable for all materials with flat, airtight surfaces like glass, plastic, metal, coated wood, marble, etc. The vacuum is generated by engaging the levers. By turning the threaded handle the material can be drawn together or spread apart to bridge precise gaps. 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

ⓘ Suction pad ø 4-3/4 inch ~ 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

▶ Veribor® Suction Holder Made of Aluminum

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

ⓘ Suction pad ø 3-9/16 inch ~ 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	1/4 inch (6.6 mm lever in zero position) · Bore hole
BO 600.91	1/4 inch (6.6 mm lever in zero position) · Bore hole
BO 600.92	with M8 thread
BO 600.94	with ball joint

Vacuum Cups and Lifters

▶ Suction Wall Hanger

For quickly hanging all kinds of objects such as displays, advertisements, etc. · suitable for glass, plastic, metal, coated wood, marble, etc. · other colors available for orders of 500 or more · vacuum is produced by turning the peg

ⓘ Suction pad ø 2-7/16 inch ~ 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.	Color
BO 672.10	black
BO 672.0	ivory

▶ Verifix® Suction Unit

Universal suction holder for quickly affixing all kinds of objects such as measuring devices, displays, etc. · suitable for all materials with smooth, flat, airtight surfaces such as glass, plastic, metal, coated wood, marble, etc. · also suitable for constructing special holding devices

ⓘ 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	2-3/16 inch (55 mm) · 2 x M5 · Verifix® Suction Unit
BO 633.13	2-3/16 inch (55 mm) · 2 x M5 · rubber pad with release nubs
BO 650.11	1-7/16 inch (36.5 mm) · 2 x 0.126 inch (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®

The vacuum lifter can be attached to the ruler with a stop bracket and is thus particularly suitable for carrying out long cuts. The stop bracket can also be adjusted precisely to the nearest millimeter. This vacuum lifter is especially suited to fixing displays or other holding and fixing products. The vacuum lifter can be optionally equipped with a height adjustable stopper (BO 670.1).

ⓘ Suction pad ø 2-3/16 inch ~ 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 · Diameter · Height
BO 670.0	Straight Edge Holder · standard
BO 670.1	Straight Edge Holder · adjustable
BO 670.0U	2-3/16 inch (55 mm) · 2-15/16 inch (75 mm)
BO 519.5	Spare suction pad

Metric specifications are exact · inches are approximate

02 | Handling without Vacuum Technology

Mechanical Lifting Devices

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

▶ Bohle Carry Clamp 350 lbs

As a new feature, the Bohle Carry Clamp is now equipped with a rubber coating with diamond-shape texture. This coating prevents 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.

ⓘ Opening range up to 1-9/16 inch ~ 40 mm · Load capacity per pair 352 lbs ~ 160 kg · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for coated wood · suitable for marble / stoneware

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

▶ Bohle Carry Clamp 176 lbs

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

ⓘ Opening range up to 1 inch ~ 25 mm · Load capacity per pair 176 lbs ~ 80 kg · suitable for Glass · suitable for Plastic · suitable for Metal · suitable for coated wood · suitable for marble / stoneware

Art. No.	Description
BO 5000101	Bohle Carry Clamp 176 lbs
BO 5000108	Spare rubber lining7-7/8 inch (· 3-1/8 inch (200 mm · 80 mm

Vacuum Cups and Lifters

Transport, Groves Storage and Handling devices

▶ 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.

ⓘ Now with air tires for uneven surfaces. · Length 11-13/16 inch ~ 30 cm · Width 11-13/16 inch ~ 30 cm · Height 11-13/16 inch ~ 30 cm

Art. No.	Description
BO 5000100	Bohle Panel Express

▶ Carrying Strap

Made from linen · leather chafe protection

ⓘ Load capacity 176 lbs ~ 80 kg

Art. No.	Length · Width
BO 5065600	64-15/16 inch (1650 mm) · 1-9/16 inch (40 mm)
BO 5065601	64-15/16 inch (1650 mm) · 3-1/8 inch (80 mm)

▶ Cross Carrying Strap

Made from linen · leather chafe protection

ⓘ Length 204-3/4 inch ~ 5200 mm · Width 3-1/8 inch ~ 80 mm · Load capacity 176 lbs ~ 80 kg

Art. No.	Description
BO 5065500	Cross Carrying Strap

Metric specifications are exact · inches are approximate

► Heavy duty Foldable A-Frame

Base arms fold up for ease of shipping and storage when frames are not in use.· 24,000 pound total capacity, 12,000 per side.· 60" long x 60" wide x 58" high with 6" spread on top of A.· Ships knocked down for lower freight cost.

ⓘ Length 60 inch ~ 152.4 cm · Width 60 inch ~ 152.4 cm · Height 57-7/8 inch ~ 147 cm · Weight 74.8 lbs ~ 34 kg

Art. No.	
BA 6800301	

► Groves Econo A-Frame

Heavy duty, 146 lb. Steel A-Frame Rack.· 24,000 lbs. capacity, 12,000 lbs. per side.· Ships knocked down for lower freight cost.· Bottom U-channel is 4" wide with 1" side ledges and is designed to hold wood 2 x 4's to support the load. Customer furnishes the wood. · Glass sheet width depending on customer requirements. Glass height not to exceed 12" above product height. Not to exceed max. weight capacity.

ⓘ Length 60 inch ~ 152.4 cm · Width 60 inch ~ 152.4 cm · Height 57-7/8 inch ~ 147 cm · Weight 145.2 lbs ~ 66 kg

Art. No.	
BA 6800303	

▶ Groves Single Sided Shop Cart

· Holds fabricated parts.· Removable top A-Frame for economical shipping.· 7"
(177.8 mm) ledge depth.· 10" (254 mm) diameter pneumatic tires.· 5" (127 mm)
diameter swivel locking casters.· 2,000 lb. (907 kg) capacity.· SSSC-4036 features
Neoprene rubber on uprights and base.· BB-40 features Neoprene rubber on
uprights and removable 6" (152.4 mm) wide wood floor.

Art. No.	Length · Width · Height · Weight
BA 6800306	40 inch (101.6 cm) · 24 inch (61 cm) · 44-7/8 inch (114 cm) · 129.8 lbs (59 kg)
BA 6800307	40 inch (101.6 cm) · 24 inch (61 cm) · 44-7/8 inch (114 cm) · 134.2 lbs (61 kg)

▶ Groves Glass Carts

Heavy duty glass carts · 4,000 lbs capacity · powder coated for long lasting
durability

Art. No.	Load Height · Load capacity · Length · Width
BA 6800310	48 inch (1219 mm) · 4000 lbs (1814 kg) · 54 inch (1371 mm) · 32 inch (818 mm) · 55 inch (1397 mm)
BA 6800311	60 inch (1524 mm) · 4000 lbs (1814 kg) · 78 inch (1981 mm) · 36 inch (914 mm) · 75 inch (1905 mm)
BA 6800312	72 inch (1828 mm) · 4000 lbs (1814 kg) · 84 inch (2133 mm) · 36 inch (914 mm) · 87 inch (2209 mm)

Metric specifications are exact · inches are approximate

▶ Groves Universal Storage System

Outside rails are constructed of extruded aluminum to provide a strong, butlightweight storage solution.· Easily store cutoffs, finished products, remnants, doors, windows, screens andshower doors in a convenient organized manner.· Outside rails are designed with slots to hold 2 x 4's.· Outside rails have 1" diameter round holes spaced every 3". A secondary platewith identical holes is located below the top of the rail, 1" from the bottom.· Rails are 6" wide x 3" high x 60" long and can butt together for desired length.· Posts are 1" diameter steel coated with a powder coated finish· Posts can be removed for easy loading and unloading of product. · SAFETY WARNING:Maximum weight allowed per opening is 500 lbs. when using 2 x 4's in slots.Maximum material height is 48"

Art. No.	
BA 6800415	

▶ Groves Glass Dolly

Maneuvers easily indoors and out.· 3" (76.2 mm) wide neoprene rubber is easy to clean, prevents slippage and lasts for years.· Pneumatic tires reduce breakage caused by vibration.· 12" (305 mm) width measured from outside of wheels adds stability.· 500 lb. (227 kg) capacity using 8" (203 mm) tires and 3" (76.2 mm) casters.

Art. No.	Description
BA 6800450	Groves Glass Dolly · 48" length · channel height 5.5" · 500 lbs capacity
BA 6800451	Groves Glass Dolly · 72" length · channel height 5.5" · 500 lbs capacity

Vacuum Cups and Lifters

► Groves Multi-purpose Glass Storage System

· Holds wood or glass pack cases, up to 4000 lbs. between posts.· Store loose lites, insulated glass, tempered glass plastic sheets, showerdoors and more.· Rails 11" wide x 5.5" high x 60" long and butt together for desired length.·Outside rails have 2" square holes spaced 4" apart on the top. A steelplate with identical 2" holes is welded and boxed inside the rails, 1" upfrom the bottom.· 2" square powder coated posts.· Optional Easy Slide, a low friction material, is mounted to the rails andposts for ease of sliding products in and out.· The center rail with easy slide must be used to support the glass whensliding individual pieces in and out of the racks. · SAFETY WARNING:Use .5" holes located on bottom flange for securing rails to the floor.

Art. No.	Length · Numbers of Openings · Load capacity
BA 6800504	5 inch (1.5 m) · 276 lbs (4 pcs) · 125 kg
BA 6800509	10 inch (3 m) · 560 lbs (9 pcs) · 254 kg
BA 6800519	20 inch (6 m) · 1192 lbs (19 pcs) · 540 kg
BA 6800549	50 inch (15 m) · 3184 lbs (49 pcs) · 1444 kg
BA 6800504E	5 inch (1.5 m) · 276 lbs (4 pcs) · 125 kg · with EasySlide
BA 6800509E	10 inch (3 m) · 560 lbs (9 pcs) · 254 kg · with EasySlide
BA 6800519E	20 inch (6 m) · 1192 lbs (19 pcs) · 540 kg · with EasySlide
BA 6800549E	50 inch (15 m) · 3184 lbs (49 pcs) · 1444 kg · with EasySlide

► Groves 6 Wheeled Fabrication Cart

Heavy duty rubber is mounted on the base and the uprights to help prevent slipping and damage to the material. Ratchet straps are provided to secure material to the cart. Ships knocked down for freight savings. Heavy duty powder coated finish.

Art. No.	Load Height · Load capacity
BA 6800308	42 inch (1066 mm) · 3200 lbs (1454 kg)
BA 6800309	60 inch (1524 mm) · 3200 lbs (1454 kg)

Bohle

Metric specifications are exact · inches are approximate

▶ Groves 6 Wheeled Fabrication Cart

4,000 Pound capacity. Designed for transporting and storing product in your shop or on the job. Fork lift hoops mounted on sides. Bottom pads and uprights have full length rubber strips. Quick release mounting pins change the Transport Rack from mobile to stationary in less than a minute with the optional Caster Kit (BA 6800410). Hot dip galvanized finish

Art. No.	Width · Length · Load Height · Load capacity · Description
BA 6800350	44 inch (1117 mm) · 82 inch (2082 mm) · 48 inch (1219 mm) · 4000 lbs (1818 kg)
BA 6800610	44 inch (117 mm) · 96 inch (2438 mm) · 60 inch (1524 mm) · 4000 lbs (1818 kg)
BA 6800410	For Transport Rack two 8" rigid and two 8" swivel/brake casters

▶ Groves Heavy Duty Shop Cart

Two rigid and two swivel with brake, rated at 1,000 lbs. each. Ratchet straps are included to secure load. Pull handle mounted on one end for maneuverability. Heavy duty powder coated finish for long lasting durability.

Art. No.	Length · Width · Load Height · Casters
BA 6800425	54 inch (1371 mm) · 38 inch (965 mm) · 48 inch (1219 mm) · 5 inch (127 mm)
BA 6800426	84 inch (2133 mm) · 40 inch (1016 mm) · 48 inch (1219 mm) · 8 inch (203 mm)
BA 6800427	84 inch (2133 mm) · 40 inch (1016 mm) · 72 inch (1828 mm) · 8 inch (203 mm)

▶ Groves Glass Slings

Art. No.	Length · Max. glass height · Description
BA 6800473	78 inch (1981 mm) · 36 - 54 inch (914 - 1371 mm)
BA 6800474	108 inch (2743 mm) · 60 - 84 inch (1524 - 2133 mm)
BA 6800475	124 inch (3149 mm) · 72 - 100 inch (1828 - 2540 mm)
BA 6800480	Shoe for glass sling · Pair · Made of metal with plastic lining · Specify size on order: 4.75", 6.75", 8.5", 10.25", 13.5"

Vacuum Cups and Lifters

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.
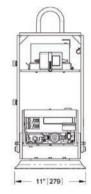
▶ **Wood's Powr-Grip® Vacuum Lifter MT1HV11DC Load capacity 150 lbs (70 kg)**   XXL
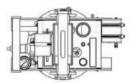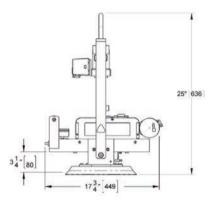
The Powr-Grip® lifting system MT1HV11DC is suitable for use with cranes or other lifting equipment. The load is held by vacuum. The lifting system can be tilted manually by 90°.

Characteristics

- 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	150 lbs (70 kg)
Number of suction pads	1
Tilts	90°
Art. No.	BO W7A1

Metric specifications are exact · inches are approximate

The Powr-Grip® lifting system MT2HV11DCO is suitable for use with cranes or other lifting equipment. The load is held by vacuum. The lifting system canbe tilted manually by 90°.

Characteristics

- 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

Vacuum Cups and Lifters

Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	300 lbs (135 kg)
Number of suction pads	2
Tilts	90°
Art. No.	BO 6009832

The Powr-Grip® lifting system MRTA811LDC is suitable for use with cranes or other hoisting equipment. The lifting system can be manually rotated by 360° and tilted by 90°. The loading capacity amounts to 1400 lbs (635 kg) and the lifting system fully meets the requirements laid down in DIN EN 13155.

Characteristics

- Adapts to diverse transport and installation requirements

- Especially wide range of configurations (8 configurations)

- For use at construction sites or workshops

- Independent of power supply

- High quality – proven over many years

- High load capacity of 1400 lbs (635 kg) thanks to high performance vacuum system. Dual circuit vacuum system ensures reliable safety.

Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	1400 lbs (635 kg)
Number of suction pads	8
Tilts	90°
Rotates	360°
Art. No.	BO 6009840

Metric specifications are exact · inches are approximate

▶ Wood's Powr-Grip® Vacuum Lifter MRT411LDC2 Load capacity 700 lbs (320 kg)

The Powr-Grip® lifting system MRT411LDC2 is suitable for use with cranes or other hoisting equipment. The lifting system can be manually rotated by 360° and tilted by 90°. The loading capacity amounts to 700 lbs (320 kg) and the lifting system fully meets the requirements laid down in DIN EN 13155.

Characteristics

- Adapts to diverse transport and installation requirements

- Especially wide range of configurations (8 configurations)

- For use at construction sites or workshops

- Independent of power supply

- High quality – proven over many years

- High load capacity of 700lbs (320 kg) thanks to high performance vacuum system. Dual circuit vacuumsystem ensures reliable safety.

Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	700 lbs (320 kg)
Number of suction pads	4
Tilts	90°
Rotates	360°
Art. No.	BO 6009835

This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions and low profile it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 1100 lbs (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.

Characteristics

- 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	1100 lbs (500 kg)
Number of suction pads	6
Tilts	90°
Rotates	180°
Art. No.	BO 6009860
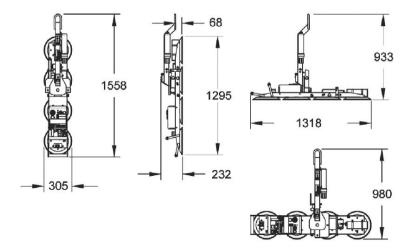
Metric specifications are exact · inches are approximate

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 700 lbs (320 kg). This lifter provides 180° rotation and 90° tilt. Battery powered, it can therefore be used at construction sites. Other versions, e.g. for modular applications, are available on request. A dual circuit vacuum system is available as an option for this lifter.

Characteristics

- 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

- Independent of power supply

- If desired, also available in plastic box for transport and storage

Specifications	Wood's Powr-Grip® Vacuum Lifters
Load capacity	700 lbs (320 kg)
Number of suction pads	4
Tilts	90°
Rotates	180°
Art. No.	BO 6009819

Vacuum Cups and Lifters

T +1 877 678 2021 (toll free) · F +1 877 678 2022 (toll free) · info@bohle-america.com · www.bohle-america.com

Bohle 157

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.

▼ Characteristics

For handling of various sheet materials · Easy and secure handling · Up to 2200 lbs (1000 kg) load capacity

Art. No.	Load capacity · Material thickness · Max. dimensions for load
BO GTP500	1100 lbs (500 kg) · 1/8 - 3/4 inch (3 - 19 mm) · 126-3/8 x 100-3/8 inch (3210 x 2550 mm)
BO GTP1000	2200 lbs (1000 kg) · 3/16 - 15/16 inch (4 - 24 mm) · 236-1/4 x 126-3/8 inch (6000 x 3210 mm)
BO GTP1030	2200 lbs (1000 kg) · 3/8 - 1-3/16 inch (10 - 30 mm) · 236-1/4 x 126-3/8 inch (6000 x 3210 mm)
BO GTP1050	2200 lbs (1000 kg) · 1-3/16 - 1-15/16 inch (30 - 50 mm) · 236-1/4 x 126-3/8 inch (6000 x 3210 mm)

Metric specifications are exact · inches are approximate

Transport and Mounting Aids

The tendency towards increasingly larger glass constructions in architecture and the growing use 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 B1 Bohle has developed an innovative handling and mounting aid which enables transporting objects of up 400 lbs (180 kg) such as glass panes, window elements or metal and stone sheets easily and safely - by only one person.

▶ Liftmaster B1 Lifting System with Dual Circuit Vacuum Lifter ☆

Characteristics

- Easy and secure handling of structural components of up to 400 lbs (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 most trucks and SUVs

- Very compact and maneuverable

- Fits through standard doors

- Handle is height adjustable

- Includes 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: 375 lb (170 kg)

Specifications	Liftmaster B1
Length	47-1/4" (1200mm)
Width	31-1/2" (800mm) (with extended axles for widening the gauge 1.1 m)
Height	76-3/4" (1950mm)
Art. No.	BO 88.026, Arm for rotating and tilting for lifting device B18DM4
Art. No.	BO 88.01

▶ Manual Lifting Device ☆

The 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.

ⓘ Load capacity max. 180 kg · Weight approx. 20 kg · Dimensions 35-13/16 x 20-1/16 x 3-15/16 inch ~ 910 mm x 510 mm x 100 mm · Turns 360° · Tiltable 90°

Art. No.	
BO B18DM4	

Glazing

Glazing

Glazing - this term covers a wide spectrum of activities related to working with glass, windows and frames. 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 analyzing 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 offered by Bohle provide the right tool for the right applications.

▶ | Bohle GlassBuddy®

The device or instrument used for accurate analysis of flat glass.. No matter 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 and films. GlassBuddy® from Bohle. One device that does it all. · Included in delivery: GlassBuddy® · protective case · operating instructions · programme for analysis at your PC · USB cable A/B

Specifications	Bohle GlassBuddy® Standard	Bohle GlassBuddy® Plus
Description	Bohle GlassBuddy® Standard	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 interlayer	yes	yes
Identification of position and thickness of the interlayer	yes	yes
Graphic display of measuring results	yes	yes
PC software with graphical display	yes	yes
Software update online	yes	yes
Several languages	yes	yes
Measuring range	max. 50 1-15/16 mm inch	max. 100 3-15/16 mm inch
Art. No.	BO 5164760	BO 5164755

Glazing

► Software upgrade from GlassBuddy® Standard to GlassBuddy® Plus

Please send in your GlassBuddy® for a software upgrade.

Art. No.	
BO 5164761	Software upgrade from GlassBuddy® Standard to GlassBuddy® Plus

► Glass Thickness Gauge

Measures glass thicknesses from 1/16" - 1" (2 to 25 mm) as well as the space between panes 15/16" (up to 24 mm) of double glazing · also suitable for installed windows · works on the basis of reflection in the glass pane

ⓘ Material: Plastic

Art. No.	Description
BO 5164900	Glass Thickness Gauge

► 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 4 3/4" (120 mm). The device also features an integrated glass thickness gauge which offers the possibility of determining the thickness of single glass panes from 1/16" - 1" (2 – 25 mm).

ⓘ Length 12 3/8 inch (315 mm) · Width 10 5/8 inch (270 mm)

Art. No.
BO 5164801

Metric specifications are exact · inches are approximate

▶ Indicator for thermally tempered glass Merlin TGI

In leather pouch with battery charger · equipped with rechargeable battery · in no time it shows you whether the glass is tempered or not · also works with double-glazed units

ⓘ Material: Plastic · Warranty 12 months

Art. No.	Description
BO 5164602	Merlin TGI
BO 5164601L	Battery charger for Merlin TGI

▶ Bohle TinCheck®

The innovative measuring device TinCheck® identifies the tin bath side of float glass quickly and easily. By using the latest technologies, Bohle has succeeded in eliminating the significant disadvantages of conventional measuring devices such as light sensitivity or short service life of lamps. The application of electronic components from the new LED generation enables our TinCheck® to indicate the correct result in the graphic 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.

▼ Characteristics

· Innovative tin side tester
· The latest LED technology
· Only one measurement
  required
· Three display options
· High-durability lamp
· Low energy consumption

Art. No.	Description
BO 5164615	TinCheck®

▶ Glass Coating Detector

For detecting and determining the location of low-E coatings on single panes or double glazed units 3/16" - 3/8" (4-10 mm glass thickness of individual panes). When checking double glazed units, measurements must be taken from both sides in order to determine where the coating is.

Art. No.	
BO 6164805	Glass Coating Detector

Glazing

▶ | Tin Side Detector
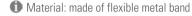
For certain applications in glass processing it is necessary to know which side of the glass has been in contact with the tin during float glass production · this is easily achieved with the Bohle tin side detector · especially suitable for use with glass fusing · operated by 4 standard „AA" batteries · includes batteries and instruction manual

Art. No.	Description
BO 5164612	Detector
BO 5164611	Spare tube 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 holders BO 670.5 (please order separately) · Recommended: three suction holders for 2- 11-7/16" (90 cm), six suction holders for 5- 10-7/8" (180 cm)

ⓘ Material: made of flexible metal band

Art. No.	Length · Width
BO 5140509	35-7/16 inch (90 cm) · 1-9/16 inch (40 mm)
BO 5140518	70-7/8 inch (180 cm) · 1-9/16 inch (40 mm)

▶ | Suction Holder

For shape template BO 51 405 09 / BO 51 405 18 · for fixation onto glass surface

Art. No.	Description
BO 670.5	Suction holder
BO 519.5	Spare suction pad

Metric specifications are exact · inches are approximate

Measuring Devices for Job Sites

▶ Distance Measuring Laser

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 push of a button.

ⓘ Measuring range 0.05 - 50 · Accuracy of measurement 1.5 mm · Rain- and dust guard IP54 · Batteries 2xAA · Working temperature -10°C - +50°C · Dimensions 4.488 x 1.85 x 1.26 inch ~ 114 x 47 x 32 mm · Weight 0.28 lbs ~ 130 g · Warranty 24 months

Included in delivery:
1 x Storage Pack
1 x Hand strap
2 x Batteries
1 x Quick start set

▼ Characteristics

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 to 50 m. · Determination of room diagonals with the minimum/maximum measurement. · Multifunctional tail piece · Delayed triggering of measurements with a timer

Glazing

Art. No.	Description
BO 5164070	Distance Measuring Laser

▶ Line Laser
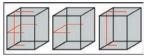
Automatic levelling with needle-sharp laser lines · The compact and building site approved line laer convinces with absolut clean laser line rendering. The device is easily and intuitively to use and has many useful functions.The laer is the perfect helper for interior tasks like assemblies of building parts, settng up drywall installations or floor and wall surface tasks.

ⓘ Weight 0.88 lbs ~ 400 g · Working radius without receiver 32'-9 11/16 inch ~ 10 · Working radius with receiver 164'-0 1/2 inch ~ 50 · 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 32 - 133°F ~ 0°C - 45°C · Tripod socket 5/8" & 1/4" · Rain- and dust guard IP54 · Warranty 24 months · Wideness of the laser line at 26'-2 15/16" (8 m) : 0.12 inch ~ 3 mm

Included in delivery:
1 x Bag
1 x Measurement certificate
1 x Target plate
3 x Batteries
1 x Multifunctional adaptor
1 x Quick start set
1 x Mini tripod / adapter

▼ Characteristics

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 leveling 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
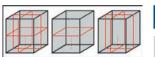
Metric specifications are exact · inches are approximate

▶ Crossline Laser

The line laser 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 works, floor works and ceiling woks. · The line laser 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 works, floor works and ceiling woks.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.

ⓘ Working radius without receiver 32'-9 11/16 inch ~ 10 · Working radius with receiver 164'-0 1/2 inch ~ 50 · 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 AA · Working temperature 14 - 104°F ~ -10°C - +40°C · Tripod socket 5/8" · Weight 3.7 lbs ~ 1700 g · Warranty 24 months ·

Included in delivery:
1 x Case
3 x Batteries
1 x Measurement certificate
1 x Protective glasses
1 x Quick start set

▼ Characteristics

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 when the self-levelling range is left to avoid measurement errors · Plumbing up and down and positioning of the deivce 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 5164051	Protective glasses
BO 5164052	Target plate

▶ Elevator Tripod

Includes a fast and precise height adjustment thanks to its crank lift · The tripod grounts 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.

ⓘ For BO 5164040 + BO 5164050 · Height max. 112-5/8 inch ~ 286 cm · Thread 5/8" · Weight 7.7 lbs ~ 3.5 kg · Warranty 24 months

Art. No.	Description
BO 5164041	Elevator Tripod

Glazing

▶ Digital Spirit Level

The digital spirit level guarantees precise measuring values in degrees and millimeters. The reinforced aluminum 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 minimizes reading errors. · Perfect for adjusting kitchens and window assembling because of a compact construction

ⓘ Dimensions 15.75x0.83x1.97 inch ~ 600x21x50 mm · Measuring range 4x90° · Accuracy of measurement 0.2° · Reading 0.1° · Batteries 2 x AAA · Working temperature 14 - 122°F ~ -10°C - +50°C · Bearing temperature -4 - 158°F ~ -20° - +70°C · Warranty 24 months

Included in delivery:
1 x Digital Spirit Level
2 x Batteries
1 x Bag
1 x Quick start set

▼ Characteristics

Horizontal and vertical level · Enhanced aluminum 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 · Made in Germany
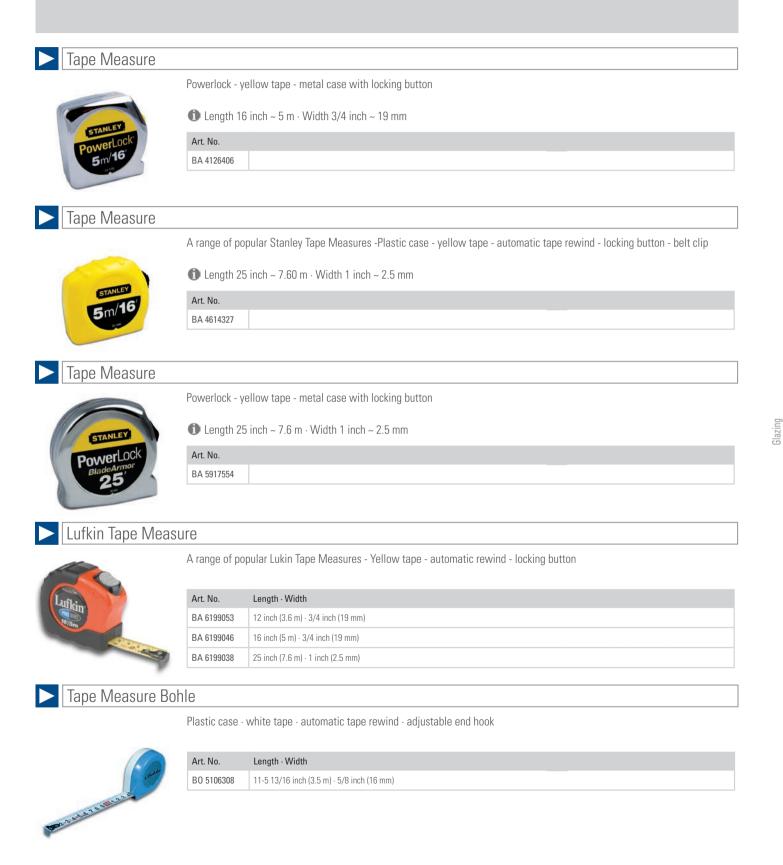
ⓘ Length 6'-6 3/4 inch ~ 2 m · Version millimetric scale

Art. No.	
BO 5106002	

Metric specifications are exact · inches are approximate

Tape Measures

All tape measures meet the standards according to class II of the European Measuring Instruments Directive (2004/22/EC).

▶ **Tape Measure**

Powerlock - yellow tape - metal case with locking button

ⓘ Length 16 inch ~ 5 m · Width 3/4 inch ~ 19 mm

Art. No.	
BA 4126406	

▶ **Tape Measure**

A range of popular Stanley Tape Measures -Plastic case - yellow tape - automatic tape rewind - locking button - belt clip

ⓘ Length 25 inch ~ 7.60 m · Width 1 inch ~ 2.5 mm

Art. No.	
BA 4614327	

▶ **Tape Measure**

Powerlock - yellow tape - metal case with locking button

ⓘ Length 25 inch ~ 7.6 m · Width 1 inch ~ 2.5 mm

Art. No.	
BA 5917554	

▶ **Lufkin Tape Measure**

A range of popular Lukin Tape Measures - Yellow tape - automatic rewind - locking button

Art. No.	Length · Width
BA 6199053	12 inch (3.6 m) · 3/4 inch (19 mm)
BA 6199046	16 inch (5 m) · 3/4 inch (19 mm)
BA 6199038	25 inch (7.6 m) · 1 inch (2.5 mm)

▶ **Tape Measure Bohle**

Plastic case · white tape · automatic tape rewind · adjustable end hook

Art. No.	Length · Width
BO 5106308	11-5 13/16 inch (3.5 m) · 5/8 inch (16 mm)

Glazing

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 shape of the surface 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 Glazier Trade „Blocking of Glazing Units".

ⓘ Load capacity per block max. 661 lbs ~ 300 kg · Packaging unit 1000 pcs

Art. No.	Length · Width · Thickness · Color
BO 5120001	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/16 inch (1 mm) · white
BO 5120002	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/16 inch (2 mm) · red
BO 5120003	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/8 inch (3 mm) · green
BO 5120004	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 3/16 inch (4 mm) · yellow
BO 5120005	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 3/16 inch (5 mm) · blue
BO 5120006	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/4 inch (6 mm) · black
BO 5120061	3-15/16 inch (100 mm) · 7/8 inch (22 mm) · 1/16 inch (1 mm) · white
BO 5120011	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/16 inch (1 mm) · white
BO 5120012	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/16 inch (2 mm) · red
BO 5120013	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/8 inch (3 mm) · green
BO 5120014	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 3/16 inch (4 mm) · yellow
BO 5120015	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 3/16 inch (5 mm) · blue
BO 5120016	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/4 inch (6 mm) · black
BO 5120024	3-15/16 inch (100 mm) · 1 inch (26 mm) · 3/16 inch (4 mm) · yellow
BO 5120025	3-15/16 inch (100 mm) · 1 inch (26 mm) · 3/16 inch (5 mm) · blue
BO 5120072	3-15/16 inch (100 mm) · 1-1/8 inch (28 mm) · 1/16 inch (2 mm) · red
BO 5120073	3-15/16 inch (100 mm) · 1-1/8 inch (28 mm) · 1/8 inch (3 mm) · green
BO 5120074	3-15/16 inch (100 mm) · 1-1/8 inch (28 mm) · 3/16 inch (4 mm) · yellow
BO 5120075	3-15/16 inch (100 mm) · 1-1/8 inch (28 mm) · 3/16 inch (5 mm) · blue
BO 5120032	3-15/16 inch (100 mm) · 1-3/16 inch (30 mm) · 1/16 inch (2 mm) · red
BO 5120033	3-15/16 inch (100 mm) · 1-3/16 inch (30 mm) · 1/8 inch (3 mm) · green
BO 5120034	3-15/16 inch (100 mm) · 1-3/16 inch (30 mm) · 3/16 inch (4 mm) · yellow
BO 5120035	3-15/16 inch (100 mm) · 1-3/16 inch (30 mm) · 3/16 inch (5 mm) · blue
BO 5120036	3-15/16 inch (100 mm) · 1-3/16 inch (30 mm) · 1/4 inch (6 mm) · black
BO 5120041	3-15/16 inch (100 mm) · 1-5/16 inch (34 mm) · 1/16 inch (1 mm) · white

Bohle

Metric specifications are exact · inches are approximate

BO 5120042	3-15/16 inch (100 mm) · 1-5/16 inch (34 mm) · 1/16 inch (2 mm) · red
BO 5120043	3-15/16 inch (100 mm) · 1-5/16 inch (34 mm) · 1/8 inch (3 mm) · green
BO 5120044	3-15/16 inch (100 mm) · 1-5/16 inch (34 mm) · 3/16 inch (4 mm) · yellow
BO 5120045	3-15/16 inch (100 mm) · 1-5/16 inch (34 mm) · 3/16 inch (5 mm) · blue
BO 5120046	3-15/16 inch (100 mm) · 1-5/16 inch (34 mm) · 1/4 inch (6 mm) · black
BO 5120052	3-15/16 inch (100 mm) · 1-9/16 inch (40 mm) · 1/16 inch (2 mm) · red)
BO 5120053	3-15/16 inch (100 mm) · 1-9/16 inch (40 mm) · 1/8 inch (3 mm) · green)

► Plastic Blocks

Made of tested and sealant-resistant material · the special shape of the surface 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 Glazier Trade "Blocking of Glazing Units".

ℹ Load capacity per block max. 661 lbs ~ 300 kg · Packaging unit 100 pcs

Art. No.	Length · Width · Thickness · Color
BO 5122001	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/16 inch (1 mm) · white
BO 5122002	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/16 inch (2 mm) · red
BO 5122003	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/8 inch (3 mm) · green
BO 5122004	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 3/16 inch (4 mm) · yellow
BO 5122005	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 3/16 inch (5 mm) · blue
BO 5122006	3-15/16 inch (100 mm) · 13/16 inch (20 mm) · 1/4 inch (6 mm) · black
BO 5122301	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/16 inch (1 mm) · white
BO 5122302	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/16 inch (2 mm) · red
BO 5122303	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 1/8 inch (3 mm) · green
BO 5122304	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 3/16 inch (4 mm) · yellow
BO 5122305	3-15/16 inch (100 mm) · 15/16 inch (24 mm) · 3/16 inch (5 mm) · blue
BO 5122602	3-15/16 inch (100 mm) · 1 inch (26 mm) · 1/16 inch (2 mm) · red
BO 5122605	3-15/16 inch (100 mm) · 1 inch (26 mm) · 3/16 inch (5 mm) · blue
BO 5124002	3-15/16 inch (100 mm) · 1-9/16 inch (40 mm) · 1/16 inch (2 mm) · red
BO 5124003	3-15/16 inch (100 mm) · 1-9/16 inch (40 mm) · 1/8 inch (3 mm) · green
BO 5124004	3-15/16 inch (100 mm) · 1-9/16 inch (40 mm) · 3/16 inch (4 mm) · yellow
BO 5124005	3-15/16 inch (100 mm) · 1-9/16 inch (40 mm) · 3/16 inch (5 mm) · blue

Glazing

▶ Transparent Setting and Distance Strips

Transparent setting blocks 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
BO 5121001	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/16 inch (1 mm) · 100 pcs
BO 5121002	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/16 inch (2 mm) · 100 pcs
BO 5121003	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/8 inch (3 mm) · 100 pcs
BO 5121004	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 3/16 inch (4 mm) · 100 pcs
BO 5121005	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 3/16 inch (5 mm) · 100 pcs
BO 5121006	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/4 inch (6 mm) · 100 pcs
BO 5121008	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 5/16 inch (8 mm) · 100 pcs
BO 5121010	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 3/8 inch (10 mm) · 100 pcs

▶ Set for Construction Sites: Transparent Setting and Distance Strips

ⓘ Length 1-15/16 inch ~ 50 mm · Width 1/4 inch ~ 6 mm · Size 1/16 - 1/4, 5/16, 3/8 inch ~ 1, 2, 3, 4, 5, 6, 8, 10 mm · Packaging Set 800 pcs

Art. No.	
BO 5121000	

▶ Small Parts Magazine with 21 Different Storage Spaces ☆

ⓘ Outer dimensions 12-5/8 x 10-5/8 x 1-15/16 inch ~ 320 x 270 x 50 mm · 2-3/16 x 1-3/4 x 1-15/16 inch ~ 55 x 45 x 50 mm · adjustable 21 pcs

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

Art. No.	Width · Thickness · Length · Packaging unit · Color
BO 5006203	1/4 inch (6 mm) · 1/16 inch (2 mm) · 82-0-1/4 inch (25 m) · 250 · white
BO 5006208	1/4 inch (6 mm) · 1/16 inch (2 mm) · 82-0 1/4 inch (25 m) · 250 · black
BO 5009203	3/8 inch (9 mm) · 1/16 inch (2 mm) · 82-0 1/4 inch (25 m) · 250 · white
BO 5009208	3/8 inch (9 mm) · 1/16 inch (2 mm) · 82-0 1/4 inch (25 m) · 250 · black
BO 5009303	3/8 inch (9 mm) · 1/8 inch (3 mm) · 82-0 1/4 inch (25 m) · 250 · white
BO 5009308	3/8 inch (9 mm) · 1/8 inch (3 mm) · 82-0 1/4 inch (25 m) · 250 · black
BO 5009403	3/8 inch (9 mm) · 3/16 inch (4 mm) · 82-0 1/4 inch (25 m) · 250 · white
BO 5009408	3/8 inch (9 mm) · 3/16 inch (4 mm) · 82-0 1/4 inch (25 m) · 250 · black
BO 5009508	3/8 inch (9 mm) · 3/16 inch (5 mm) · 32'-9 11/16 inch (10 m) · 100 · black
BO 5012208	1/2 inch (12 mm) · 1/16 inch (2 mm) · 82-0 1/4 inch (25 m) · 250 · black
BO 5012308	1/2 inch (12 mm) · 1/8 inch (3 mm) · 82-0 1/4 inch (25 m) · 250 · black
BO 5012408	1/2 inch (12 mm) · 3/16 inch (4 mm) · 82-0 1/4 inch (25 m) · 250 · black

Metric specifications are exact · inches are approximate

▶ Econ-O-Shim® StackShim

Great value · Adjustable Heights· Adjustable Lengths · 16 shims are heat sealed into 1" stacks ·Excellent compressive strength · Bohle Stack Shims are unaffected by micro-organisms and alkalis, ground chemicals and liquids · will not rust, rot, stain or leach

ⓘ Length 1-15/16 inch ~ 49 mm · Width 3-1/2 inch ~ 90 mm · Thickness 1/16 inch ~ 1.5 mm · Packaging 1000 pcs

Art. No.	
BA 5162005	

▶ Plastic Horse Shoe Shims

Color coded thicknesses · Available in a wide variety of sizes · Excellent compressive strength · Save time,money and labor · Talk to Bohle for your leveling/alignment requirements · Bohle Horse ShoeShims are unaffected by microorganisms and alkalis, ground chemicals and liquids · Bohle HorseShoe Shims will not rust, rot, stain or leach

ⓘ Length 3-1/2 inch ~ 89 mm · Width 1-1/2 inch ~ 38 mm

Art. No.	Thickness · Color · Packaging
BA 5162010	1/16 inch (1.5 mm) · blue · 1000 pcs
BA 5162011	1/8 inch (3 mm) · red · 1000 pcs
BA 5162012	1/4 inch (6 mm) · black · 500 pcs

Cork Protector Pads

▶ Cork Protective Pads, Static Cling

Total thickness includes foam

Art. No.	Packaging
BA 5107510	roll · 3/4" x 3/4" x 3/16" · 16,666 pcs per roll
BA 5107520	rolls · 1" x 1" x 3/16" · 10,0000 pcs per roll

▶ Cork Protector Pads Premium self-adhesive

Punched on rolls with paper cover

ⓘ Packaging unit 10,000 pcs per roll

Art. No.	Thickness · Length · Width
BO 5105170	1/16 inch (2 mm) · 11/16 inch (18 mm) · 11/16 inch (18 mm)
BO 5105180	1/8 inch (3 mm) · 11/16 inch (18 mm) · 11/16 inch (18 mm)
BO 5105190	3/16 inch (4 mm) · 11/16 inch (18 mm) · 11/16 inch (18 mm)

▶ Glazing Tape

PVC Foam tapes provide excellent adhesion to glass, aluminum, wood, vinyl and other substrates. For general glazing applications.

Medium Density PVC Foam 1 Sided Coated

Art. No.	Width · Thickness · Length
BA 93 618 14	1/8" x 1/4" x 75'
BA 93 618 38	1/8" x 3/8" x 75'
BA 93 618 12	1/8" x 1/2" x 75'
BA 93 618 34	1/8" x 3/4" x 75'
BA 93 618 10	1/8" x 1" x 75'
BA 93 614 12	1/4" x 1/2" x 35'
BA 93 614 34	1/4" x 3/4" x 35'
BA 93 614 10	1/4" x 1" x 35'

Medium Density PVC Foam 2 Side Coated

Art. No.	Width · Thickness · Length
BA 96 616 14	1/16" x 1/4" x 150'
BA 96 616 38	1/16" x 3/8" x 150'
BA 96 616 12	1/16" x 1/2" x 150'
BA 96 616 34	1/16" x 3/4" x 150'
BA 96 618 38	1/8" x 3/8" x 75'
BA 96 618 12	1/8" x 1/2" x 75'
BA 96 618 34	1/8" x 3/4" x 75'
BA 96 618 10	1/8" x 1" x 75'
BA 96 614 38	1/4" x 3/8" x 35'
BA 96 614 34	1/4" x 3/4" x 35'

▶ Clear UHB Tape

This Ultra High Bond tape has a water clear high performance acrylic adhesive with distinctive red plastic release liners · aggressive acrylic adhesive with excellent resistance to UV, heat, humidity and chemicals · nearly invisible mounting for glass and polycarbonates · permanent, weatherproof bond for muntin bar and grid attachment · Sold per roll

Art. No.	Roll Size
BA VHBTC24	.020" x 1/4" x 216'
BA VHBTC36	.030" x 3/8" x 216'
BA VHBTC04	.040" x 1/4" x 108'
BA VHBTC08	.040" x 1/2" x 108'

Metric specifications are exact · inches are approximate

Corner Protectors

▶ Corner Protectors

Art. No.	Glass thickness · Bracket length · Color · Packaging
BO 5105060	1/8-3/16 inch (3 - 4 mm) · 1-9/16 inch (40 mm) · clear · 100 pcs
BO 5105061	3/16-1/4 inch (5 - 6 mm) · 1-7/8 inch (47 mm) · clear · 100 pcs
BO 5105062	5/16-3/8 inch (8 - 10 mm) · 2-5/16 inch (58 mm) · clear · 100 pcs
BO 5105070	1/8-3/16 inch (3 - 4 mm) · 1-9/16 inch (40 mm) · clear · 4000 pcs
BO 5105071	3/16-1/4 inch (5 - 6 mm) · 1-7/8 inch (47 mm) · clear· 2500 pcs
BO 5105072	5/16-3/8 inch (8 - 10 mm) · 2-5/16 inch (58 mm) · clear · 1250 pcs
BO 5105073	7/16-1/2 inch (11- 12 mm) · 1-15/16 inch (50 mm) · black · 1000 pcs

Framing

▶ Folding Stick

Made of bone · for remodelling and improved application of frame wax

ⓘ Width 6-5/16 inch ~ 16 cm

Art. No.	
BO 3200200	

Please note:
You will find more framing products on our website at www.bohle-america.com.

Glazing

▶ 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

ⓘ Width 13/16 inch ~ 20 mm · Roll length 168- 0-1/2 ft ~ 50 m

Art. No.	
BO 3702501	

Please note:
You will find more framing products on our website at www.bohle-america.com.

▶ Filmoplast P 90 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

ⓘ Width 13/16 inch ~ 20 mm · Roll length 168- 0-1/2 ft ~ 50 m

Art. No.	
BO 3702510	

Please note:
You will find more framing products on our website at www.bohle-america.com.

▶ Framemaster Hand Tacker

Art. No.	Description
BO 3701100	Framemaster
BO 3701116	Glazier's points 5/8" (16mm) 3000 to a box
BO 3701110	Glazier's points 3/8" (10mm) 5000 to a box

Please note:
You will find more framing products on our website at www.bohle-america.com.

Bohle

Metric specifications are exact · inches are approximate

► Spray Adhesive 77

Specially for bonding glazier's felt to cutting tables · universal use, sticks immediately, doesn't 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	16.9 fl. oz. (500 ml)

03 | Hand Tools

Block Levers / Glazing Shovels

For everyday use. For setting glazed units both easily and expertly.

▶ Glazing-Shovel Wooden Handle

Made of wood without knots · Made in Germany

ⓘ Width 2-3/4 inch ~ 70 mm · Length 11 inch ~ 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

ⓘ Width 2-15/16 inch ~ 74 mm · Length 11 inch ~ 280 mm

Art. No.	
BO 5165301	Glazing-Shovel

▶ Glazing-Shovel Premium Plastic with Wooden Handle

Made of plastic · with wooden handle

ⓘ Width 2-5/8 inch ~ 66 mm · Length 10-13/16 inch ~ 275 mm

Art. No.	
BO 5165400	Glazing-Shovel

▶ Glazing-Shovel Premium Plastic with Wooden Handle XL

Made of grey plastic · with wooden handle

ⓘ Width 2-11/16 inch ~ 68 mm · Length 11-7/16 inch ~ 290 mm

Art. No.	
BO 5165401	Glazing-Shovel

Metric specifications are exact · inches are approximate

Putty Knives

Bohle's range of putty knives includes all kinds of blade shapes and thus can meet every possible requirement., in addition we have a range of quality glazing shovels to meet your personal requirements. Made in Germany.

▶ Lead Knife Premium "DON CARLOS"

Forged blade · Made in Germany

Art. No.	Blade length
BO 5102400	3-15/16 inch (100 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	4.35 inch (110 mm) · 1.1 inch (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	4-1/8 inch (105 mm) · 1-1/16 inch (27 mm)

▶ Putty Knife Economy

Spear point · highly polished blade · brown polished wooden handle · Made in Germany

Art. No.	Blade length · Width
BO 5162200	3-9/16 inch (90 mm) · 1 inch (26 mm)

Glazing

▶ 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	3-3/4 inch (95 mm) · 11/16 inch (18 mm)
BO 5162628	3-3/4 inch (95 mm) · 1-1/8 inch (28 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	4-5/16 inch (110 mm) · 1 inch (26 mm)

▶ Glazier's Knife Premium

High-quality glazier knife · stainless steel · with plastic handle · long, heavy duty · Made in USA

Art. No.	Blade length · Width
BO 5165501	3-3/8 inch (85 mm) · 2-3/8 inch (60 mm)

Hacking Knives

A safe and reliable tool for removing stubborn putty from windows. Please also note our putty chisel BO 53 012 00 in chapter „Grinding, Drilling, Sawing".

▶ Hacking Knife Economy with plastic handle

With plastic handle · Made in Germany

Art. No.	Blade length · Width
BO 5164000	3-3/4 inch (95 mm) · 1-3/16 inch (30 mm)

Metric specifications are exact · inches are approximate

▶ Hacking Knife Economy with leather-covered handle

Leather-covered handle · Made in Germany

Art. No.	Blade length · Width · Thickness
BO 5164100	3-15/16 inch (100 mm) · 1-3/16 inch (30 mm) · 3/16 inch (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	3-15/16 inch (100 mm)

▶ Lead Knife Premium

High-quality lead knife · Black wooden handle with lead inlay · Made in Germany

Art. No.	Blade length
BO 5102200	3-15/16 inch (100 mm)

▶ Lead Knife Premium "DON CARLOS"

Forged blade · Made in Germany

Art. No.	Blade length · Description
BO 5102403	3-15/16 inch (100 mm) · black wooden handle with lead inlay

Glazing

► **Lead Knife Crescent shape Economy**

Crescent shape · light-coloured wooden handle · Made in Germany

Art. No.	Blade length
BO 5102500	3-15/16 inch (100 mm)

► **Lead Knife Crescent shape Premium "DON CARLOS"**

Crescent shape · light-coloured wooden handle · Made in Germany

Art. No.	Blade length
BO 5102501	3-15/16 inch (100 mm)

► **Lead Knife Sickle-shaped**

Sickle-shaped blade · wooden handle with metal inlay

Art. No.	Blade length
TG 2507	2-3/4 (70 mm)

Knives and Spare Blades

► **Snap-Off Knife Premium Olfa**

Original Olfa quality knife · stainless steel blade guide · supplied with 3 Olfa blades

ⓘ Width 11/16 inch ~ 18 mm

Art. No.	Blade width · Description
BO 5141300	11/16 inch (18 mm) · Snap-off knife) · Blade stop via slide latch
BO 5141301	11/16 inch (18 mm) · 10 pcs
BO 3002018	Snap-off blades11/16 inch (18 mm) · 10 pcs

Metric specifications are exact · inches are approximate

▶ Snap-Off Knife Economy

With metal blade guide and blade stop · magazine for spare blades in handle · supplied with 1 snap-off blade 11/16" (18 mm)

Art. No.	Description · Blade width
BO 3002018	Snap-off blades 11/16 inch (18 mm) · 10 pcs

▶ Foldaway Knife with Trapezoidal Blades ☆

ⓘ Length 3-15/16 inch ~ 100 mm

▼ Characteristics

Precise blade support free of play for accurate work

Art. No.	Description
BO 3003000	Foldaway Knife with Trapezoidal Blades
BO 3003001	Spare blades

▶ Simplex Knife

Made of aluminum · extra sharp, pointed blade · for screw-on blades · with aluminum handle or aluminum handle with plastic coating and protective cover

Art. No.	Handle
BO 3001901	Aluminum handle with plastic coating and protective cover
BO 3001902	Spare blades · 100 pcs

Glazing

▶ Special Knife with Blade

For removing unwanted remains of cured adhesive after bevel bonding · 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 pcs

▶ Knife for Sealed Units

Sickle-shaped · with inner cutting edge · brown polished wooden handle · for cutting sealed units open

ⓘ Blade length 3-1/8 inch ~ 80 mm

Art. No.	
BO 5141400	Knife for Sealed Units

▶ Glass Scraper Premium "Martor"

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

ⓘ Blade width 1-9/16 inch ~ 40 mm

Art. No.	Description
BO 5141000	Glass Scraper
BO 5141005	Single Edge Razor Blade
BO 5141001	Personna spare blades · 100 pcs

▶ Miter shears

With mitre stop for 45° cuts · for cutting sealing strips, rubber profiles and flat inserts made of wood or plastic · Made in Germany

ⓘ Finish shiny zinc-plated

Art. No.	Description
BO 5109700	Miter shears
BO 5109701	Spare blade

Metric specifications are exact · inches are approximate

▶ Single edge razor blades .009" Triple Faceted

Super sharp, ultra-long life. Used for many different applications including safety glass manufacturing and cleaning glass . Three facet blades can be oiled or degreased, dependingon application · Used in safety glass processing, sample and specimen cutting and precision applications · Also used toeliminate the risk of scratching delicate materials like glass and mirrors · Made in Virginia, USA.

ⓘ Thickness .009 inch ~ 0.2 mm · Material: Aluminum

Art. No.	
BO 5141006	Single edge razor blades .009"

▶ Single edge razor blades .012" Double Faceted

Thicker 0.012" blade for increased stability in situations that demand control. Ultra-long life. Used for many different applications including safety glass manufacturing, cleaning / scraping glass and mirrors and other substrates. Used to eliminate the risk of scratching delicate materials like glass and mirrors

ⓘ Thickness .012 inch ~ 0.3 mm · Material: Aluminum

Art. No.	
BO 5141014	Single edge razor blades .012"

▶ Spare blades

For Simplex (BO 30 019 00) and scalpel knives (BO 30 019 01)

Art. No.	Description · Packaging
BO 3001902	Spare blades · 100 pcs

▶ Pry & Scrape Tool

scrapes paint · smoothes wood · removes baseboards and nails. Sharp chisel end · nail-pulling slot · high carbon steel

ⓘ Length 10 inch ~ 254 mm

Art. No.	
BA 5167000	

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

ⓘ Width 7/16 inch ~ 11 mm · Packaging unit 2000 pcs

Art. No.	
BO 3700972	Diamond Points

▶ Triangle Points

ⓘ Width 7/16 inch ~ 11 mm · Packaging unit 2000 pcs

Art. No.	
BO 3700975	Triangle Points

Metric specifications are exact · inches are approximate

04 | Cleaning

Cleaning Products

There is an increasing demand for cleaning and protecting agents for glass surfaces. Bohle offers the right cleaning products for practically every kind of problem

▶ 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 · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

Art. No.	Contents · incl.
BO 5107910	Spray bottle, refillable 0.25 Litre · Spray Head
BO 5107911	Refill 0.26 gal. (1 Litre)
BO 5107912	Refill 7.133 gal. (27 Litre)

▶ 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
BO 5107806	Container · 25 litres
BO 5107807	Container · 12 litres
BO 5107803	Drain cock for BO 5107806
BO 5107804	Drain cock for BO 5107807

Glazing

▶ Brite Sheen™ Plus Glass Cleaner

The upgraded Bohle BriteSheen(R) Plus Glass Cleaner is an exclusive formula,especially developed for the professional glazier. Industrial strength, streak freeaerosol formula with foaming action stays on the glass for better result. Formulatedfor the toughest glass environment, the Bohle BriteSheen (R) Plus formula is VOCcompliant and environmentally friendly. A freshly designed spray can and nozzle allows for improved yield. net wt. 1lb. 3 oz (538g) sold per case of 12 cans

Art. No.	
BO 5107903	

▶ Polishing Gel containing Cerium ☆

Cero-Gel is a high quality polishing agent based on cerium oxide - a product made of rare earth elements. 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. Using supreme quality components allows the gel to be applied systematically and precisely. Cero-Gel can be applied manually with a suitable polishing cloth (microfibre cloth). In case of persistent contamination and hairline scratches, it is best to use a manual polishing device.

As economy version we recommend 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

ⓘ Contents 3.3 fl. oz.100 ml · Recommended: 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	

Metric specifications are exact · inches are approximate

► 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	

► Lint Free Paper Wipes

White, heavy duty paper wipes in a pop-up dispenser box. - lint free paper wipes for all your glass and glazing needs - Can be purchased individually or per case - 6 boxes per case - 900 count. Made in USA. For use in various applications including UV bonding, showcase finishing, shower installations, mirrors, auto glass and more.

ℹ Size 9" x 17" inch ~ 229 x 432 mm · Packaging unit 150 pcs

Art. No.	
BA 5141612	

► Microfiber Cloths Premium

Industrial quality microfiber cloths for drying and polishing treated or untreated glass surfaces.

Art. No.	Contents
BC 5056000	10 pcs

► Window Washer with Fleece

Window washer with lint-free, easy-to-exchange fleece cover for general cleaning of glass surfaces.

Art. No.	Description · Width
BO 5553200	Complete set · 13-3/4 inch (35 cm)

► Window Washer

Made of rustproof steel

Art. No.	Description · Width
BO 5551200	Window Wiper Handle
BO 5551300	13-3/4 inch (35 cm) · Rail with Rubber Strip

Glazing

▶ Steel Wool

Top quality · long-fibred · tough · good grip · excellent polishing and grinding ability · highly elastic and uniform · easily divisible strands

Art. No.	Description
BO 5141605	Cardboard roll of 0.22 lbs (100 g) · 00
BO 5141601	Cardboard roll of 0.44 lbs (200 g) · 00
BO 5141602	Spool of 11 lbs (5 kg) · 00

▶ Dust Brush

Fine, light-coloured bristles · 1 row

ℹ Bristle length approx. 2-3/16 inch ~ 55 mm · Size 6-11/16 x 7/8 inch ~ 170 x 23 mm

Art. No.	
BO 5141600	Dust Brush

▶ Amaz Water Stain Remover

A way to clean difficult stains without using acids or harsh chemicals - safe to use in non-ventilated areas and no mask or gloves required - cantains no bleaches, chlorides or gritty pumice that can cause damage to delicate surfaces, and is also safe for Septic tanks - penetrates the surface material, removing all excess unwanted stain, restoring the glass,metal, or porcelain back to the original quality - will not repair glass or reverse „etching" which is permanent damage to glass - because it is manufactured as a paste, as opposed to a liquid or a cream, it is able to deep clean with great results, to make surfaces look brand new again - watch oxidation, black streak, bluing, calcium, tarnish, salt spray, and water stains simply fade away . A well respected and used product in the Industry.

ℹ Contents 14 fl. oz. ~ 440 ml

Art. No.	
BA 3379520	

▶ Amaz Scrub Pad

A non-abrasive, polyester pad that helps clean a variety of surfaces - safe to use on glass and compliments the Bohle Amaz Water Stain Remover - 100% of the polyester fibre comes from recycled materials, primary sources for these materials are recycled soda and water bottles

Art. No.	
BA 3379521	Scrub Pad
BA 3379522	Scrub Pad Handle

05 | Protection Films

Emergency Repair Film
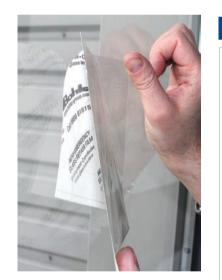
▶ Bohle Emergency Repair Film

The Bohle Emergency Repair Film was specially developed to provide a fast and cost effective repair to broken window glass, doors, partition glass and mirrors. It uses a semi rigid extremely tough polyester film combined with an aggressive solvent less acrylic adhesive that will bond to the glass permanently and give 85% light transmission. The adhesive is lined with glassine coated paper having a printed grid pattern on the outer side to help cut the film to size.

ⓘ Roll length 49 2-9/16 ft ~ 15 m · Film thickness 175 µm

▼ Characteristics

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

Glazing

Art. No.	Roll width
BO 6002570	19-1/2 inch (500 mm)
BO 6002571	39-3/8 inch (1000 mm)

▶ 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 328 ft ~ 100 m

Art. No.	Width · Length
BO 5105145	19-11/16 inch (50 cm) · 328 inch (100 m)
BO 5105146	39-3/8 inch (100 cm) · 328 inch (100 m)

▶ Film in Sandblast Look

High quality film for a sandblasted glass look

ℹ Roll width 4 - 11-13/16 ft ~ 1.52 m

▼ Characteristics

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	0 - 59-13/16 ft (1.52 m) · 32 - 9-11/16 inch (10 m)
BO 5105149	0 - 59-13/16 ft (1.52 m) · 82 - 0-1/4 inch (25 m)

Metric specifications are exact · inches are approximate

► Etch Foil

High quality film in etched look

ⓘ Roll width 4 - 0-1/16 ft ~ 1.22 m

▼ Characteristics

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	4 - 0-1/16 ft (1.22 m) · 32 - 9-11/16 inch (10 m)
BO 5105139	4 - 0-1/16 ft (1.22 m) · 82 0-1/4 inch (25 m)

Glazing

06 | Caulk Guns and Sealant Dispensers

Caulk Guns and Sealant Dispensers

Our wide range of products provides you with the right tool for every sealing job: from manual and pneumatic sealant dispenser guns to cordless cartridge guns.

Find the complete range of Bohle caulk, sealants and mirror adhesives on page 257.

▶ Prescot Sausage Caulk Gun

10 oz. / 20 oz. Sausage, 10.3 oz. Cartridge Pre-Configured for Sausage Application Plungers · Included for Cartridge Mechanical Advantage 10:1 Plastic Barrel & Handle- Lightweight and Erogonomic Built · In ladder Hook Quick Release End Cap · Includes Six White Cone Nozzles · All Component Replaceable Parts

Art. No.	
BA 5104950	

▶ Nozzles for Prescot Gun

White Cone Plastic Nozzle

Art. No.	
BA 5104951	

▶ Wexford Caulk Gun 7:1

Standard 10.3 oz. Cartridge Mechanical Advantage 7:1 Wear Compensating Device Retractable Seal Puncturing Device -Corrosion Resistant Epoxy Finish - Hex Drive Rod - Built-In Ladder Hook - Steel Catch Plate D-I-Y, Professional and Industrial Model

ⓘ For cartridges 10.4 fl ~ 310 ml

Art. No.	Description
BO 5104900	Cox Caulk Gun 7:1

Metric specifications are exact · inches are approximate

▶ Cox Chilton Gun 12:1

Standard 10.3oz. Cartridge Mechanical Advantage 12:1 · Switchable Flow Control · Seal Puncturing Device · Wear Compensating Device - Built-in Ladder Hook · High Volume Usage · Catch Plate · Sintered Steel Barrel Turns · Application Around Corners · Low-Medium Viscosity Materials · All Component Replaceable Parts · Available Without Switchable Flow Control - Model 41004-M/1

ⓘ For cartridges 10.4 fl ~ 310 ml

Art. No.	Description
BO 5104902	Cox Caulk Gun 7:1

▶ Cox Chilton Gun 18: 1 - XT

Standard 10.3 oz. Cartridge · Mechanical Advantage 18:1 · Switchable Flow Control · Seal Puncturing Device · Wear Compensating Device · Built-in Ladder Hook · Catch Plate - Sintered Steel · Barrel Turns - Application Around Corners

ⓘ For BA5104950/ BA 5104951/ B5104900/ BA 5104902

Art. No.	
BO 5104903	

Smoothing Spatula

▶ Smoothing Spatula Vulkollan

For smoothing sealed surfaces

ⓘ Length 3-9/16 inch ~ 90 mm · Width 3-9/16 inch ~ 90 mm · Thickness 3/16 inch ~ 5 mm · Material: Vulkollan

Art. No.	Description
BO 5166301	Smoothing Spatula

Glazing

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 available from most trusted PowerGrab® Series. Fully coated thumb area offers more protection. Unlike similar gloves in the market that leave the top of the thumb uncoated and unprotected, PowerGrab® series fully coat the thumb, protecting the vulnerable area while offering an excellent grip performance.

ⓘ Cut resistance level: 3

▼ **Characteristics**

Extra Warmth Napped Acrylic liner makes it possible to work under cold conditions. · Leaching Proteins, chemical substances, and odor are leached from PowerGrab® series to minimize allergic reaction. · Safety Extra coating of thumb area assures the most important aspect, safety. · Grip Performance Revolutionary MicroFinish® promises outstanding wet and dry handling. · Comfort A 10-guage 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

Metric specifications are exact · inches are approximate

▶ 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

ⓘ 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

ⓘ Cut resistance level: 4

Art. No.	Size · Description
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

▶ ActiveGrip Advance KEVLAR® KEV

Fine-knit KEVLAR® cut protection gloves · extremely good grip due to open-pore MicroFinish® nitrile coating · PPG approved for SoftCoats · For universal applications · tested per DIN EN 388 CAT II

ⓘ 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)

Glazing

▶ 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

ⓘ 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 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

ⓘ Cut resistance level: 1

Art. No.	Size
BO 5017516	11 / XXL
BO 5017517	10 / XL
BO 5017518	9 / L
BO 5017519	8 / M

▶ 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

ⓘ Size 13-3/4 inch ~ 35 cm

Art. No.	Description
BO 5007503	Protective Kid Gloves

▶ Wrist Protector Sleeves

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

ⓘ Total length approx. 11-5/8 inch ~ 300 mm · Cut resistance level: 5

Art. No.	Size
BO 5007509	one size

▶ Wrist Protector Sleeves

Chrome split leather · perforated · with Velcro fastening · borders leather-reinforced
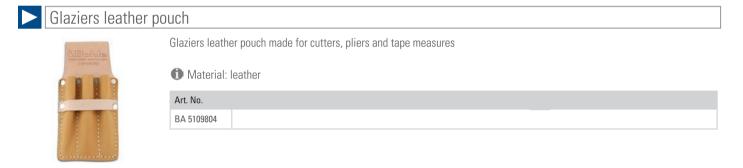
ⓘ Cut resistance level: 2

Art. No.	Size · Width
BO 5207704	one size · 5.71 inch (145 mm)
BO 5207724	one size · 7.87 inch (200 mm)

Metric specifications are exact · inches are approximate

► Dermatril Disposable Gloves

Offering greater mechanical resistance than conventional disposable latex gloves · dispensing box

ⓘ Chemical protection class cat. III · 3

Art. No.	Size · Contents
BO 5007510	10 · 100 pcs

► Cotton Gloves

Natural white · with fold-over thumb · suitable for either hand · few seams

Art. No.	Size
BO 3400000	one size

► Glaziers leather pouch

Glaziers leather pouch made for cutters, pliers and tape measures

ⓘ Material: leather

Art. No.	
BA 5109804	

Work Aprons

► Work Apron KEVLAR® short

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

ⓘ Length 23-5/8 inch ~ 60 cm · Width 23-5/8 inch ~ 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

ⓘ Length 23-5/8 inch ~ 60 cm · Width 23-5/8 inch ~ 60 cm · Cut resistance level: 2

Art. No.	Description
BO 5007603	With pocket

► Work Apron Chrome Split Leather long

Chrome split leather · especially robust quality · adjustable straps

ⓘ Length 39-3/8 inch ~ 100 cm · Width 31-1/2 inch ~ 80 cm · Cut resistance level: 2

Art. No.	Description
BO 5007601	With pocket

► Work Apron

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

ⓘ Length 47-1/4 inch ~ 120 cm · Width 31-1/2 inch ~ 80 cm

Art. No.	
BO 5007604	Work Apron

Metric specifications are exact · inches are approximate

Other Protective Wear

▶ **Protective Glasses Economy**

Panorama glasses · non-slip plastic sport arm, length and slant adjustable · with anti-fog coating · DIN EN166:2002-4

Art. No.	
BA 5007614	

▶ **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

Glazing

08 | Automotive Glazing

Automotive Glazing

▶ | Miter shears Premium "Löwe"

With mitre stop for 45° cuts · for cutting sealing strips, rubber profiles and flat inserts made of wood or plastic · Made in Germany

ⓘ Finish shiny zinc-plated

Art. No.	Description
BO 5109700	Miter 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

Metric specifications are exact · inches are approximate

Surface Protection

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 undimished efficiency.

10 Year Warranty

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
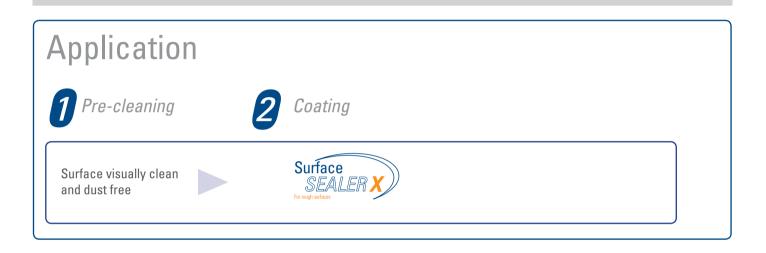
01 | BriteGuard®

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*

Surface visually clean and dust free   ▶   Surface SEALER X
For rough surfaces

▶ 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 16.9 oz (0.5 litre9 bottle, spray head BO 5107810 is included in the delivery · Shelf life in original packaging: 12 months from the date of manufacture · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

ⓘ Please note: The material is only suitable to a limited extent for exterior applications. If you have questions, please contact our application technicians.
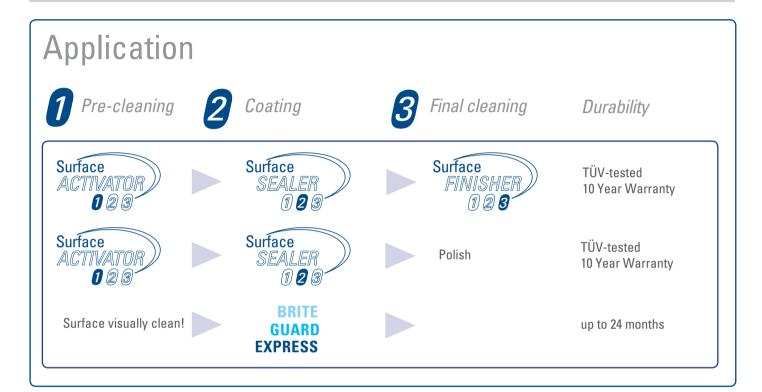
Art. No.	Contents
BO 5820500	0.13 gal. (0.5 Litre)
BO 5825000	1.32 gal. (5 Litre)

■Bohle

Metric specifications are exact · inches are approximate

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

1 Pre-cleaning	**2** Coating	**3** Final cleaning	Durability
Surface **ACTIVATOR** **1** ② ③	Surface **SEALER** ① **2** ③	Surface **FINISHER** ① ② **3**	TÜV-tested 10 Year Warranty
Surface **ACTIVATOR** **1** ② ③	Surface **SEALER** ① **2** ③	Polish	TÜV-tested 10 Year Warranty
Surface visually clean!	**BRITE GUARD EXPRESS**		up to 24 months

▶ BriteGuard® Surface ACTIVATOR ⚠

The glass surface must always be pre-cleaned with Surface Activator, regardless of whether it looks clean or dirty. With BriteGuard a single cleaner suffices.

Art. No.	Contents
BO 5831000	0.26 gal. (1 Litre)
BO 5835000	1.32 gal. (5 Litre)

▶ 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 16.9 oz (0.5 litre9 bottle, spray head BO 5107810 is included in the delivery · Shelf life in original packaging: 12 months from the date of manufacture · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

Art. No.	Contents	
BO 5810500	0.13 gal. (0.5 Litre)	
BO 5815000	1.32 gal. (5 Litre)	

▶ BriteGuard® Surface FINISHER ⚠

When smooth surfaces have been coated, you also need Surface Finisher for the final cleaning. Rough surfaces only need to be polished after they have been coated with Surface Sealer X.

Art. No.	Contents	
BO 5841000	0.26 gal. (1 Litre)	
BO 5845000	1.32 gal. (5 Litre)	

▶ 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. The protective effect lasts much longer than when compared to similar, temporary protection products. · 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 renewed at all times · For professional requirements and for use at home · 16.9 fl oz (500 ml) bottle with spray head · Shelf life in original packaging: 12 months from the date of manufacture

Art. No.	Contents	
BO 5850010	Sample bottle 3 fl. oz. (100 ml)	
BO 5850050	16.9 fl. oz. (500 ml)	
BO 5850000	1.3 gallon. (5 l)	

Metric specifications are exact · inches are approximate

Limescale Removal Products

▶ BriteGuard® Limescale Remover ⭐

Limescale remover for professional use or standard use at home · 16.9 fl oz (500 ml) bottle with spray head · Spray BriteGuard® Limescale Remover onto the surface and allow to take effect shortly to be then removed with a clean towel. · Suitable for pre-cleaning before using BriteGuard® Express

Art. No.	Contents
BO 5880100	3.38 fl. oz. (100 ml)
BO 5880500	16.9 fl. oz. (500 ml)
BO 5885000	1.3 gallon. (5 l)

▶ BriteGuard® Limescale Remover Concentrate ⚠ ⭐

Art. No.	Contents
BO 5870500	16.9 fl. oz. (500 ml)
BO 5875000	1.3 gallon. (5 l)

Surface Protection
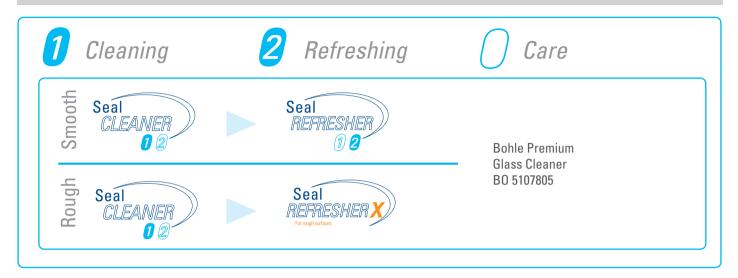
Products for Care and Maintenance

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*　　○ *Care*

Smooth	Seal CLEANER 1 2	▶	Seal REFRESHER 1 2
Rough	Seal CLEANER 1 2	▶	Seal REFRESHER X For rough surfaces

Bohle Premium
Glass Cleaner
BO 5107805

▶ Seal REFRESHER Set

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, 8.4 fl oz. (250 ml)
1x BriteGuard® Seal RERESHER, 8.4 fl oz. (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, 8.4 fl oz. (250 ml)
1x BriteGuard® Seal REFRESHER X, 8.4 fl oz. (250 ml)
1x Microfibre Cloth

Art. No.	
BO 5860251	Seal REFRESHER X Set

▶ Bohle Premium Glass Cleaner

Please note: Not suitable for pre-cleaning before UV bonding! Only for cleaning after bonding!
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 · addl. spray heads BO 5107810 0183 · improved formula with new design

Art. No.	Contents
BO 5107805	0.26 gallons

Metric specifications are exact · inches are approximate

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 0.13 gal / 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 1.32 gal / 5 l)

Art. No.	
BO 5870000	

▶ Window Washer

Made of rustproof steel

Art. No.	Description · Width
BO 5551200	Window Wiper Handle
BO 5551300	13-3/4 inch (35 cm) · Rail with Rubber Strip

▶ Microfiber Cloths Premium

Industrial quality microfiber cloths for drying and polishing treated or untreated glass surfaces.

Art. No.	Contents
BC 5056000	10 pcs

▶ Protective Glasses Economy

Panorama glasses · non-slip plastic sport arm, length and slant adjustable · with anti-fog coating · DIN EN166:2002-4

Art. No.	
BA 5007614	

▶ Cotton Pads

Pure cotton pads

Art. No.	Length · Width · Contents
BO 5052065	3-1/8 inch (8 cm) · 3-15/16 inch (10 cm) · 20 pcs

▶ Pad Holder and pads

To prevent the products from becoming mixed, please use a separate pad for each product.

Art. No.	Description · Color
BC 5058310	Pad holder large · blue
BC 5058450	Pad large

▶ Dermatril Disposable Gloves

Offering greater mechanical resistance than conventional disposable latex gloves · dispensing box

ℹ Chemical protection class cat. III · 3

Art. No.	Size · Contents
BO 5007510	10 · 100 pcs

▶ Bucket

Differently colored water buckets, whose rectangular shape makes them especially suitable for window washers up to 17-11/16" (45 cm) wide.

ℹ Size 19-11/16 inch ~ 50 cm · Shape Rectangular

Art. No.	Color
BC 5057000	blue

Metric specifications are exact · inches are approximate

▶ Spray Head for Glass Cleaner

For BO 5107805 + BO 5107910

Art. No.	Description
BO 5107810	Spray Head

▶ Empty Bottle

Art. No.	Contents
BO 5810502	16.9 fl. oz. (500 ml)
BO 5810503	33.8 fl. oz. (1000 ml)

Flyers for End User Customers

The BriteGuard® end user information flyers are perfect for marketing BriteGuard® to your customers. The flyers are printed on both sides and a blank field leaves space for your company logo. Please ask your Bohle representative for a supply of copies for your shop.

Glass Bonding

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.

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 · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

Art. No.	Contents · incl.
BO 5107910	Spray bottle, refillable 8.25 fl oz · Spray Head
BO 5107911	Refill 33.3 fl oz (1 Litre)
BO 5107912	7.133 gal. (27 Litre)

Post Bonding Cleaning Products

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 0.26 gal. (1 Litre)						
BO 5107807	Container 3.2 gal. (12 Litre)						
BO 5107806	Container 6.6 gal. (25 Litre)						
BO 5107810	Spray Head for 5107805 + 5107910						

▶ Brite Sheen™ Plus Glass Cleaner

The upgraded Bohle BriteSheen(R) Plus Glass Cleaner is an exclusive formula,especially developed for the professional glazier. Industrial strength, streak freeaerosol formula with foaming action stays on the glass for better result. Formulatedfor the toughest glass environment, the Bohle BriteSheen (R) Plus formula is VOCcompliant and environmentally friendly. A freshly designed spray can and nozzle allows for improved yield. net wt. 1lb. 3 oz (538g) sold per case of 12 cans

Art. No.	Description
BO 5107903	Brite Sheen

Metric specifications are exact · inches are approximate

▶ Lint Free Paper Wipes

White, heavy duty paper wipes in a pop-up dispenser box. - lint free paper wipes for all your glass and glazing needs - Can be purchased individually or per case - 6 boxes per case - 900 count. Made in USA. For use in various applications including UV bonding, showcase finishing, shower installations, mirrors, auto glass and more.

ⓘ Size 9" x 17" inch ~ 229 x 432 mm · Packaging unit 150 pcs

Art. No.	
BA 5141612	

▶ Steel Wool

Top quality · long-fibred · tough · good grip · excellent polishing and grinding ability · highly elastic and uniform · easily divisible strands

Art. No.	Description
BO 5141605	Cardboard roll of 0.22 lbs (100 g) · 00
BO 5141601	Cardboard roll of 0.44 lbs (200 g) · 00
BO 5141602	Spool of 11 lbs (5 kg) · 00

▶ Special Knife with Blade

For removing unwanted remains of cured adhesive after bevel bonding · 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 pcs

▶ Simplex Knife

Made of aluminum · extra sharp, pointed blade · for screw-on blades · with aluminum handle or aluminum handle with plastic coating and protective cover

Art. No.	Handle
BO 3001901	Aluminum handle with plastic coating and protective cover
BO 3001902	Spare blades · 100 pcs

▶ Glass Scraper Premium "Martor"

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

ⓘ Blade width 1-9/16 inch ~ 40 mm

Art. No.	Description
BO 5141000	Glass Scraper
BO 5141005	Single Edge Razor Blade

▶ Single edge razor blades .009" Triple Faceted

Super sharp, ultra-long life. Used for many different applications including safety glass manufacturing and cleaning glass . Three facet blades can be oiled or degreased, dependingon application · Used in safety glass processing, sample and specimen cutting and precision applications · Also used toeliminate the risk of scratching delicate materials like glass and mirrors · Made in Virginia, USA.

ⓘ Thickness .009 inch ~ 0.2 mm · Material: Aluminum

Art. No.	
BO 5141006	Single edge razor blades .009"

▶ Single edge razor blades .012" Double Faceted

Thicker 0.012" blade for increased stability in situations that demand control. Ultra-long life. Used for many different applications including safety glass manufacturing, cleaning / scraping glass and mirrors and other substrates. Used to eliminate the risk of scratching delicate materials like glass and mirrors

ⓘ Thickness .012 inch ~ 0.3 mm · Material: Aluminum

Art. No.	
BO 5141014	Single edge razor blades .012"

▶ Dermatril Disposable Gloves

Offering greater mechanical resistance than conventional disposable latex gloves · dispensing box

ⓘ Chemical protection class cat. III · 3

Art. No.	Size · Contents
BO 5007510	10 · 100 pcs

▶ 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

Metric specifications are exact · inches are approximate

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. Please note: Hazmat, Gound shipment only - cannot be shipped via Air.

▶ Metal Primer   ⚠ 🗒

For improved adhesion of aluminum, chrome or nickel-plated surfaces · for bonding with acrylate adhesives · Used as an adhesion promoter for UV Digital Printing applications (Please note, this is not designed for printed applications coming into continuous contact with liquids. We recommend to test the product application prior to production). · Shelf life in original packaging: 12 months from the date of manufacture · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available
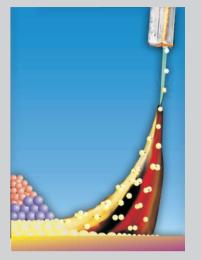
Art. No.	Contents
BO 5209488	3.33 fl oz /(100ml)
BO 5209489	33.3 fl oz /(1000ml)

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® Standard Kit ⚠

For improved adhesive strength for UV bonds on problematic surfaces · kit contains a burner with piezoelectric firing, 1.69 oz (50 ml) bottle of coupling agent, 0.9 lbs (27.5 g) gas refill cartridge · size of flame adjustable · contents are sufficient for pre-treating approx. 322 sq ft (30 sq m) of bonding surface · The flame burner is supplied empty.

Art. No.	Description
BO 5209490	Pyrosil® Standard 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 0.9lbs (27.5 g) gas cartridges, 2 x 1.69 oz (50 ml) bottle of coupling agent and an application brush. Contents are sufficient to pre-treat approx. 1070 sq ft (10,000 sq cm) of bonding surface. · The flame burner is supplied empty. · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

Art. No.	Description
BO 5209491	Professional kit

Bohle

Metric specifications are exact · inches are approximate

► **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. · Please note: · Gas cartridges BO 5209497/Primer are not included. Please order separately!

Art. No.	Description
BO 5500450	Pyrosil® Applicator GVE 2

► **Pyrosil® Primer** ⚠

Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

Art. No.	Contents
BO 5209494	1.69 fl. oz. (50 ml)
BO 5209498	8.45 fl. oz. (250 ml)
BO 5209499	33.8 fl. oz. (1000 ml)

► **Pyrosil® Gas cartridge** ⚠

Art. No.	Description · For
BO 5209495	Gas cartridge 0.9 lb (27.5 g) · BO 5209490) · approx. 3.2 sq ft. / 0.3 m²)
BO 5209496	Gas cartridge 0.9 lb (27.5 g) · BO 5209491) · approx. 5.3 sq ft / 0.5 m²)
BO 5209497	Gas cartridge 11 lb (330 g) · BO 5500450) · approx. 160 sq ft /15 m²)

► **Pyrosil® Spare Flame Burner**

Art. No.	Description
BO 5500455	Pyrosil® Spare Flame Burner

Glass Bonding

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 vibrations or slipping and thus guarantee the best possible bonding results.

Verifix® Glass Bonding Table

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 guarantees 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 guaranteeing 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.

ⓘ Length 71-5/8 inch182 cm · Width 36-5/8 inch 93 cm · Height 35-7/16" (90cm)

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

Additional basic tables available:

Art. No.	Size
BO 5590010	39-3/8" x 98-7/16"
BO 5590020	39-3/8" x 118-1/8"
BO 5590030	39-3/8" x 137-13/16"
BO 5590040	59" x 98-7/16"
BO 5590050	59" x 118-1/8"
BO 5590060	59" x 137-13/16"

Metric specifications are exact · inches are approximate

Holding device
For fixing glass panes on the bonding table.

Angle suction holder Verifix® Pro
For precise positioning

Miter stop
For use with 45° miter bonds

Especially sturdy version!

Lamp holder
For positioning a UVA tube lamp at the bonding table

Carrying case
For storing the angle suction holders Verifix® Pro

Legs with height adjustment

▶ 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® 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 the fixation of small glass parts · optimised sturdy version!

ⓘ 2 suction pads 55 mm ø · Adjustment range height / depth ± 1/8 inch ~ ± 3 mm ·
Length 3/4 inch ~ 94.8 mm · Width 3 inch ~ 76 mm · Height 3-3/4 inch ~ 94.9 mm

Recommended:
Use fixing aid BO 633.10L in
order to adjust the adhesive
layer thickness for vertical
bonding edges and for sta-
bilising the glass panes.

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

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® 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 vibrations and slipping - both for corner and T-joints. · Exact adjustment of the bonding gap (= thickness of adhesive layer) · extremely sturdy

ⓘ Height 6-15/16 inch ~ 176 mm · Depth 6-5/16 inch ~ 160 mm · Suction pad 4-5/16 inch ~ 110 mm ø

VERIFIX

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

Metric specifications are exact · inches are approximate

► Angle Suction Holder Verifix® 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 vibrations 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

ⓘ Height 6-15/16 inch ~ 176 mm · Depth 6-5/16 inch ~ 160 mm · Suction pad 4-5/16 inch ~ 110 mm ø

VERIFIX

▼ Characteristics

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 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. The 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 B665-0, 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).

ⓘ Thickness 0.0019 inch ~ 0.05 mm · Color 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).

ⓘ Thickness 0.0039 inch ~ 0.1 mm · Color purple

Art. No.	Description
SP BT6386	Thickness Gauge 0.1 mm

Metric specifications are exact · inches are approximate

Rigid Fixation Devices
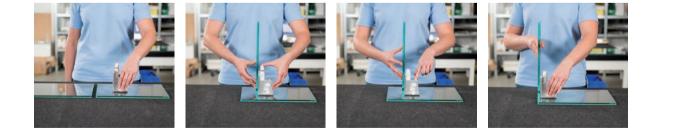
A special range of diverse holding and helping devices for systematic glass bonding. Useful for many applications - for example, for positioning when edge bonding.

▶ **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 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 aluminum guides

ⓘ 2 suction pads 4-3/4 inch ~ 120 mm ø · Adjustment range height / depth +/- 1/2 inch ~ 12 mm · Bracket length 7-7/8 inch ~ 200 mm · Bracket width 5 inch ~ 127 mm

± 12 mm
± 12 mm

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

▶ 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 aluminum guides

ⓘ 2 suction pads 4-3/4 inch ~ 120 mm ø · Adjustment range height / depth +/- 1/2 inch ~ 12 mm · Bracket length 15-3/4 inch ~ 400 mm · Bracket width 11 inch ~ 280 mm

± 12 mm
± 12 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 aluminum guides

ⓘ 5 suction pads 4-3/4 inch ~ 120 mm ø · Adjustment range height / depth +/- 1/2 inch ~ 12 mm · Bracket length 25-9/16 inch ~ 650 mm · Bracket width 13-3/4 inch ~ 350 mm

± 12 mm
± 12 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 the fixation of small glass parts · optimised sturdy version!

ⓘ 2 suction pads · Suction pad 2-3/16 inch ~ 55 mm ø · Length 2-15/16 inch ~ 75 mm · Width 3 inch ~ 76 mm · Height 3 inch ~ 75 mm

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

Metric specifications are exact · inches are approximate

▶ Angle Suction Holder Verifix® 90° adjustable

VERIFIX

For the fixation of small glass parts · optimised sturdy version!

ⓘ 2 suction pads 55 mm ø · Adjustment range height / depth ± 1/8 inch ~ ± 3 mm · Length 3/4 inch ~ 94.8 mm · Width 3 inch ~ 76 mm · Height 3-3/4 inch ~ 94.9 mm

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

Recommended:
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

ⓘ 1 suction pad 2-3/16 inch ~ 55 mm ø · Glass thickness max. 5/16 inch ~ 8 mm · Length 2-3/4 inch ~ 70 mm · Width 2-3/16 inch ~ 55 mm · Height 2-9/16 inch ~ 65 mm

Art. No.	Description
BO 634.02	Verifix counter plate for magnetic cube

Recommended:
Always store the magnets with the counter plates attached. Closing the magnetic circuits extends the service lives of the magnets.

Verifix® Corner Clamp

The Verifix® corner clamps are ideal for quick 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 (outer) · with Adjustable Thrust Pad and Suction Cup

VERIFIX

By using 4 of these BO 635.0 corner clamps, a cabinet or similar object can be positioned quickly · for short-term positioning · for rectangular constructions

ⓘ Suction pad 2-3/16 inch ~ 55 mm ø

Art. No.	Description
BO 635.0	Verifix® Corner Clamp (outside)

▶ 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 fixation plates have protective coating to avoid scratches on the glass surface · always store the magnet with the counter plate attached

ⓘ Length 1-15/16 inch ~ 50 mm · Width 1-3/4 inch ~ 45 mm · Height 1-3/4 inch ~ 45 mm · Glass thickness max. 5/16 inch ~ 8 mm

Recommended:
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 Cubewith Two Counter Plates
BO 634.01	Magnetic cube without plates
BO 634.02	Verifix counter plate for magnetic cube

Metric specifications are exact · inches are approximate

Flexible and Variable Fixing Devices

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

Verifix® Adjustable Angle Suction Holders

To hold parts at angles other than 90° easily and safely, we developed this flexible system.

▶ Verifix® Angle Suction Holder, infinitely adjustable

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

ⓘ 2 suction pads 4-3/4 inch ~ 120 mm ø · Adjustment range 45 - 300° · Adjustment range height / depth +/- 1/2 inch ~ 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

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

ⓘ 4 suction pads 4-3/4 inch ~ 120 mm ø · Adjustment range 45 - 300° · Adjustment range height / depth +/- 1/2 inch ~ 12 mm

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

Glass Bonding

Eccentric Suction Stoppers Verifix®

Verifix® eccentric suction stoppers are ideal for many tasks for shop and interior decoration. Application possibilities are practically unlimited.

▶ Verifix® Eccentric Suction Stopper

VERIFIX

An eccentrically rotating buffer stop is mounted at right angles to a VERIBOR suction holder, allowing precise positioning · suitable for all materials like glass, plastic, metal, coated wood and marble

ⓘ Suction pad 4-3/4 inch ~ ø 120 mm · Adjustment range 5/16 inch ~ 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 for suction
SP B0610	Pressure Spring
SP 6160	Washer for 602/603/604
BO 614.03	Spare Suction Pad

▶ Eccentric Suction Stopper Verifix®

VERIFIX

Eccentrically arranged, flat plastic disc · integrated suction cup · suitable for use when bonding floors or shelves in showcases · also can be used in pairs for fine adjustment of straight edge stoppers

ⓘ Height 13/16 inch ~ 20 mm · Adjustment range 1/4 inch ~ 6 mm

Art. No.	Interior · Outside · Description
BO 637.1	2-3/16 inch (55 mm ø) · 2-3/4 inch (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

ⓘ Height 13/16 inch ~ 20 mm · Adjustment range 1/4 inch ~ 6 mm

Art. No.	Interior · Outside · Description
BO 637.2	1-7/16 inch (36.5 mm ø) · 1-7/8 inch (47.5 mm ø)
BO 637.6	Spare suction pad
SP 5280.55	Rubber Coated Iron Plate with Naps

Metric specifications are exact · inches are approximate

▶ Fixation Device

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 3 units as min ·

ⓘ Height 2-15/16 inch ~ 75 mm · Diameter 2-3/16 inch ~ 55 mm

Art. No.	Description · Version
BO 670.1	Straight Edge Holder · adjustable

Clamping Devices Verifix®

These rotating holding devices have a large application field. They are optimally suited to build showcases, fish tanks or other glass cubes and are therefore indispensable when constructing glass furniture.

▶ Clamping Devices Verifix®

VERIFIX

Two forked endpieces which rotate 360° with connecting profile and plastic pressure screws for locking into place · especially suitable for special aquarium construction

ⓘ Glass thickness 1/8 - 3/8 inch ~ 3 - 10 mm

Art. No.	Glass thickness
BO 636.0	1/8 - 3/8 inch (3 - 10 mm)

▶ Clamping Devices Verifix®

VERIFIX

Two forked endpieces which rotate 360° with connecting profile and plastic pressure screws for locking into place · especially suitable for special aquarium construction · for thicker glass sheets

ⓘ Glass thickness 1/4 - 3/4 inch ~ 6 - 19 mm

Art. No.	Glass thickness
BO 636.1	1/4 - 3/4 inch (6 - 19 mm)

Glass Bonding

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, our following range of products 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	2.2 lbs (1 kg)
BO 5500513	11 lbs (5 kg) (available on request)
BO 5500516	110 lbs (50 kg) (available on request)

Metric specifications are exact · inches are approximate

▶ 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 needed to improve the adhesion of the two-component silicone on the glass surface.

ⓘ 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

ⓘ With Scale

Art. No.	Description
BO 5500521	Measuring cup 100ml / 3.38 fl oz
BO 5500522	Measuring cup 400 ml / 13.5 fl oz.

▶ Stopcock for 110 lbs (50 kg) Container

For dispensing silicone from the 110 lbs (50 kg) container (BO 5500516).

ⓘ Size 2"

Art. No.	Description
BO 5500519	Stopcock for 110 lbs (50 kg) Container

▶ Cotton Pads

Pure cotton pads

Art. No.	Description
BO 5500521	3-1/8 in (8 cm) x 3-15/16 in (10 cm)

▶ 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 · Hazmat item-please note this cannot be shipped via Air - only Ground shipment is available

Art. No.	Contents · incl.
BO 5107910	Spray bottle, refillable 8.25 fl oz · Spray Head
BO 5107911	Refill 33.3 fl oz (1 Litre)
BO 5107912	7.133 gal. (27 Litre)

Glass Bonding

▶ 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

Art. No.	Description
BO 5500519	3/8 in (9 mm) x 3/16 in (5 mm) x 32'-9 11/16 in (10 Meter)

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.

▶ 2K-PU Structural Adhesive

The two-component 2K-PU structural adhesive is a general-purpose adhesive suitable for bonding materials such as glass and many metals. The adhesive is especially 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 first be checked for bonding suitability). For special applications or when demanding loads are anticipated, trial bonding should be done. Because the adhesive is not crystal clear, it is not always suitable for visible bonds.

· Set offer: Save, compared to purchasing individually!

ⓘ Pot life: 13 min. · Processing stability: 30 min. · Final stability: 24 h · Max. allowable continuous temperature -67 - 212°F ~ -55 - +100°C · Shear strength 14 MPa · Elongation at break 65 % · Hardness (Shore D) 60

VERIFIX

▼ Characteristics

Not UV-stable · Test non-standard bonds (stone, wood, etc.) beforehand

Art. No.	Description · Set
BO 5500506	2K-PU Structural Adhesive
BO 5500507	2x adhesive, 2 packing units with mixing nozzles, 1 applicator

Metric specifications are exact · inches are approximate

▶ Two-component Acrylate Adhesive ⚠

Bohle two-component acrylate is an adhesive for crystal clear bonding 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 the adhesive is processed at one time, it will become hot. · Set offer: Save, compared to purchasing individually! · Test non-standard bonds (stone, wood, etc.) beforehand

ⓘ Processing time 30 sec. · Final stability: 8 h · Temperature range -22 - 212°F ~ -30 - +100° · Shear strength 17 MPa · Peel strength 25 N/mm

VERIFIX

Art. No.	Description · Set
BO 5500501	Two-component Acrylate Adhesive
BO 5500504	2x acrylate, 2 packs of mixer nozzles, 1 applicator

Accessories

▶ Applicator and Mixers

Suitable for cartridges BO 5500501 and BO 5500506. For easy application of two-component construction adhesives.

Art. No.	Description
BO 5500502	Applicator
BO 5500503	Mixer nozzles, 10

► 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

Metric specifications are exact · inches are approximate

UV Curing Adhesives

With specially developed properties, UV-curing adhesives are suitable for durable, stable bonds of many different materials such as glass-glass or glass-metal. For this purpose, Bohle has developed a large range of UV adhesives and is today known as the technology leader also in the field of glass bonding.

▶ UV Adhesive Verifix® MV 760

VERIFIX

The UVA-curing adhesive Verifix MV 760 is a high-viscosity, gel-like adhesive which, due to its adhesive properties, is suitable for universal applications. It has high strength and is highly resistant to vibration, thus making it ideal for glass/metal as well as glass/glass bonding. It features outstanding optical clarity and durable resistance to yellowing. Especially worth mentioning is also its high resistance to moisture. Verifix MV 760 is mainly used for glass constructions subject to high static or dynamic forces. Its high elongation at break compensates the expansion of different bonded materials without loss of adhesion. · Shelf life in original packaging: 18 months from the date of manufacture

ℹ Viscosity medium 1500 mPas · Shear strength 25 MPa · Bondline gap 0.08 - 0.5 mm · Max. allowable continuous temperature 158°F (70°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: clear transparent · 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	2.2 lbs (1000 g)
BO MV76025	0.5 lbs (250 g)
BO MV76010	0.2 lbs (100 g)
BO MV76002	0.04 lbs (20 g)

Glass Bonding

▶ 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.

ⓘ Viscosity medium 1500 mPas · Shear strength 25 MPa · Bondline gap 0.08 - 0.5 mm · Max. allowable continuous temperature 158°F (70°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: clear transparent · 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	2.2 lbs (1000 g) · with spacers
BO MV76025S	0.5 lbs (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 bond. 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. · Shelf life in original packaging: 18 months from the date of manufacture

ⓘ Viscosity medium 1500 mPas · Shear strength 25 MPa · Bondline gap 0.08 - 0.5 mm · Max. allowable continuous temperature 158°F (70°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: 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
BO MV76V1K	2.2 lbs (1000 g)
BO MV76V25	0.5 lbs (250 g)
BO MV76V10	0.2 lbs (100 g)

Metric specifications are exact · inches are approximate

▶ 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.

ⓘ Viscosity medium 1500 mPas · Shear strength 25 MPa · Bondline gap 0.08 - 0.5 mm · Max. allowable continuous temperature 158°F (70°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: clear transparent · 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
BO MV76V25S	0.5 fl. oz. (250 g)

▶ UV Adhesive Verifix® LV 740

VERIFIX

This UVA-curing adhesive is a low viscosity adhesive and, due to its extremely good capillary action, is exceptionally suitable for bonding glass to glass or tempered glass to tempered glass. It is especially distinguished by its high bonding strength coupled with good elasticity. Its special composition makes the Verifix LV 740 optically clear and provides long-term protection against yellowing. This adhesive is used when looks are extremely important, e.g. in the construction of showcases, glass furniture, etc.. Also especially worth mentioning is its good resistance to moisture. The main fields 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. · Shelf life in original packaging: 18 months from the date of manufacture

ⓘ Viscosity low 80 mPas · Shear strength 17 MPa · Bondline gap 0.0015 - 0.0078 inch 0.04 - 0.2 mm · Max. allowable continuous temperature 158°F (70°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: clear transparent · 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	2.2 lbs (1000 g)
BO LV74025	0.5 lbs (250 g)
BO LV74010	0.2 lbs (100 g)
BO LV74002	0.04 lbs (20 g)

Glass Bonding

▶ 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. · Shelf life in original packaging: 18 months from the date of manufacture

ⓘ Viscosity low 80 mPas · Shear strength 17 MPa · Bondline gap 0.04 - 0.2 mm · Max. allowable continuous temperature 158°F (70°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: clear transparent · 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	2.2 lbs (1000 g)
BO LV74V25	0.5 lbs (250 g)
BO LV74V10	0.2 lbs (100 g)

▶ UV Adhesive Verifix® B 665-0

VERIFIX

This UVA adhesive is crystal-clear and thin-bodied (low viscosity). It displays very good capillary properties allowing it to be applied from the outside and penetrating into the gap of pre-assembled panes by itself. This adhesive is used when looks are extremely important, e.g. in the construction of showcases, glass furniture, etc. 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 most economically. The adhesive B 665-0 is not water resistant and therefore not suitable for humid rooms or outdoor use. After curing, it is very hard and relatively brittle, i.e. not very elastic. This characteristic must be considered when constructing glass objects.

 Please note: The Bohle Verifix® B-665-0 UV adhesive is not suitable for tempered glass! · Shelf life in original packaging: 12 months from the date of manufacture

ⓘ Viscosity low 80 mPas · Shear strength 23 MPa · Bondline gap 0.04 - 0.2 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 250°F (-40 - +120°C) · Color: clear transparent · 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	2.2 lbs (1000 g)
BO 5209321	0.5 lbs (250 g)
BO 5209300	0.2 lbs (100 g)
BO 5209327	0.04 lbs (20 g)

Metric specifications are exact · inches are approximate

▶ 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. · Shelf life in original packaging: 12 months from the date of manufacture

ⓘ Viscosity medium 900 mPas · Shear strength 26 MPa · Bondline gap 0.09 - 0.5 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 285°F (-40 - +140°C) · Color: clear · 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	2.2 lbs (1000 g)
BO 5209395	0.5 lbs (250 g)
BO 5209394	0.2 lbs (100 g)
BO 5209393	0.04 lbs (20 g)

▶ UV Adhesive Verifix® B 682-T with Spacers ⚠ 📝

VERIFIX

The spacers added to the Verifix® B 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.

ⓘ Viscosity medium 900 mPas · Shear strength 26 MPa · Bondline gap 0.09 - 0.5 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 285°F (-40 - +140°C) · Color: clear · 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	2.2 lbs (1000 g) · with spacers)
BO 5209395S	0.5 lbs (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 colored 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.

Please note that this product is only formulated for VerifixR B 682-T UV adhesiv

Recommended:
Air sensitive product! Always close bottle immediately after use.

Art. No.	Contents
BO 5209365	0.3 fl. oz. (9 ml)
BO 5209367	1.69 fl. oz. (50 ml)

▶ UV Adhesive Verifix® B 678-0 Lamifix 📝

VERIFIX

This UVA-curing adhesive is crystal clear and has medium viscosity. It shows good capillary properties with glass up to 6 mm. Due to its elasticity, this adhesive is ideal for bonding many different material combinations. It also has the capacity to absorb vibrations in the bonding joint. Especially interesting, however, is its suitability for bonding laminated safety glass, where the PVB film absorbs much of the UVA radiation. Because this adhesive is made to also cure by daylight, it reacts with the remaining radiation (above 380 nm) and cures. Butt joints are no problem, even when multi-laminated units are involved: the adhesive does not affect the PVB layers. „Lamifix" adhesive is ideal for bonding laminated glass to laminated or ordinary glass, but also to wood, stone, metal and many thermoplastics. When bonding thermoplastics you should always do intensive testing first because not all thermoplastics can be bonded trouble-free. · Shelf life in original packaging: 12 months from the date of manufacture

ⓘ Viscosity medium 600 mPas · Shear strength 9 MPa · Bondline gap 0.06 - 0.3 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 212°F (-40 - +100°C) · Color: clear transparent · 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

Art. No.	Contents
BO 5209362	2.2 lbs (1000 g)
BO 5209360	0.19 lbs (85 g)

Metric specifications are exact · inches are approximate

▶ UV Adhesive Verifix® B 678-0 Lamifix with Spacers

VERIFIX

The spacers added to the Verifix® B 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.

ⓘ Viscosity medium 600 mPas · Shear strength 9 MPa · Bondline gap 0.06 - 0.3 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 212°F (-40 - +100°C) · Color: clear transparent · 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

Art. No.	Contents · Description
BO 5209362S	2.2 lbs (1000 g) · with spacers)

▶ UV Adhesive Verifix® B 690-0

VERIFIX

This UV-curing adhesive is crystal clear and of medium viscosity. It shows good capillary action with glass up to 6 mm thick. Due to its exceptional elasticity it is ideal for bonding different materials as well as for surface bonding up to 1 m². Especially worth mentioning is also its high resistance to moisture.
When bonding thermoplastics, you should always first do intensive tests, as not all thermoplastics can be bonded trouble-free. · Shelf life in original packaging: 12 months from the date of manufacture

ⓘ Viscosity medium 600 mPas · Shear strength 9 MPa · Bondline gap 0.06 - 0.3 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 212°F (-40 - +100°C) · Color: clear transparent · 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

Art. No.	Contents
BO 5209372	2.2 lbs (1000 g)
BO 5209370	0.18 lbs (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.

ⓘ Viscosity medium 600 mPas · Shear strength 9 MPa · Bondline gap 0.06 - 0.3 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -40°F to 212°F (-40 - +100°C) · Color: clear transparent · 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

Art. No.	Contents · Description
BO 5209372S	2.2 lbs (1000 g) · with spacers)

▶ UV Adhesive Verifix® 420VIS

VERIFIX

This medium-viscosity, UVA and light-curing adhesive was especially developed for bonding thermoplastic plastics. 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 rational production cycles.

ⓘ Viscosity medium 300 mPas · Shear strength 6 MPa · Bondline gap 0.07 - 0.2 mm · Max. allowable continuous temperature 122°F (50°C) · Temperature range -67°F to 250°F (-55 - +120°C) · Color: clear transparent · 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	2.2 lbs (1000 g)
BO 420VI25	0.5 lbs (250 g)
BO 420VI10	0.2 lbs (100 g)

▶ UV Adhesive Set

ⓘ Packaging unit 5 bottles · Contents each 20 g · Color: red - green - yellow - blue - black

Art. No.	Description
BO 5209331	UV Adhesive Set

Metric specifications are exact · inches are approximate

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:	158°F (70°C)	158°F (70°C)	158°F (70°C)	158°F (70°C)
Temperature range:	-40°F to 250°F (-40 - +120°C)	40°F to 250°F (-40 - +120°C)	40°F to 250°F (-40 - +120°C)	40°F to 250°F (-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:	122°F (50°C)	122°F (50°C)	122°F (50°C)	122°F (50°C)
Temperature range:	40°F to 250°F (-40 - +120°C)	40°F to 250°F (-40 - +120°C)	-40°F to 212°F (-40 - +100°C)	-40°F to 212°F (-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:	122°F (50°C)
Temperature range:	-40°F to 248°F (-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.

Glass Bonding

► 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

Metric specifications are exact · inches are approximate

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.
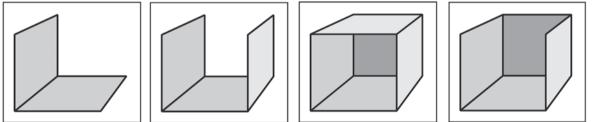
2.3 Pyrosil® surface pre-treatment:

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

Glass Bonding

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.

Metric specifications are exact · inches are approximate

Application Needles and Accessories

When regularly working with UV adhesives, applying the correct amount of adhesive is especially important, not only for the durability of the bond, but also for cost reduction. Verifix® dispensing systems in different variants offer the right solution for all requirements.

▶ Application Needle Set with Adaptor

Set of one adaptor with 5 application needles

ⓘ Diameter 0.01 x 0.016 x 0.02 x 0.03 x 0.05 inch ~ 0.33 · 0.41 · 0.58 · 0.84 · 1.37 mm · Viscosity · Viscoelastic properties: · Shear strength · Bondline gap · Max. allowable continuous temperature · Temperature range · Color: · Capillary characteristics: · Compensation of tension: · Impact resistant: · Suitable for use with activator: · Vibration absorbing: · Moisture resistance: · UVA curing:

Art. No.	Description
BO 5209319	Application Needle Set with Adaptor

▶ Needle Adaptor

Fits all Bohle UV adhesive bottles (except for 1 litre container)

ⓘ Viscosity · Viscoelastic properties: · Shear strength · Bondline gap · Max. allowable continuous temperature · Temperature range · Color: · Capillary characteristics: · Compensation of tension: · Impact resistant: · Suitable for use with activator: · Vibration absorbing: · Moisture resistance: · UVA curing: · Light curing:

Art. No.	Description
BO 5209320	Needle Adaptor

▶ Application Needles

For UV adhesives · for use with adaptor BO 52 093 20 only

ⓘ Viscosity · Viscoelastic properties: · Shear strength · Bondline gap · Max. allowable continuous temperature · Temperature range · Color: · Capillary characteristics: · Compensation of tension: · Impact resistant: · Suitable for use with activator: · Vibration absorbing: · Moisture resistance: · UVA curing: · Light curing:

Art. No.	Color · 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

Glass Bonding

▶ **Empty Bottle**

For UV adhesive

ⓘ bottle 0.2 lbs ~ 100 g

Art. No.	bottle
BO 5209318	0.2 lbs (100 g)
BO 5209338	Cap · white
BO 5209339	Cap · black

Metering System

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® Metering Device 900 E**

Suitable for both low and highly viscous liquids · adjustable dispensing intervals from 0.01 to 31 seconds · continuous switch and adjustable flow control · no dripping

Art. No.	Description
BO 5209380	Metering Device 900 E

Please note:
Spare parts available on request!

This set is comprised of the following articles:

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 5209399	Application Brush	1 pc.

Metric specifications are exact · inches are approximate

05 | Sealants and Silicone Adhesives

▶ Bohle Glass & Glazing Mildew Resistant Silicone

Meets Specifi cations: ASTM C 920, Type S, Grade NS, Class 25,Use NT, A, G and O **, Federal Specification TT-S-00230C, Type II,Class A. ** See recommended substrates in TDS· Mildew Resistant Silicone Sealant· Ideal for Showers and General Glazing Applications· Acetic Cure Silicone· Permanently Flexible with Long Life· UV Resistant· 10.1 fl oz. (300ml) cartridge· With long removable nozzle · Packaging unit 24 pcs

Art. No.	Color
BA GGS0001	clear
BA GGS0002	white

▶ Bohle Mildew Resistant Kitchen & Bath Silicone RTV 3500

Mildew resistant plumbing andconstruction silicone sealant · 100%acetoxy silicone sealant · permanentlyflexible, with long life · 10.3 fl oz (305ml) cartridgeMeets specifications:ASTM-C920- Type S,NS,Class 25; FDA 21 CFR, 177-2600; TT-S-001543A,TT-S- 00230C; USDA; UL – UL File No. (E163851); (E40195) (Type 5204);Certified to NSF/ANSI STD.51. Temperature use range: 62°F to 350° F

ⓘ Packaging unit 24 pcs

Art. No.	Color
BA 3500001	clear
BA 3500002	white

▶ Bohle Industrial High Performance Construction Silicone RTV 4500

100% acetoxy silicone sealant ·permanent flexibility · excellentweatherability with longlife · 10.3 fl oz (305 ml) cartridgesMeets specificationsFDA CFR, 177.2600; USDA Rating P-1 MIL-A-46106;ASTMC920– Type S, NS Class 25; TT-S-001543A (COM-NBS); TT-S- 0023OC(COM-NBS); UL- UL File No. (E163851); (E255646)(Type KEG 4200);Certified to NSF / ANSI STD.51.

ⓘ Packaging unit 24 pcs

Art. No.	Color
BA 4500001	clear
BA 4500002	white

▶ Bohle Neutral Cure Construction Silicone RTV 7500

Low odor · non-corrosive · 100% oximesilicone sealant · 50% joint movementcapacity · neutral cure · for vinyl windows· 10.3 fl oz (305 ml) cartridgesMeets specifications:ASTM-C920- Type S,NS,Class 25; MIL-A- 46106; TT-S-001543A, TTS-00230C; NSF 51 (Non Food Contact); UL – UL File No. (E163851);(E255646) (Type KEG 4500); AAMA 808 & 803 (Type 1); 802 (Type 1 & 2) Temperature use range: 62°F to 350° F

ⓘ Packaging unit 24 pcs

Art. No.	Color
BA 7500001	clear
BA 7500002	white

Glass Bonding

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▶ Aquafix Aquarium Silicone

For the construction of aquariums, all-glass constructions, underwater glazing - saltwater resistant - algae resistant - produces permanently elastic bonds - tested per DIN 32622 „Glass Aquariums" - 310 ml cartridge (approx 10.5 fl oz)

ⓘ Packaging unit 6 pcs

Art. No.
BO 5107920

▶ Gunther Seal-Kwik Mirror Edge Sealer

-Seals and Protects Mirror Edges from „Black Edge"   -Dries Clear   -Built-In Applicator   -4oz bottles (6 Bottles per box) Gunther Seal-Kwik has a safe, proven formula for protecting mirror edges from „black edge". Seal-Kwik goes on fast and easy with a sponge-dauber top, with no running, spilling or wasteful overspray. Seal-Kwik dries clear, and will not yellow or crack with age. Approximate coverage of a bottle is 20,000 linear inches (508 meters).

ⓘ Packaging unit 6 pcs

Art. No.
BO 693179Y

▶ Gunther Ultra/bond® Mirror Mastic

 - Fast Permanent Bond   - Will Compress to 1/32" for Mirror Overlays Can Build Up to 3/4" for Uneven Surfaces   - 10.1 Fluid Ounce Cartridges (24 tubes per box)Gunther Ultra/Bond Mirror Mastic is a high quality adhesive formulated to provide a strong, permanent bond between electro-copper-plated glass mirror and various substrates. It has been field and laboratory tested for compatibility with silver, copper and mirror paint backing.

Art. No.
BO 690605F

▶ Xtragrip™ Green

Bohle America introduces Xtragrip Green the most environmentally friendly Mirror Adhesive available!Xtragrip Green is an exclusive Bohle product for installing and fixing mirrors with outstanding features which include: - High tack and fast grab formula - Superior bonding strength - Adhesion to unprimed surfaces - Very high strength capability - The latest hybrid sealant technology - Solvent free, low VOC (59g/L), low odor, 100% solids environmentally friendly formula Xtragrip Green is a revolution in Mirror Adhesives and meets the most demanding environment compliance standards of any state while remaining cost effective. Moisture cure, high tensile strength 435 psi, shore A hardness 50, skin formation 5 min.

ⓘ Packaging unit 24 pcs

Art. No.	
BO 6002009	

Metric specifications are exact · inches are approximate

06 | 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 Fluorescent Lights

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 used 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 56" (1410mm) can be cured tension free by putting together several tube lamps.

Art. No.	Version
BO 5500381	Verifix® UVA-Star 500, 120 volts, 18 watts, working length 19-11/16" (500mm)
BO 5500382	Spare lamp for Verifix® UVA-Star 500
BO 5500383	Acrylic protective tube for Verifix® UVA-Star 500
BO 5500386	Verifix® UVA-Star 1110, 120 volts, 36 watts, working length 43-5/16" (1100mm)
BO 5500387	Spare lamp for Verifix® UVA-Star 1110
BO 5500388	Acrylic protective tube for Verifix® UVA-Star 1110
BO 5500391	Verifix® UVA-Star 1410, 120 volts, 58 watts, working length 55-1/2" (1410mm)
BO 5500392	Spare lamp for Verifix® UVA-Star 1410
BO 5500393	Acrylic protective tube for Verifix® UVA-Star 1410
BO 5500399	End Cap

Glass Bonding

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!

ⓘ 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
Charger
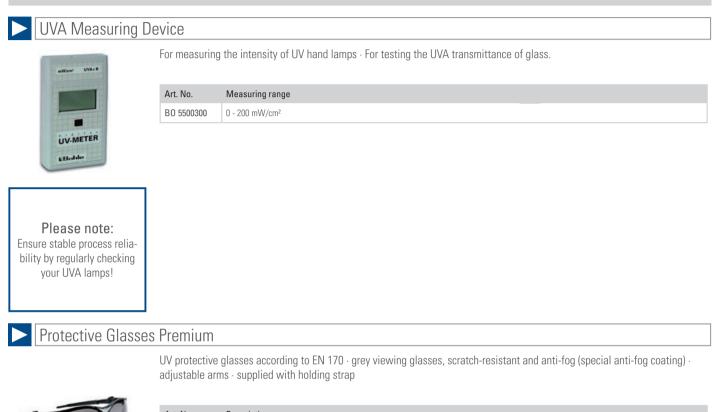
Art. No.	Description
BO 5500355	Verifix® Twin LED UV-LED Lamp
SP BT5559	Spare battery

Metric specifications are exact · inches are approximate

Accessories

▶ UVA Measuring Device

For measuring the intensity of UV hand lamps · For testing the UVA transmittance of glass.

Art. No.	Measuring range
BO 5500300	0 - 200 mW/cm²

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

Glass Bonding

Glass Bonding Kits

Bohle glass bonding kits offer complete basic equipment for the fixation and bonding of small to medium-sized glass parts. From beginner's to professional kits: quality tools and adhesives from Bohle as well as the right UVA lamp are always included. Clearly arranged and well protected in a sturdy carrying case, all the essentials that you need, like curing lamp, fixation aids, adhesives and accessories, are always right at hand. Also ideal for portable use.

▶ Professional Kit with VERIFIX® Fixation Devices and UV Lamp

Professional kit for UV bonding. Ideally suited for the construction of showcases and glass furniture.

Please note:
The required chemical products (cleaners, adhesives, etc.) have to be ordered separately. Call your Bohle representative for a special offer on these add-on products.

Art. No.	Version
BO 5500374	USA / Canada / Export version 110V

This set is comprised of the following articles:

BO 5141000	Glass scraper, metal	1 pc.
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 pc.
BO 5209308	Application Needle 1.37 mm ø · amber	2 pc.
BO 5209320	Needle Adaptor	2 pc.
BO 639.0	Verifix® Pro Angle Suction Holder	1 pc.
BO 636.0	Clamping device for 1/8 - 3/8" (3-10mm) glass	1 pc.
BO 636.1	Clamping device for 1/4 - 3/4" (6 - 19 mm) glass	1 pc.
BO 637.1	Eccentric Suction Stopper	4 pc.
BO 638.0	Verifix® Pump-activated Angle Suction Holder	2 pc.
BO 5007510	Dermatril Disposable Gloves	1 box
BO 5007613	Protective Glasses	1 pc.

Metric specifications are exact · inches are approximate

08 | 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 the 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 the turnover and guarantees 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

With the CRISTALLO FIX, Bohle has developed a hinge which allows glass doors tobe attached to glass cabinets by bonding and which can also be adjusted threedimensionally. The technically sophisticated product with an opening angle of 125°is equipped with a damper with spring closing mechanism and is equally suitablefor inset or overlay doors. Instead of a conventional cross plate mounting, this newproduct uses a cabinet bonding plate with snap-on function which was especiallydeveloped for this purpose. Adjustment dimensions: max. height ± 1/12" (2 mm),depth 1/8" (3 mm), width 1/6" (4 mm), continuously variable   new integrateddamping technology   bonding plates: large 1 1/10" x 3 1/2" x 5/8" (28 x 90 x16 mm), small 1 1/10" x 3 1/2" x 5/8" (28 x 60 x 16 mm)   load capacity 22 lb (10 kg)/pair   for 1/4" (6 mm) and 5/16" (8 mm) glass

ⓘ Mounting glass/glass · Opening angle 125° · Glass thickness 1/8 - 5/16 inch ~ 3 - 8 mm · For UV bonding

Included in delivery:
1x bonding plate
1x Hinge Arm
1x Damper
1x Bonding plate

Art. No.	Description · Packaging
BO 5206060	Cristallo Fix Hinge · 1 pcs

Glass Bonding

▶ Cristallo Fix Glass-to-Glass Hinge (Individual parts)

Art. No.	Version · Packaging · Length · Width · Finish
BO 5206061	bonding plate 3-9/16 x 1-1/8 (90 x 28 mm) · 1 pcs)
BO 5206064	Hinge Arm · 1 pcs
BO 5206065	Removable Cover Plate · 1 pcs
BO 5206066	Damper · 1 pcs
BO 5206051	Bonding plate2 3/8 inch () · 1 1/8 inch (1 pcs) · 60 mm) · 28 mm) · matt nickel-plated)
BO 5206052	Bonding Plate2 3/8 inch (· 1 1/8 inch (25 pcs · 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.
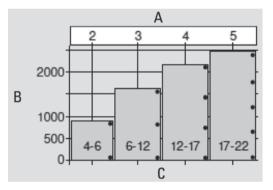
ⓘ Length 2-3/8 inch ~ 60 mm · Width 1-1/8 inch ~ 28 mm · Finish nickel-plated

Art. No.	Version · Packaging · Length · Width · Finish
BO 5206053	Bonding plate2-3/8 inch () · 1-1/8 inch (1 pcs) · 60 mm) · 28 mm) · zinc, nickel-plated)
BO 5206054	Bonding plate2-3/8 inch (· 1-1/8 inch (25 pcs · 60 mm) · 28 mm) · zinc, nickel-plated)

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

D	-4	-5,5	-5	-4,5	-4	-3,5	-3	0	-2	-1,5
A	0	0,5	1	1,5	2	2,5	3	3,5	4	4,5
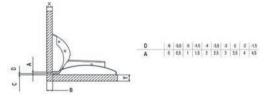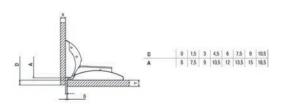
Cristallo Fix Dimensioning Table for Overlay Doors

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

D	0	1,5	3	4,5	6	7,5	9	10,5
A	6	7,5	9	10,5	12	13,5	15	16,5

Metric specifications are exact · inches are approximate

▶ Hinge

This polished aluminum hinge for flush mounted doors is suitable for all glass thicknesses.

ⓘ Shape flat · Maximum load capacity per pair 22 lbs ~ 10 kg · Packaging unit 2 pcs

Art. No.	Application
BO 5206265	right
BO 5206267	left

Please note:
To ensure a durable bond it is necessary to use Pyrosil® pre-treatment
BO 5209491 or metal primer
BO 5209488.

▶ Glass Door Hinge

Brass · shiny chrome-plated

ⓘ Swing range 270° · Door weight per pair 16.5 lbs ~ 7.5 kg · Packaging unit 1 pc

Art. No.	Description
BO 5200090	Glass Door Hinge

Please note:
To ensure a durable bond it is necessary to use Pyrosil® pre-treatment
BO 5209491 or metal primer
BO 5209488.

Glass Bonding

Drawings shown in millimeters

▶ 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

ⓘ For overlay doors · Glass thickness 1/4 - 9/16 inch ~ 6 - 15 mm · Opening angle 180° · Maximum load capacity per pair 66.14 lbs ~ 30 kg · Diameter 1-3/4 inch ~ 44 mm · Packaging unit 1 pc

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

ⓘ For overlay doors · Glass thickness 1/4 - 3/8 inch ~ 6 - 10 mm · Opening angle 180° · Maximum load capacity per pair 22 lbs ~ 10 kg · Diameter 15/16 inch ~ 24 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206252	Conus Hinge, Made of Stainless Steel

▶ Glass Door Hinge Verifix® Clix 90°

This hinge is a top quality stainless steel hinge for glass-to-glass mounting. This hinge is suitable for inset doors. It is adjustable in three dimensions and has a snap-on function for easy mounting and dismounting. It is equipped with a self-closing spring mechanism and is well suited for use with dampers BO 55 002 30/31 and BO 55 002 35/36.

· Please be aware when opening the door that it swings approx. 30 mm to the inside. Trim shelfs if necessary!

ⓘ Glass thickness 1/4 - 5/16 inch ~ 6 - 8 mm · Opening angle 90° · Maximum load capacity per pair 17.6 lbs ~ 8 kg · Packaging unit 1 pc

Art. No.	Description
BO 5206057	Glass Door Hinge

Metric specifications are exact · inches are approximate

▶ Glass Door Hinge Verifix® 90°

This attractive hinge with stainless steel bonding surfaces can be used for inset glass doors with two hinges.
It is equipped with a self-closing spring mechanism and is well suited for use with dampers BO 55 002 30/31 or BO 55 002 35/36. · Please be aware when opening the door that it swings approx. 30 mm to the inside. Trim shelfs if necessary!

ⓘ Glass thickness 1/4 - 5/16 inch ~ 6 - 8 mm · Opening angle 90° · Maximum load capacity per pair 17 lbs ~ 8 kg · Packaging unit 1 pc · For UV bonding

Art. No.	Description
BO 5206200	Glass Door Hinge

▶ Swing Hinge round

High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

ⓘ For inset doors · Diameter 13/16 inch ~ 20 mm · Height 3/4 inch ~ 18.5 mm · Glass thickness up to 1/2 inch ~ 12 mm · Door weight max 22 lbs ~ 10 kg · Packaging unit 2 pcs · For UV bonding

Art. No.	Description
BO 5206260	Swing Hinge Round

▶ Swing Hinge round

High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

ⓘ For inset doors · Diameter 1-3/16 inch ~ 30 mm · Height 15/16 inch ~ 24.5 mm · Glass thickness up to 1/2 inch ~ 12 mm · Door weight max. 44 lbs ~ 20 kg · Packaging unit 2 pcs

Art. No.	Description
BO 5206261	Swing Hinge Round

BO 5206261B

▶ Swing Hinge angular ☆

High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

ⓘ Shape angular · Mounting glass/glass · Edge length 13/16 inch ~ 20 mm · Door weight max 22 lbs ~ 10 kg · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5500281	Swing Hinge · angular

▶ Swing Hinge angular ☆

High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

ⓘ Shape angular · Mounting glass/glass · Edge length 1-3/16 inch ~ 30 mm · Door weight max 44 lbs ~ 20 kg · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5500283	Swing Hinge · angular
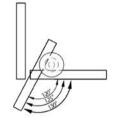
▶ Swing Hinge bonded inside ☆

High quality stainless steel hinge suitable for inset doors · after bonding the door cannot be removed again.

ⓘ For inset doors · Mounting glass/glass · Door weight 12 lbs ~ 5.5 kg · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5500285	Swing Hinge · bonded inside

Metric specifications are exact · inches are approximate

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 with Damping Mechanism or Cover Plate**

The Cristallo hinge in the glass/wood version can be combined with damper system or cover plate · new damper technology · for inset or overlay glass doors · snap on/off function · mounting plate for wood

ⓘ Adjustment dimensions max. height / depth / width ± 1/12 / 1/8 / 1/6 inch ~ ± 2 / 3 / 4 mm · Mounting Glass/Wood · Opening angle 125° · Load capacity see image (in kg) kg · For UV bonding

Included in delivery:
1x Cross mounting plate
1x Hinge Arm
1x Damper
1x Bonding plate

Art. No.	Version
BO 5206068	"Cristallo" Glass/Wood Hinge with Damping Mechanism

▶ **Cristallo Hinge (Individual Parts)**
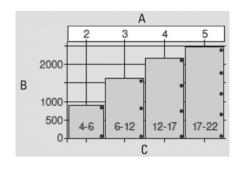
Art. No.	Version · Packaging · Length · Width · Finish
BO 5206063	Cross mounting plate
BO 5206064	Hinge Arm · 1 pcs
BO 5206065	Removable Cover Plate · 1 pcs
BO 5206066	Damper · 1 pcs
BO 5206051	Bonding plate · 1 pcs · 2 3/8 inch (60 mm) · 1-1/8 inch (28 mm) · matt nickel-plated
BO 5206053	Bonding plate · 1 pcs · 2-3/8 inch (60 mm) · 1-1/8 inch (28 mm) · zinc, nickel-plated
BO 5206052	Bonding Plate · 25 pcs · 2 3/8 inch (60 mm)· 1-1/8 inch (28 mm) · matt nickel-plated
BO 5206054	Bonding plate · 25 pcs · 2-3/8 inch (60 mm) · 1-1/8 inch (28 mm) · zinc, nickel-plated
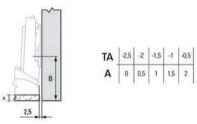
Weight Table · Hinges

A = Number of hinges
B = Front height (mm)
C = kg
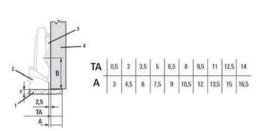
Cristallo Dimension Table for Inset Doors

TA = Distance door to body
A = Bonding dimensions
B = 38 + x

TA	-2,5	-2	-1,5	-1	-0,5
A	0	0,5	1	1,5	2

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

TA	0,5	2	3,5	5	6,5	8	9,5	11	12,5	14
A	3	4,5	6	7,5	9	10,5	12	13,5	15	16,5

Metric specifications are exact · inches are approximate

▶ Flat Hinge

This polished aluminum hinge for inset doors is suitable for all glass thicknesses.

ℹ️ For inset doors · Max. load per pair 22 lbs ~ 10 kg · Packaging unit 2 pcs · Material thickness 1/8 inch ~ 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	right
BO 5206268	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. It is suitable for inset doors. It is adjustable in three dimensions, has a snap-on function for easy mounting and dismounting and is equipped with a self-closing spring mechanism. · Please be aware when opening the door that it swings approx. 30 mm to the inside. Trim shelfs if necessary!

ℹ️ Glass thickness 1/4 - 5/16 inch ~ 6 - 8 mm · Max. load per pair 17 lbs ~ 8 kg · Packaging unit 1 pc

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-to-wood version · for inset doors · Please be aware when opening the door that it swings approx. 30 mm to the inside. Trim shelfs if necessary!

ℹ️ For inset doors · Glass thickness 1/4 - 5/16 inch ~ 6 - 8 mm · Max. load per pair 17 lbs ~ 8 kg · With Spring latch · Packaging unit 1 pc

Art. No.	Description
BO 5206055	Glass Door Hinge

Glass Bonding

▶ Swing Hinge round

Stainless steel · threaded pin in the hinge allows the door to be removed after bonding

ⓘ For inset doors · Height 3/4 inch ~ 18.5 mm · Max. load per pair 22 lbs ~ 10 kg ·
Glass thickness up to 1/2 inch ~ 12 mm · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5206262	Swing Hinge · round

▶ Swing Hinge round

Stainless steel · threaded pin in the hinge allows the door to be removed after bonding

ⓘ For inset doors · Height 15/16 inch ~ 24.5 mm · Glass thickness up to 1/2 inch ~ 12 mm · Max. load per pair 44 lbs ~ 20 kg · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5206263	Swing Hinge · round

▶ Swing Hinge angular ☆

High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

ⓘ For inset doors · Shape angular · Mounting glass/wood · Edge length 13/16 inch ~ 20 mm · Door weight per pair max. 22 lbs ~ 10 kg · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5500282	Swing Hinge · angular

▶ Swing Hinge angular ☆

High quality stainless steel hinge suitable for inset doors · a threaded pin in the hinge enables the door to be removed after bonding

ⓘ For inset doors · Shape angular · Mounting glass/wood · Edge length 1-3/16 inch ~ 30 mm · Door weight per pair max. 44 lbs ~ 20 kg · Packaging unit 2 pcs

Art. No.	Description · Version
BO 5500284	Swing Hinge · angular

Metric specifications are exact · inches are approximate

High quality stainless steel hinge suitable for inset doors · after bonding the door cannot be removed again.

ⓘ For inset doors · Mounting glass/wood · Door weight per pair max. 12 lbs ~ 5.5 kg · Packaging unit 2 pcs

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 ☆

For UV bonding · made of stainless steel · Can be retrofitted to finished objects or tempered glass door systems.

ⓘ Glass thickness 0.16 - 0.56 inch ~ 4 - 15 mm · Packaging 1 pcs

Art. No.	Description · Accessories
BO 5500225	Symo Lock, stainless steel, left side, for bonding on glass
BO 5500227	Symo Lock,stainless steel, right side, for bonding on glass
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

Glass Bonding

▶ Lock for Single Inset or Overlay Doors

For UV bonding · stainless steel · universal key · please indicate glass thickness when ordering

ⓘ Diameter 1-3/8 inch ~ 35 mm · Glass thickness 0.236 - 0.591 inch ~ 6 - 15 mm · Drill hole in glass 1 inch ~ ø 25 mm · Packaging unit 1 pc

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

ⓘ Diameter 1-3/8 inch ~ 35 mm · Drill hole in glass 1 inch ~ 25 mm ø · Glass thickness 1/4 - 9/16 inch ~ 6 - 15 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206242	Lock for Double Doors

▶ Lock for Single Inset Doors

For UV bonding · stainless steel · universal key · for showcases · suitable positioning aid BO 633.5 · finished constructions or tempered glass doors can also be retrofitted with this lock

ⓘ Height 1-9/16 inch ~ 39 mm · Glass thickness 1/4 - 1/2 inch ~ 6 - 12 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206281	Lock for Single Inset Doors

Metric specifications are exact · inches are approximate

▶ Lock for Single Overlay Doors

For UV bonding · stainless steel · universal key · for showcases · suitable positioning aid BO 633.5 · finished constructions or tempered glass doors can also be retrofitted with this lock

ⓘ Height 1-9/16 inch ~ 39 mm · Glass thickness 1/4 - 1/2 inch ~ 6 - 12 mm · Packaging unit 1 pc

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 · suitable positioning aid BO 633.5 · finished constructions or tempered glass doors can also be retrofitted with this lock

ⓘ Height 1-9/16 inch ~ 39 mm · Glass thickness 1/4 - 1/2 inch ~ 6 - 12 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206283	Lock for Double Doors

▶ Spare Key

For locks BO 5206281, BO 5206282 and BO 5206283, universal key

ⓘ Packaging 1 pcs

Art. No.	Description
BO 5206284	Spare Key

▶ Glass Door Lock Stainless steel ☆

For UV bonding

ⓘ Closing speed 180° · Drill hole in glass ø 25 mm · Material Lock nickel-plated · Packaging 1 pcs

Art. No.	Version
BO 5206374	universal key
BO 5206375	individual key
BO 5206376	Keep

Glass Bonding

Accessories

▶ **Bolt Lock Mechanism**

For UV bonding · stainless steel · to secure double doors

ⓘ Packaging unit 1 pc

Art. No.	Diameter · Total length
BO 5206258	3/8 inch (10 mm) · 1-15/16 inch (50 mm)
BO 5206259	13/16 inch (20 mm) · 2-11/16 inch (68 mm)

▶ **Magnetic Latch**

For UV bonding · stainless steel · for single doors · magnetic locking force 4.4 lbs (2 kg)

ⓘ Diameter magnetic plate 5/16 inch ~ 8 mm · Packaging unit 1 pc · Length 7/16 inch ~ 11 mm · Width 1/2 inch ~ 12 mm · Height 1/2 inch ~ 12 mm

Art. No.	Description
BO 5206254	Magnetic Latch

▶ **Magnetic Latch**

For UV bonding · stainless steel · for double doors · magnetic locking force 4.4 lbs (2 kg)

ⓘ Diameter magnetic plate 5/16 inch ~ 8 mm · Packaging unit 1 pc · Length 1-3/16 inch ~ 30 mm · Width 1/2 inch ~ 12 mm · Height 1/2 inch ~ 12 mm

Art. No.	Description
BO 5206255	Magnetic Latch

▶ **Magnetic Latch for Wooden Cabinets**

Includes screw and sleeve · magnetic locking force: 4.4 lbs (2 kg)

ⓘ Version for single doors · Diameter magnetic plate 5/16 inch ~ 8 mm · Material: stainless steel · Packaging unit 1 pc · Length 11/16 inch ~ 18 mm · Width 7/16 inch ~ 11 mm · Height 7/16 inch ~ 11 mm

Art. No.	Description
BO 5206294	Magnetic Latch for Wooden Cabinets

Metric specifications are exact · inches are approximate

► Magnetic Latch for Wooden Cabinets

Includes screw and sleeve · magnetic locking force: 4.4 lbs (2 kg)

ⓘ Version for double doors · Diameter magnetic plate 5/16 inch ~ 8 mm · Material: stainless steel · Packaging unit 1 pc · Length 1-3/16 inch ~ 30 mm · Width 1/2 inch ~ 12 mm · Height 1/2 inch ~ 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.

► Breakfast Bar Support

Vertical · can be screw fixed or UV bonded

ⓘ Diameter 1-15/16 inch ~ 50 mm · Height 7-7/8 inch ~ 200 mm · Maximum load capacity per piece 33 lbs ~ 15 kg · UV bonding plate 1-15/16 inch ~ 49.5 mm ø · Packaging unit 1 pc

Art. No.	Version
BO 5500130	chrome plated
BO 5500131	brushed stainless

► Showcase Foot

Ideal for showcases and TV furniture · sturdy construction · the perfect solution for precise adjustment of heavy glass furniture

ⓘ Height 1-9/16 inch ~ 40 mm · Diameter 2-3/8 inch ~ 60 mm · Height adjustable 3/8 inch ~ 10 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206157	Showcase 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

ⓘ Diameter 1-3/8 inch ~ 35 mm · Height 9/16 inch ~ 14 mm · Packaging unit 1 pc

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

ⓘ Maximum load capacity per piece 33 lbs ~ 15 kg · Packaging unit 12 pcs

Art. No.	Diameter · Height
BO 5200088	3/8" - 1/8"
BO 5200089	5/8" - 1/8"

▶ Castor Roller for Glass Furniture

Rollers made of black plastic · chrome-plated metal body · stainless steel bonding plate

ⓘ Diameter 1-15/16 inch ~ 49.5 mm · Thickness 1/2 inch ~ 12 mm · Roller diameter 1-7/16 inch ~ 37 mm · Max. load per piece 110.23 lbs ~ 50 kg · Thread M8 · Packaging unit 1 pc

Art. No.	Description
BO 5206181	Castor Roller for Glass Furniture

▶ Castor Roller for Glass Furniture with Locking Device

Smooth run due to elastic rollers · Stainless steel bonding plate

ⓘ Diameter 1-3/8 inch ~ 35 mm · Thickness 1/8 inch ~ 2.6 mm · Roller diameter 1-7/16 inch ~ 36 mm · Max. load per piece 66.14 lbs ~ 30 kg · Thread M8 · Packaging unit 1 pc

Art. No.	Description
BO 5206179	Castor Roller with Locking Device

Metric specifications are exact · inches are approximate

▶ Castor Roller for Glass Furniture without Locking Device

Smooth run due to elastic rollers · Stainless steel bonding plate

ⓘ Diameter 1-3/8 inch ~ 35 mm · Thickness 1/8 inch ~ 2.6 mm · Roller diameter
1-7/16 inch ~ 36 mm · Max. load per piece 66.14 lbs ~ 30 kg · Thread M8 · Packaging
unit 1 pc

Art. No.	Description
BO 5206180	Castor Roller for Glass Furniture

▶ Castor Roller for Glass Furniture with Locking Device

Smooth run due to elastic rollers · stainless steel bonding plate

ⓘ Diameter 1-3/8 inch ~ 35 mm · Thickness 3/16 inch ~ 4 mm · Roller diameter 1-7/16
inch ~ 37 mm · Max. load per piece 88.18 lbs ~ 40 kg · Thread M8 · Packaging unit 1 pc

Art. No.	Description
BO 5206153	Castor Roller with Locking Device

▶ Castor Roller for Glass Furniture without Locking Device

Smooth run due to elastic rollers · stainless steel bonding plate

ⓘ Diameter 1-3/8 inch ~ 35 mm · Thickness 3/16 inch ~ 4 mm · Roller diameter 1-7/16
inch ~ 37 mm · Max. load per piece 88.18 lbs ~ 40 kg · Thread M8 · Packaging unit 1 pc

Art. No.	Description
BO 5206154	Castor Roller for Glass Furniture without Locking Device

Glass Bonding

▶ 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 provides a long service life even if subject to permanently high loads. The bearings are completely made of stainless steel and can be bonded with Bohle UV adhesives. When mounting, please ensure that the load is centered evenly. · Stainless steel · especially smooth running due to needle or ball-bearing guides · turntable bearing has 3 x ø 1/4" (6mm) 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 1-3/16" (30mm)

ⓘ Glass diameter max. 31-1/2 inch ~ 800 mm · Max. load approx. 264 lbs ~ 120 kg · Packaging unit 1 pc

Art. No.	Diameter
BO 5206183	3-1/8 inch (80 mm)

▶ Table Leg · Stainless Steel

For UV bonding · removable bonding plate made of stainless steel · plastic foot · Note: Special lengths available on request.

ⓘ Diameter 2-3/8 inch ~ 60 mm · Height adjustment + 13/16 inch ~ 20 mm · Threaded pin M10 · Packaging unit 1 pc

Art. No.	Height · Height adjustment
BO 5206158	29-1/8 inch (740 mm) · + 13/16 inch (+ 20 mm)
BO 5206159	16-11/16 inch (424 mm) · + 13/16 inch (+ 20 mm)
BO 5206160	17-3/16 inch (690 mm) · + 13/16 inch (+ 20 mm)

▶ Table Leg · Stainless Steel

For UV bonding · Please order adaptor disc BO 5500109 separately.

ⓘ Height 27-15/16 inch ~ 710 mm · Diameter 3-1/8 inch ~ 80 mm · Height adjustment + 1-3/16 inch ~ 30 mm · Threaded pin M10 · Packaging unit 1 pc

Art. No.	Description
BO 5500104	Table Leg · Stainless Steel
BO 5500109	Adaptor Disc for Table Legs · Stainless Steel

Metric specifications are exact · inches are approximate

▶ Table Post · Stainless Steel

For UV bonding · incl. removable adaptor plate made of stainless steel · Base plates not included. Please order base plate BO 55 001 54 (ø 400 mm) or BO 55 001 55 (ø 500 mm) separately!

ⓘ Total height incl. base plate 18-1/2 inch ~ 470 mm · Diameter 2-3/8 inch ~ 60 mm · Thread M8 · Packaging unit 1 pc

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!

ⓘ Total height incl. base plate 27-3/16 inch ~ 690 mm · Diameter 3 inch ~ 76 mm · Thread M8 · Packaging unit 1 pc

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 55 001 54 (ø 400 mm) or BO 55 001 55 (ø 500 mm) separately!

ⓘ Total height incl. base plate 43-5/16 inch ~ 1100 mm · Diameter 3-15/16 inch ~ 100 mm · Thread M8 · Packaging unit 1 pc

Art. No.	Description
BO 5500159	Table Post · Stainless Steel

▶ Base Plate

Base Plate including stainless steel cover

ⓘ For table posts 2-3/8 / 3 / 3-15/16 inch ~ 60 / 76 / 100 mm ø · Packaging unit 1 pc

Art. No.	Diameter
BO 5500154	15-3/4 inch (400 mm)
BO 5500155	19-11/16 inch (500 mm)

Glass Bonding

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

ⓘ Diameter 2-9/16 inch ~ 65 mm · Thread M10 · For Table Leg 2-3/8 inch ~ 60 mm ø · Packaging unit 1 pc

Art. No.	Description
BO 5206184	Adaptor Disc for Table Legs

▶ Adaptor Disc for Table Legs

For UV bonding · made of stainless steel

ⓘ Diameter 3-3/8 inch ~ 85 mm · Thread M10 · For Table Leg 3-1/8 inch ~ 80 mm ø · Packaging unit 1 pc

Art. No.	Description
BO 5206186	Adaptor Disc for Table Legs

▶ Adaptor Disc for Table Legs

For UV bonding · made of stainless steel

ⓘ Diameter 2-9/16 inch ~ 65 mm · Thread M10 · For Table Leg 1-15/16 + 2-3/8 inch ~ 50 + 60 mm ø · Packaging unit 1 pc

Art. No.	Description
BO 5500107	Adaptor Disc for Table Legs

Metric specifications are exact · inches are approximate

▶ Adaptor Disc for Table Legs · Stainless Steel

For UV bonding

ⓘ Diameter 3-3/8 inch ~ 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

ⓘ Diameter 1-15/16 inch ~ 49.5 mm · Thread M8 · Height 1/2 inch ~ 12 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206182	Adaptor Disc · Stainless Steel

▶ Adaptor Disc · Stainless Steel

Suitable for different types of furniture rollers

ⓘ Diameter 1-3/8 inch ~ 35 mm · Thread M8 · Thickness 3/16 inch ~ 4 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206155	Adaptor Disc · Stainless Steel

Glass Bonding

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.

▶ 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

ⓘ Handle diameter 1/2 inch ~ 12 mm · Bonding spacers 13/16 inch ~ 20 mm ø · Packaging unit 1 pc · Material matt stainless steel

Art. No.	Handle length · C-C · Height
BO 5500241	8-11/16 inch (220 mm) · 6-5/16 inch (160 mm) · 1-9/16 inch (40 mm)
BO 5500242	15-3/4 inch (400 mm) · 13-3/8 inch (340 mm) · 1-9/16 inch (40 mm)
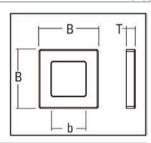
▶ Finger Pull Handle square for Bonding ☆

Made of stainless steel in modern design, ideal for retrofitting, no glass processing required. Please note: For double-sided use, please order 2 pieces, use appropriate UV adhesive. Recommendation: When bonding on tempered glass, pretreat the bonding surface with Pyrosil®.

ⓘ Version For UV bonding · Packaging unit 1 pc
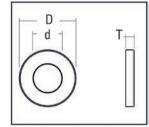
Art. No.	Finish · Depth · Diameter
BO 5113773	matt stainless steel · 1-3/8 inch (4 mm) · 1-1/16 inch (35 mm) · 3/16 inch (27 mm)

▶ 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, use appropriate UV adhesive. Recommendation: When bonding on tempered glass, pretreat the bonding surface with Pyrosil®.

ⓘ Version For UV bonding · Packaging unit 1 pc
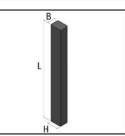
Art. No.	Finish · Depth · Diameter
BO 5113788	matt stainless steel · 1-3/8 inch (4 mm) · 1-1/16 inch (35 mm ø) · 3/16 inch (27 mm ø)

Metric specifications are exact · inches are approximate

▶ 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, use appropriate UV adhesive. Recommendation: When bonding on tempered glass, pretreat the bonding surface with Pyrosil®.

ⓘ Version For UV bonding · Material stainless steel · Packaging 1 pcs

Art. No.	Length · Width · Height · Finish
BO 5113729	5-7/8" - 1/2" - 11/16" satin
BO 5113730	5-7/8" - 1/2" - 11/16" mirror polished
BO 5113731	5-7/8" - 1/2" - 5/16" satin

▶ Doorknobs · Stainless Steel

ⓘ Diameter 5/8 inch ~ 16 mm · Length 13/16 inch ~ 20 mm · Packaging unit 2 pcs · For UV bonding

Art. No.	Description
BO 5206256	Doorknobs · Stainless Steel

▶ Doorknobs · Stainless Steel

With rubber rings

ⓘ Bonding surface 13/16 inch ~ 20 mm ø · Handle diameter 3/8 inch ~ 10 mm · Length 1 inch ~ 25 mm · Packaging unit 1 pc

Art. No.	Description
BO 5206170	Doorknobs · Stainless Steel

▶ Doorknobs · Stainless Steel

This doorknob is ideal for small glass objects.

ⓘ Diameter 3/8 inch ~ 10 mm · Length 5/8 inch ~ 16 mm · Packaging unit 2 pcs

Art. No.	Description
BO 5206257	Doorknobs · Stainless Steel

▶ Doorknob, mini, square,

This doorknob is ideal for small glass objects.

ⓘ Length 1-3/16 inch ~ 30 mm · Width 1/2 x 1/2 inch ~ 12 x 12 mm · Packaging unit 1 pc

Art. No.	Description
BO 5500245	Doorknob, mini, square,

▶ Adaptor for Doorknobs for UV Bonding

Stainless steel · to screw on door knobs · ideal to use on any individual doorknob · whether on wood, plastic or plexiglass · now every knob can be used

ⓘ Diameter 5/8 inch ~ 16 mm · Thread M4 · Packaging unit 4 pcs

Art. No.	Description
BO 5206169	Adaptor for Doorknobs for UV Bonding

Metric specifications are exact · inches are approximate

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 · adjustable · can be used as door stopper as well as shelf support · maximum load approx. 10 kg each · includes wood screw

ℹ ø 3/8 inch ~ 10 mm · Height approx. 1/2 inch ~ 12 mm · Material: stainless steel · Packaging unit 1 pc · For · Load capacity per 4 pieces 44 lbs ~ 20 kg

Art. No.	Description
BO 5206197	Glass Shelf Support / Door Stopper · Stainless Steel

▶ ## Glass Shelf Support · Stainless Steel

With rubber ring · not adjustable
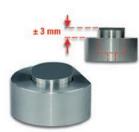
ℹ Diameter 13/16 inch ~ 20 mm · Thickness 1/4 inch ~ 7 mm · Max. load 88.18 lbs ~ 40 kg · Packaging unit 4 pcs

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 ring

ℹ Diameter 13/16 inch ~ 20 mm · Thickness approx. 3/8 inch ~ 10 mm · Max. load 66.14 lbs ~ 30 kg · Packaging unit 4 pcs

Art. No.	Description
BO 5206193	Glass Shelf Support · Stainless Steel

Glass Bonding

▶ Glass Shelf Support · Stainless Steel

With rubber ring · After bonding height adjustable by ±1 mm by turning an eccentric disc

ⓘ Diameter 13/16 inch ~ 20 mm · Thickness approx. 3/8 inch ~ 10 mm · Max. load 88.18 lbs ~ 40 kg · Packaging unit 4 pcs

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 3/8 inch ~ 10 mm · Thickness approx. 5/16 inch ~ 8 mm · Max. load 44 lbs ~ 20 kg · Packaging unit 4 pcs

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 3/8 inch ~ 10 mm · Height 5/16 inch ~ 8 mm · Max. load 44 lbs ~ 20 kg · Packaging unit 4 pcs

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

ⓘ Diameter 13/16 inch ~ 20 mm · Thickness 3/8 inch ~ 10 mm · Max. load 66.14 lbs ~ 30 kg · Packaging unit 4 pcs

Art. No.	Description
BO 5206191	Glass Shelf Support · Stainless Steel

Metric specifications are exact · inches are approximate

▶ Glass Shelf Support with Plastic Lining

For UV bonding · made of stainless steel

ⓘ Diameter 5/8 inch ~ 16 mm · Max. load 66 lbs ~ 30 kg · Packaging unit 4 pcs

Art. No.	Description
BO 5206198	Glass Shelf Support with Plastic Lining

▶ Glass Discs · Borosilicate Glass

Ground plane-parallel · center with laser mark · suitable as shelf support or furniture foot

ⓘ Thickness 3/8 inch ~ 10 mm · Max. load per 4 pieces 88 lbs ~ 40 kg · Packaging unit 20 pcs · For UV bonding

Art. No.	Description · Diameter
BO 5206190	Borosilicate Glass Glass · Discs 13/16 inch (20 mm)

▶ Borosilicate Glass Cubes, for UV Bonding

All sides polished · edges bevelled

ⓘ Packaging unit 4 pcs

Art. No.	Edge length · Load capacity
BO 5500030	9/16 inch (15 mm) · 33 lbs (15 kg)
BO 5500031	13/16 inch (20 mm) · 22 lbs (20 kg)
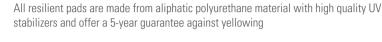
Glass Bonding

Bumper / Resilient Pads

Serve as feet and spacers · high slip and wear resistance · 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

▶ Bumper / Resilient Pads ø 5/16" (8mm)

All resilient pads are made from aliphatic polyurethane material with high quality UV stabilizers and offer a 5-year guarantee against yellowing

ℹ ø 15/16 inch ~ 8 mm · Height 1/16 inch ~ 2.2 mm · Color: clear transparent · Version self-adhesive · On sheets · Made in Germany

Art. No.	Packaging	
BO 5200172	bag of 480 pcs	
BO 5200182	box of 3360 pcs	

▶ Bumper / Resilient Pads ø 1/2" (12mm)

All resilient pads are made from aliphatic polyurethane material with high quality UV stabilizers and offer a 5-year guarantee against yellowing

ℹ ø 1/2 inch ~ 12 mm · Height 1/8 inch ~ 3.2 mm · Color: clear transparent · Version self-adhesive · On sheets · Made in Germany

Art. No.	Packaging	
BO 5200174	bag of 264 pcs	
BO 5200184	box of 3168 pcs	

Metric specifications are exact · inches are approximate

Mirror Fixing · Glass Hardware

The complete range of Interior Architectural Hardware is available in the Bohle Architectural Hardware Binder catalog. Request one from your Bohle representative today.

Mirror Fixing · Glass Hardware

Metric specifications are exact · inches are approximate

U-Channel Profiles

Do you want to partition an office or divide a room?

It doesn't matter whether it's big or small; there are many options with the 2-part u-channel for wall connection for fixed sidelights. Easy to install, the 2-part u-channel is a superior alternative to the standard glazing profile where the "lift & drop" installation method. All fixed lites are secured in place with transparent gasketing.

Quick, easy and elegant – it gives you the freedom to replan rooms with an individual and airy design.

▶ 2-Part Fixed Lite Glazing U-Channel

✔ No glass cut out required

✔ Easy mounting

✔ Different steps for glass thickness up to 7/8" (21.52 mm)

✔ Material aluminum

✔ Clear anodized (US28) and stainless steel effect (US32D)

✔ Length: 118 1/8" (3000 mm) / 196 7/8" (5000 mm)

✔ Pre-drilled

Packaging: 1 set (2 pc profile) · Fasteners provided by others
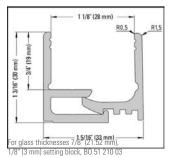
Art.No	Length · Surface
BO 5201750	118 1/8" (3000 mm), pre-drilled, alu, anod (US28)
BO 5201751	118 1/8" (3000 mm), pre-drilled, alu, stainless steel effect (US32D)
BO 5201752	196 7/8" (5000 mm), pre-drilled, alu, anod (US28)
BO 5201753	196 7/8" (5000 mm), pre-drilled, alu, stainless steel effect (US32D)

Packaging: 2 pcs.
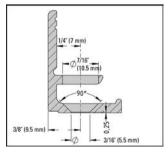
Art.No	Description · For · Finish · Length
BO 5201713	Gasket for 1/2" (12.7 mm) fully tempered monolithic glass and 9/16", 11/16" 7/8" fully tempered laminated safety glass, transparent, 2 pcs @ 196 7/8" (5000 mm)
BO 5201714	Gasket for 3/8" (10 mm) and 9/16" (15 mm) fully tempered monolithic glass, transparent, 2 pcs @ 196 7/8" (5000 mm)
BO 5201715	Gasket for 5/16" (8 - 8.76 mm) fully tempered monolithic and fully tempered laminated safety glass and , transparent, 2 pcs @ 196 7/8" (5000 mm)

For glass thicknesses 5/16" - 9/16" (8 - 12.76 mm), 1/8" (3 mm) setting block, BO 51 210 03

For glass thicknesses 9/16" (15 - 17.52 mm), 1/8" (3 mm) setting block, BO 51 210 03

For glass thicknesses 7/8" (21.52 mm), 1/8" (3 mm) setting block, BO 51 210 03

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, aluminum, 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 1/8" (3mm) · Color clear · Roll length 40ft (12m) · Max. allowable continuous temperature -40°C - +100 °C · Recommended: Please use the corresponding applicator to ensure simple and precise application on the glass edge.

Art. No.	Description · Width · Glass thickness
BO 5207938	Adhesive Bonding Tape · 1/4 inch (7 mm) · 3/8 inch (10 mm)
BO 5207935	Adhesive Bonding Tape · 3/8 inch (9 mm) · 1/2 inch (12-12.7 mm)
BO 5209630	Adhesive Bonding Tapes · 9/16 inch (14 mm) · 11/16 inch (17.52 mm)
BO 5207939N	Applicator · for glass 5/16" - 3/8" (8-10mm)
BO 5207946N	Applicator · for glass 3/8 -1/2" (10.76 - 12.76mm)

We recommend seaming tools BO 650.30 or BO 650.32 as auxiliary tools for joining the glass panes.

Metric specifications are exact · inches are approximate

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.

▶ Medium Gauge Aluminum J-Bar Deep Nose

Medium gauge aluminum J-Bar - 9/32" wide channel deep nose J moulding upper bar · To Ship via FEDEX or UPS please select Cut Service with your Bohle representative

ⓘ Deep nose 5/8"

Art. No.	Length · Finish
BA 75DSA8	8 ft (2400mm) · deluxe silver aluminum
BA 75DSA12	12 ft (3600mm) · deluxe silver aluminum
BA 75SA12	12 ft (3600mm) · satin anodized
BA 75MB12	12 ft (3600mm) · medium bronze
BA 75BKA12	12 ft (3600mm) · black anodized
BA 75BNA12	12 ft (3600mm) · brushed nickel anodized

▶ Medium Gauge Aluminum J-Bar Shallow Nose

Madium gauge aluminum J-Bar - 9/32" wide channel shallow nose J moulding lower bar · To Ship via FEDEX or UPS please select Cut Service with your Bohle representative

ⓘ Shallow nose 3/8"

Art. No.	Length · Finish
BA 74DSA8	8 ft (2400 mm) · deluxe silver aluminum
BA 74DSA12	12 ft (3600 mm) · deluxe silver aluminum
BA 74SA12	12 ft (3600 mm) · satin anodized
BA 74MB12	12 ft (3600 mm) · medium bronze
BA 74BNA12	12 ft (3600 mm) · brushed nickel anodized

▶ Corner Cap Molding

Heavy Gauge Inside / Outside CornerCap Molding 1/2" x 1/2"

ⓘ Finish deluxe silver aluminum · Length 12 ft ~ 3600 mm

Art. No.	
BA 96DSA12	

Mirror Fixing
Glass Hardware

▶ Corner Cap Molding

Heavy Gauge Inside / Outside CornerCap Molding 1/2" x 1/2"

ⓘ Length 3/4 x 3/4 inch ~ 19 x 19 mm

Art. No.	Length · Finish
BA 97DSA12	12 ft (3600 mm) · deluxe silver aluminum

▶ H Bar Divider Channel

ⓘ Finish deluxe silver aluminum · Length 12 ft ~ 3600 mm

Art. No.	
BA 61DSA12	

▶ Aluminum L Support Bars

Aluminum L Support Bars HeavyGauge 5/8" x 5/16"

Art. No.	Finish · Length
BA 273DSA1	deluxe silver aluminum · 12 ft (3600 mm)
BA 273BNA1	brushed nickel anodized · 12 ft (3600 mm)

▶ Aluminum L Support Bars

Aluminum L Support Bars HeavyGauge 1" x 1/4"

Art. No.	Finish · Length
BA 501DSA1	deluxe silver aluminum · 12 ft (3600 mm)
BA 501BNA1	brushed nickel anodized · 12 ft (3600 mm)

Metric specifications are exact · inches are approximate

Note on mounting the plates:

Clean the back of the mirror with a silicone-free glass cleaner - before bonding the surface must be clean, dry and grease-free, room temperature should be above 65°F (18°C) and the temperature of 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 4" (105mm). After 30 minutes resting time, press on the plates firmly once again, then the mirror can be mounted. Splinter protection 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 Euroklick Type 3 shims.

▶ Press button set SafecliX® 08

Press button set, for mirrors up to 8.6 sq ft. (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

ⓘ Mirror surface max. 8.6 sq ft. (0.8 m²) · Mirror glass thickness 1/4 inch ~ 6 mm

Included in delivery:
2x Lipped plates 4 x 4" (100 x 100 mm) with Xtramount® mirror adhesive tape
2x Eccentric Discs
2x Press buttons
2x Spacer
2x Countersunk and 2 buttonhead screws ø 4 x 2" (50 mm)
4x Plugs ø 6 x 1-7/16" (36 mm)

Art. No.	Description
BO 5208210	SafecliX® 08

Mirror Fixing
Glass Hardware

► Press button set SafecliX® 16

Press button set, for mirrors up to 17.5 sq ft (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

ⓘ Mirror surface max. 17.5 sq ft (1.6 m²) · Mirror glass thickness 1/4 inch ~ 6 mm

Included in delivery:
2x Lipped plates 8 x 4" (200 x 100 mm) with Xtramount® mirror adhesive tape
2x Eccentric Discs
2x Press buttons
2x Spacer
2x Countersunk and 2 buttonhead screws ø 4 x 2" (50 mm)
4x Plugs ø 6 x 1-7/16" (36 mm)

Art. No.	Description
BO 5208211	SafecliX® 16

► Press button set SafecliX® 26

Press button set, for mirrors up to 28 sq ft (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

ⓘ Mirror surface max. 28 sq ft (2.6 m²) · Mirror glass thickness 1/4 inch ~ 6 mm

Included in delivery:
3x Lipped plates 8 x 4" (200 x 100 mm) with Xtramount® mirror adhesive tape
3x Eccentric Discs
2x Press buttons
4x Spacer
3x Countersunk and 2 buttonhead screws ø 4 x 2" (50 mm)
5x Plugs ø 6 x 1-7/16" (36 mm)

Art. No.	Description
BO 5208212	SafecliX® 26

Metric specifications are exact · inches are approximate

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 Euroklick Type 3 shims.

▶ SafemaX® 08

Magnetic set, for mirrors up to 8.6 sq ft. (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

ⓘ Mirror surface max. 8.6 sq ft. (0.8 m²) · Mirror glass thickness 1/4 inch ~ 6 mm

Included in delivery:
2x Lipped plates 4 x 4" (100 x 100mm) with Xtramount® mirror adhesive tape
2x Metal plates 2-3/4" x 2-3/4" x 1/16" (70 x 70 x 1 mm) with Xtramount® mirror adhesive tape
2x Eccentric Discs
2x Magnets ø 1-3/4" (45 mm)
2x Spacer
4x Screws ø 4 x 50 mm
4x Plugs ø 6 x 1-7/16" (36 mm)

Art. No.	Description
BO 5208228	SafemaX® 08

▶ SafemaX® 16

Magnetic set, for mirrors up to 17.5 sq ft (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

ⓘ Mirror surface max. 17.5 sq ft (1.6 m²) · Mirror glass thickness 1/4 inch ~ 6 mm

Included in delivery:
2x Lipped plates 8 x 4" (200 x 100mm) with Xtramount® mirror adhesive tape
2x Metal plates 2-3/4" x 2-3/4" x 1/16" (70 x 70 x 1 mm) with Xtramount® mirror adhesive tape
2x Eccentric Discs
2x Magnets ø 1-3/4" (45 mm)
2x Spacer
4x Screws ø 4 x 50 mm
4x Plugs ø 6 x 1-7/16" (36 mm)

Art. No.	Description
BO 5208230	SafemaX® 16

▶ **SafemaX® 10-SK**

Magnetic set, for mirrors up to 10.76 sq ft (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

ⓘ Mirror surface max. 10.76 sq ft (1.0 m²) · Mirror glass thickness 1/4 inch ~ 6 mm

Included in delivery:
2x metal plates without ridge, 4" x 4" x 1/8" (100 x 100 x 2mm) with Xtramount® mirror adhesive tape
2x Metal plates with ridge 4" x 4" x 1/8" (100 x 100 x 2mm) with Xtramount® mirror adhesive tape
4x Magnets ø 1-3/4" (45 mm)
4x Countersunk screws ø 4 x 50 mm
4x Plugs ø 6 x 1-7/16" (36 mm)

Art. No.	Description
BO 5208240	SafemaX® 10-SK

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 1/4" (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).

▶ **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

ⓘ Finish galvanised · Packaging 10 pcs

Art. No.	Size · Version · Load*/ plate
BO 5208626	2-3/4 x 2-3/4 inch (70 x 70 mm) · self-adhesive· 6.6 lbs (3 kg)
BO 5208606	4 x 4" (100 x 100 mm) · self-adhesive · 13.2 lbs (6 kg)
BO 5208607	8 x 4" (200 x 100 mm) · self-adhesive · 26.4 lbs (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

ⓘ Finish galvanised · Packaging 10 pcs

Art. No.	Size · Version · Load*/ plate
BO 5208619	8 x 4" (200 x 100 mm) · self-adhesive · 26.4 lbs (12 kg)

Metric specifications are exact · inches are approximate

▶ Metal Plate

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

ⓘ Finish galvanised · Packaging 10 pcs

Art. No.	Size · Version · Load*/ plate
BO 5208629	7 x 7 x 1/16" (180 x 180 x 1mm) · self-adhesive · 39.6 lbs (18 kg)

▶ 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

ⓘ Finish galvanised · Packaging 10 pcs · Material thickness 1/16 inch ~ 0.8 mm

Art. No.	Size · Version · Load*/ plate
BO 5208620	4 x 4" (100 x 100 mm) · uncoated
BO 5208612	4 x 4" (100 x 100 mm) · self-adhesive · 13.2 lbs (6 kg)
BO 5208621	8 x 4" (200 x 100 mm) · uncoated
BO 5208613	8 x 4" (200 x 100 mm) · self-adhesive · 26.4 lbs (12 kg)

▶ 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

ⓘ Plate thickness 1/16 inch ~ 2 mm · Finish galvanised · Packaging 10 pcs

Art. No.	Size · Version · Load*/ plate
BO 5208608	2-3/4 x 2-3/4 inch (70 x 70 mm) · self-adhesive · 6.6 lbs (3 kg)
BO 5208625	4 x 4" (100 x 100 mm) · self-adhesive · 8.8 lbs (4 kg)

▶ Mirrabak - Mirror Safety Backing

Category II Mirror Backing Safety Film - shatterproof mirror backing film to keep broken mirrors in place and prevent injury. Easy to apply and ready to use. Please choose your desired size and length.
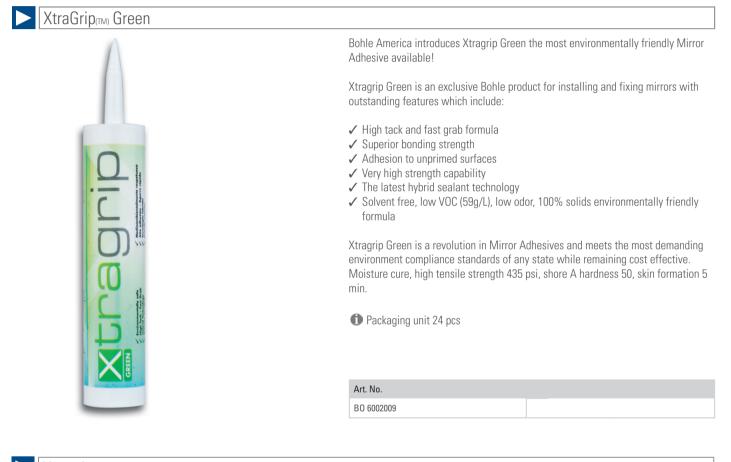
Art. No.	Width · Length
BO 6002549	24" x 600ft
BO 6002590	36" x 600ft
BO 6002591	48" x 600ft

▶ 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 load capacities and mounting of metal plates").

ⓘ Diameter 1-3/4 inch ~ 45 mm · Height 1/2 inch ~ 12.3 mm · Bore hole ø 5 mm · 8.8 lbs ~ 4 kg · 22 lbs ~ 10 kg · Packaging 10 pcs

Art. No.	Description
BO 5208601	Mirror Magnet

▶ Eccentric Discs with Scale

ⓘ Diameter 1-7/16 inch ~ 37 mm · Height 1/2 inch ~ 12 mm · Packaging 10 pcs

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

ⓘ Diameter 2 inch ~ 50 mm · Height 1/2 inch ~ 13 mm · Packaging 10 pcs

Art. No.	Description
BO 5208611	Press Button

▶ Spacer

Self-adhesive coating on one side · prevents deflection of large mirrors

ⓘ Size 13/16 x 13/16 x 1/2 inch ~ 20 x 20 x 13 mm · Material High strength rigid foam · Packaging 1 pc

Art. No.	Description
BO 5208600	Spacer

Metric specifications are exact · inches are approximate

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.

▶ XtraGrip(TM) Green

Bohle America introduces Xtragrip Green the most environmentally friendly Mirror Adhesive available!

Xtragrip Green is an exclusive Bohle product for installing and fixing mirrors with outstanding features which include:

✓ High tack and fast grab formula
✓ Superior bonding strength
✓ Adhesion to unprimed surfaces
✓ Very high strength capability
✓ The latest hybrid sealant technology
✓ Solvent free, low VOC (59g/L), low odor, 100% solids environmentally friendly formula

Xtragrip Green is a revolution in Mirror Adhesives and meets the most demanding environment compliance standards of any state while remaining cost effective. Moisture cure, high tensile strength 435 psi, shore A hardness 50, skin formation 5 min.

ⓘ Packaging unit 24 pcs

Art. No.	
BO 6002009	

▶ Xtraprime

Improves the adhesive capacity of XtraGrip TM Green 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 useProcessing temperature +5°C to +25°C. The subsurface 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 subsurface 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 subsurface.

Art. No.	Contents
BO 6002006	16.9 fl. oz. (500 ml)

▶ Gunther Ultra/bond® Mirror Mastic   ⚠

Fast Permanent Bond - Will Compress to 1/32" for Mirror Overlays Can Build Up to 3/4" for Uneven Surfaces - 10.1 Fluid Ounce Cartridges (24 tubes per box)Gunther Ultra/Bond Mirror Mastic is a high quality adhesive formulated to provide a strong, permanent bond between electro-copper-plated glass mirror and various substrates. It has been field and laboratory tested for compatibility with silver, copper and mirror paint backing.

Art. No.	Packaging unit
BO 690605F	24 pcs

▶ Mirror Adhesive Tape Xtramount®

More security for your mirrors is hardly possible. 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 - High adhesive strength right from the start - 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 5207770	3/4 inch (19 mm) · 1/32 inch (0.8 mm) · 196-7/8" (5000mm)
BO 5207775	3/4 inch (19 mm) · 1/16 inch (1.6 mm) · 196-7/8" (5000mm)
BO 5207780	1 inch (25 mm) · 1/32 inch (0.8 mm) · 196-7/8" (5000mm)
BO 5207785	1 inch (25 mm) · 1/16 inch (1.6 mm) · 196-7/8" (5000mm)
BO 5207776	3/4 inch (19 mm) · 1/16 inch (1.6 mm) · 984" (25000mm)
BO 5207786	1 inch (25 mm) · 1/16 inch (1.6 mm) · 984" (25000mm)

Please note:
The back of the mirror and the concealed mirror rails must be clean, dry and grease-free. Xtramount® must be applied to the concealed mirror rails without trapping air bubbles and then pressed on firmly. Next, the protective film of 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.

Mounting Instructions for Xtramount®

The back of the mirror and the concealed mirror rails must be clean, dry and grease-free. Xtramount® must be applied to the concealed mirror rails without trapping air bubbles and then pressed on firmly. Next, the protective film of 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.

▶ Double Face Mirror Mounting Tape - Black
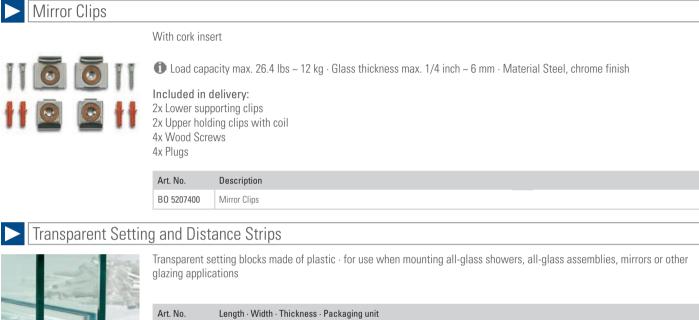
An enviromentally safe, fully cured product to mount mirrors on various surfaces, attach bevelled strips and as a gasket for glass furniture - foam tapes can also be used as a shim to avoid uneven reflection lines for decorative mirror installations - the products are chemically compatible with all coatings and will not cause ghosting - black foam hides lines between edges on bevelled strips - Sold per roll

Art. No.	Size
BA 9223BK	1/2" x 1/32" x 216'
BA 9226BK	1/16" x 1/2" x 108'
BA 9226BK1	3/4" x 1/13" x 108'

Metric specifications are exact · inches are approximate
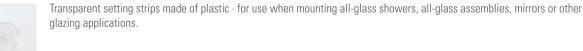
Mirror Profiles, Mirror Clips and Mirror Screws

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 Clips

With cork insert

ⓘ Load capacity max. 26.4 lbs ~ 12 kg · Glass thickness max. 1/4 inch ~ 6 mm · Material Steel, chrome finish

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

▶ Transparent Setting and Distance Strips

Transparent setting blocks 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
BO 5121001	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/16 inch (1 mm) · 100 pcs
BO 5121002	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/16 inch (2 mm) · 100 pcs
BO 5121003	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/8 inch (3 mm) · 100 pcs
BO 5121004	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 3/16 inch (4 mm) · 100 pcs
BO 5121005	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 3/16 inch (5 mm) · 100 pcs
BO 5121006	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 1/4 inch (6 mm) · 100 pcs
BO 5121008	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 5/16 inch (8 mm) · 100 pcs
BO 5121010	1-15/16 inch (50 mm) · 1/4 inch (6 mm) · 3/8 inch (10 mm) · 100 pcs

▶ 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
BO 5121002R	16 - 4-7/8 inch (5 m) · 1/4 inch (6 mm) · 1/16 inch (2 mm)
BO 5121003R	16 - 4-7/8 inch (5 m) · 1/4 inch (6 mm) · 1/8 inch (3 mm)
BO 5121004R	16 - 4-7/8 inch (5 m) · 1/4 inch (6 mm) · 3/16 inch (4 mm)

Mirror Fixing
Glass Hardware

03 | Furniture Fittings
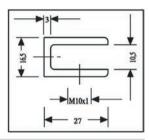
Showcase Shelf Supports without Drill Holes in the Glass

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.

▶ Glass Shelf Support

ⓘ Width Glass Shelf Support 1-3/16 inch ~ 30 mm · Glass thickness 1/4 - 3/8 inch ~ 6 - 10 mm · Projection maximum 6-5/16 inch ~ 160 mm · Width maximum 23-5/8 inch ~ 600 mm · Load capacity per pair max. 11 lbs ~ 5 kg · without Glass processing
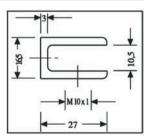
Art. No.	Finish
BO 5206900	Stainless steel V4A
BO 5206901	chrome plated
BO 5206904	brushed stainless
BO 5106911	matt nickel plated, brushed

▶ Glass Shelf Support

With steel fixing screw

ⓘ Width Glass Shelf Support 1-15/16 inch ~ 50 mm · Glass thickness 1/4 - 3/8 inch ~ 6 - 10 mm · Projection maximum 7-7/8 inch ~ 200 mm · Width maximum 23-5/8 inch ~ 600 mm · Load capacity per pair max. 11 lbs ~ 5 kg · Shape D-shaped · without Glass processing

Art. No.	Finish
BO 5207200	Stainless steel V4A
BO 5207201	chrome plated
BO 5207204	brushed stainless
BO 5107211	matt nickel plated, brushed

Drawings shown in millimeters

Metric specifications are exact · inches are approximate

▶ Glass Shelf Support

With steel fixing screw
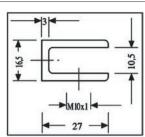
ⓘ Width Glass Shelf Support 3-15/16 inch ~ 100 mm · Glass thickness 1/4 - 3/8 inch ~ 6 - 10 mm · Projection maximum 7-7/8 inch ~ 200 mm · Width maximum 31-1/2 inch ~ 800 mm · Load capacity per pair max. 11 lbs ~ 5 kg
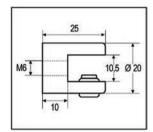
Art. No.	Finish
BO 5207000	Stainless steel V4A
BO 5207001	chrome plated
BO 5207004	brushed stainless

▶ Glass Shelf Support

With steel fixing screw

ⓘ ø 13/16 inch ~ 20 mm · Glass thickness 1/4 - 3/8 inch ~ 6 - 10 mm · Projection maximum 5-7/8 inch ~ 150 mm · Width maximum 23-5/8 inch ~ 600 mm · Load capacity per pair max. 11 lbs ~ 5 kg

Art. No.	Finish
BO 5207101	chrome plated
BO 5207104	brushed stainless
BO 5207105	Stainless steel V4A
BO 5207111	matt nickel plated, brushed

▶ Glass Shelf Support

with plastic fixing screw

ⓘ Finish chrome plated · Width Glass Shelf Support 2 inch ~ 50 mm · Glass thickness 5/16 - 3/8 inch ~ 8 - 10 mm · Projection maximum 7-7/8 inch ~ 200 mm · Width maximum 23-5/8 inch ~ 600 mm · Load capacity per pair max. 11 lbs ~ 5 kg

Art. No.
BO 5207321

Drawings shown in millimeters

▶ Glass Shelf Support

With steel fixing screw
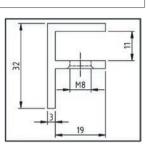
ⓘ Width Glass Shelf Support 7/8 inch ~ 23 mm · Glass thickness 5/16 - 3/8 inch ~ 8 - 10 mm · Projection maximum 5-7/8 inch ~ 150 mm · Width maximum 23-5/8 inch ~ 600 mm · Load capacity per pair max. 11 lbs ~ 5 kg
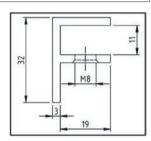
Art. No.	Finish
BO 5206912	Brass, chrome plated

▶ Glass Shelf Support

with 2 steel fixing screws

ⓘ Width Glass Shelf Support 1-3/4 inch ~ 45 mm · Glass thickness 5/16 - 3/8 inch ~ 8 - 10 mm · Projection maximum 5-7/8 inch ~ 150 mm · Width maximum 23-5/8 inch ~ 600 mm · Load capacity per pair max. 11 lbs ~ 5 kg

Art. No.	Finish
BO 5206914	Brass, chrome plated

▶ Glass Clip

Including wood screw

ⓘ Size 9/16 x 9/16 x 1/2 inch ~ 15 x 15 x 12 mm · Glass thickness 3/16 x 1/4 inch ~ 4 - 6 mm · Material: Brass, chrome plated · Load capacity per pair max. 11 lbs ~ 5 kg

Art. No.
BO 5200075

▶ Glass Clip

Including wood screw

ⓘ Size 9/16 x 9/16 x 9/16 inch ~ 15 x 15 x 15 mm · Glass thickness 3/16 x 5/16 inch ~ 4 - 8 mm · Material: Brass, chrome plated · Load capacity per pair max. 11 lbs ~ 5 kg

Art. No.	
BO 5200077	Glass Clip

Drawings shown in millimeters

Metric specifications are exact · inches are approximate

► Glass Clip

Including wood screw
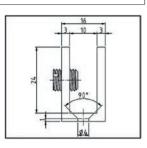
ⓘ Size 5/8 x 1-1/16 x 5/8 inch ~ 16 x 27 x 16 mm · Glass thickness 1/4 x 5/16 inch ~
6 - 8 mm · Material: Brass, chrome plated · Load capacity per pair max. 11 lbs ~ 5 kg

Art. No.
BO 5200072

Glass Clip

Including 2 wood screws

Size 25 x 27 x 16 mm · Glass thickness 6 - 8 mm · Material: Brass, chrome plated

Art. No.
BO 5200074

Glass Clip
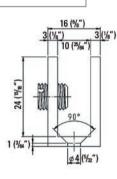
Including 2 wood screws

Size 50 x 27 x 16 mm · Glass thickness 6 - 8 mm · Material: Brass, chrome plated

Art. No.
BO 5200076

Drawings shown in millimeters

Glass Connectors requiring Drill Holes in the Glass

You will find more information and products in our Planning Manual.
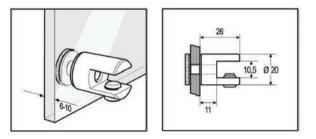
▶ Showcase Shelf Support · Chrome Plated

With steel fixing screw · with rubber shelf rest and set screw · 2 plastic washers and 1 plastic hose section

ⓘ Glass thickness 1/4 x 3/8 inch ~ 6 - 10 mm · Drill hole in glass ø 3/8 inch ~ ø 10 mm
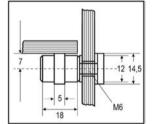
Art. No.	Version
BO 5200047	single-sided
BO 5200048	double-sided

▶ Showcase Shelf Supports

with rubber shelf rest and set screw · 2 plastic washers and 1 plastic hose section

ⓘ Glass thickness 1/4 x 5/16 inch ~ 6 - 8 mm · Drill hole in glass ø 5/16 inch ~ ø 8 mm

Art. No.	Version · Finish
BO 5200042	single-sided · brass, nickel plated
BO 5200044	double-sided · brass, nickel plated

Metric specifications are exact · inches are approximate

Point Fixings and Standoffs
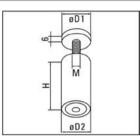
Name plates or guidance systems are found everywhere in our daily lives. In this chapter you will find a selection of sophisticated, high-quality stainless steel holders for name plates and guidance systems made of glass. This range is especially suitable for large interior installations. You will find 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 fixing screw BO 5211153

ⓘ Glass thickness 1/4 - 3/4 inch ~ 6 - 19 mm · Diameter of screw head max. 3/8 inch ~ 9 mm · Load capacity 11 lbs ~ 5 kg · Material brass · Finish polished chrome

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 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 5214025	24.7 / 24.7 / 8 / 80 mm
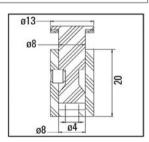
▶ Holder · Stainless Steel

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

ⓘ Head flat · ø 1/2 inch ~ 13 mm · Drill hole in glass ø 3/8 inch ~ ø 9 mm · Wall distance 13/16 inch ~ 20 mm · Glass thickness 3/16 - 5/16 inch ~ 5 - 8 mm · Packaging unit 4 pcs

Art. No.
BO 5206172

Drawings shown in millimeters

▶ 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
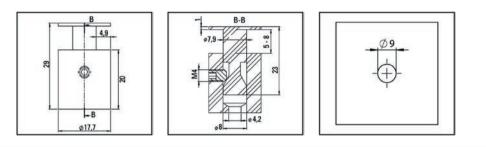
ⓘ Head flat · ø 11/16 inch ~ 18 mm · Drill hole in glass 3/8 inch ~ ø 9 mm · Wall distance 13/16 inch ~ 20 mm · Glass thickness 3/16 - 5/16 inch ~ 5 - 8 mm · Packaging unit 4 pcs

Art. No.	
BO 5206175	
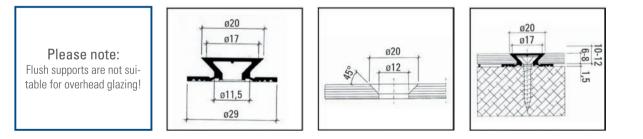
▶ GM PICO

For flush mounting of mirror or glass elements indoors · incl. nickel-plated cover cap (stainless steel look) · minimum 3/4" (20 mm) - tempered glass: 2 x glass thickness + 3/8" (10 mm) · Suitable fixing screw BO 5211153

ⓘ Load capacity per support 11 lbs ~ 5 kg

Art. No.	Panel thickness · Color
BO 5206010	1/4" - 5/16 inch (6-8 mm) · black
BO 5206011	1/4" - 5/16 inch (6-8 mm) · clear
BO 5206012	3/8 - 1/2 inch (10-12 mm) · black
BO 5206013	3/8 - 1/2 inch (10-12 mm) · clear
BO 5211153	Fixing Screws · 2 inch (50 mm)

Please note:
Flush supports are not suitable for overhead glazing!

Drawings shown in millimeters
Metric specifications are exact · inches are approximate
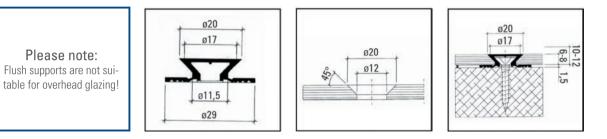
For flush mounting of mirror or glass elements indoors · minimum distance from glass edge to centre of drill hole: float glass and mirrors: minimum 3/4" (20 mm) - tempered glass: 2 x glass thickness + 3/8" (10 mm) · Suitable fixing screw BO 5211153 · incl. black cover cap · for interior applications

ⓘ Load capacity per support 5 kg

Art. No.	Panel thickness · Color
BO 5206015	1/4" - 5/16 inch (6-8 mm) · black
BO 5206016	1/4" - 5/16 inch (6-8 mm) · clear
BO 5206017	3/8 - 1/2 inch (10-12 mm) · black
BO 5206018	3/8 - 1/2 inch (10-12 mm) · clear

Please note:
Flush supports are not suitable for overhead glazing!

ø20
ø17
ø11,5
ø29

ø20
ø12
45°

ø20
ø17
10-12
6-8
1,5

FINCKENSTEIN | CRANTZ & PARTNER

Drawings shown in millimeters
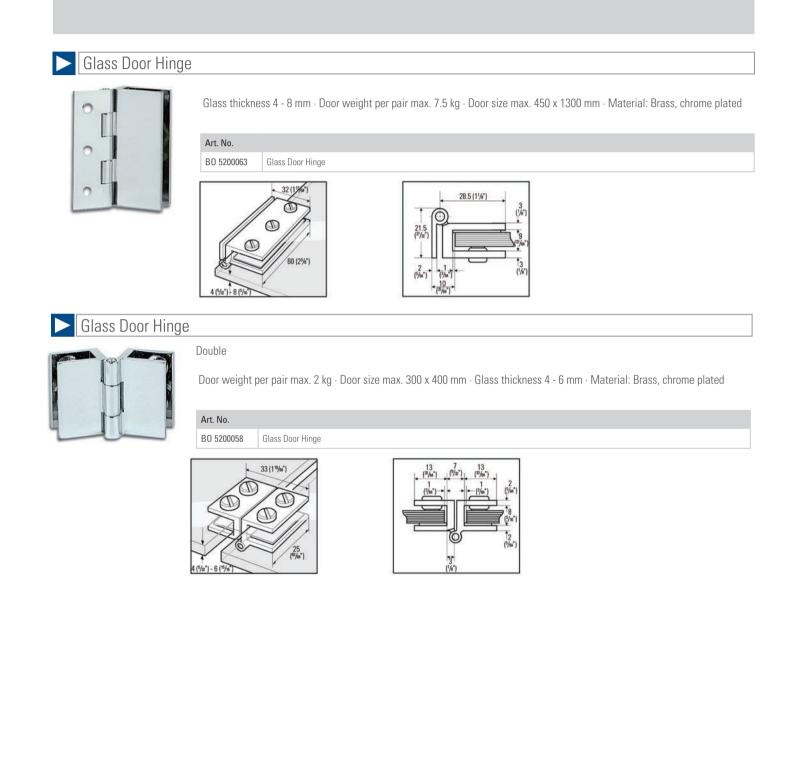
Glass Door Hinges without Drill Holes in the Glass

The important advantage of these hinges is the fact that no drills holes are required in the glass - they are quick to mount and easy to adjust.

▶ | Glass Door Hinge
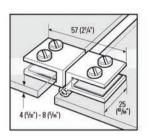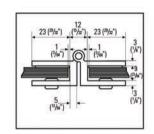
Glass thickness 4 - 8 mm · Door weight per pair max. 7.5 kg · Door size max. 450 x 1300 mm · Material: Brass, chrome plated

Art. No.	
BO 5200063	Glass Door Hinge

▶ | Glass Door Hinge

Double

Door weight per pair max. 2 kg · Door size max. 300 x 400 mm · Glass thickness 4 - 6 mm · Material: Brass, chrome plated

Art. No.	
BO 5200058	Glass Door Hinge

Metric specifications are exact · inches are approximate

► | Glass Door Hinge

Double

Door weight per pair max. 4 kg · Door size max. 400 x 600 mm · Glass thickness 4 - 8 mm · Material: Brass, chrome plated

Art. No.	
BO 5200055	Glass Door Hinge

► | Glass Door Hinge

Double
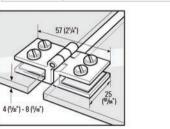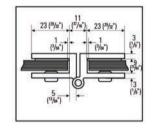
Door weight per pair max. 4 kg · Door size max. 400 x 600 mm · Glass thickness 4 - 8 mm · Material: Brass, chrome plated

Art. No.	
BO 5200057	Glass Door Hinge

► | Glass Door Hinge

Double
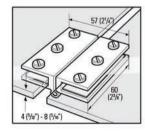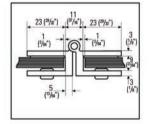
Door weight per pair max. 5 kg · Door size max. 400 x 1000 mm · Glass thickness 4 - 8 mm · Material: Brass, chrome plated

Art. No.	
BO 5200054	Glass Door Hinge
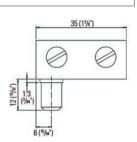
Mirror Fixing
Glass Hardware

► Hinged Clip for Glass Doors

For inset doors · to clamp glass panels · can be used on the right or left side · with bush made of brass

Door weight per pair max. 5 kg · Door size max. 400 x 600 mm · Size 35 x 15 mm · Glass thickness 4 - 6 mm · Material: Brass, chrome plated · Packaging unit 1 pair
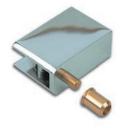
Art. No.	
BO 5200070	Hinged Clip for Glass Doors

► Hinged Clip for Glass Doors

For inset doors · to clamp glass panels · can be used on the right or left side · with bush made of brass

Door weight per pair max. 8 kg · Door size max. 500 x 800 mm · Size 40 x 27 mm · Glass thickness 6 - 8 mm · Material: Brass, chrome plated · Packaging unit 1 pair

Art. No.	
BO 5200073	Hinged Clip for Glass Doors

► Glass Door Hinge · inset · 74 x 42 mm (approx. 2 15/16" x 1 5/8")
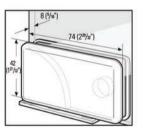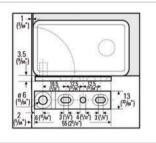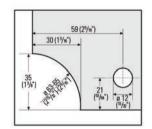
Made of aluminum bronze, chrome plated · for glass thickness 8 mm
(approx. 5/16") · can be used on the right or left side · maximum door weight: approx. 25 kg (approx. 55 lbs) · maximum door width 500 mm (app. 19.1/2") · mounting plate 3 mm (approx.1/8") · height deduction dimension 7 mm (app. 9/32")

Art. No.	
BO 5200052	Glass Doors Hinge
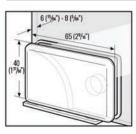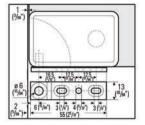
► Glass Door Hinge · inset · 65 x 40 mm (approx. 2 9/16" x 1 9/16")
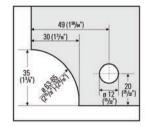
Made of aluminum bronze, chrome plated · for glass thicknesses 6 - 8 mm   (approx. 1/4" - 5/16") · can be used on the right or left side · maximum door weight: approx. 16 kg (approx. 35 lbs) · maximum door width 400 mm (approx. 15 3/4") · mounting plate 3 mm (approx. 1/8") · height deduction   dimension 7 mm (approx. 9/32")

Art. No.	
BO 5200053	Glass Doors Hinge

►

Metric specifications are exact · inches are approximate
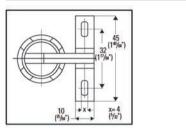
▶ Glass Door Hinge for Inset Doors

Glass fixed by groove nut with DIN 1810 hook spanner · self-equalising of glass thickness tolerances

Glass thickness 4 - 6 mm · Drill hole in glass 19 mm · Opening angle 105 ° · Height adjustment approx. 2 mm · Lateral adjustment approx. 2.5 mm · Finish Brass, chrome plated · With latching function

Art. No.	
BO 5205271	Glass Door Hinge
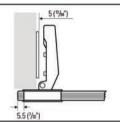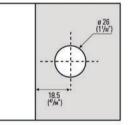
▶ Hinge Arms
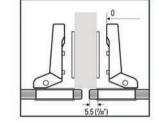
Hinge arm for glass doors · opening angle 95°· for 3/16" + 1/4" glass

Art. No.	Panel thickness · Color
BO 5203000	7/16" overlap
BO 5203001	5/16" overlap
BO 5203002	Insert

▶ Screw-on Wing Mounting Plate

Mounting plate for use with hinge arms

Art. No.	Panel thickness · Color
BO 5203012	7/16" overlap
BO 5203011	5/16" overlap
BO 5203010	Insert

► Cover Plates for Hinge Arms

Made of plastic · available D-shaped · 1-9/16" x 1 3/16" or round 1 3/16" diameter · for use with BO 5203000 - BO 5203002 hinge arms

Art. No.	Finish
BO 5203030	D-shaped/shiny gold
BO 5203031	D-shaped/shiny chrome
BO 5203032	D-shaped/black
BO 5203033	D-shaped/matt nickel
BO 5203020	Round/shiny gold
BO 5203021	Round/shiny chrome
BO 5203022	Round/black
BO 5203023	Round/matt nickel

► Cover for hinge arm

For use with BO 5203000 - BO 5203002 hinge arms · matt nickel

Art. No.	
BO 5203003	Cover for hinge arm

► Glass Door Hinge inset
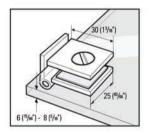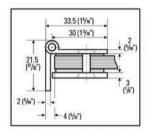
Single · with fixation plate and sleeve screw · 1 5/16" x 1" · brass, chrome plated · for glass thicknesses 1/4" + 5/16" · maximum door weight: 11 lbs per pair ·
maximum door size: 16" x 24" · drill hole in the glass: ø 7/16"
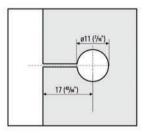
Art. No.	
BO 5200065	Glass Door Hinge

Metric specifications are exact · inches are approximate

▶ Glass Door Hinge for Inset Doors
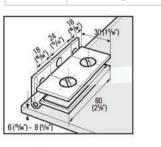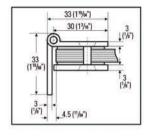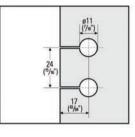
With fixing plate and 2 sleeve screws

Size 1-5/16 x 2-3/8 inch 33 x 60 mm · Glass thickness 1/4 - 5/16 inch 6 - 8 mm · Door weight per pair 22 lbs max. 10 kg · Door size 19-11/16 x 39-3/8 inch max. 500 x 1000 mm · Drill hole in glass ø 7/16 inch ø 11 mm · Material: Brass, chrome plated

Art. No.	
BO 5200069	Glass Door Hinge

▶ Glass Door Hinge for Inset Doors
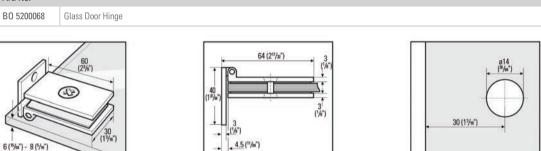
With fixing plate

Size 2-1/2 x 1-3/16 inch 64 x 30 mm · Glass thickness 1/4 - 5/16 inch 6 - 8 mm · Door weight per pair 33 lbs max. 15 kg · Door size 23-5/8 x 47-1/4 inch max. 600 x 1200 mm · Drill hole in glass ø 9/16 inch ø 14 mm · Material: Brass, chrome plated

Art. No.	
BO 5200068	Glass Door Hinge

▶ Glass Door Hinge 180°
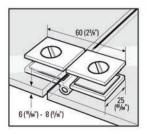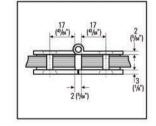
With fixing plate and 1 sleeve screw each
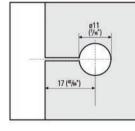
Size 2-3/8 x 1 inch 60 x 25 mm · Glass thickness 1/4 x 5/16 inch 6 - 8 mm · Door weight per pair 11 lbs max. 5 kg · Door size 15-3/4 x 23-5/8 inch max. 400 x 600 mm · Drill hole in glass ø 7/16 inch ø 11 mm · Material: Brass, chrome plated

Art. No.	
BO 5200062	Glass Door Hinge

Mirror Fixing
Glass Hardware

▶ Glass Door Hinge 90°
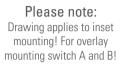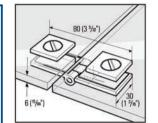
With 2 fixing plates and 1 sleeve screw each · for mounting doors at 90° to sidelight · A = door · B = sidelight · suitable for inset or overlay mounting · Suitable mounting plates enclosed for overlay doors.
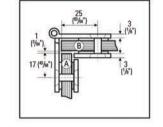
Glass thickness 1/4 inch 6 mm · Door weight per pair 11 lbs max. 5 kg · Door size 15-3/4 x 23-5/8 inch max. 400 x 600 mm · Material: Brass, chrome plated
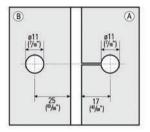
Art. No.	
BO 5200066	Glass Door Hinge

Please note:
Drawing applies to inset mounting! For overlay mounting switch A and B!

▶ Glass Door Hinge 180°
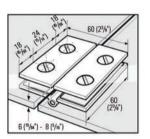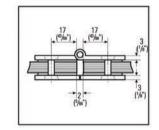
With 2 fixing plates and 2 sleeve screws each
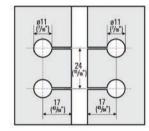
Glass thickness 1/4 - 5/16 inch 6 - 8 mm · Door weight per pair 22 lbs max. 10 kg · Door size 19-11/16 inch max. 500 x 1000 mm · Drill hole in glass ø 7/16 inch ø 11 mm · Material: Brass, chrome plated

Art. No.	
BO 5200067	Glass Door Hinge

▶ Glass Door Hinge 90°
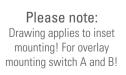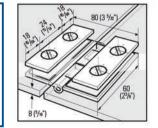
With fixing plate and 2 sleeve screws each · for mounting doors at 90° to the sidelight · A = door · B = sidelight · suitable for inset or overlay mounting
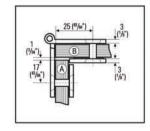
Glass thickness 1/4 + 5/16 inch 6 + 8 mm · Door weight per pair 22 lbs max. 10 kg · Door size 19-11/16 x 39-3/8 inch max. 500 x 1000 mm · Material: Brass, chrome plated
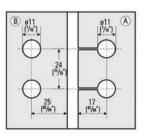
Art. No.	
BO 5200064	Glass Door Hinge

Please note:
Drawing applies to inset mounting! For overlay mounting switch A and B!

Metric specifications are exact · inches are approximate

Glass Door Locks without Drill Holes in the Glass
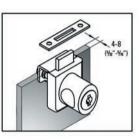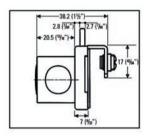
► Clamp-On Lock for Single Glass Doors

With 2 keys · 180° closing angle

Glass thickness 4 - 8 mm · Finish matt chrome-plated
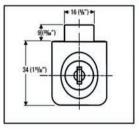
Art. No.	
BO 5206510	Glass Door Lock

► Clamp-On Lock for Double Glass Doors
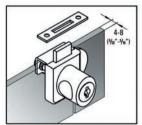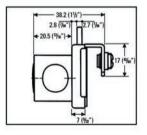
With 2 keys · 180° closing angle

Glass thickness 4 - 8 mm · Finish matt chrome-plated
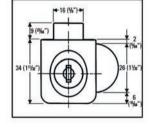
Art. No.	
BO 5206520	Glass Door Lock
BO 5206431	Spare Key
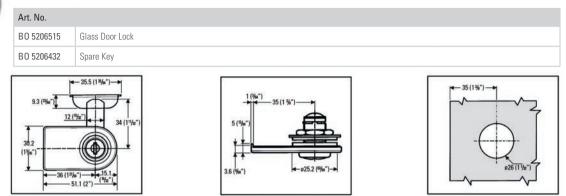
▶ Glass Door Lock with Closing Cylinder

With 2 keys · 180° closing angle · with lock bracket · model with individual keys available on request

Glass thickness 4 - 8 mm · Drill hole in glass ø 26 mm · Finish matt nickel-plated
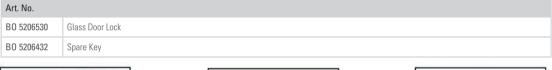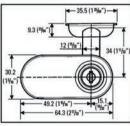
Art. No.	
BO 5206515	Glass Door Lock
BO 5206432	Spare Key

▶ Glass Door Lock with Strike Plate and Cylinder Lock

With 2 keys · 180° closing angle
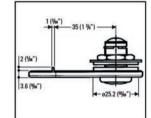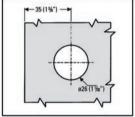
Glass thickness 4 - 8 mm · Finish matt nickel-plated · For single or double doors
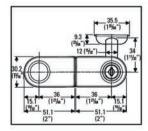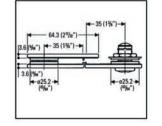
Art. No.	
BO 5206530	Glass Door Lock
BO 5206432	Spare Key

▶ Glass Door Lock with Strike Plate and Cylinder Lock

With 2 keys · 180° closing angle
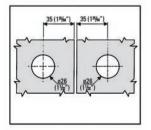
Glass thickness 4 - 8 mm · Drill hole in glass ø 26 mm · Finish matt nickel-plated · For double doors

Art. No.	
BO 5206525	Glass Door Lock
BO 5206432	Spare Key

Metric specifications are exact · inches are approximate
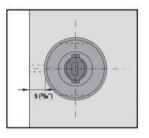
▶ Glass Door Cylinder Lock for Exchangeable Inner Cylinder
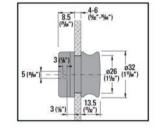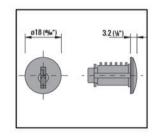
With integrated handle for exchangeable cylinders · key turns to the right · shiny nickel plated · complete with rubber washer and screws · individual key · exchangeable inner cylinder see BO 5206541 · master key version on request

Glass thickness 4 - 6 mm · Please note: BO 60HAX51S is required for disassembling or exchanging the cylinder.

Art. No.	Description
BO 5206540	Glass Door Cylinder Lock
BO 5206541	Exchangeable Inner Cylinder
BO 5206543	universal key
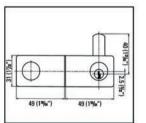
▶ Cylinder Lever Lock for Double Doors
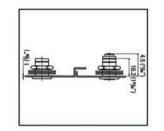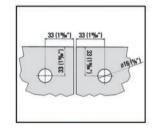
With 2 keys · with rosette · locking pin locks into the floor/ceiling · universal key · Spare Key BO 5206403

Closing speed 180 ° · Drill hole in glass ø 16 mm · Glass thickness 6 mm · Finish matt nickel-plated · Material: brass

Art. No.	
BO 5206501	Cylinder Lever Lock
BO 5206403	Spare Key

▶ Cylinder Lever Lock for Single Doors
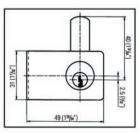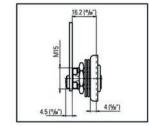
With 2 keys · with rosette · universal key
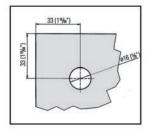
Glass thickness 8 mm · Closing speed 180 ° · Drill hole in glass ø 16 mm · Finish matt nickel-plated · Material: brass

Art. No.	
BO 5206401	Cylinder Lever Lock
BO 5206403	Spare Key

Mirror Fixing
Glass Hardware
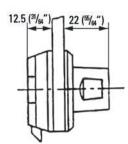
▶ | Glass Door Lock

With 2 keys · with closing bush · locking depth: 5 mm

Size 36 x 40 mm · Glass thickness 6 - 8 mm · Drill hole in glass ø 22 mm · edge of glass to middle of hole 22 mm ø · Finish chrome plated · Material: Zinc

Art. No.	Version
BO 5206309	universal key
BO 5206310	individual key

12.5 (^{31}/$_{64}$") 22 (^{55}/$_{64}$")
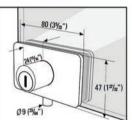
▶ | Glass Door Lock
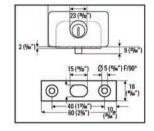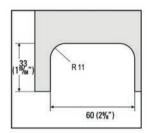
Universal key · with 3 keys · key can only be removed when the lock is locked

Glass thickness 6 - 8 mm · Material: zinc, chrome-plated · with Glass processing

Art. No.	
BO 5206311	Glass Door Lock

Metric specifications are exact · inches are approximate
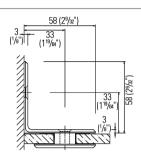
Glass Connectors and Holders

▶ Corner Clamp - Glass to Wall 90°

For vertical partition walls · made of zinc · for glass thicknesses 8 - 12 mm (approx. 5/16"
- 1/2") · dimensions 58 x 45 mm (approx. 2 1/4" x 1 3/4") · drill hole in glass ø 18 mm
(approx. 11/16")

Art. No.	
BO 5200095	Corner Clamp
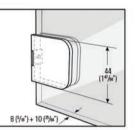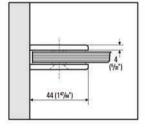
▶ Clamp - Glass to Wall 90°
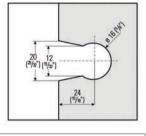
For vertical dividing walls · made of brass · for 8 or 10 mm glass (approx. 5/16" or 3/8") · dimensions 44 x 44 mm (approx. 1 3/4" x 1 3/4") ·
drill hole in glass: 16 mm (approx. 5/8")

Art. No.	
BO 5213606	Chrome plated

▶ Corner Clamp - Glass to Glass 90°
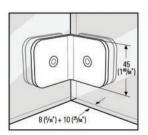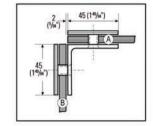
For vertical dividing walls · made of brass · for 8 or 10 mm glass (approx. 5/16"   or 3/8") · dimensions 45 x 45 mm
(approx. 1 3/4" x 1 3/4") · drill hole in glass: ø 16 mm (approx. 5/8")

Art. No.	
BO 5213622	Corner Clamp

Mirror Fixing
Glass Hardware

T +1 877 678 2021 (toll free) · F +1 877 678 2022 (toll free) · info@bohle-america.com · www.bohle-america.com   **Bohle** 325

Bumper / Resilient Pads

Serve as feet and spacers · high slip and wear resistance · 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
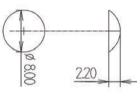
▶ Bumper / Resilient Pads ø 15/16" (8 mm)

All resilient pads are made from aliphatic polyurethane material with high quality UV stabilizers and offer a 5-year guarantee against yellowing

ⓘ ø 15/16 inch ~ 8 mm · Height 1/16 inch ~ 2.2 mm · Color: clear transparent · Version self-adhesive · On sheets · Description Made in Germany

ø 8.00 · 2.20

Art. No.	Packaging
BO 5200172	bag of 480 pcs
BO 5200182	box of 3360 pcs

▶ Bumper / Resilient Pads ø 1/2" (12 mm)

All resilient pads are made from aliphatic polyurethane material with high quality UV stabilizers and offer a 5-year guarantee against yellowing

ⓘ ø 1/2 inch ~ 12 mm · Height 1/8 inch ~ 3.2 mm · Color: clear transparent · Version self-adhesive · On sheets · Description Made in Germany

ø 10.00 · ø 12.00 · 3.20

Art. No.	Packaging
BO 5200174	bag of 264 pcs
BO 5200184	box of 3168 pcs

Drawings shown in millimeters

Metric specifications are exact · inches are approximate

▶ Toggler DryWall Expansion Anchor 100lbs capacity

ⓘ Wall thickness 3/8 - 5/8 inch ~ 9.5 - 15.8 mm

Art. No.	
BA 5207502	

▶ Professional Mounting Kit with Torque Wrench Proxxon ☆

Complete set for safe, professional mounting of hardware according to manufacturer´s instructions, in practical carrying case.

Included in delivery:
1x 1/4" torque wrench 6 - 30 Nm
1x 1/4" torque wrench 2 - 10 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.	
BO 5104734	

Fixing and anchor products for glass railings and bathroom hardware

You will find all relevant technical data in our Online Shop at www.bohle-group.com.

▶ High performance anchor FH II ☆

fischer

Conforms to ESR-2691 Testing certification for IBC (International Building Code): 2006 - 2009 - IRC (International ResidentialCode): 2006 - 2009

ⓘ Material steel · Packaging unit 25 pcs

Art. No.	Description · Finish · Length · Application
BO 5215231	(12/50 SK) · galvanized) · 4-15/16 inch (125 mm)
BO 5215232	(12/50 SK A4) · stainless · 4-1/8 inch (105 mm)

▶ High performance anchor FH II ☆

fischer

Conforms to ESR-2691 Testing certification for IBC (International Building Code): 2006 - 2009 - IRC (International ResidentialCode): 2006 - 2009

ⓘ Material steel · Packaging unit 25 pcs

Art. No.	Description · Finish · Length
BO 5215246	(12/15 SK) · galvanized · 3-9/16 inch (90 mm)
BO 5215247	(12/15 SK A4) · stainless · 3-9/16 inch (90 mm)

▶ Bolt anchor FAZ II ☆

fischer

Conforms to ESR-2691 Testing certification for IBC (International Building Code): 2006 - 2009 - IRC (International ResidentialCode): 2006 - 2009

ⓘ Material steel · Packaging unit 20 pcs

Art. No.	Description · Finish · Length
BO 5215223	(12/20) · galvanized (interior use) · 4-3/4 inch (120 mm)
BO 5211139	(12/20 A4) · stainless (exterior use) · 4-3/4 inch (120 mm)

▶ Toggler Self Drilling Drywall Anchor 135lbs capacity

ⓘ Wall thickness 3/8 - 5/8 inch ~ 9.5 - 15.8 mm

Art. No.	
BA 5207500	

Metric specifications are exact · inches are approximate

Conversion table

Millimeters to inches

1.5 mm	1/16"
2 mm	1/12"
2.5 mm	3/32"
3 mm	1/8"
4 mm	1/6"
5 mm	3/16"
6 mm	1/4"
7 mm	9/32"
8 mm	5/16"
9 mm	3/8"
10 mm	3/8"
11 mm	7/16"
12 mm	1/2"
14 mm	9/16"
15 mm	3/5"
16 mm	5/8"
18 mm	3/4"
19 mm	3/4"
20 mm	3/4"
25 mm	1"
28 mm	1 1/8"
30 mm	1 1/6"
32 mm	1 1/4"
35 mm	1 3/8"
36 mm	1 3/8"
38 mm	1 1/2"
40 mm	1 3/5"
45 mm	1 3/4"
50 mm	2"
55 mm	2 1/8"
60 mm	2 3/8"
65 mm	2 1/2"
68 mm	2 2/3"
70 mm	2 3/4"
80 mm	3 1/6"
85 mm	3 1/3"
90 mm	3 1/2"
95 mm	3 3/4"
100 mm	4"
120 mm	4 3/4"
150 mm	6"
175 mm	6 7/8"
180 mm	7"
200 mm	7 7/8"
240 mm	9 1/2"
350 mm	13 3/4"
400 mm	15 3/4"

Centimeters to inches

50 cm	19 2/3"
80 cm	31"
150 cm	59"
200 cm	79"
250 cm	98"
300 cm	118"
350 cm	138"
400 cm	157"

Milliliters to fluid oz

1 ml	1/30 fl. oz.
10 ml	1/3 fl. oz.
20 ml	2/3 fl. oz.
25 ml	5/6 fl. oz.
30 ml	1 fl. oz.
40 ml	1 1/3 fl. oz.
50 ml	1 2/3 fl. oz.
60 ml	2 fl. oz.
100 ml	3 1/2 fl. oz.
125 ml	4 fl. oz.
150 ml	5 fl. oz.
200 ml	6 2/3 fl. oz.
250 ml	8 1/2 fl. oz.
500 ml	17 fl. oz.
600 ml	20 fl. oz.
1000 ml	34 fl. oz.

Liters to gallons

1/4 l	3/50 gallons
1/2 l	1/10 gallons
1 l	1/4 gallons
2 l	1/2 gallons
5 l	1 1/3 gallons
10 l	2 2/3 gallons
20 l	5 1/3 gallons
30 l	8 gallons
50 l	13 gallons
100 l	27 gallons
200 l	53 gallons

Fluid oz to milliliters

1/30 fl. oz.	1 ml
1/3 fl. oz.	10 ml
2/3 fl. oz.	20 ml
5/6 fl. oz.	25 ml
1 fl. oz.	30 ml
1 1/3 fl. oz.	40 ml
1 2/3 fl. oz.	50 ml
2 fl. oz.	60 ml
3 1/2 fl. oz.	100 ml
4 fl. oz.	125 ml
5 fl. oz.	150 ml
6 2/3 fl. oz.	200 ml
8 1/2 fl. oz.	250 ml
17 fl. oz.	500 ml
20 fl. oz.	600 ml
34 fl. oz.	1000 ml

Gallons to liters

3/50 gallons	1/4 l
1/10 gallons	1/2 l
1/4 gallons	1 l
1/2 gallons	2 l
1 1/3 gallons	5 l
2 2/3 gallons	10 l
5 1/3 gallons	20 l
8 gallons	30 l
13 gallons	50 l
27 gallons	100 l
53 gallons	200 l

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Information

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U

V

W

X

In regard to this catalog

Order Form

Bohle

Sender	
Customer No.	
Contact Person	
Phone	
Fax	
E-Mail	

☐ Please send me new order forms

Order online under: www.bohle-america.com
Simply fax this page back: F +1 704 247 8420
                              F +1 877 678 2022 (toll free)
Or call us: T +1 704 247 8400
                              T +1 877 678 2021 (toll free)

We look forward to hearing from you!

A handling fee of $10.00 will be charged for orders under $25.00. All prices are net, ex-works and do not include delivery which is COD or will be added at cost. All orders are subject to our terms and conditions of sale. When you place orders with us, you agree to accept these terms. (See USA Sales Conditions on the back of this order form.)

Article Number	Quantity	Unit	Description	Unit Price $

Date, Signature

USA Sales Conditions

NOTICE: THIS TRANSACTION AND ALL DOCUMENTS PERTAINING TO IT, INCLUDING ANY QUOTATION, PROPOSAL, ORDER CONFIRMATION, ORDER ACCEPTANCE OR INVOICE (COLLECTIVELY, "SALES DOCUMENTS") IS SUBJECT TO AND CONDITIONED UPON BUYER'S ACCEPTANCE OF THESE TERMS AND CONDITIONS OF SALE ("**TERMS**") UNLESS OTHERWISE EXPRESSLY AGREED IN WRITING BY BOHLE AMERICA, INC. ("**SELLER**").

1. Order Process; Acceptance; Additional or Conflicting Terms.

a) All sales of tools, machinery and accessories for glass processing and glass finishing, or any other products sold by Seller (individually, "**Product**" and collectively, "**Products**") are contracts entered into in North Carolina and then only in accordance with Seller's Sales Documents and these Terms.

b) Seller shall sell Products to Buyer in the quantities and at the times agreed to by Seller in writing. Buyer may order Products by submitting written purchase orders (each, a "**Purchase Order**") that contain the Product(s), quantity per Product, and requested delivery date. Buyer is solely responsible for proper selection and application of the Products. Notwithstanding any requested delivery date by Buyer, the delivery date stated on Seller's order confirmation shall be the controlling delivery date. Seller will attempt to meet delivery date requests and, if in stock in its Charlotte facility, Seller typically is able to deliver Products within five business days from the date of order; provided, that any shipping or delivery schedule, quotation, forecast or commitment is only an estimate and Seller will not be liable for any delay or failure to deliver all or any part of any order for any reason. Any order cancellations or modifications shall be at the sole discretion of Seller.

c) Every contract between Buyer and Seller for the sale of Products shall be governed by the terms contained in Seller's written quotation, proposal, any subsequent order confirmation and these Terms (the "**Contract**"). Buyer may not cancel or change the Contract except with the prior written consent of Seller and upon terms that will indemnify Seller against any loss. Seller may change an order at any time to correct mathematical or clerical errors. The Contract supersedes any prior commercial documents issued by Seller. **Seller hereby objects to and rejects any additional or different terms or conditions proposed by Buyer or contained in any Purchase Order, commercial document or other correspondence from Buyer, regardless of any knowledge Seller may have of such terms, and such terms shall not bind Seller.** In no event shall Buyer's terms apply to, nor shall Buyer's proposed additional or different terms modify, the Contact unless Seller expressly includes the proposed terms in the Contract. If any of these Terms conflict with Seller's Sales Documents, the specific terms stated in those Sales Documents shall prevail over these Terms. The applicable terms of the latest Sales Documents shall control over such terms in any prior Sales Documents. No other terms or changes, modifications, amendments or waivers of any terms in the Contract shall apply to Seller unless in writing and signed by an authorized officer of Seller.

2. Prices; Payment.

a) All prices will be as specified by Seller in its commercial document or, if no price has been specified or quoted, will be Seller's price according to its catalogs or price lists in effect at the time of delivery. All prices published by Seller or quoted by Seller's representatives may be changed at any time without notice. Written quotations expire automatically 30 days from the date issued and are subject to change or termination without notice, prior to Buyer's acceptance. All prices are subject to adjustment on account of specifications, quantities, shipment arrangements or other terms or conditions which are not part of Seller's original price quotation. Any orders valued at less than $25 will include a minimum order handling charge.

b) The price does not include any sales, use, personal property, excise, transfer or other tax, duties or assessment related to the Products or their purchase and sale which may be imposed by any governmental authority, all of which shall be the obligation of, and paid by, Buyer. In the event shall Seller pays any such tax or assessment, Buyer shall reimburse Seller in accordance with the terms of Section 2(c). Buyer is responsible for obtaining and providing to Seller any certificate of exemption or similar document required to exempt any sale from sales, use or similar tax liability.

c) Seller shall invoice Buyer for amounts due when the order is shipped and Buyer shall pay Seller within 30 days of the invoice date. If Buyer fails to make any payments when due, interest shall accrue from the date the payment was due until payment is received in full at the lower of 1.5% per month or the maximum amount allowed by applicable law. Buyer shall pay Seller's reasonable attorneys' fees and other costs of collection of any past due amounts and Seller may, at its sole discretion, suspend its performance until all invoiced amounts are paid in full. Failure by Seller to charge interest on late payments or to exercise its right to suspend its performance shall not be construed as a waiver of any other legal or equitable remedies. Seller reserves the right to require payment for all orders by advance payment or C.O.D. for any Buyer that is a new customer, that fails to make any payment as and when due, that has had a payment declined or check returned for insufficient funds, or that Seller decides, in its sole discretion, warrants such payment terms.

3. Termination.

Without limiting Seller's other rights and remedies available under applicable law, Seller may suspend or terminate performance and delivery, if: (a) there is a change in the control or management of Buyer; (b) Buyer ceases to conduct its operation in the normal course of business; (c) Buyer becomes insolvent or files for bankruptcy or has a bankruptcy proceeding filed against it; (d) Buyer makes an assignment for the benefit of credits, or a receiver, trustee in bankruptcy or similar officer is appointed to take charge of all or part of Buyer's property; or (e) Buyer fails to perform or observe any of its obligations to Seller under the Sales Documents issued by Seller or under other existing or future contracts between Seller and Buyer or otherwise, including payment of any purchase price, fees or charges as and when due.

4. Delivery.

All deliveries of Products are Ex Works Seller's facility in Charlotte, North Carolina, unless otherwise stated in Seller's order confirmation. The prices do not include any transportation, packaging or installation costs. Seller may make partial deliveries. All delivery schedules or dates for Products are Seller's estimate only. The delivery date in Seller's order confirmation shall control. Seller shall not be liable to Buyer for any delay in performance or delivery. Seller shall not be responsible for any damage to the Products caused by a carrier and Buyer's sole recourse for such damage shall be against the carrier. If at any time Seller has any doubt as to Buyer's financial responsibility, Seller may decline to make further shipments except upon receipt of satisfactory security or cash before shipment. Seller reserves the right to substitute similar products of equal or better quality than the Products ordered if those Products ordered are no longer available, have been modified or a shortage of such Products exists.

5. Returns

Buyer may return the Products to Seller within 30 days after Buyer receives the Products; **provided**, that (a) Buyer shall obtain a return authorization number from Seller prior to returning any Product, (b) Buyer shall pay to have the Products shipped back to Seller, (c) Seller shall be subject to paying a restocking fee equal to the greater of 15% of the price of the Product or $10, and (d) the Products must be unused, undamaged and in the original packaging, such that Seller can re-sell the Products, which Seller shall determine in its sole discretion.

6. Limited Warranty.

a) Seller warrants to Buyer only that, for a period of six months from the date of delivery ("**Warranty Period**"), the Products will be free from defects in material and workmanship (the "**Limited Warranty**"). The Limited Warranty is limited to the Buyer only and is non-transferable. Buyer makes the decision on the selection and use of the Products and the Products' suitability for use.

b) EXCEPT FOR THE LIMITED WARRANTY EXPRESSLY PROVIDED IN SECTION 6(a) ABOVE, SELLER MAKES NO REPRESENTATIONS OR WARRANTIES REGARDING THE PRODUCTS AND SELLER DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESS AND IMPLIED, WRITTEN OR ORAL, WITH RESPECT TO THE PRODUCTS, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND INFRINGEMENT.

c) No dealers, distributor, sales representative, employee or any other person or entity is authorized to offer any different or additional warranties or remedies, or to change this Limited Warranty, without the signature of an authorized officer of Seller.

7. Limited Warranty Exclusions.

The Limited Warranty does not cover damage to Products caused (i) during or after delivery; (ii) by normal wear and tear; (iii) by use under circumstances exceeding Seller's specifications or limitations or contrary to any instructions or information contained in Seller's operating or maintenance manuals (as supplemented from time to time by Seller); (iv) by unauthorized or improper repair or alteration; (v) by non-original equipment manufacturer spare parts or components; (vi) by failure to provide reasonable and necessary maintenance; (vii) by improper storage; (viii) by corrosion, erosion, abrasion or similar causes; and (ix) by accidents.

8. Buyer's Limited Warranty Claims.

a) Buyer must use its best efforts to test the Products for any alleged non-conformities prior to the Products' use. The Limited Warranty is conditioned upon Buyer following the claims process then in effect, which Seller may change in its discretion.

b) Buyer shall give Seller written notice of any Products which Buyer alleges do not conform to the Limited Warranty, specifying the alleged non-conformities (each notice, a "**Warranty Claim**"). Buyer must obtain from Seller a return authorization number in order to make a Warranty Claim. Buyer must make any Warranty Claim within the Warranty Period and failure to make a Warranty Claim within the Warranty Period shall void the Limited Warranty. Buyer must return, at Seller's expense, any alleged non-conforming Product to Seller for Seller to verify the claimed defect and must include the return authorization number. Seller shall have a reasonable opportunity to inspect the product or part thereof to determine whether it complies with the Limited Warranty.

c) For any Products which Seller determines do not conform to the Limited Warranty, Seller's liability and obligation, and Buyer's sole and exclusive remedy, shall be, at Seller's choice, to either repair or replace non-conforming Products or to refund to Buyer the price Buyer paid for such non-conforming Products. Seller will pay the cost to ship the repaired Product or replacement product to the Buyer.

d) If the inspection of the product or part thereof does not disclose any failure to conform to the Limited Warranty, Seller will make repairs at a reasonable charge, which charges may include the cost of parts, labor and transportation, and the Buyer will be responsible for paying for all such charges and the cost to ship the product back to the Buyer.

9. Limitations.

a) SELLER'S MAXIMUM AGGREGATE LIABILITY UNDER THIS AGREEMENT OR WITH RESPECT TO THE PRODUCTS OR THEIR USE, WHETHER IN WARRANTY, CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE COMPENSATION BUYER PAID TO SELLER FOR THE PARTICULAR PRODUCTS AT ISSUE.

b) Buyer must bring any action for breach of warranty within the earlier of (a) one year of the claim or cause of action has accrued or (b) the period prescribed by applicable statutes of limitation or repose.

c) Seller's sole obligation and Buyer's sole remedy for any breach of warranty shall be as set forth in this Limited Warranty.

10. Exclusion of Certain Damages

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, INCLUDING LOST PROFITS, REGARDLESS OF THE THEORY OF RECOVERY, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

11. Indemnity.

Buyer agrees to indemnify, defend and hold harmless Seller, its officers, directors, its employees and agents from any and all claims, actions, suits, damages, liabilities, costs, obligations, and expenses (including, without limitation, attorneys' fees) arising from or relating to (i) selection, application, use or incorporation of Products, (ii) any processing or modification of Products in any manner by Buyer, its employees, agents or customers, (iii) use exceeding Seller's Product specifications, (iv) any breach of warranty or misrepresentation (express or implied) made by Buyer, its employees or agents, and (v) any violation of law or regulation by, intentional or negligent act of, or unauthorized representation by Buyer its employees or agents in their marketing activities, sales, distribution or handling of Products. At Seller's request, Buyer shall defend Seller, at Buyer's expense, against any such claim made against Seller.

12. Insurance.

Buyer shall maintain commercial general liability, personal injury and property damage insurance policies, including wrongful death coverage, in reasonable amounts with a nationally recognized insurance company.

13. No License

Buyer agrees and confirms that it has no intellectual property or similar rights in the Products, and Seller's sale of the Products shall not be construed as granting to Buyer any license or intellectual property or similar right applicable to or with the Products. Buyer may not alter or remove, and shall abide by, any patent, trademark, copyright, trade secrets, proprietary or other notices contained on or in the Products.

14. Confidential Information.

All confidential or proprietary information ("**Confidential Information**") provided by Seller to Buyer shall not be disclosed by Buyer to any person unless the disclosure is agreed to in writing by Seller or the Confidential Information is otherwise generally available to the public. Seller retains ownership and control over all intellectual property including patents, trademarks, and copyrights applicable to or arising out of the Products and services, as well as the exclusive right to manufacture the Products. No license is granted or implied by these Terms, and Buyer shall not name or designate any Seller product information or Products in any process patent application.

15. Security Agreement.

Buyer grants Seller a continuing purchase money security interest in all Products sold or delivered to it and to the proceeds of those Products (collectively, the "**Collateral**") to secure the full payment of the purchase price of the Products and all other obligations of Buyer. Buyer authorizes Seller to file all financing statements, continuation statements and other documents necessary or desirable to establish, perfect, maintain, preserve and enforce Seller's security interest in the Collateral.

16. Assignment.

Buyer may not assign all or any portion of its rights or obligations under this Agreement without Seller' prior written consent, and any attempted assignment without that consent shall be void.

17. Relationship.

Seller is an independent contractor. Nothing in this Agreement shall be construed as creating a partnership, association or joint venture between the parties. Buyer shall have no power or authority to enter into any commitment on behalf of or otherwise bind Buyer on any matter including making any representation or warranty on behalf of Buyer. No employee of either party shall be deemed to be an employee of the other party.

18. No Setoff.

Buyer shall not have any right of set-off with regard to any amounts owed to Seller, regardless of any dispute that may arise between the parties.

19. Limitation on Actions.

Any action or proceeding by Buyer arising out of or relating to this Agreement or the Products will be forever barred unless it is commenced within the earlier of: (a) one year after the claim or cause of action has accrued; or (b) the period prescribed by applicable statute of limitation or repose. Buyer must give Seller prompt written notice of any claim regarding this Agreement or the Products.

20. Force Majeure.

With the exception of payment requirements, neither party shall be liable, and performance shall be deemed extended, for delays or failure to perform directly or indirectly resulting from events and causes beyond its reasonable control, including but not limited to accidents, acts of God, acts and omissions of any governmental authority, declared or undeclared wars, terrorism, explosions, strikes or other labor disputes, fires and natural calamities (including floods, earthquakes, storms and epidemics), changes in the law, and delays in obtaining (or the inability to obtain) labor, materials or services through usual sources at normal prices. If Products or raw materials for producing Products are not available through Seller's usual sources at normal prices, Seller may allocate its supplies among its customers, including those not under contract, in any reasonable manner without liability. Seller shall have no obligation to purchase supplies of the Product to enable it to fulfill any order.

21. No Waiver.

Any failure by Seller to exercise any of its rights under these Terms or any Sales Documents shall not be construed as a waiver of such rights.

22. Severability.

In the event any of the provisions of these Terms of any Sales Documents are held to be invalid by any court of competent jurisdiction, such provision(s) shall be deemed to be severable and these Terms and any Sales Documents shall then be construed and enforced in accordance with the remaining.

23. Choice of Law; Venue.

This transaction and any controversy arising from or relating to the transaction or the Products shall be governed by the laws of the State of North Carolina, excluding its conflicts of law principles and this Contract shall not be governed by the provisions of the 1980 United Nations Convention on the International Sale of Goods ("**UNCISG**") which is expressly excluded. The parties agree that the North Carolina State Courts and the United States District Court for the Western District of North Carolina, shall constitute the sole and exclusive judicial forum(s) and venue and, therefore, shall have sole and exclusive jurisdiction over the adjudication and resolution of any and all disputes or controversies arising out of or relating to this Contract or the purchase and sale of Products; except (i) with respect to any action instituted by Seller for equitable or comparable relief including an action for temporary or permanent injunctive relief, (ii) for an action instituted by Seller for recovery of possession of the Products, such as replevin, claim and delivery, attachment or the like or (iii) for Seller's claim or action to collect any amounts owed by Buyer pursuant to this Contract. Buyer and Seller hereby consent and submit to the exercise of personal jurisdiction over them by the North Carolina State Courts and United States District Court for the Western District of North Carolina.

24. Entire Agreement.

The Contract contains the entire agreement of the parties relating to the subject matter and supersedes all previous and contemporaneous agreements, understandings, usages of trade and courses of dealing, whether written or oral.

Application for Credit

Name/Address

Name of Business, and DBA, if used ("Company"):	Tax I.D. Number
Representative:	Title
Address:	
City: State: ZIP: Phone:	

Company Information

Type of Business:	In Business Since:	State of Incorporation/ Formation:

Legal Form Under Which Business Operates:

☐ LLC   ☐ Corporation   ☐ Partnership   ☐ Proprietorship

If Division/Subsidiary, Name of Parent Company:	In Business Since:
Name of Company Principal Responsible for Business Transactions:	Title:
Address: City: State: ZIP: Phone:	
Name of Company Principal Responsible for Business Transactions:	Title:
Address: City: State: ZIP: Phone:	

Bank References

Institution Name:	Institution Name:	Institution Name:	
Checking Account #:	Savings Account #:	Loan:	Loan Balance:
Address:	Address:	Address:	
Phone:	Phone:	Phone:	

Application for Credit

Trade References

Company Name:	Company Name:	Company Name:
Contact Name:	Contact Name:	Contact Name:
Address:	Address:	Address:
Phone:	Phone:	Phone:
Account Opened Since:	Account Opened Since:	Account Opened Since:
Credit Limit:	Credit Limit:	Credit Limit:
Current Balance:	Current Balance:	Current Balance:

The information contained herein is complete and accurate. This information has been furnished with the understanding that it is to be used to determine whether, the amount, and on what terms and conditions Bohle America, Inc. will extend any credit to the Company ("**Purpose**"). Company agrees to provide Bohle America, Inc. ("**Bohle**") with any additional information necessary for the Purpose.

Furthermore, in order to verify the information contained herein and to complete the Purpose, the Company authorizes Bohle to contact the above named financial institutions, trade references and other business with whom the Company does business, and the Company those entities to release both personal and business information to Bohle for the Purpose.

The undersigned has read, understands and agrees to all of Bohle's terms and conditions of sale ("**Terms**"), which are attached hereto and are incorporated herein by reference. The Terms shall exclusively apply to all purchases the Company makes from Bohle and no other terms, nor any changes, modifications, amendments or waivers of any terms, shall apply to Bohle unless in writing and signed by an authorized officer of Bohle.

Bohle reserves the right to suspend or withdraw credit privileges at any time and without notice should the account become past due or if Bohle receives any information which it believes indicates that Company will be unable to pay its debts as and when due or would make Bohle insecure in any way.

If Company defaults or fails to make any payments when due, Company's entire account balance will be considered immediately due and payable in full. If Bohle institutes any actions against the Company on any delinquent account, the Company shall pay on demand costs Bohle incurs in connection with collection, including, without limitation, interest, reasonable attorneys' fees, court costs and any other costs of collection.

The undersigned is authorized to execute this document on behalf of the Company.

_____   _____

Signature   *Date*

Name: _____

Title: _____

How to contact Bohle

Bohle America, Inc.

Bohle Online Shop   www.bohle-america.com

If you don't have a contact person yet, dial or write:

Postal address

Bohle America, Inc.
10924 Granite Street
Suite 200
Charlotte, NC 28273

Phone	+1 704 247 8400
Freephone	+1 877 678 2021 (toll free)
Fax	+1 704 247 8420
Freefax	+1 877 678 2022 (toll free)
E-Mail	info@bohle-america.com

You will find Bohle subsidiaries in:

Austria · England · Estonia · France · Germany · Italy · the Netherlands · Russia · South Africa · Spain · Sweden · USA · China