

# GLASS PROCESSING MACHINERY

For Workshops and Construction Sites





# Bohle´s World of Machinery

While browsing through this catalogue, you are probably wondering how to make your everyday work routines more efficient, more economic and more ergonomic. Maybe you are also asking yourself how to maintain consistently high quality results. In addition, you may attach importance to ergonomic workflows and ecological responsibility. Then Bohle is the right partner for you – as these are exactly the requirements

our machines fulfil. They facilitate your work, achieve more profitability and consistent, high quality working results. We offer the right solution for every company and for every demand: Due to their modular system, most of our machines are optionally expandable and can be retrofitted to be equally suitable both for minimal applications and for large-sized formats.

## Your benefits

- Free and non-binding expert advice by our application technicians
- Commissioning and training of your team on site in your company
- Quality “Made in Germany”

## Who we are

Glass is our passion. Founded in 1923 as a family business, Bohle Group is now represented by almost 400 employees at 15 locations in Germany and abroad. We are one of the world’s leading developers, manufacturers and wholesalers of glass fittings, sliding door applications, tools, machinery and accessories for glass processing and glass finishing. Our product range is precisely tailored to the respective customer groups from trade, industry and retail. Quality is the leading principle at Bohle – in every area. We live up to this principle, for example, by developing a large part of our products in-house and manufacturing them in Germany. We are committed to strict quality requirements to deliver only products with optimum quality to our customers. Most of the machines in the Bohle portfolio are manufactured at the company headquarters in Haan in Germany.



# Made in Germany

Did you know that most of the machines in the Bohle portfolio are manufactured at the company headquarters in Haan? In carefully executed stages, high quality belt grinding machines, drilling machines, water treatment systems, and the Liftmaster lifting system are manually crafted from many different components.

Every day, our technicians are committed to ensure that Bohle only machines of the highest quality leave the Bohle AG workshops – to make your operations more efficient and reliable. By glass professionals for glass professionals.

## The Bohle Machine Service

For Bohle, service does not stop with the sale of a glass processing machine – that's what our service team is there for. If you have problems or questions which can only be solved on-site, our technicians are happy to provide advice and support.

If you are interested in a machine service, please contact one of the following contact person:

**Lisa Tooth**

T +44 161 3421104

F +44 161 3440111

[lisa.tooth@bohle.ltd.uk](mailto:lisa.tooth@bohle.ltd.uk)



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# PROCESS WATER TREATMENT SYSTEMS

Using machine process water for a long time is not only better for the environment but also for your wallet. The Sedimentor process water cleaning systems from Bohle can help you do that. The time needed for cleaning the waste water treatment system of the machine is thus greatly reduced. Further advantages of clean process water: longer tool life and significantly improved glass processing quality.





**Bohle**

Only for the  
use of Bohle  
Sedi Flock 310  
BO 50028310

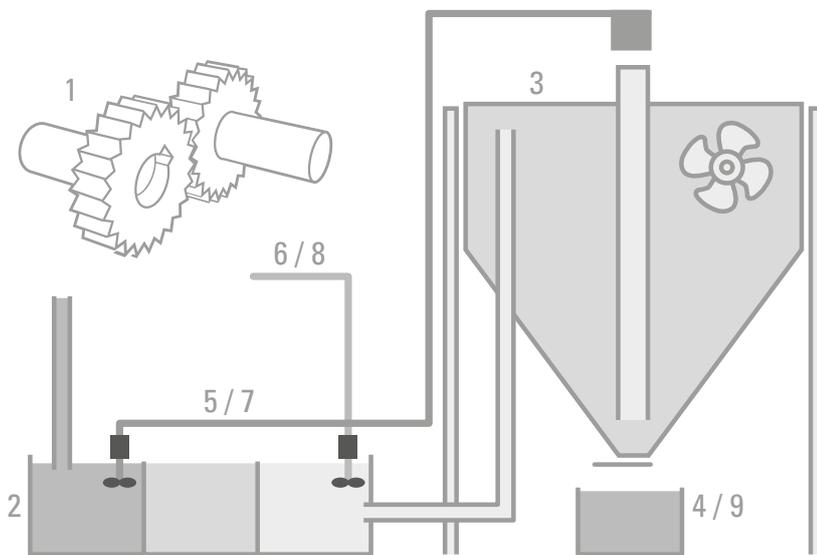
**Sedimentor**  
[www.bohle-group.com](http://www.bohle-group.com)

**Bohle**

# Sedimentor Technology

## Fields of application of a Bohle Sedimentor

- Connection of a Sedimentor to one or several processing machines for cleaning the water tanks
- Connection of a Sedimentor to a production line for cleaning the water tanks
- Connection of a Sedimentor to a CNC machine with main spindle supply for cleaning the water tanks and for fine filtering the main spindle water
- Cleaning the process water of a scraper conveyor
- Cleaning screenprint water when printing with ceramic colours



## The operating principle

- 1 Machine
- 2 Machine tank
- 3 Water tank
- 4 Filter bag
- 5 Waste water pump
- 6 Clean water pump
- 7 Contaminated process water
- 8 Clean process water
- 9 Glass particles

## Quick amortisation

A Bohle water treatment system amortises after a short time due to productivity increases and cost savings:

### Increased productivity

- Longer operating times as a regular clean of the machine is no longer required
- Higher output due to increased grinding speed with consistent edge quality
- Subsequent cleaning of ground glass panes is less time-consuming

### Costs savings

- Considerable reduction of associated fresh and waste water fees
- Less tool wear
- Considerable reduction of energy costs (compared to centrifuges)
- Considerable reduction of maintenance expenses (compared to centrifuges)

### Other benefits

- Prevention of machine corrosion
- Compliance with (future) official requirements
- Simple and easy-maintenance systems engineering

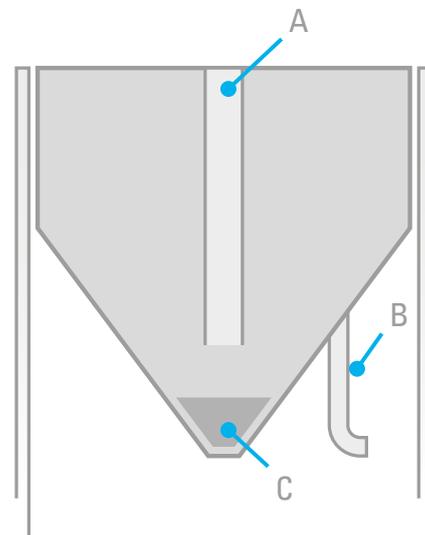
We are happy to provide you with a tailor-made quotation upon request!

A Sedimentor usually amortises in less than a year!

## Two Steps for a Clean Solution

1. An optimal tank design with special features causes coarse glass particles to be continuously separated from the coolant during circulation (effective sedimentation).
2. Fine particles are separated out in batch processes. Aided by sedimentation granules, the system also binds finest glass particles in an automated cycle and produces almost clear process water.

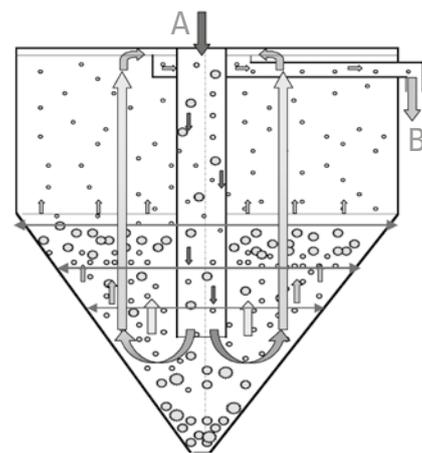
- A Waste water inlet
- B Clear water overflow
- C Sludge



## Effective Sedimentation in Detail

- The waste water is fed down through the central pipe
- The design of the overflow at the top of the tank forces the water flow upwards.
- Due to the size of the diameter, the speed of the upward flow slows down continuously.
- As particles have a higher density than water, the movement continues in the sedimentation area.
- Thus up to 70% of the glass particles are sedimented.

- A Waste water inlet
- B Clear water



## Automatic Flocculation Process

- A short blast of air through the valve releases the grinding sludge from the inner walls of the water tank.
- With rapid rotations the propeller mixes the grinding sludge and the water.
- While the propeller rotates more slowly, sedimentation granules are added to the water and mixed.
- The propeller stops. While the water remains stationary, the sedimentation granules bind larger and smaller glass particles and form larger or smaller flakes. The flakes settle to the bottom of the tank.
- The valve opens and the water pressure forces the flakes into the filter bag.



Container with sedimentation granules

# Sedimentor

- Almost clear process water due to high performance sedimentation granules
- Much improved processing quality, especially when polishing
- Time and effort to clean the glass processing equipment is significantly reduced
- Compact, space-saving design
- Decentralised solution for direct connection to the machine
- Consistently high grinding quality
- Reduced fresh water costs
- Reduced waste water costs
- Environmental protection
- Longer service life of tools
- Prevention of machine corrosion
- Cost reduction of subsequent processes (e. g. washing)
- Compact system for one or several machines
- Low maintenance costs
- Automatic operation
- Also compatible with coolants
- Low operating expenses (costs for sedimentation granules, energy)

## Product highlights



TECHNICAL DATA	ART. NO.		
	BO SEDI03	BO SEDI10	BO SEDI24
Water flow rate (approx.)	50 l/min.	150 l/min.	280 l/min.
Filling quantity	320 l	1000 l	2100 l
Cleaning performance (approx.)	1 kg/h	3.6 kg/h	7.2 kg/h
Electrical connection	2 kW, 400 V, 50 Hz, 3 NPE	2 kW, 400 V, 50 Hz, 3 NPE	2 kW, 400 V, 50 Hz, 3 NPE
Filter bag	70 l	300 l	300 l

BO SEDI24



# Accessories



## Vetrocool Coolant Concentrate

High performance cooling lubricant · for improved cooling of tools (longer tool life) · enables quicker feed and therefore higher productivity · saves flocculant · keeps the pH value low if the coolant stays in the machine for a longer period

**i** Mixing ratio 100 : 3

CONTENTS · DESCRIPTION	ART. NO.
20 kg · for an especially long tool life	BO 5002816
230 kg	BO 5002819
20 kg · for universal use, low-foaming = additional foam reducing effect; especially recommended for high-speed grinding machines	BO 5002817
220 kg	BO 5002818



## One-way Filter Bag for Sludge Drainage

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

CONTENT · DESCRIPTION	ART. NO.
70 l	BO 50284070
300 l	BO 50284300
Additional sludge carriage for 70-litre filter bag	SP 85.BG052
Additional sludge carriage for 300-litre filter bag	SP 85.BG049



## Submersible Pumps for Machine Tanks

Sturdy waste water pump with durable graphite bearing. For submerging into the cooling water tank of a glass processing machine. 230 / 400 V connection with CEE plug and hose nozzle.

DESCRIPTION	ART. NO.
Submersible pump 160 l/min.	BO 85.160
Submersible pump 260 l/min.	BO 85.840



## Sedimentation Granules

Binds the fine suspended particles in the process water of glass processing machines, allowing sedimentation. Hence it is possible to achieve virtually clear water in the system. BO 50028310 Bohle Sediflock 310 granulated flocculant, for use exclusively with Bohle Sedimentor water cleaning systems. Also suitable for manual grinding water cleaning! When finishing the grinding task, add approx. 200 g powder, stir well for 3 minutes. Keeps grinding sludge soft and easy to remove from the tank.

**i** Contents 10 kg

DESCRIPTION	ART. NO.
Granulated flocculant	BO 50028310
Paint flocculant for water-soluble ceramic colours	BO 50028312



## Liquid Flocculant

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

CONTENTS · VERSION	ART. NO.
25 kg · liquid	BO 50028331
200 kg · liquid	BO 50028335



## Indicator Paper for Grinding Water Inspection

The pH value of the coolant in grinding and drilling equipment should never exceed 9.5 as this might lead to increased corrosion and chemical burns on skin. Our recommendation – with approx. 3% Vetrocool, the pH value stays below 9.5.

ART. NO.
BO 50028304



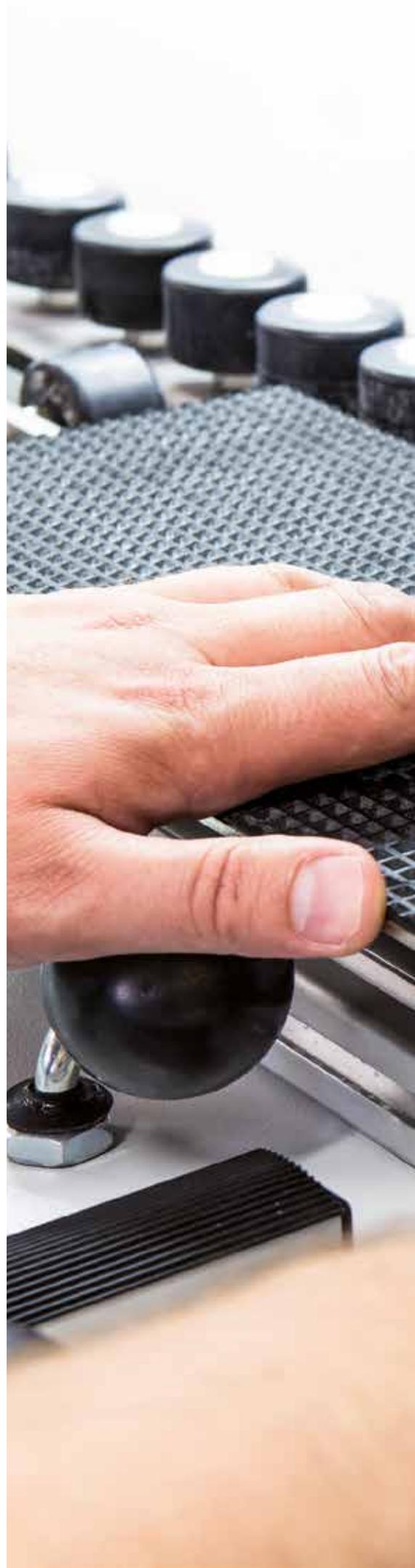
## Hand Refractometer

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

ART. NO.
BO 50028303

# GRINDING MACHINES

Precise working results and consistent high quality: Grinding machines enable process optimisation and thus increased profitability. For this reason, they facilitate work both for simple and demanding grinding tasks. Thanks to its modular system, Bohle machines can be expanded or retrofitted at any time and are thus ideally suited for the most diverse applications.





# Master Belt Grinding Machine

- Both for extensive and minimal grinding work with consistent quality
- User-friendly and multi-functional handling
- Integrated stainless steel castor roller table for precise guidance, suited for all glass sizes
- Smooth running and large contact roller (Ø 200 mm) for minimal hollow grinding
- Versatile and flexible modular system: Retrofitting and expanding possible at any time
- Integrated coolant circulation system for optimum abrasive belt cooling
- Suitable for all standard abrasive belts (100 x 1830 mm)
- Two belt speeds (11 m/s and 11/22 m/s)

## Product highlights



Whether for precise edges, curved circular grinding or delicate arrossing work: The Master Belt grinding machine is the ideal solution for demanding grinding tasks. Thanks to its modular system, it can be expanded or retrofitted at any time and is thus ideally suited for the most diverse applications. This is possible due to the integrated stainless steel castor roller table which enables guiding also larger glass panes precisely. In this way, Master Belt ensures a consistently high working result both for large grinding surfaces and minimal hollow grinding. The machine is equipped with a water tray as standard and is operated with an integrated coolant circulation system.

**i** Abrasive belt dimension (W x L) 100 x 1830 mm · Castor roller table 1200 x 680 mm · Working height 1050 mm · Dimensions (W x D x H) 1200 x 1170 x 1600 mm

TECHNICAL DATA	ART. NO.	
	<b>BO MB11</b>	<b>BO MB122</b>
Belt speed	11 m/s	11/22 m/s
Electrical connection	1.4 kW, 400 V, 50 Hz, 3NPE	1.7/2.1 kW, 400 V, 50 Hz, 3NPE

You will find grinding and polishing belts for the Master Belt belt grinding machine from page 32!

BO MB11



BO 80.500  
Stainless steel table extensions,  
right/left (item sold separately)

# Master Belt Grinding Machine



## Stainless Steel Table, Right/Left

Incl. water tray and abrasive belt support for processing large glass panes, with 16 castor rollers, extension approx. 680 x 600 mm each

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 ART. NO.

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**BO 80.500**


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## Grinding Sledge

For grinding small parts

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 ART. NO.

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**BO 80.510**


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## Stopper Rollers

For grinding circular panes · guide rail BO 780.210 required / The guide rail is not additionally required together with grinding sledge BO 80.510, as it is already included




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 DESCRIPTION

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 ART. NO.

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 Stopper rollers

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**BO 780.220**


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 Guide rail

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**BO 780.210**


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## LED Machine Lamp, 12 W

Splash water proof

ART. NO.

**BO 78.B0063**



## Contact Rollers for Grinding Interior Radii

**i** Ø 200 mm

DESCRIPTION

ART. NO.

Width 50 mm, min. grinding radius approx. 60 mm (grinding radii of 100 and 300 mm possible) **BO 80.40**

Width 50 mm, min. grinding radius approx. 100 mm (grinding radii of 60 and 300 mm possible) **BO 80.41**

Width 100 mm, min. grinding radius approx. 300 mm (grinding radii of 60 and 100 mm possible) **BO 80.42**



## Flexible Cooling Device with Magnetic Base

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

ART. NO.

**BO 78.90**



## Vetrocool Coolant Concentrate

High performance cooling lubricant · for improved cooling of tools (longer tool life) · faster feed and thus increased productivity possible · saves flocculant · keeps pH value low if the coolant stays in the machine for a longer period

**i** Mixing ratio 100 : 3

CONTENTS · DESCRIPTION

ART. NO.

20 kg · for an especially long tool life

**BO 5002816**

20 kg · for universal use, low-foaming = additional foam reducing effect; especially recommended for high-speed grinding machines

**BO 5002817**

# Versalux+ Grinding Machine

- Basic version with an excellent price-performance ratio
- User-friendly operation
- For simple grinding tasks with consistent quality
- Versatile use thanks to special abrasive belts for polishing edges and arrissing
- The sturdy construction provides for vibration-free smooth running.
- Integrated coolant circulation system
- Space-saving design
- Available in 230 V AC and 400 V three-phase AC

## Product highlights

The Bohle Versalux+ belt grinding machine enables economic basic grinding work with a consistent quality. It guarantees optimum results when arrissing, grinding or polishing glass edges. Versalux+ comes with an integrated coolant circulation system.

**i** Belt speed 7.5 m/s · Belt size (W x L) 100 x 2690 mm · Working height ca. 1000 mm · Dimensions (W x D x H) 780 x 470 x 1650 mm



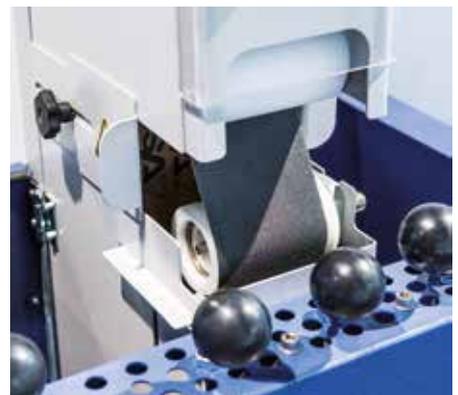
TECHNICAL DATA	ART. NO.			
	BO VL07230	BO VL072308	BO VL07400	BO VL074008
Electrical connection	2 kW, 230 V, 50 Hz, 1NPE	2 kW, 230 V, 50 Hz, 1NPE	2 kW, 400 V, 50 Hz, 3NPE	2 kW, 400 V, 50 Hz, 3NPE
Accessories	incl. 5 castor rollers	incl. 8 castor rollers	incl. 5 castor rollers	incl. 8 castor rollers



Belt position "straight grinding"



Belt position "upper edge grinding"



Belt position "lower edge grinding"

You will find grinding and polishing belts for the Versalux+ belt grinding machine from page 32!



### Castor Roller Table

The optional castor roller table facilitates grinding larger glass formats.

DESCRIPTION	ART. NO.
Castor roller table for improved glass support and workpiece guidance, 730 x 300 mm	<b>BO 80.300</b>



### Roller Bar

Thanks to its rubber rollers, the optional roller bar enables guiding straight glass edges along the abrasive belt. In addition, it provides optimum support of the glass on the grinding area.

DESCRIPTION	ART. NO.
Roller bar for improved glass guidance 180 mm	<b>BO 80.310</b>



### Abrasive Belt Support

The optional abrasive belt support enables grinding at the "hard" belt for surface grinding and coarse deburring tasks.

DESCRIPTION	ART. NO.
Abrasive belt support for grinding at the "hard" belt	<b>BO 80.320</b>



### Vetrocool Coolant Concentrate

High performance cooling lubricant · for improved cooling of tools (longer tool life) · faster feed and thus increased productivity possible · saves flocculant · keeps pH value low if the coolant stays in the machine for a longer period

**i** Mixing ratio 100 : 3

CONTENTS · DESCRIPTION	ART. NO.
20 kg · for an especially long tool life	<b>BO 5002816</b>
20 kg · for universal use, low-foaming = additional foam reducing effect; especially recommended for high-speed grinding machines	<b>BO 5002817</b>

# "Twin Belt" Grinding Machine for Dry

- Safe, high quality dry grinding of coated and sensitive glass, such as Low-E
- For arrossing edges at the "hard belt"
- Powerful filtering technology guarantees an absolutely dust-free working environment
- The optional air-cushioned table facilitates handling the glass and avoids scratches.
- Optimum abrasive belt cooling thanks to special air guides
- Especially efficient when used together with diamond abrasive belts
- Ensures that workplace conforms to standards

## Product highlights



Processing delicate glass with water sensitive coatings or protective films poses a particular challenge. The fine grinding dust can easily scratch the glass. This does not apply to the Bohle Twin Belt grinding machine for dry grinding. It offers an especially powerful, certified air filtering system for dry, manual grinding tasks. This ensures that the fine grinding dust is extracted and filtered reliably. Twin Belt can optionally be equipped with an air-cushioned table which facilitates handling the glass.

TECHNICAL DATA	ART. NO.
	BO 80.13-T
Belt speed	15 m/s
Belt length (W x L)	100 x 1160 mm
Glass thickness	3 - 12 (20) mm
Electrical connection	5 kW, 400 V, 50 Hz, 3 NPE
Pneumatic connection	5 bar
Working height	950 ± 30 mm
Dimensions (W x D x H)	700 x 660 x 1600 mm

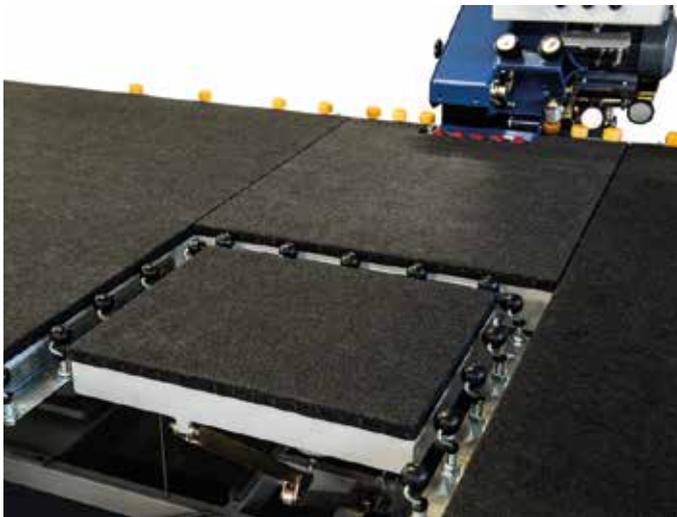
# Grinding



You will find grinding and polishing belts for dry grinding for the Twin Belt grinding machine from page 32!



# "Twin Belt" Grinding Machine for Dry G



## Compact Air-Cushioned Table

Air-cushioned table with felt lining for connecting to the Twin Belt Compact grinding machine BO 80.13-T with fan with adjustable airflow and sound absorber, balanced air cushion for different formats and glass thicknesses, including guide roller bar as a stopper for the glass edge, and support roller bar in the grinding area with entry area for the operator and fold-away area for coming closer to the machine when processing smaller parts.

DIMENSIONS	ART. NO.
4800 x 2230 mm	BO 80.112-6
3200 x 2230 mm	BO 80.112-5
2230 x 1250 mm	BO 80.112-4



## Compact Castor Roller Table with Fixed Guide Roller Bar

### BO 80.112-2

Stable work table with centre cutout for operator. Swivelling rubber ball castors (Ø 50 mm). Removable segment, close to the belt with closely arranged swivelling rubber ball castors (Ø 35 mm) for grinding smaller parts. 12 ball bearing glass guide rollers (stopper rollers) in total are fixed to the castor roller table.

### BO 80.112-3

Work table directly screwed to the machine, with 10 fixed ball bearing guide rollers. Swivelling rubber ball castors (Ø 50 mm). 7 support rollers in the immediate grinding area. Two removable segments for coming closer to the machine when grinding smaller parts.

DIMENSIONS	ART. NO.
2250 x 1485 mm	BO 80.112-2
1200 x 600 mm (alternative to BO 80.112-2)	BO 80.112-3



## Compact Extension Table right/left

Stable work table with swivelling rubber ball castors (Ø 50 mm) for enlarging the work surface. Upon installation, the extension table is screw-fixed to the work table.

**i** Size 1000 x 1485 mm

DESCRIPTION	ART. NO.
Compact Extension Table right	BO 80.113-2
Compact Extension Table left	BO 80.114-2

# Grinding



## DUSTOMAT-47 Dust Filtering System

Dry grinding processes 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.

### Product highlights

- Suitable for Twin Belt grinding machine, for dry grinding
- Certified for set-up directly at the workplace
- Low operating expenses
- High suction rating for good cleaning of ground glass panes
- Filter housing can be tilted for easy dust disposal
- Special filter cartridges especially for glass dust
- Fully automatic cleaning of permanent filter cartridges (dust class M) during the extraction process
- Easily movable with 6 castor rollers
- Minimal generation of noise thanks to sound-absorbing filter housing

**i** Nominal air volume 1330 m<sup>3</sup>/h · max. negative pressure at inlet PA 3800 · Filter area 9.6 m<sup>2</sup> · Electrical connection 3 kW, 400 V, 50 Hz, 3NPE · Automatic cleaning · Intake diameter 140 mm · Filter material dust class "M" · Dimensions (B x T x H) 1830 x 782 x 2040 mm

DESCRIPTION	ART. NO.
DUSTOMAT-47 Dust filtering system	BO 89.205
Connection set for extraction, Compact twin belt grinding machine	BO 89.206
Filter cartridge	BO 89.209
Plastic bags (1 set = 10 bags)	BO 89.208



## Corner Edging Device for Twin Belt Grinding Machines

The corner edging device serves for breaking the sharp edges of arressed rectangular glass panes of a defined size.

### Product highlights

It is precisely aligned to the running direction of guide rollers for the models with KRTA 30 work table. This enables breaking the edges of large glass panes in one work step · The models with KRT work table enable the processing of glass panes after arressing the 4 edges. Stopper rollers also guarantee precise edges. · The size of the grind depth can be adjusted between approx. 0.5 and 1.5 mm. · An exchangeable diamond belt on a rubber contact disc enables smooth grinding results. · Clean work due to splash guard · The corner edging device can simply be tilted out of the work area and locked when not needed · electrical connection via prepared socket of belt grinding machine (start-up via machine main switch) · low energy consumption

DESCRIPTION	ART. NO.
For installation on the right side	BO 80.15
For installation on the left side	BO 80.16



## Abrasive Diamond Ring KGS Telum® Spiral

For the corner edging device of the twin belt grinding machine.

**i** Diameter 100 mm · Width 38 mm

GRIT	ART. NO.
120 / N125	BO 5007583
220 / N74	BO 5007584

# "Twin Belt" Grinding Machine for Wet

- Safe, high quality wet grinding of both arrisses
- Shorter lead times than for dry grinding
- For arrissing both sides at the "hard belt"
- The optional water circulation system protects the glass from overheating and ensures the workplace is kept free of dust.
- Optional work table with castor rollers (available in different sizes) facilitates handling the glass pane and avoids scratches.
- Especially efficient when used together with diamond abrasive belts
- Ensures that workplace conforms to standards

## Product highlights

When arrissing flat glass with water-insensitive coatings, wet grinding enables shorter lead times than dry grinding. In addition, the Twin Belt grinding machine for wet grinding offers the ideal workstation for precise grinding results: It increases processing speed while at the same time being gentle on the glass. The water primarily serves for cooling the glass. It also washes the abraded material off the abrasive belt; undesired dust particles are bound keeping the grinding belt clean and ensuring a longer service life.

TECHNICAL DATA	ART. NO.
	BO 80.13-P
Belt speed	15/30 m/s
Belt length (W x L)	100 x 1160 mm
Glass thickness	3 - 20 mm
Electrical connection	4 kW, 400 V, 50 Hz, 3NPE
Pneumatic connection	5 bar
Working height	950 +/- 30 mm
Dimensions (W x D x H)	700 x 660 x 1600 mm





You will find grinding and polishing belts for wet grinding for the Twin Belt grinding machine from page 32!

# "Twin Belt" Grinding Machine for Wet



## Compact Castor Roller Table with Fixed Guide Roller Bar

### BO 80.112-2

Stable work table with centre cutout for operator. Swivelling rubber ball castors (ø 50 mm). Removable segment, close to the belt with closely arranged swivelling rubber ball castors (ø 35 mm) for grinding smaller parts. 12 ball bearing glass guide rollers (stopper rollers) in total are fixed to the castor roller table.

### BO 80.112-3

Work table directly screwed to the machine, with 10 fixed ball bearing guide rollers. Swivelling rubber ball castors (ø 50 mm). 7 support rollers in the immediate grinding area. Two removable segments for coming closer to the machine when grinding smaller parts.

#### DIMENSIONS

2250 x 1485 mm

1200 x 600 mm (alternative to BO 80.112-2)

#### ART. NO.

BO 80.112-2

BO 80.112-3



## Coolant Collection Tray (stainless steel) for Compact Castor Roller Table

The coolant collection tray is designed to match the work table and enables collecting and draining the coolant through a machine outlet or a coolant circulation system. A removable segment enables coming closer to the machine for grinding smaller parts.



## Compact Extension Table right/left

Stable work table with swivelling rubber ball castors (ø 50 mm) for enlarging the work surface. Upon installation, the extension table is screw-fixed to the work table.

The coolant collection tray is designed to match the work table and enables collecting and draining a large part of the cooling water into the main table tray.

**i** Size 1000 x 1485 mm



## Support Rollers for Large Glass Panes for 30-2 Work Table with Extension Table right/left

The support rollers arranged along the front edge of the table facilitate loading or unloading the work table. The support rollers are only available together with the extension table.

#### ART. NO.

BO 80.115-2

#### DESCRIPTION

Compact Extension Table right

Coolant Collection Tray (stainless steel) for Compact Extension Table right

Compact Extension Table left

Coolant Collection Tray (stainless steel) for Compact Extension Table left

#### ART. NO.

BO 80.113-2

BO 80.116-2

BO 80.114-2

BO 80.117-2

#### DESCRIPTION

Right

Left

#### ART. NO.

BO 80.118-2

BO 80.119-2

# Grinding



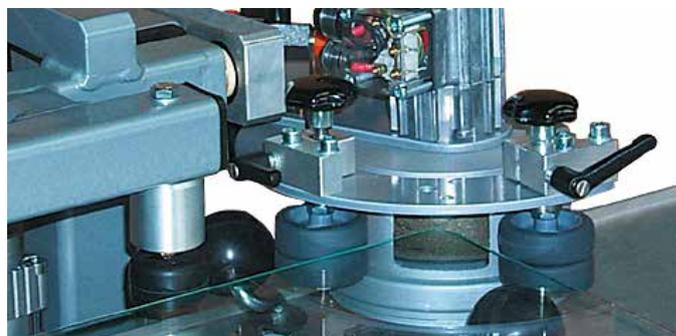
## Coolant Circulation System KUS-3-1 and KUS-4-1

### Product highlights

- 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

**i** Output 100 l/min · Electrical connection 0.4 kW, 400 V, 50 Hz, 3NPE · 2-stage submersible pump, including transport roller

TECHNICAL DATA	ART. NO.	
	BO 78.95-1	BO 78.96-1
Usable capacity	100 l	200 l
Number of tanks	2	4
Dimensions (W x D x H)	640 x 800 x 450	1270 x 800 x 450 mm



## Corner Edging Device for Twin Belt Grinding Machines

The corner edging device serves for breaking the sharp edges of arressed rectangular glass panes of a defined size.

### Product highlights

It is precisely aligned to the running direction of guide rollers for the models with KRTA 30 work table. This enables breaking the edges of large glass panes in one work step · The models with KRT work table enable the processing of glass panes after arressing the 4 edges. Stopper rollers also guarantee precise edges. · The size of the grind depth can be adjusted between approx. 0.5 and 1.5 mm. · An exchangeable diamond belt on a rubber contact disc enables smooth grinding results. · Clean work due to splash guard · The corner edging device can simply be tilted out of the work area and locked when not needed · electrical connection via prepared socket of belt grinding machine (start-up via machine main switch) · low energy consumption

DESCRIPTION	ART. NO.
For installation on the right side	BO 80.15
For installation on the left side	BO 80.16



## Abrasive Diamond Ring KGS Telum® Spiral

For the corner edging device of the twin belt grinding machine

**i** Diameter 100 mm · Width 38 mm

GRIT	ART. NO.
120 / N125	BO 5007583
220 / N74	BO 5007584

# Glass Abrasive Belts at a Glance



## Silicon Carbide Abrasive Belts VSM CK721X

Silicon carbide abrasive belts are especially popular for glass processing purposes. A very hard, synthetic and waterproof belt with high abrasive effect for supreme quality results. It is especially suitable for glass, porcelain and plastic.

Pre-grinding: grit 60 to 120 · standard grinding: grit 150 to 240 · fine grinding: grit 320 to 400

### Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
533 mm	30 mm	60	-	-	-	-	BO 5053306
533 mm	30 mm	80	-	-	-	-	BO 5053308
533 mm	30 mm	100	-	-	-	-	BO 5053310
533 mm	30 mm	120	-	-	-	-	BO 5053312
533 mm	30 mm	150	-	-	-	-	BO 5053315
533 mm	30 mm	180	-	-	-	-	BO 5053318
533 mm	30 mm	220	-	-	-	-	BO 5053322
533 mm	30 mm	240	-	-	-	-	BO 5053324
533 mm	30 mm	320	-	-	-	-	BO 5053332
533 mm	30 mm	400	-	-	-	-	BO 5053340
1810 mm	50 mm	80	-	-	-	-	BO 5018108
1810 mm	50 mm	120	-	-	-	-	BO 5018112
1810 mm	50 mm	150	-	-	-	-	BO 5018115
1810 mm	50 mm	220	-	-	-	-	BO 5018122
1810 mm	50 mm	320	-	-	-	-	BO 5018132
480 mm	70 mm	120	-	-	-	-	BO 5048012
552 mm	100 mm	80	-	-	-	-	BO 5055208
552 mm	100 mm	120	-	-	-	-	BO 5055212
552 mm	100 mm	150	-	-	-	-	BO 5055215
552 mm	100 mm	180	-	-	-	-	BO 5055218
552 mm	100 mm	240	-	-	-	-	BO 5055224
552 mm	100 mm	320	-	-	-	-	BO 5055232
610 mm	100 mm	60	-	-	-	-	BO 5061006
610 mm	100 mm	80	-	-	-	-	BO 5061008
610 mm	100 mm	100	-	-	-	-	BO 5061010
610 mm	100 mm	120	-	-	-	-	BO 5061012
610 mm	100 mm	150	-	-	-	-	BO 5061015
610 mm	100 mm	180	-	-	-	-	BO 5061018
610 mm	100 mm	240	-	-	-	-	BO 5061024
610 mm	100 mm	320	-	-	-	-	BO 5061032
1160 mm	100 mm	80	-	-	-	✓	BO 5011608
1160 mm	100 mm	120	-	-	-	✓	BO 5011612

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
1160 mm	100 mm	180	-	-	-	✓	BO 5011618
1800 mm	100 mm	60	-	-	-	-	BO 5018006
1800 mm	100 mm	80	-	-	-	-	BO 5018008
1800 mm	100 mm	100	-	-	-	-	BO 5018010
1800 mm	100 mm	120	-	-	-	-	BO 5018012
1800 mm	100 mm	150	-	-	-	-	BO 5018015
1800 mm	100 mm	180	-	-	-	-	BO 5018018
1800 mm	100 mm	240	-	-	-	-	BO 5018024
1800 mm	100 mm	320	-	-	-	-	BO 5018032
1800 mm	100 mm	400	-	-	-	-	BO 5018040
1830 mm	100 mm	60	✓	-	-	-	BO 5018306
1830 mm	100 mm	80	✓	-	-	-	BO 5018308
1830 mm	100 mm	100	✓	-	-	-	BO 5018310
1830 mm	100 mm	120	✓	-	-	-	BO 5018312
1830 mm	100 mm	150	✓	-	-	-	BO 5018315
1830 mm	100 mm	180	✓	-	-	-	BO 5018318
1830 mm	100 mm	220	✓	-	-	-	BO 5018322
1830 mm	100 mm	240	✓	-	-	-	BO 5018324
1830 mm	100 mm	320	✓	-	-	-	BO 5018332
1830 mm	100 mm	400	✓	-	-	-	BO 5018340
2000 mm	100 mm	100	-	-	-	-	BO 5020010
2000 mm	100 mm	120	-	-	-	-	BO 5020012
2000 mm	100 mm	150	-	-	-	-	BO 5020015
2000 mm	100 mm	180	-	-	-	-	BO 5020018
2000 mm	100 mm	220	-	-	-	-	BO 5020022
2000 mm	100 mm	240	-	-	-	-	BO 5020024
2000 mm	100 mm	320	-	-	-	-	BO 5020032
2000 mm	100 mm	400	-	-	-	-	BO 5020040
2400 mm	100 mm	80	-	-	-	-	BO 6024008
2400 mm	100 mm	180	-	-	-	-	BO 6024018
2400 mm	100 mm	220	-	-	-	-	BO 6024022
2400 mm	100 mm	320	-	-	-	-	BO 6024032
2500 mm	100 mm	60	-	-	-	-	BO 5025006
2500 mm	100 mm	80	-	-	-	-	BO 5025008
2500 mm	100 mm	100	-	-	-	-	BO 5025010
2500 mm	100 mm	120	-	-	-	-	BO 5025012
2500 mm	100 mm	150	-	-	-	-	BO 5025015
2500 mm	100 mm	180	-	-	-	-	BO 5025018
2500 mm	100 mm	220	-	-	-	-	BO 5025022

# Glass Abrasive Belts at a Glance

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
2500 mm	100 mm	320	-	-	-	-	BO 5025032
2500 mm	100 mm	400	-	-	-	-	BO 5025040
2650 mm	100 mm	80	-	-	-	-	BO 5026508
2650 mm	100 mm	120	-	-	-	-	BO 5026512
2650 mm	100 mm	180	-	-	-	-	BO 5026518
2650 mm	100 mm	220	-	-	-	-	BO 5026522
2650 mm	100 mm	240	-	-	-	-	BO 5026524
2650 mm	100 mm	320	-	-	-	-	BO 5026532
2690 mm	100 mm	60	-	✓	-	-	BO 6026906
2690 mm	100 mm	80	-	✓	-	-	BO 6026908
2690 mm	100 mm	100	-	✓	-	-	BO 6026910
2690 mm	100 mm	120	-	✓	-	-	BO 6026912
2690 mm	100 mm	150	-	✓	-	-	BO 6026915
2690 mm	100 mm	180	-	✓	-	-	BO 6026918
2690 mm	100 mm	220	-	✓	-	-	BO 6026922
2690 mm	100 mm	240	-	✓	-	-	BO 6026924
2690 mm	100 mm	320	-	✓	-	-	BO 6026932
2690 mm	100 mm	400	-	✓	-	-	BO 6026940
3000 mm	100 mm	80	-	-	-	-	BO 5030008
3000 mm	100 mm	100	-	-	-	-	BO 5030010
3000 mm	100 mm	120	-	-	-	-	BO 5030012
3000 mm	100 mm	150	-	-	-	-	BO 5030015
3000 mm	100 mm	180	-	-	-	-	BO 5030018
3000 mm	100 mm	240	-	-	-	-	BO 5030024
3000 mm	100 mm	320	-	-	-	-	BO 5030032
3000 mm	100 mm	400	-	-	-	-	BO 5030040
3300 mm	100 mm	80	-	-	-	-	BO 5033008
3300 mm	100 mm	100	-	-	-	-	BO 5033010
3300 mm	100 mm	120	-	-	-	-	BO 5033012
3300 mm	100 mm	150	-	-	-	-	BO 5033015
3300 mm	100 mm	180	-	-	-	-	BO 5033018
3300 mm	100 mm	220	-	-	-	-	BO 5033022
3300 mm	100 mm	320	-	-	-	-	BO 5033032
3300 mm	100 mm	400	-	-	-	-	BO 5033040
3350 mm	100 mm	60	-	-	-	-	BO 5033506
3350 mm	100 mm	80	-	-	-	-	BO 5033508
3350 mm	100 mm	100	-	-	-	-	BO 5033510
3350 mm	100 mm	120	-	-	-	-	BO 5033512
3350 mm	100 mm	150	-	-	-	-	BO 5033515

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
3350 mm	100 mm	180	-	-	-	-	BO 5033518
3350 mm	100 mm	220	-	-	-	-	BO 5033522
3350 mm	100 mm	240	-	-	-	-	BO 5033524
3350 mm	100 mm	320	-	-	-	-	BO 5033532
3350 mm	100 mm	400	-	-	-	-	BO 5033540
3550 mm	100 mm	120	-	-	-	-	BO 5035512
1500 mm	120 mm	60	-	-	-	-	BO 5015006
1500 mm	120 mm	80	-	-	-	-	BO 5015008
1500 mm	120 mm	120	-	-	-	-	BO 5015012
3300 mm	140 mm	100	-	-	-	-	BO 50331410



### Compact Grain Abrasive Belts VSM CK748X

This coarse waterproof abrasive belt excels thanks to its long service life and high grain reserve. The silicon carbide abrasive particles have several layers ("granule structure"), which results in self-sharpening during grinding. These belts grind approx. 1-2 grades coarser than standard belts.

Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
1830 mm	100 mm	80	✓	-	-	-	BO 5118308
1830 mm	100 mm	120	✓	-	-	-	BO 5118312
1830 mm	100 mm	180	✓	-	-	-	BO 5118318
1830 mm	100 mm	240	✓	-	-	-	BO 5118324
1830 mm	100 mm	320	✓	-	-	-	BO 5118332
1830 mm	100 mm	400	✓	-	-	-	BO 5118340
2000 mm	100 mm	120	-	-	-	-	BO 6120012
2000 mm	100 mm	180	-	-	-	-	BO 6120018
2500 mm	100 mm	80	-	-	-	-	BO 5125008
2500 mm	100 mm	120	-	-	-	-	BO 5125012
2500 mm	100 mm	180	-	-	-	-	BO 5125018
2500 mm	100 mm	240	-	-	-	-	BO 5125024
2500 mm	100 mm	400	-	-	-	-	BO 5125040
2690 mm	100 mm	80	-	✓	-	-	BO 6126908
2690 mm	100 mm	120	-	✓	-	-	BO 6126912
2690 mm	100 mm	180	-	✓	-	-	BO 6126918
2690 mm	100 mm	240	-	✓	-	-	BO 6126924
2690 mm	100 mm	320	-	✓	-	-	BO 6126932
2690 mm	100 mm	400	-	✓	-	-	BO 6126940

# Glass Abrasive Belts at a Glance

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
3000 mm	100 mm	80	-	-	-	-	BO 5130008
3000 mm	100 mm	180	-	-	-	-	BO 5130018
3000 mm	100 mm	240	-	-	-	-	BO 5130024
3000 mm	100 mm	400	-	-	-	-	BO 5130040
3350 mm	100 mm	80	-	-	-	-	BO 5133508
3350 mm	100 mm	120	-	-	-	-	BO 5133512
3350 mm	100 mm	180	-	-	-	-	BO 5133518
3350 mm	100 mm	240	-	-	-	-	BO 5133524
3350 mm	100 mm	400	-	-	-	-	BO 5133540

## Hollow Spherical Abrasive Belts Hermesit RB 545



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

Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
1830 mm	100 mm	80	✓	-	-	-	BO 5218308
1830 mm	100 mm	100	✓	-	-	-	BO 5218310
1830 mm	100 mm	150	✓	-	-	-	BO 5218315
1830 mm	100 mm	220	✓	-	-	-	BO 5218322

## Aluminium Oxide Abrasive Belts VSM KK711Y



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

Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
533 mm	30 mm	180	-	-	-	-	BO 5353318
533 mm	30 mm	400	-	-	-	-	BO 5353340
1800 mm	100 mm	180	-	-	-	-	BO 5318018
1800 mm	100 mm	400	-	-	-	-	BO 5318040

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
1800 mm	100 mm	500	-	-	-	-	BO 5318050
1810 mm	50 mm	400	-	-	-	-	BO 5318140
1830 mm	100 mm	180	✓	-	-	-	BO 5318318
1830 mm	100 mm	400	✓	-	-	-	BO 5318340
2650 mm	100 mm	180	-	-	-	-	BO 5326518
2650 mm	100 mm	400	-	-	-	-	BO 5326540
3000 mm	100 mm	180	-	-	-	-	BO 5330018
3000 mm	100 mm	400	-	-	-	-	BO 5333040
3350 mm	100 mm	180	-	-	-	-	BO 5333518
3350 mm	100 mm	400	-	-	-	-	BO 5333540



### Abrasive Diamond Belts in Industrial Quality KGS Telum®

These abrasive diamond belts offer superior grinding abilities and high quality results, with reduced grinding times. The sturdy, closely interlocking, arrow shaped Telum® pattern – with lines in all directions and a strong grip on the support fabric – stays in permanent contact with the workpiece and ensures highest grinding comfort thanks to its seamless fabrication. In addition, the pattern structure enables optimum heat dissipation. KGS Telum® Abrasive diamond belts offer top quality and excellent value for money.

**Compatible with the following Bohle machines:**

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
533 mm	30 mm	60 / N250	-	-	-	-	BO 5553306
533 mm	30 mm	120 / N125	-	-	-	-	BO 5553312
533 mm	30 mm	220 / N74	-	-	-	-	BO 5553322
533 mm	30 mm	400 / N40	-	-	-	-	BO 5553340
533 mm	30 mm	600 / N20	-	-	-	-	BO 5553360
533 mm	30 mm	1000 / N10	-	-	-	-	BO 5553310
1160 mm	60 mm	220 / N74	-	-	-	-	BO 5511622S
1160 mm	100 mm	220 / N74	-	-	✓	✓	BO 5511622
1180 mm	80 mm	120 / N125	-	-	-	-	BO 5511812
1180 mm	80 mm	220 / N74	-	-	-	-	BO 5511820
1830 mm	100 mm	120 / N125	✓	-	-	-	BO 5518312
1830 mm	100 mm	220 / N74	✓	-	-	-	BO 5518322
1830 mm	100 mm	400 / N40	✓	-	-	-	BO 5518340
2500 mm	100 mm	120 / N125	-	-	-	-	BO 5525012
3000 mm	100 mm	120 / N125	-	-	-	-	BO 5530012

# Glass Abrasive Belts at a Glance



## Abrasive Diamond Belts in Standard Quality KGS Flexis®

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

Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
330 mm	10 mm	120 / N125	-	-	-	-	BO 5433012
330 mm	10 mm	220 / N74	-	-	-	-	BO 5433022
330 mm	10 mm	600 / N20	-	-	-	-	BO 5433060
533 mm	30 mm	60 / N250	-	-	-	-	BO 5453306
533 mm	30 mm	120 / N125	-	-	-	-	BO 5453312
533 mm	30 mm	220 / N74	-	-	-	-	BO 5453322
533 mm	30 mm	400 / N40	-	-	-	-	BO 5453340
533 mm	30 mm	600 / N20	-	-	-	-	BO 5453360
533 mm	30 mm	1000 / N10	-	-	-	-	BO 5453310
1160 mm	100 mm	320 / N54	-	-	✓	✓	BO 5411632
1830 mm	100 mm	60 / N250	✓	-	-	-	BO 5418306
1830 mm	100 mm	120 / N125	✓	-	-	-	BO 5418312
1830 mm	100 mm	220 / N74	✓	-	-	-	BO 5418322

## Diamond Abrasive Belts for Dry Arrissing KGS SDA®

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



Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	COLOUR	1	2	3	4	ART. NO.
533 mm	30 mm	60	green	-	-	-	-	BO 5453306T
533 mm	30 mm	100	black	-	-	-	-	BO 5453310T
533 mm	30 mm	200	red	-	-	-	-	BO 5453320T
533 mm	30 mm	400	yellow	-	-	-	-	BO 5453340T



## Grinding and Polishing Belts 3M Trizact

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

brown = polishing belt · green = abrasive belt

### Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	COLOUR	1	2	3	4	ART. NO.
533 mm	30 mm	A5	brown	-	-	-	-	BO 5053305
533 mm	30 mm	A35	green	-	-	-	-	BO 5053335
1830 mm	100 mm	A5	brown	✓	-	-	-	BO 5017805
1830 mm	100 mm	A35	green	✓	-	-	-	BO 5017835
2500 mm	100 mm	A5	brown	-	-	-	-	BO 5025005
2500 mm	100 mm	A35	green	-	-	-	-	BO 5025035
2690 mm	100 mm	A5	brown	-	✓	-	-	BO 5026905
2690 mm	100 mm	A35	green	-	✓	-	-	BO 5026935
3000 mm	100 mm	A5	brown	-	-	-	-	BO 5030005
3000 mm	100 mm	A35	green	-	-	-	-	BO 5030035



## Klingspor CS 322 Cork Polishing Belts

Waterproof · for polishing ground glass edges

### Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	1	2	3	4	ART. NO.
533 mm	30 mm	-	-	-	-	BO 5053301K
1500 mm	120 mm	-	-	-	-	BO 5015001K
1830 mm	100 mm	✓	-	-	-	BO 5018301K
2500 mm	100 mm	-	-	-	-	BO 5025001K
3000 mm	100 mm	-	-	-	-	BO 5030001K

# Glass Abrasive Belts at a Glance



## Norton W445 Cork Polishing Belts

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

Compatible with the following Bohle machines:

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	1	2	3	4	ART. NO.
533 mm	30 mm	-	-	-	-	BO 5053301N
1810 mm	50 mm	-	-	-	-	BO 5018101N
552 mm	100 mm	-	-	-	-	BO 5055201N
610 mm	100 mm	-	-	-	-	BO 5061001N
1800 mm	100 mm	-	-	-	-	BO 5018001N
1830 mm	100 mm	✓	-	-	-	BO 5018301N
2000 mm	100 mm	-	-	-	-	BO 6020001N
2500 mm	100 mm	-	-	-	-	BO 5025001N
2650 mm	100 mm	-	-	-	-	BO 5026501N
2690 mm	100 mm	-	✓	-	-	BO 6026901N
3000 mm	100 mm	-	-	-	-	BO 5030001N
3300 mm	100 mm	-	-	-	-	BO 5033001N
3350 mm	100 mm	-	-	-	-	BO 5033501N
3550 mm	100 mm	-	-	-	-	BO 5035501N



## Silicon Carbide/Cork Abrasive Belts with Polishing Effect RB 515X

Waterproof silicon carbide/cork abrasive belts with polishing effect · simultaneously fine grinds and polishes edge and arris, when required quality of polish is not too high · polishing step no longer required · relatively long service life of belts

**Compatible with the following Bohle machines:**

1 = Master Belt · 2 = Versalux+ · 3 = Twin Belt for dry grinding · 4 = Twin Belt for wet grinding

LENGTH	WIDTH	GRIT	1	2	3	4	ART. NO.
1830 mm	100 mm	1000	✓	-	-	-	BO 5018300
3000 mm	100 mm	1000	-	-	-	-	BO 5030000

# Plano 600-S Disc Grinding Machine

- Precise and efficient processing of flat glass parts
- Comfortable work area of Ø 600 mm
- Quick and easy exchange of magnetic grinding discs
- Clockwise and anti-clockwise operation possible for optimum utilisation of grinding discs
- Central cooling water supply plus additional cooling via articulated hose
- Stainless steel coolant collecting tray with brush seal for reducing water mist
- High net weight of machine and vibration-free run for optimum grinding results
- Frequency controlled speed with electronic braking

## Product highlights

Whether for grinding or polishing: The Plano 600-S grinding machine shows the best processing results for the wet grinding of flat glass elements. With a diameter of 600 mm, the smooth-running steel turning disc offers a large, comfortable work surface. The grinding discs are magnetic and can therefore be exchanged quickly and easily. For an optimum utilisation of grinding discs, Plano 600-S can rotate both clockwise and anti-clockwise. The coolant is supplied centrally through the axle of the turning disc and is therefore gentle on the glass to be processed. In addition, the cooling water can be precisely directed to the grinding area via an articulated hose. A stainless steel coolant collecting tray reduces splash water and water mist thanks to its brush seal.

Technical Data	ART. NO.
	<b>BO 81.3-S</b>
Disc support	600 mm ø
Location bore	1 inch
Speed	infinitely adjustable 100 - 800 rpm
Rotational direction	clockwise and anti-clockwise
Electrical connection	1.5 kW, 400 V, 50 Hz, 3 NPE
Water connection	1/2 inch
Dimensions (W x D x H)	800 x 800 x 1000 mm



# Plano 600-S Disc Grinding Machine



## Adjustable Stopper System, Fold-away

With sliding profile above the turning disc for stable, fatigue-free operation. Attachment of customised holder possible.

ART. NO.

**BO 81.31**



## Prism for Grinding Cylindrical Parts

Safe positioning especially of cylindrical parts. Two-part version for different diameters.

ART. NO.

**BO 81.311**



## Angle Support, 45°

Angle support for mitre grinding

ART. NO.

**BO 81.312**



## KUS-2 Coolant Circulation System

KUS-2 coolant circulation system with special chamber system for improved separation of grinding dust · sedimentation system with 60-litre container and lattice insert · 2 users can be connected · with 400 V submersible pump, 0.16 kW

### Product highlights

- Made 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

**i** Usable capacity 50 l · Number of tanks 1 · Output 60 l/min · Dimensions (W x D x H) 640 x 400 x 330 mm · Electrical connection 0.16 kW, 400 V, 50 Hz, 3NPE

ART. NO.

KUS-2 coolant circulation system

**BO 78.82**

Transport roller for KUS-2 coolant circulation system

**SP 78.B0051**



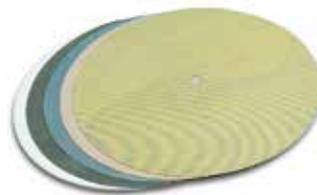
### Diamond Grinding Discs galvanically bound

For industrial applications, Bohle recommends the galvanised diamond grinding discs (exclusively available from Bohle). No other grinding disc comes close to the high mechanical stability of the support disc when hit by sharp glass edges. Therefore, the purchase price amortises very quickly depending on the application.

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

**i** Diameter 600 mm · Centre bore hole 26 mm ø

GRIT	ART. NO.
K 60, D 251	<b>BO 81.3506</b>
K 100, D 151	<b>BO 81.3510</b>
K 180, D 75	<b>BO 81.3518</b>
K 400, D 46	<b>BO 81.3540</b>



### Grinding and Polishing Discs 3M Trizact

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

**i** Diameter 600 mm

DESCRIPTION · COLOUR	ART. NO.
Abrasive disc, A35 · green	<b>BO 5060035</b>
Polishing disc, A05 · brown	<b>BO 5060005</b>
Cerium oxide polishing disc	<b>BO 5060000</b>



### Diamond Grinding Discs (flexible) KGS Telum®

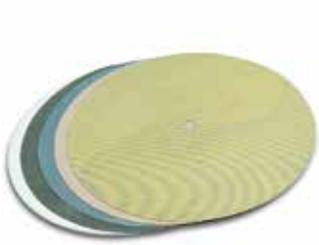
The KGS Telum diamond grinding discs are very powerful grinding discs with excellent abrasive capacity, very long service life and a good cooling behaviour due to a very durable "island" arrangement. They have a continuous, seamless grinding area and are made of a flexible metallised fabric backing on which the patented nickel islands with integrated diamond abrasive layer are located; this abrasive coating is bonded onto a magnetic rubber film.

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

**i** Diameter 600 mm · Centre bore hole 26 mm ø

GRIT · COLOUR	ART. NO.
60 / N 250 · green	<b>BO 5460006</b>
120 / N 125 · black	<b>BO 5460012</b>
220 / N 74 · red	<b>BO 5460022</b>
400 / N 40 · yellow	<b>BO 5460040</b>
600 / N 20 · white	<b>BO 5460060</b>
1000 / N10 · blue	<b>BO 5460010</b>

# Plano 600-S Disc Grinding Machine



## Silicon Carbide Grinding Discs

Grinding pads as a low-cost alternative, can be bonded to the disc in a sandwich arrangement, reusable

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

**i** Diameter 600 mm · Centre bore hole 30 mm ø

GRIT · DESCRIPTION	ART. NO.
80	BO 81.3308
150	BO 81.3315
220	BO 81.3322
400	BO 81.3340
Magnetic rubber disc	BO 5007890
Centring aid for attaching grinding pads	BO 81.50
Hand roller	BO 81.51



## Aluminium Oxide Grinding Discs

Aluminium oxide grinding pads for fine grinding. This grinding pad produces a relatively clear grinding result. The glass edge keeps its green colour.

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

**i** Diameter 600 mm · Centre bore hole 30 mm ø

GRIT · DESCRIPTION	ART. NO.
400	BO 81.3440
Magnetic rubber disc	BO 5007890
Centring aid for attaching grinding pads	BO 81.50
Hand roller	BO 81.51



## Felt Polishing Discs

Magnetic film on the back

**i** Diameter 600 mm · Centre bore hole 26 mm  $\varnothing$

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ART. NO.

**BO 81.320**

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## Glass Polishing Compound Velox Polisan 2

High quality liquid cerium suspension. The real alternative to cerium polishing powder, pre-mixed and immediately ready for use. Shake polishing liquid well before use; produces shiny glass surfaces when used together with felt polishing discs BO 81.320.

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WEIGHT · GRIT · PH

1200 g · 4 - 8 · 7.3

ART. NO.

**BO 5007903**

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## Cerium Polishing Powder

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

**i** Colour reddish

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CONTENTS

1 kg

25 kg

ART. NO.

**BO KF15001**

**BO KF15025**

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# Cup Wheels for Bohle Straight Line Edge

## Cup Wheels for Edge Grinding



TECHNICAL DATA	ART. NO.			
	BO 5470003	BO 5470003S	BO 5470004	BO 5470004S
Disc type	Diamond / metal bound	Diamond / metal bound segmented	Diamond / metal bound	Diamond / metal bound segmented
Outer diameter	ø 150	ø 150	ø 150	ø 150
Bore diameter	ø 10 mm	ø 10 mm	ø 10 mm	ø 10 mm
Tool height	35 mm	35 mm	35 mm	35 mm
Diamond grit	D76	D76	D151	D151
Grit	240	240	100	100
Position 1	BO SL4328A / BO SL4328M	BO SL4328A / BO SL4328M	BO SL6328A / BO SL8328A / BO SL9328A	BO SL6328A / BO SL8328A / BO SL9328A
Position 2	BO SL6328A / BO SL8328A / BO SL9328A	BO SL6328A / BO SL8328A / BO SL9328A	-	-
Note	Italian branded product · with high quality and long service life	German branded product · optimised for laminated safety glass, also well suited for float glass	Italian branded product · with high quality and long service life	German branded product · optimised for laminated safety glass, also well suited for float glass

## Cup Wheels for Edge Grinding



TECHNICAL DATA	ART. NO.		
	BO 5470127	BO 5470282	BO 5470284
Disc type	Polishing	Polishing extra, segmented	Polishing extra, segmented
Outer diameter	ø 150	ø 150	ø 150
Bore diameter	ø 70 mm	ø 70 mm	ø 70 mm
Tool height	30 mm	30 mm	30 mm
Identification number	10S40	A040BJ	A080BJ
Grit	40	40	80
Position 2	BO SL4328A / BO SL4328M	BO SL4328A / BO SL4328M	-
Position 5	BO SL6328A	BO SL6328A	-
Position 7	BO SL8328A / BO SL9328A	BO SL8328A / BO SL9328A	-
Position 8	BO SL9328A	-	BO SL9328A
Note	Italian branded product · excellent polishing performance and brilliance · long service life	German branded product · soft bronze coupling for excellent polishing performance and long service life · optimised for use with laminated safety glass, also well suited to float glass	German branded product · soft bronze coupling for excellent polishing performance and long service life · optimised for use with laminated safety glass, also well suited to float glass

## Cup Wheels for Edge Grinding



TECHNICAL DATA	ART. NO.		
	BO 5470110	BO 5470245	BO 5470236
Disc type	Polishing cerium	Polishing cerium	Polishing cerium
Outer diameter	ø 150	ø 150	ø 150
Bore diameter	ø 70 mm	ø 70 mm	ø 70 mm
Tool height	30 mm	40 mm	30 mm
Identification number	X5000	-	CE-3
Grit	40	40	60
Position 6	BO SL6328A	BO SL6328A	BO SL6328A
Position 8	BO SL8328A	BO SL8328A	BO SL8328A
Position 9	BO SL9328A	BO SL9328A	BO SL9328A
Note	Italian branded product · excellent polishing performance and brilliance · long service life	Low-cost German branded product · highest polishing quality and very long service life	German branded product · excellent polishing performance and long service life

## Cup Wheels for Arrissing



TECHNICAL DATA	ART. NO.			
	BO 5471340	BO 5470140	BO 5470237	BO 5470246
Disc type	Grinding-Polishing diamond	Polishing	Polishing extra	Polishing extra
Outer diameter	ø 130	ø 130	ø 130	ø 130
Bore diameter	ø 12 mm	ø 60 mm	ø 60 mm	ø 60 mm
Tool height	35 mm	30 mm	35 mm	35 mm
Identification number	D64	10S40	A060BJ	EK120SJ
Grit	-	40	60	120
Position 3	BO SL4328A / BO SL4328M / BO SL6328A / BO SL8328A / BO SL9328A	-	-	-
Position 4	BO SL4328A / BO SL4328M / BO SL6328A	BO SL8328A / BO SL9328A	BO SL8328A / BO SL9328A	BO SL8328A / BO SL9328A
Position 5	BO SL8328A / BO SL9328A	-	-	-
Position 6	-	BO SL8328A / BO SL9328A	BO SL8328A / BO SL9328A	BO SL8328A / BO SL9328A
Note	Italian branded product	Italian branded product · excellent polishing performance and brilliance · long service life	German branded product · excellent polishing performance and long service life	German branded product · excellent polishing performance · suitable for wider arrisses · slightly increased work intervals

# 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.





2  
500 585 700 880 1200 1700



# Profi Drill Manual Drilling Machine

- Double-sided horizontal drilling machine
- Professional drill heads with precise, smooth-running drill spindles
- Long reach of 1000 mm
- Sturdy construction – also suitable for countersinking
- Perfect glass support due to spacer rings in different sizes
- Electronic speed control via frequency converter
- Comprehensive accessories available (cooling lubricant circulation systems, cross laser, high-precision stopper, table extensions, halogen lamp for optimum workplace illumination)

## Product highlights



Precise, double-sided drill jobs in just a single work step are no problem for the Profi Drill horizontal drilling machine from Bohle, even for large glass formats. The glass can be easily positioned on the work table and is held in place by a sensitive gas pressure spring. Spacer rings with different diameters prevent the workpiece from over-tightening at the drilling location. Thanks to the especially smooth running drill spindles, the two precisely aligned drill heads enable exact drilling results. During the drilling process, the diamond hollow drills are centrally cooled from inside with high water pressure. This prevents the drill core from getting stuck and the drilling area from overheating.

TECHNICAL DATA	ART. NO.
	<b>BO 79.3-S</b>
Drill	75 mm long with holder, R1/2" continental thread
Speed	infinitely adjustable 300 - 3500 rpm
Drill diameter	3 - 80 mm (one-sided up to 250 mm)
Glass thickness	3 - 20 mm (one-sided up to 40 mm)
Holding device	manually via gas pressure spring
Drill arm range	1000 mm
Work table (W x D)	720 x 1110 mm
Working height	950 - 1130 mm
Dimensions (W x D x H)	760 x 1530 x 1650 mm
Electrical connection	2 kW, 400 V, 50Hz, 3NPE





# Profi Drill Manual Drilling Machine



## Drill Cross Laser

For positioning of glass panes, complete with power supply

ART. NO.

**BO 79.K**



## High-Precision Stopper System

With measuring scales for positioning the glass for single and serial drilling · rear and lateral stop bar · no additional measuring and marking required

ART. NO.

**BO 79.18**



## Additional Front Support

With stainless guide bars · rubber coated support · continuously extendable up to 450 mm (table enlargement to 720 x 1620 mm)

ART. NO.

**BO 79.13**



## Additional Lateral Supports

With stainless guide bars, rubber coated support, enlargement of table surface to approx. 1300 x 1100 mm, can be easily and slide continuously to the right or left side by approx. 500 mm

ART. NO.

**BO 79.14**



## Lateral Table Extension

With 24 castor rollers and coolant collection tray · easily lowerable · extension by approx. 1100 x 840 mm (D x W)

	ART. NO.
For installation on the left side for easier handling and positioning of larger panes	<b>BO 79.22</b>
For installation on the right side for easier handling and positioning of larger panes	<b>BO 79.23</b>



## Halogen Lamp

IP 54 · very bright · for optimum illumination of the drilling table

	ART. NO.
	<b>BO 79.B0011</b>



## KUS-2-1 Coolant Circulation System

KUS-2-1 coolant circulation system with special chamber system for improved separation of grinding dust · sedimentation system with 60 l container and lattice insert · 2 users can be connected · with 400 V 2 stage submersible pump, 0.4 kW

### Product highlights

- Made 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

**i** Usable capacity 50 l · Number of tanks 1 · Output 100 l/min · Dimensions (W x D x H) 640 x 400 x 330 mm · Electrical connection 0.4 kW, 400 V, 50 Hz, 3NPE · 2-stage submersible pump

	ART. NO.
KUS-2-1 coolant circulation system	<b>BO 78.82-1</b>
Transport rollers for KUS-2-1 coolant circulation system	<b>SP 78.B0051</b>

# Pico Drill Manual Drilling Machine

- Powerful drill unit with continuous speed control via potentiometer from 500 up to 1,700 rpm
- Electronically controlled, soft start, temperature and overload cut-off system
- For drill diameters ranging from 3 to 75 mm
- Outstanding price/performance ratio
- Easy adjustment of drilling depth via stopper
- Easy to clean, stable construction, easy transport
- Safety switch as standard
- 110 V & 230 V electrical connection

## Product highlights



BO 79.200



BO 79.250

Wet drilling machines with manual feed greatly facilitate the processing of small and medium-sized glass panes, as well as tiles and sheets made of ceramic material: Pico Drill from Bohle is an efficient, one-sided drilling machine which offers excellent value for money. The drilling depth of Pico Drill can be adjusted thanks to a stopper. It is equipped with a continuous drilling speed adjustment and can be used both as a portable tabletop or as a drilling table model. Upon request, Pico Drill is also available including a work table. Its very compact design makes it ideal for use at the construction site or in the workshop. The Pico Drill 100L version with point laser positioning enables a much easier alignment of the drilling machine on the glass.

**i** Drive electric motor · Speed 500 - 1700 rpm · Drill diameter up to approx. 75 mm with 1/2" continental external thread · max. drill depth 3 - 20 mm

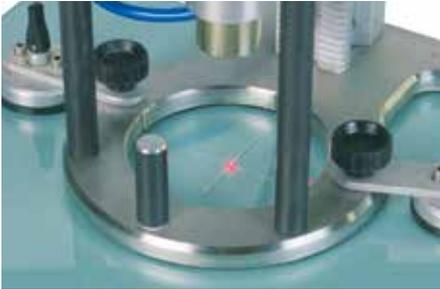
TECHNICAL DATA	ART. NO.		
	BO 79.200	BO 79.200L	BO 79.201
Electrical connection	1.15 kW, 230 V, 50 - 60 Hz	1.15 kW, 230 V, 50 Hz	1.15 kW, 110 V, 50 - 60 Hz
Dimensions (W x D x H)	260 x 460 x 280 mm	260 x 460 x 280 mm	260 x 460 x 280 mm
Additional features	-	with laser	-

BO 79.260



TECHNICAL DATA	ART. NO.		
	BO 79.201L	BO 79.250	BO 79.260
Electrical connection	1.15 kW, 110 V, 50 - 60 Hz	1.15 kW, 230 V, 50 Hz	1.15 kW, 230 V, 50 Hz
Dimensions (W x D x H)	260 x 460 x 280 mm	490 x 590 x 830 mm	1350 x 890 x 1430 mm
Others	with laser	tabletop version	tabletop version with additional table and stoppers

# Pico Drill Manual Drilling Machine



## Laser

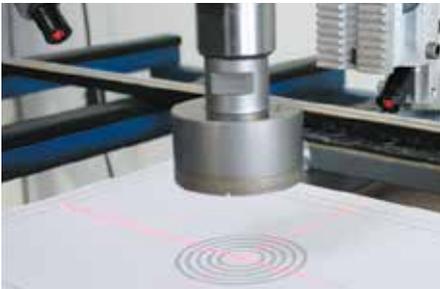
For BO 79.200, BO 79.201, BO 79.200L and BO 79.201L

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ART. NO.

**BO 79.210**

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## Cross Laser

For BO 79.250 and BO 79.260

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ART. NO.

**BO 79.215**

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## Additional Table with Stoppers

For BO 79.250

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ART. NO.

**BO 79.270**

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## KUS-1S Coolant Circulation System

KUS-1S coolant circulation system with special chamber system for improved separation of grinding dust · sedimentation system with 60-litre container and lattice insert · 2 users can be connected · with 230 V submersible pump, 0.17 kW

### Product highlights

- Made 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

**i** Usable capacity 50 l · Number of tanks 1 · Output 60 l/min · Dimensions (W x D x H) 640 x 400 x 330 mm · Electrical connection 0.17 kW, 230 V, 50 Hz, 1NPE

	ART. NO.
KUS-1S coolant circulation system	<b>BO 78.81S</b>
Transport rollers for KUS-1S coolant circulation system	<b>SP 78.B0051</b>





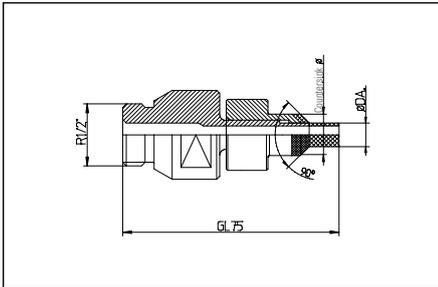
## Diamond Core Drills with Countersink

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

### Drill Speeds

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

**i** Outer thread (Continental) R 1/2"



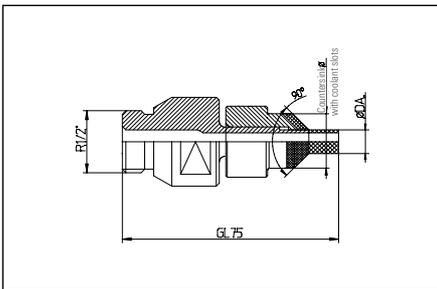
DIAMETER · LENGTH	ART. NO.	DIAMETER · LENGTH	ART. NO.
4 mm · 75 mm	BO 5001604	23 mm · 75 mm	BO 5001623
5 mm · 75 mm	BO 5001605	24 mm · 75 mm	BO 5001624
6 mm · 75 mm	BO 5001606	25 mm · 75 mm	BO 5001625
7 mm · 75 mm	BO 5001607	26 mm · 75 mm	BO 5001626
8 mm · 75 mm	BO 5001608	27 mm · 75 mm	BO 5001627
9 mm · 75 mm	BO 5001609	28 mm · 75 mm	BO 5001628
10 mm · 75 mm	BO 5001610	29 mm · 75 mm	BO 5001629
11 mm · 75 mm	BO 5001611	30 mm · 75 mm	BO 5001630
12 mm · 75 mm	BO 5001612	32 mm · 75 mm	BO 5001632
13 mm · 75 mm	BO 5001613	34 mm · 75 mm	BO 5001634
14 mm · 75 mm	BO 5001614	35 mm · 75 mm	BO 5001635
15 mm · 75 mm	BO 5001615	40 mm · 75 mm	BO 5001640
16 mm · 75 mm	BO 5001616	42 mm · 75 mm	BO 5001642
17 mm · 75 mm	BO 5001617	45 mm · 75 mm	BO 5001645
18 mm · 75 mm	BO 5001618	50 mm · 75 mm	BO 5001650
19 mm · 75 mm	BO 5001619	55 mm · 75 mm	BO 5001655
20 mm · 75 mm	BO 5001620	60 mm · 75 mm	BO 5001660
21 mm · 75 mm	BO 5001621	65 mm · 75 mm	BO 5001665
22 mm · 75 mm	BO 5001622	70 mm · 75 mm	BO 5001670

# Drill Bits at a Glance



## Diamond Core Drills with Deep Countersink

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



DIAMETER	ART. NO.
6 mm	BO 5001806
7 mm	BO 5001807
8 mm	BO 5001808
12 mm - suitable for drilling + countersinking PICO glass hardware	BO 5001812
15 mm	BO 5001815
16 mm	BO 5001816
17 mm	BO 5001817
18 mm	BO 5001818

DIAMETER	ART. NO.
19 mm	BO 5001819
20 mm	BO 5001820
23 mm	BO 5001823
26 mm	BO 5001826
27 mm	BO 5001827
28 mm	BO 5001828
30 mm	BO 5001830
36 mm	BO 5001836



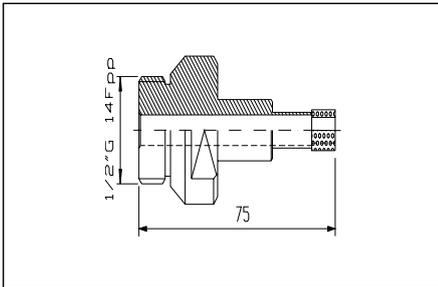
## Diamond Core Drills, Standard Quality

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

### Drill Speeds

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

**i** Outer thread (Continental) R 1/2"



DIAMETER · LENGTH	ART. NO.
3 mm · 75 mm	BO 5000403
4 mm · 75 mm	BO 5000404
5 mm · 75 mm	BO 5000405
6 mm · 75 mm	BO 5000406
7 mm · 75 mm	BO 5000407
8 mm · 75 mm	BO 5000408
9 mm · 75 mm	BO 5000409
10 mm · 75 mm	BO 5000410
11 mm · 75 mm	BO 5000411
12 mm · 75 mm	BO 5000412
12 mm · 95 mm	BO 5000412L
13 mm · 75 mm	BO 5000413
14 mm · 75 mm	BO 5000414
15 mm · 75 mm	BO 5000415
16 mm · 75 mm	BO 5000416
17 mm · 75 mm	BO 5000417
18 mm · 75 mm	BO 5000418
19 mm · 75 mm	BO 5000419
20 mm · 75 mm	BO 5000420

DIAMETER · LENGTH	ART. NO.
20 mm · 95 mm	BO 5000420L
21 mm · 75 mm	BO 5000421
22 mm · 75 mm	BO 5000422
23 mm · 75 mm	BO 5000423
24 mm · 75 mm	BO 5000424
25 mm · 75 mm	BO 5000425
26 mm · 75 mm	BO 5000426
27 mm · 75 mm	BO 5000427
28 mm · 75 mm	BO 5000428
28 mm · 95 mm	BO 5000428L
29 mm · 75 mm	BO 5000429
30 mm · 75 mm	BO 5000430
31 mm · 75 mm	BO 5000431
32 mm · 75 mm	BO 5000432
33 mm · 75 mm	BO 5000433
34 mm · 75 mm	BO 5000434
35 mm · 75 mm	BO 5000435
36 mm · 75 mm	BO 5000436
37 mm · 75 mm	BO 5000437
38 mm · 75 mm	BO 5000438
39 mm · 75 mm	BO 5000439
40 mm · 75 mm	BO 5000440
42 mm · 75 mm	BO 5000442
43 mm · 75 mm	BO 5000443
44 mm · 75 mm	BO 5000444
45 mm · 75 mm	BO 5000445
46 mm · 75 mm	BO 5000446

DIAMETER · LENGTH	ART. NO.
47 mm · 75 mm	BO 5000447
48 mm · 75 mm	BO 5000448
49 mm · 75 mm	BO 5000449
50 mm · 75 mm	BO 5000450
51 mm · 75 mm	BO 5000451
52 mm · 75 mm	BO 5000452
53 mm · 75 mm	BO 5000453
54 mm · 75 mm	BO 5000454
55 mm · 75 mm	BO 5000455
56 mm · 75 mm	BO 5000456
57 mm · 75 mm	BO 5000457
58 mm · 75 mm	BO 5000458
59 mm · 75 mm	BO 5000459
60 mm · 75 mm	BO 5000460
61 mm · 75 mm	BO 5000461
62 mm · 75 mm	BO 5000462
63 mm · 75 mm	BO 5000463
64 mm · 75 mm	BO 5000464
65 mm · 75 mm	BO 5000465
68 mm · 75 mm	BO 5000468
70 mm · 75 mm	BO 5000470
75 mm · 75 mm	BO 5000475
80 mm · 75 mm	BO 5000480
90 mm · 75 mm	BO 5000490
100 mm · 75 mm	BO 50004100

# Drill Bits at a Glance



## Diamond Core Drill with Countersink, Standard Quality

For normal use · drill base made of steel · covered with protective lacquer · diamond coating from sintered material · countersink is fixed by lateral clamping screw · drill has to be sharpened before first use.

### Drill Speeds

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

**i** Outer thread (Continental) R 1/2"

DIAMETER · LENGTH	ART. NO.	DIAMETER · LENGTH	ART. NO.	DIAMETER · LENGTH	ART. NO.
4 mm · 75 mm	BO 5000604	24 mm · 75 mm	BO 5000624	45 mm · 75 mm	BO 5000645
5 mm · 95 mm	BO 5000605L	24 mm · 95 mm	BO 5000624L	46 mm · 75 mm	BO 5000646
6 mm · 75 mm	BO 5000606	25 mm · 75 mm	BO 5000625	46 mm · 95 mm	BO 5000646L
6 mm · 95 mm	BO 5000606L	26 mm · 75 mm	BO 5000626	47 mm · 75 mm	BO 5000647
7 mm · 75 mm	BO 5000607	26 mm · 95 mm	BO 5000626L	48 mm · 75 mm	BO 5000648
7 mm · 95 mm	BO 5000607L	27 mm · 75 mm	BO 5000627	49 mm · 75 mm	BO 5000649
8 mm · 75 mm	BO 5000608	27 mm · 95 mm	BO 5000627L	50 mm · 75 mm	BO 5000650
9 mm · 75 mm	BO 5000609	28 mm · 75 mm	BO 5000628	51 mm · 75 mm	BO 5000651
9 mm · 95 mm	BO 5000609L	28 mm · 95 mm	BO 5000628L	52 mm · 75 mm	BO 5000652
10 mm · 75 mm	BO 5000610	29 mm · 75 mm	BO 5000629	53 mm · 75 mm	BO 5000653
11 mm · 75 mm	BO 5000611	29 mm · 95 mm	BO 5000629L	54 mm · 75 mm	BO 5000654
11 mm · 95 mm	BO 5000611L	30 mm · 75 mm	BO 5000630	55 mm · 75 mm	BO 5000655
12 mm · 75 mm	BO 5000612	30 mm · 95 mm	BO 5000630L	56 mm · 75 mm	BO 5000656
13 mm · 75 mm	BO 5000613	31 mm · 95 mm	BO 5000631L	57 mm · 75 mm	BO 5000657
13 mm · 95 mm	BO 5000613L	32 mm · 95 mm	BO 5000632L	58 mm · 75 mm	BO 5000658
14 mm · 75 mm	BO 5000614	33 mm · 95 mm	BO 5000633L	59 mm · 75 mm	BO 5000659
15 mm · 75 mm	BO 5000615	34 mm · 95 mm	BO 5000634L	60 mm · 75 mm	BO 5000660
16 mm · 75 mm	BO 5000616	35 mm · 75 mm	BO 5000635	60 mm · 95 mm	BO 5000660L
16 mm · 95 mm	BO 5000616L	35 mm · 95 mm	BO 5000635L	61 mm · 75 mm	BO 5000661
17 mm · 75 mm	BO 5000617	36 mm · 95 mm	BO 5000636L	62 mm · 75 mm	BO 5000662
17 mm · 95 mm	BO 5000617L	37 mm · 95 mm	BO 5000637L	63 mm · 75 mm	BO 5000663
18 mm · 75 mm	BO 5000618	38 mm · 95 mm	BO 5000638L	64 mm · 75 mm	BO 5000664
19 mm · 75 mm	BO 5000619	39 mm · 95 mm	BO 5000639L	65 mm · 75 mm	BO 5000665
20 mm · 75 mm	BO 5000620	40 mm · 75 mm	BO 5000640	66 mm · 75 mm	BO 5000666
21 mm · 75 mm	BO 5000621	40 mm · 95 mm	BO 5000640L	67 mm · 75 mm	BO 5000667
21 mm · 95 mm	BO 5000621L	41 mm · 75 mm	BO 5000641	68 mm · 75 mm	BO 5000668
22 mm · 75 mm	BO 5000622	42 mm · 75 mm	BO 5000642	69 mm · 75 mm	BO 5000669
22 mm · 95 mm	BO 5000622L	43 mm · 75 mm	BO 5000643	70 mm · 75 mm	BO 5000670
23 mm · 95 mm	BO 5000623L	44 mm · 75 mm	BO 5000644	100 mm · 75 mm	BO 50006100

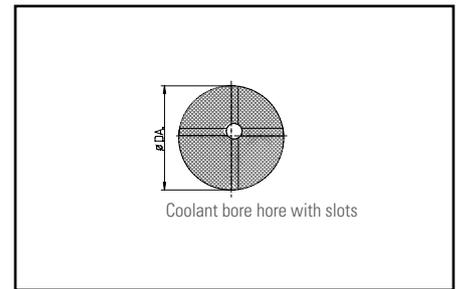
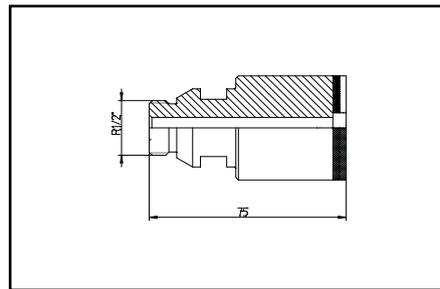


## Blind Hole Drill

Single-sided bore holes in optimum industrial quality

**i** 1/2" connection thread, total length 75 mm

DIAMETER	ART. NO.
8 mm	BO 5001708

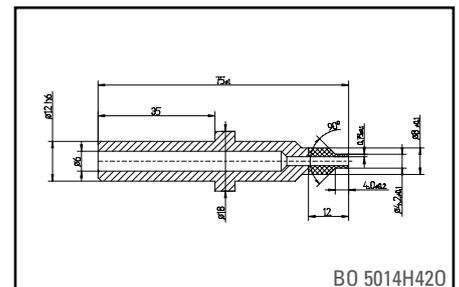
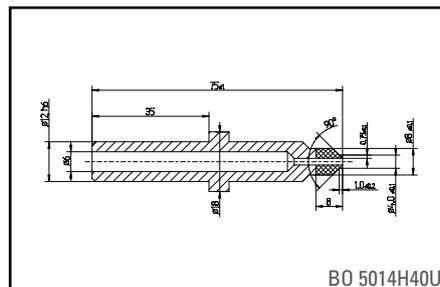


## Mono Block Drill / Countersink

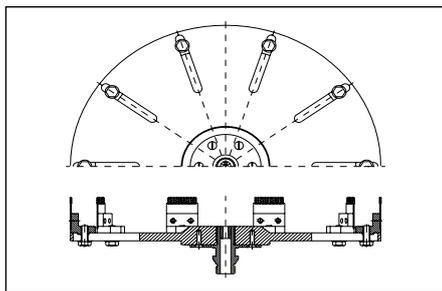
Product example shown is from the solar glass industry,  $D = 4.2$  mm. For high quality requirements, and with excellent cutting characteristics, the upper drill diameter is 0.2 mm bigger than the lower drill giving an absolutely continuous drill hole - when all machine specifications are observed the drill can do up to 6000 holes without "resharpening" - tools can be redressed cost-effectively upon request, after redressing the drill will work like new - Please note: recommended use with Vetrocool coolant BO 5002816 - 19

**i** Countersink 8 mm · hydraulic expansion tool holder

DRILL SPINDLE · DIAMETER · BIT	ART. NO.
Bottom · 4 mm · 0.8 x 1 mm	BO 5014H40U
Top · 4.2 mm · 0.8 x 4 mm	BO 5014H420



# Drill Bits at a Glance



## Segmental Diamond Drills

Adjustable · with exchangeable segments · central bore hole for coolant supply · Practical Tip: Use sharpening stone BO 5000499L! Centering device BO 5004241 or BO 5004243 required for accurate adjustment - see page 68

**i** Outer thread (Continental) R 1/2"

DIAMETER · HEIGHT · VERSION	ART. NO.
70 - 100 mm · approx. 75 mm · 4 segments	BO 5004100
90 - 140 mm · approx. 95 mm · 4 segments	BO 5004140
130 - 180 mm · approx. 95 mm · 6 segments	BO 5004180
180 - 240 mm · approx. 95 mm · 6 segments	BO 5004240
Segment body for BO 5004100	BO 5004102
Segment body for BO 5004140	BO 5004142
Segment body for BO 5004180	BO 5004182
Segment body for BO 5004240	BO 5004244

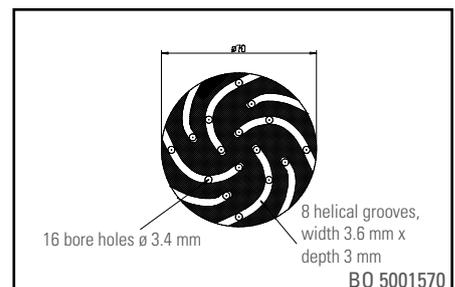
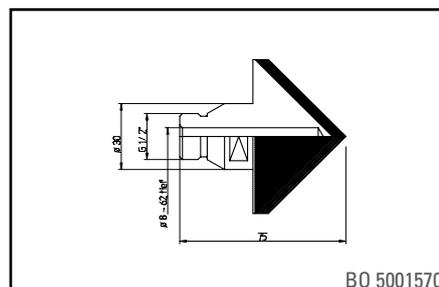
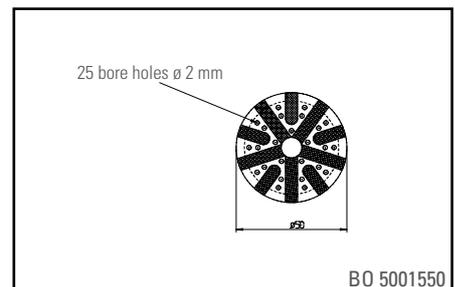
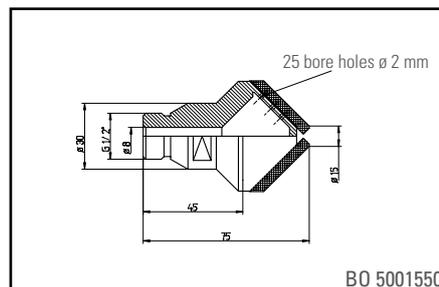
## Diamond Countersinks, Industrial Quality

Other diameters on request

**i** Outer thread (Continental) R 1/2"



DIAMETER · LENGTH	ART. NO.
Slotted 20 mm · 75 mm	BO 5001520
Slotted 35 mm · 75 mm	BO 5001535
Segmented 15/50 mm · 75 mm	BO 5001550
Helical grooves 70 mm · 75 mm	BO 5001570





### Victory Diamond Countersink

Diamond countersink D=15/50 mm, 90° for countersinking in thick glass and laminated safety glass

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

DIAMETER	ART. NO.
Slotted 15 - 50 mm	BO 5001550E



### Diamond Countersinks

**i** Outer thread (Continental) R 1/2"

DIAMETER · LENGTH	ART. NO.
35 mm · 75 mm	BO 5000535
45 mm · 75 mm	BO 5000545
65 mm · 75 mm	BO 5000565



### Grinding Cone

Made of diamond-coated, thin-walled metal · grit meets the requirements for arissing drill holes · Made in Germany

**i** Working range min. ø 3 mm

DIAMETER · DESCRIPTION	ART. NO.
60 mm · for use with grinding cone holder BO 79.610	BO 79.6120
90 mm · for use with grinding cone holder BO 79.910	BO 79.9120



### Grinding Cone Holder

Elastic Vulkocell® body · transverse slits for attaching and exchanging the grinding cones BO 79.6120 (ø 60 mm) / BO 79.9120 (ø 90 mm) · Made in Germany

**i** Shaft 6 mm ø

DIAMETER	ART. NO.
60 mm	BO 79.610
90 mm	BO 79.910



### Spear Point Glass Drill

Specially ground carbide tip with specially sharpened tip for precise drilling results.

**i** Finish chromate

DIAMETER · LENGTH	ART. NO.
5 mm · 58 mm	BO 5000205
6 mm · 58 mm	BO 5000206
7 mm · 78 mm	BO 5000207
8 mm · 78 mm	BO 5000208
9 mm · 78 mm	BO 5000209
10 mm · 98 mm	BO 5000210
12 mm · 98 mm	BO 5000212



### Milling Cutter for Glass Tubes

Combination tool for drilling + milling · customised diameter · can be reused several times

**i** Thread R1/2"

DIAMETER	ART. NO.
13/16 mm	BO BF1316

# Accessories



## Centring Device

For precise adjustment of segmental diamond drills

FOR	ART. NO.
BO 5004140, BO 5004180, BO 5004240	BO 5004241
BO 5004100	BO 5004243



## Spare parts for Segmental Diamond Drills

FOR	ART. NO.
BO 5004100	BO 5004101
BO 5004140	BO 5004141
BO 5004180	BO 5004181
BO 5004240	BO 5004242



## Diamond Drill Box / Empty Box

For safely storing 4 diamond hollow drills for ceramic BO 79.3606 to BO 79.3612 · includes drill core ejector and pin for releasing tight drills

ART. NO.
BO 79.360



## Sharpening

By drilling powerfully into the sharpening stone a few times, new spaces are created between the diamond particles, leading to renewed cutting ability · if sharpening does not lead to a positive result, use the dressing stone first

LENGTH · WIDTH · HEIGHT · COLOUR	ART. NO.
90 mm · 70 mm · 20 mm · pink	BO 5000499
180 mm · 70 mm · 20 mm · pink	BO 5000499L



## Sharpening

By drilling powerfully into the sharpening stone a few times, new spaces are created between the diamond particles, leading to renewed cutting ability · if sharpening does not lead to a positive result, use the dressing stone first · especially for larger drill diameters and diamond segment drills

LENGTH · WIDTH · HEIGHT · COLOUR	ART. NO.
200 mm · 50 mm · 25 mm · red	BO 5000499B



## 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 · WIDTH · HEIGHT · COLOUR	ART. NO.
100 mm · 25 mm · 13 mm · white	BO 5000498



### Diamantor® Adaptor

Mounting pin for adaptor · for ceramic and tile drilling machines · This adaptor makes flushing head drills universally suitable for any cordless drilling machine, simply spray some water into the drill hole for cooling · Inner thread M10 · Chuck 10 mm

ART. NO.

TG AF10



### Adaptor for Diamond Drill

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

ART. NO.

BO 5000501



### Adaptor for Diamond Drill

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

ART. NO.

BO 5000502



### Precision Drill Extension

For R 1/2" diamond hollow drills - ranging from 75 mm to 95 mm · industrial quality, stainless steel

ART. NO.

BO 5000504

# MACHINE ACCESSORIES

The Bohle accessories are as high quality as the corresponding Bohle machines and optimally suited to them. Their interplay is the best way to ensure a consistent high quality of working results.





**BOHLE**

DriveMotor  
VLT  
Danfoss

# Coolant Circulation Systems



## KUS-1S Coolant Circulation System

KUS-1S coolant circulation system with special chamber system for improved separation of grinding dust · sedimentation system with 50-litre container and lattice insert · 2 users can be connected · with 230 V submersible pump, 0.17 kW

### Product highlights

- 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

**i** Usable capacity 50 l · Number of tanks 1 · Output 60 l/min · Dimensions (W x D x H) 640 x 400 x 330 mm · Electrical connection 0.17 kW, 230 V, 50 Hz, 1NPE

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ART. NO.

**B0 78.81S**

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## KUS-2 Coolant Circulation System

KUS-2 coolant circulation system with special chamber system for improved separation of grinding dust · sedimentation system with 60-litre container and lattice insert · 2 users can be connected · with 400 V submersible pump, 0.16 kW

### Product highlights

- 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

**i** Usable capacity 50 l · Number of tanks 1 · Output 60 l/min · Dimensions (W x D x H) 640 x 400 x 330 mm · Electrical connection 0.17 kW, 400 V, 50 Hz, 3NPE

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ART. NO.

**B0 78.82**

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Coolant circulation systems do not only offer a considerable saving potential as regards the water costs but they also enable the quick amortisation of the investment. Processing results also improve.



### KUS-2-1 Coolant Circulation System

KUS-2-1 coolant circulation system with special chamber system for improved separation of grinding dust · sedimentation system with 50-litre container and lattice insert · 2 users can be connected · with 400 V 2 stage submersible pump, 0.4 kW

#### Product highlights

- 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

**i** Usable capacity 50 l · Number of tanks 1 · Output 100 l/min · Dimensions (W x D x H) 640 x 400 x 330 mm · Electrical connection 0.4 kW, 400 V, 50 Hz, 3NPE · 2-stage submersible pump

ART. NO.

**BO 78.82-1**



### KUS-3 Coolant Circulation System

KUS-3 coolant circulation system (incl. transport trolleys) with special chamber system for improved draining of the grinding sludge · multi-stage sedimentation system with 2 x 60-litre containers and 2 x lattice inserts · 2 users can be connected · with 400 V submersible pump, 0.16 kW

#### Product highlights

- 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

**i** Usable capacity 100 l · Number of tanks 2 · Output 60 l/min · Dimensions (W x D x H) 640 x 800 x 450 mm · Electrical connection 0.16 kW, 400 V, 50 Hz, 3NPE · including transport roller

ART. NO.

**BO 78.95**

# Coolant Circulation Systems



## KUS-3-1 Coolant Circulation System

KUS-3-1 coolant circulation system (incl. transport trolley) with special chamber system for improved draining of the grinding sludge · multi-stage sedimentation system with 2 x 60-litre containers and 2 x lattice inserts · 2 users can be connected · with 400 V submersible pump, 0.4 kW

### Product highlights

- 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

**i** Usable capacity 100 l · Number of tanks 2 · Output 100 l/min · Dimensions (W x D x H) 640 x 800 x 450 mm · Electrical connection 0.4 kW, 400 V, 50 Hz, 3NPE · 2-stage submersible pump, including transport roller

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ART. NO.

**BO 78.95-1**

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## KUS-4-1 Coolant Circulation System

KUS-4-1 coolant circulation system (incl. transport trolley) with special chamber system for improved separation of grinding dust · multi-stage sedimentation system with 4 x 60-litre container (volume approx. 200 l), and 4 x lattice inserts · 2 users can be connected · powerful 2-stage submersible pump, 0.4 kW

### Product highlights

- 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

**i** Usable capacity 200 l · Number of tanks 4 · Output 100 l/min · Dimensions (W x D x H) 1270 x 800 x 450 mm · Electrical connection 0.4 kW, 400 V, 50 Hz, 3NPE · 2-stage submersible pump, including transport roller

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ART. NO.

**BO 78.96-1**

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### Transport Rollers for KUS-1S, KUS-2, KUS-2-1

ART. NO.

SP 78.B0051



### Vetrocool Coolant Concentrate

High performance cooling lubricant · for improved cooling of tools (longer tool life) · faster feed and thus increased productivity possible · saves flocculant · keeps pH value low if the coolant stays in the machine for a longer period

**i** Mixing ratio 100 : 3

CONTENTS - DESCRIPTION	ART. NO.
20 kg · for an especially long tool life	BO 5002816
230 kg	BO 5002819
20 kg · for universal use, low-foaming = additional foam reducing effect; especially recommended for high-speed grinding machines	BO 5002817
220 kg	BO 5002818

# General Sandblasting Accessories



## High Grade Corundum Sandblasting Agent

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

**i** Colour white · Contents sack 25 kg · non-ferrous

FEPA · GRIT · DESCRIPTION	ART. NO.
F 120 · 90 - 125 µm · white, non-ferrous · 25 kg sack	AO EK120



## High Grade Corundum Sandblasting Agent

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

**i** Colour brown · Contents sack 25 kg

FEPA · GRIT · DESCRIPTION	ART. NO.
F 080 · 150 - 212 µm · brown, non-ferrous · 25 kg sack	AO AL080
F 100 · 106 - 150 µm · brown, non-ferrous · 25 kg sack	AO AL100
F 120 · 90 - 125 µm · brown, non-ferrous · 25 kg sack	AO AL120
F 120 · 90 - 125 µm · brown, non-ferrous · 1 pallet with 40 bags (= 1000 kg)	AO AL120.20



## Sandblast Resist Tape, 100 µm

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

**i** Available either as a roll or in a package with 10 sheets

DESCRIPTION	ART. NO.
Roll 100 m x 100 cm	AO MS100
Sheet 70 cm x 100 cm	AO MS100BL



## Sandblast Resist Tape, 180 µm

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

**i** Available as a roll

DESCRIPTION	ART. NO.
Roll 25 m x 125 cm	AO MS180



## Transfer Foil/Paper

A transfer foil or transfer paper must be applied to sandblast resist tape before it is cut in a plotter to prevent stencils from detaching too early. Once the stencil film has been applied, the transfer foil/paper can be removed for weeding the stencils positively or negatively. These foils or papers can also be used as a protective cover for the rear side of the glass during sandblasting. The foil has slightly less adhesive force than the paper and can therefore be removed especially easily.

**i** Available as foil or paper

DESCRIPTION	ART. NO.
Transparent foil / roll 100 m x 100 cm	AO PT160
White paper / roll 100 m x 100 cm	AO TP4075



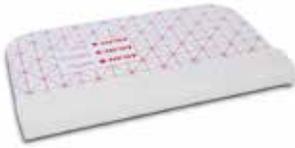
## Plastic Wiper

Mounting wiper for bubble free application of self-adhesive films

**i** for low loads

DESCRIPTION	ART. NO.
Plastic / 100 mm x 75 mm	AO RAKEL

# General Sandblasting Accessories



## Wooden Wiper

Mounting wiper for bubble-free application of self-adhesive films

**i** with felt edge

DESCRIPTION	ART. NO.
Wood / 270 x 115 mm	AO ASRAKGR
Wood / 160 x 95 mm	AO ASRAKKL



## Boron Carbide Sandblasting Nozzles

As the third hardest material after diamonds and CBN (cubic boron nitride), boron carbide is optimally suited for blasting nozzles used for highly-abrasive agents, such as: corundum, silicon carbide, and aluminium oxide.

**i** We offer boron carbide blasting nozzles with aluminium coating and 30 mm collar in different versions.

DIAMETER · LENGTH	ART. NO.
6 mm · 85 mm	BO 87.B0172
8 mm · 85 mm	SP 87.B0006
8/10 mm · 85 mm	SP 87.B0066
12 mm · 85 mm	SP 87.B0162



## Air Nozzle

Hardened (40 HRC) air nozzle, G1/4" connection

**i** Diameter at the tip: 3 mm

DIAMETER · LENGTH	ART. NO.
10 / 3 mm · 82 mm	SP 87.B0140



### Air Nozzle

Carbide is a very popular material for steel nozzles as it is especially hard and wear-resistant. It reaches approx. 25% of the wear resistance of boron carbide, but offers the advantage of being much tougher and thus break-proof.

DIAMETER · LENGTH	ART. NO.
7 mm · 45 mm	AO D7L45FP4



### VS 8 Adaptor nozzle

Boron carbide adaptor nozzle, with aluminium coating, for 30 mm collar connection, Ø 8 mm x L 40.5 mm

DIAMETER · LENGTH	ART. NO.
8 mm · 40.5 mm	SP 87.B0009

# HANDLING AIDS

The wide array of products in this chapter reflects the diversity of transport problems encountered in the daily 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.





CC  
No. 345/18  
Date 2018  
Name  
Mittel  
Company  
0254  
Nächste Prüfung  
Next Inspection  
VERBODEN TOEGANG  
TOEGANG VERBODEN



made in  
Germany

Boh

ftmaster B1

# Bohle Liftmaster B1

- Power / energy independent dual circuit vacuum system as per DIN EN 13155
- Ideal for transport within company premises and on construction sites
- Easy and secure handling of structural components of up to 180 kg
- Easy assembly of structural components
- Can be disassembled easily, fits in almost any estate car
- Stable construction
- Rack can be rotated and tilted
- Very compact and manoeuvrable
- Fits through standard doors
- Handle is height adjustable
- 180 kg load capacity

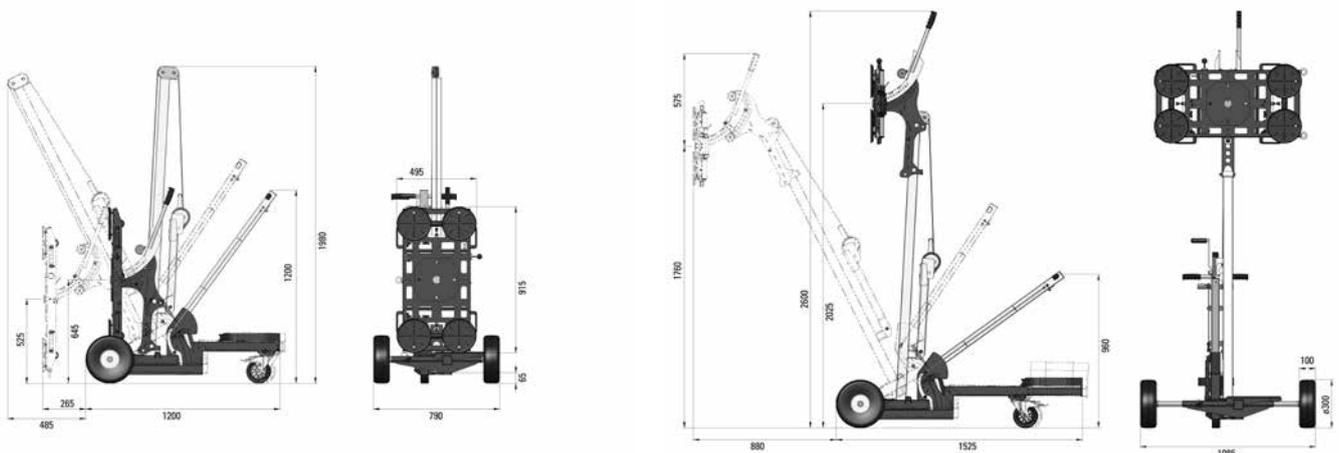
## Product highlights

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 barely be transported manually on site or within company premises. With Liftmaster B1, Bohle has developed an innovative handling and mounting aid which enables moving heavy elements of up to 180 kg, such as glass panes, window elements or metal and stone sheets easily and safely – by only one person.

### Includes vacuum lifter

BO B18DM4 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 of the vacuum lifter approx. 20 kg

TECHNICAL DATA	ART. NO.
	<b>BO 88.01</b>
Load capacity	180 kg
Length	1200 mm
Width	800 mm (with extended axles for widening the gauge 1100 mm)
Height	1950 mm





Additional counterweight, 25 kg

ART. NO.  
BO 88.025



Arm with tilt and swivel function for B18DM4 lifting system

ART. NO.  
BO 88.026



Protective cover for suction pads, ø 220 mm

ART. NO.  
SP BT1800

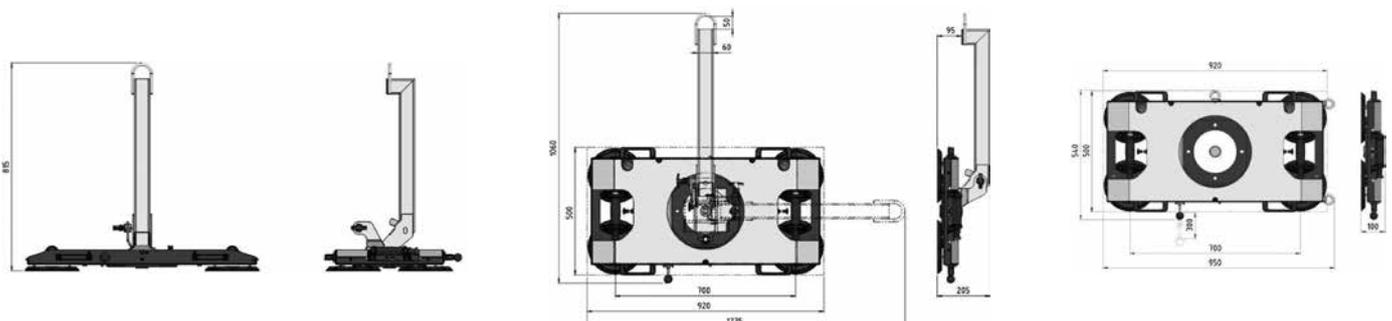
# Bohle Lifting Equipment

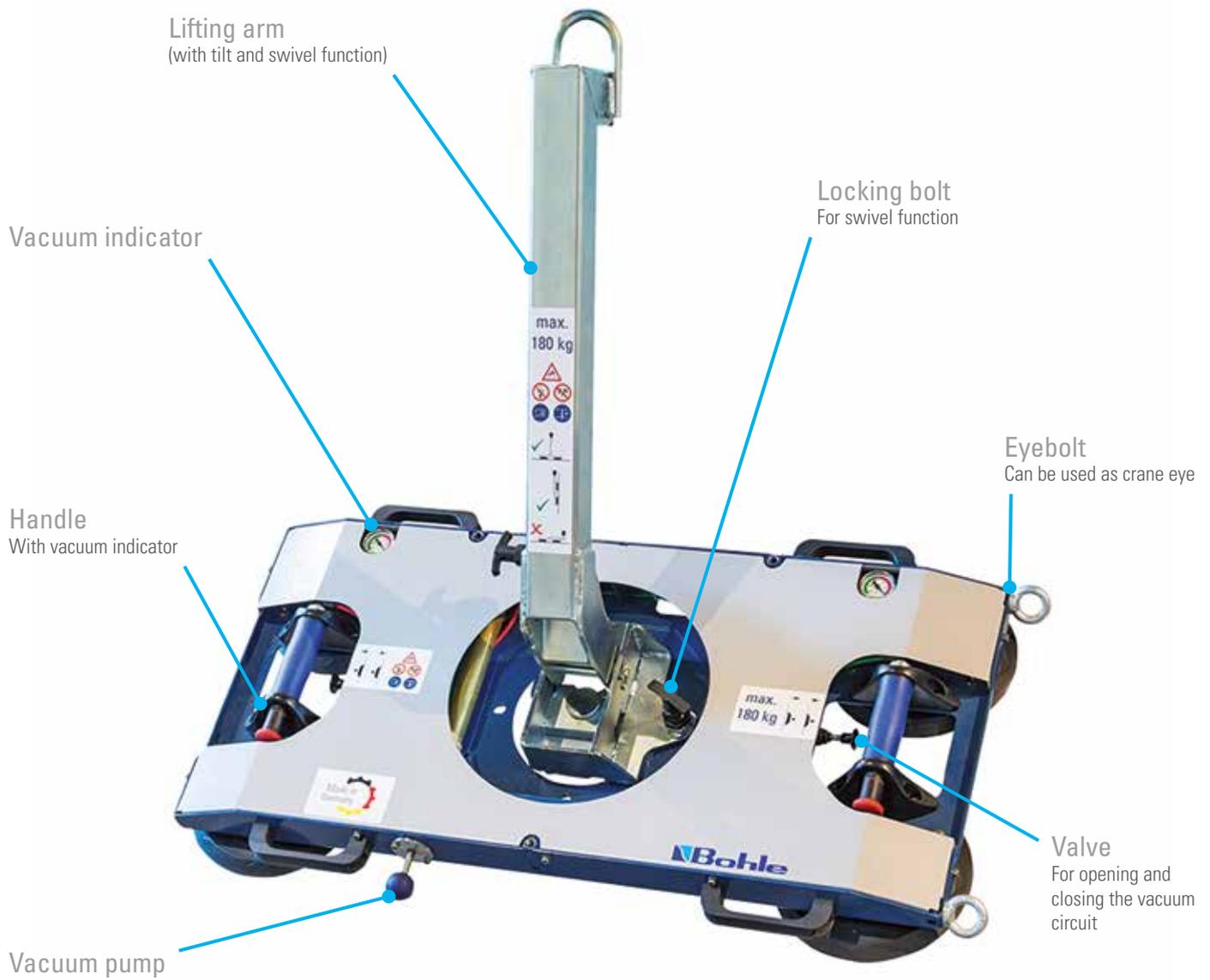
- Vacuum generation with manual pump, therefore always ready for use (independent of power supply, no charging of batteries required)
- Dual circuit vacuum system with 4 suction pads
- For use at the construction site or in the workshop
- Very flat and compact
- Weight only 31 kg
- Load capacity 180 kg
- Vacuum indicator for monitoring the vacuum
- Can be rotated by 360°/ tilted by 90°

## Product highlights

The manual lifting device does not need 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.

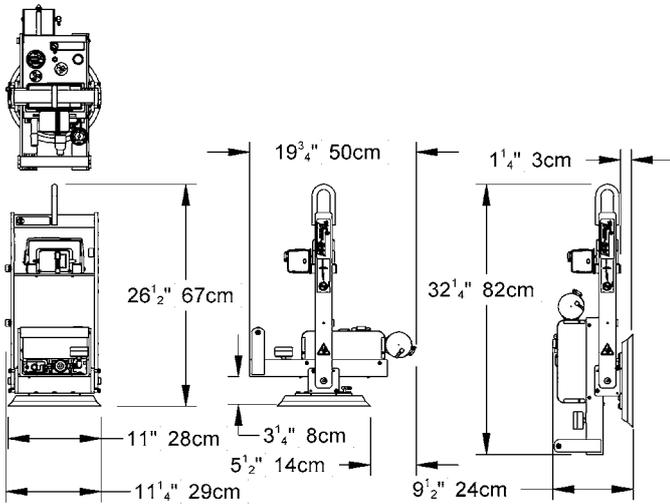
TECHNICAL DATA	ART. NO.
	<b>BO B18DM4</b>
Suction pad	Four rubber suction pads, Ø 210 mm
Load capacity	180 kg
Rotating range	Manual, 360°, with four locking positions
Swivel range	Manual, 90°, can be locked in vertical position
Vacuum pump	Manual
Vacuum indication via vacuum gauge	2
Maximum operating altitude	1,680 m above sea level
Working temperatures	10° - +40° C





Load capacity max.  
**180 kg**

# Wood's Powr-Grip<sup>®</sup> Vacuum Lifters



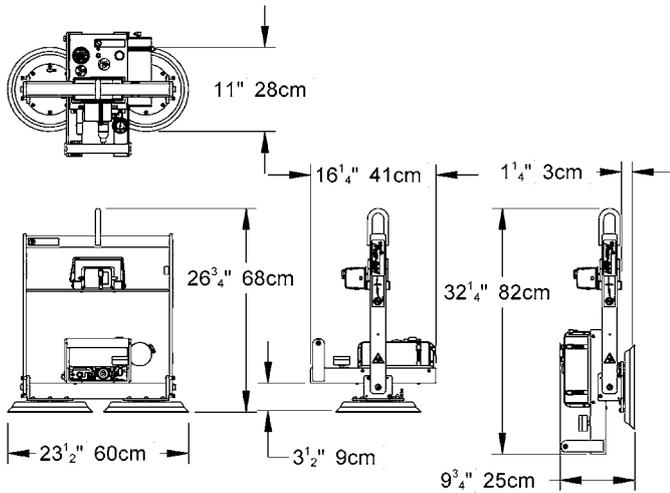
- Ideal for transport and installation in limited space conditions
- Compact, robust construction
- For use in workshops
- High holding capacity
- Battery driven, 12 V, integrated charger
- For small to medium glass sizes

Load capacity max.

**70 kg**

This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions, it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 70 kg. The device is equipped with a 90° tilting function.

TECHNICAL DATA	ART. NO.
	B0 W7A1 (Available on request in UK)
Load capacity	70 kg
Number of suction pads	1
Tilting	90°
Rotating	-



- 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
- Battery driven, 12 V, integrated charger
- For small to medium glass sizes

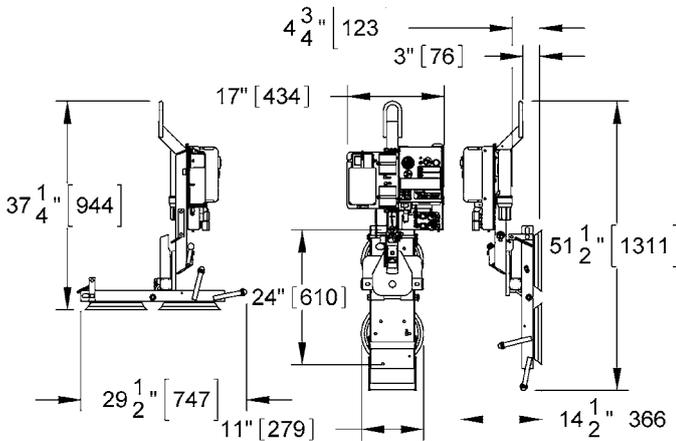
Load capacity max.  
**135 kg**



This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions, it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 135 kg. The device is equipped with a manual 90° tilting function. Battery powered, it is equipped with a dual circuit vacuum system and can therefore also be used at construction sites.

TECHNICAL DATA	ART. NO.
	BO W14DA2 (Available on request in UK)
Load capacity	135 kg
Number of suction pads	2
Tilting	90°
Rotating	-

# Wood's Powr-Grip® Vacuum Lifters



- 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
- Battery driven, 12 V, integrated charger

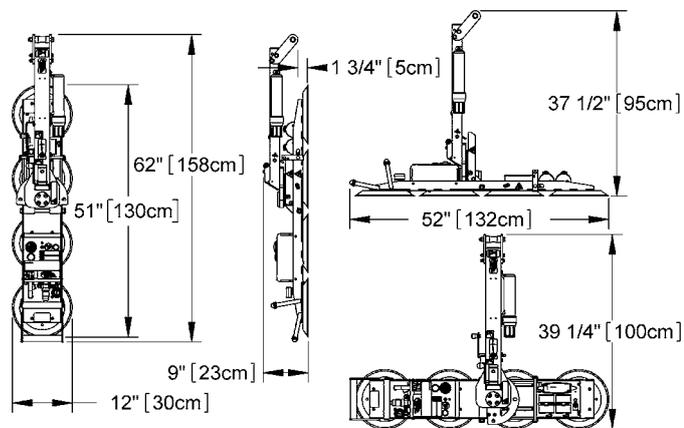
Load capacity max.

**135 kg**



This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions, it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 135 kg. With manual 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.

TECHNICAL DATA	ART. NO.
	<b>BO W14DA2S (Available on request in UK)</b>
Load capacity	135 kg
Number of suction pads	2
Tilting	90°
Rotating	180°



- 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
- Battery driven, 12 V, integrated charger
- Available upon request in plastic box for transport and storage (W32DA4SB)
- Self-check and monitoring thanks to integrated SPS control system (INTELLI-GRIP)

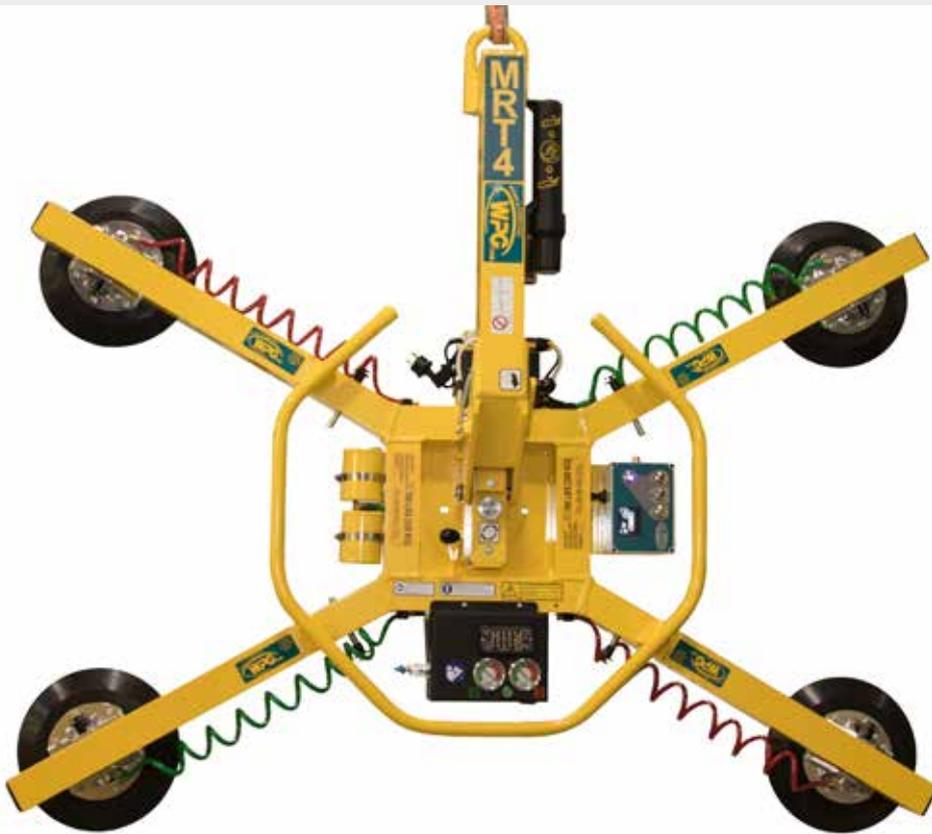
Load capacity max.  
**320 kg**



This vacuum lifter is designed to be particularly lightweight and space-saving. Thanks to its narrow dimensions, it is also ideal for applications that are especially difficult. Nevertheless, it can handle loads up to 320 kg. With manual 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.

TECHNICAL DATA	ART. NO.	
	BO W32DA4S (UK & ROI code BO 6009819 - 110 V)	BO W32DA4SB
Load capacity	320 kg	320 kg
Number of suction pads	4	4
Tilting	90°	90°
Rotating	180°	180°
Accessories	-	Incl. plastic storage box

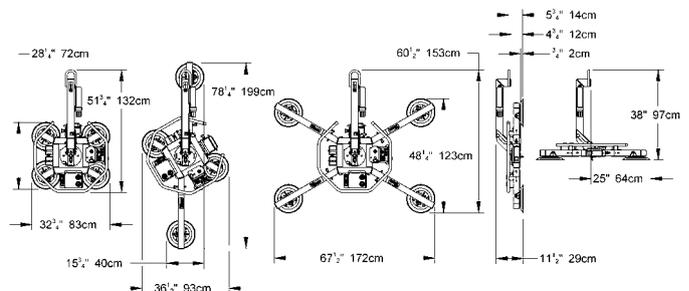
# Wood's Powr-Grip® Vacuum Lifters



Load capacity max.

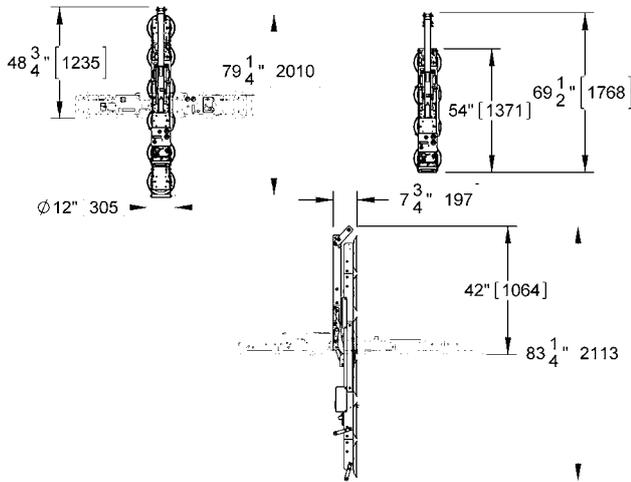
**320 kg**

- Adapts to diverse transport and installation requirements
- Compact, robust construction
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Battery driven, 12 V, integrated charger
- Available upon request in plastic box for transport and storage (W32DA4SB)
- Self-check and monitoring thanks to integrated SPS control system (INTELLI-GRIP)



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

TECHNICAL DATA	ART. NO.	
	BO W32DA4 (UK and ROI code BO 6009822 - 110 V)	BO W32DA4B
Load capacity	320 kg	320 kg
Number of suction pads	4	4
Tilting	90°	90°
Rotating	360°	360°
Accessories	-	incl. plastic storage box



- 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
- Battery driven, 12 V, integrated charger

Load capacity max.  
**500 kg**



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

TECHNICAL DATA	ART. NO.
	BO W50DA6CH (UK & ROI code BO 60098960 - 110 V. By order only)
Load capacity	500 kg
Number of suction pads	6
Tilting	90°
Rotating	180°

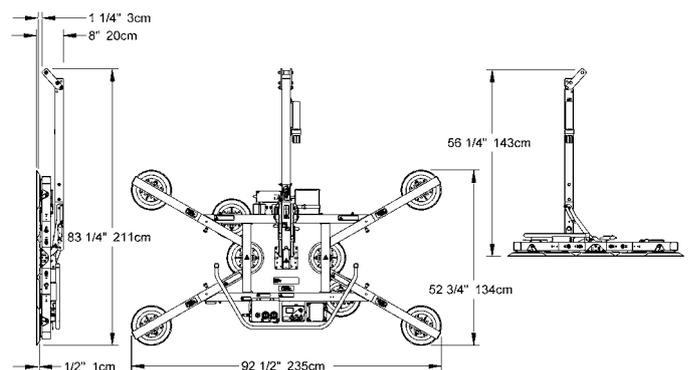
# Wood's Powr-Grip® Vacuum Lifters



Load capacity max.  
**500 kg**

- Flat design measures only 203 mm for optimum handling under tight conditions
- Especially wide range of configurations
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Battery driven, 12 V, integrated charger
- Self-check and monitoring thanks to integrated SPS control system (INTELLI-GRIP)

This vacuum lifter, designed with especially slim profiles, is ideally suited for use in confined spaces, e.g. between buildings or scaffolds. This device enables rotating the load manually by 180° and tilting it by 90°. The load capacity amounts to 500 kg, and the dual circuit vacuum system guarantees highest safety during transport.



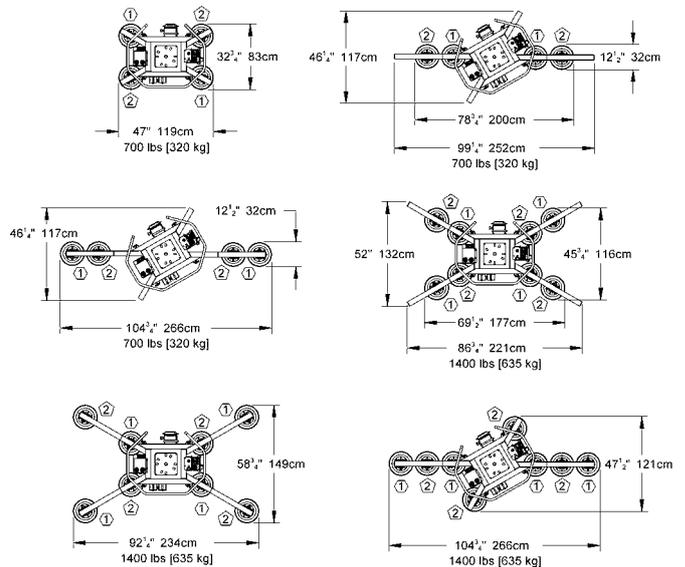
TECHNICAL DATA	ART. NO.
	BO W50DA8S (Available on request in UK)
Load capacity	500 kg
Number of suction pads	8
Tilting	90°
Rotating	180°



Load capacity max.  
**635 kg**

- Adapts to diverse transport and installation requirements
- Especially wide range of configurations
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Battery driven, 12 V, integrated charger
- Self-check and monitoring thanks to integrated SPS control system (INTELLI-GRIP)

This vacuum lifter offers a rotating function of 360°, as well as a mechanically assisted 90° tilting function for handling large and heavy loads. It has a load capacity of 635 kg. As all Powr-Grip® vacuum lifters offered by Bohle, this model fully complies with the provisions of DIN EN 13155.



TECHNICAL DATA

ART. NO.

BO W63DA8N (UK and ROI code BO 6009840 - 110 V)

Load capacity	635 kg
Number of suction pads	8
Tilting	90°
Rotating	360°

# Wood's Powr-Grip<sup>®</sup> Vacuum Lifters

- Adapts to diverse transport and installation requirements
- Especially wide range of configurations
- For use at construction sites or workshops
- Excellent gripping power and maximum security with dual circuit vacuum system
- Battery driven, 12 V, integrated charger

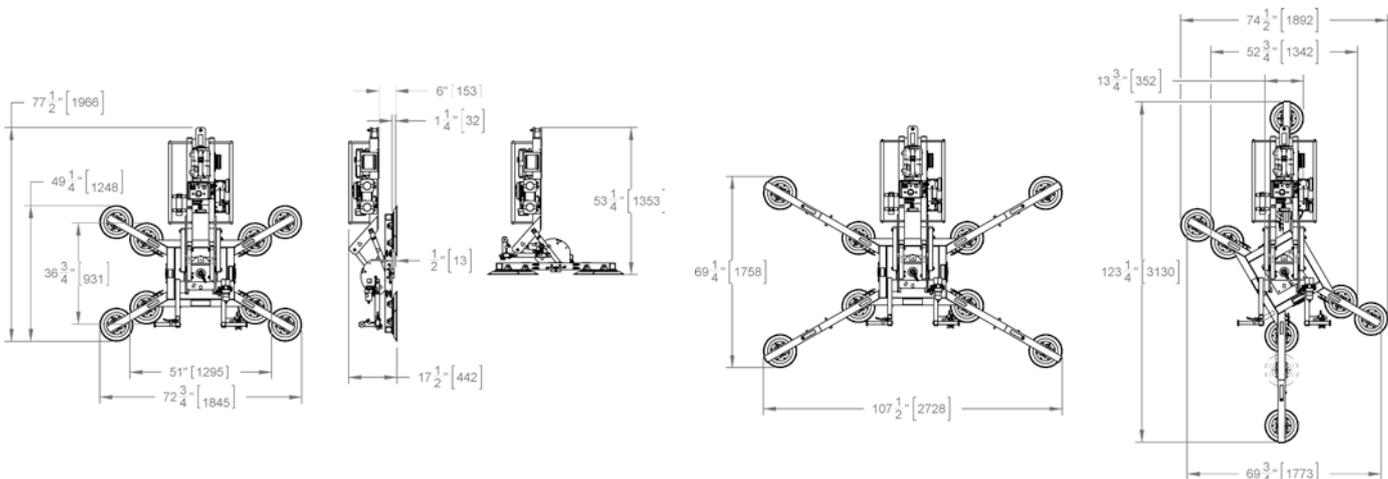
Apart from a high performance vacuum system, this vacuum lifting equipment offers a continuous 360° rotating option, mechanically assisted manual 90° tilting and a wide array of different frame configurations. This guarantees maximum performance and versatility on the site and during production. It has a load capacity of 635 kg. High safety thanks to dual circuit vacuum system.

Load capacity max.

**635 kg**



TECHNICAL DATA	ART. NO.
	BO W63DA8 (Available on request in UK)
Load capacity	635 kg
Number of suction pads	8
Tilting	90°
Rotating	360°



# Accessories

## Plastic Storage Box



DESCRIPTION	ART. NO.
For W32DA4 / 6009822	<b>BO MRTBOX</b>
For W32DA4S / 6009819	<b>BO W32P1BOX</b> (BO 6053005)

## Optional Remote Control Systems



This option enables the operator to fix or loosen loads from remote locations, which may be required for installation purposes on multi-storey buildings. Optional remote control system for older Wood's lifting systems are available on request.

**i** Radio controlled (radio signal with frequency modulation) · compliance with FCC and EC regulations · no operating license required · radio codes avoid dangers resulting from interference from other radio or television programmes or electromagnetic radiation sources · different frequencies available to ensure trouble-free operation of several systems at the same location · radio range up to 76 m

DESCRIPTION	ART. NO.
For Intelli-Grip lifting systems	<b>BO 659906AM</b>

## Forklift Adaptor / for W32DA4



For applications together with a forklift, e.g. for installations under eaves or other interior applications where using a crane is not possible.

ART. NO.
<b>BO 6095722</b>

## Extension Arms for W32DA4

For applications requiring a larger distance between suction pads to minimise the protrusion of materials as far as possible.



LENGHT	ART. NO.
85 cm	<b>BO 6095725</b>
57 cm	<b>BO 6095720</b>

# Accessories



## Lifting Arm with Adjustable Length for W32DA4

For applications requiring increased horizontal reach at the hook point or applications involving minimal clearance between the lifter and the hoisting equipment, such as installations under eaves or similar handling situations.

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 ART. NO.

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**BO 6095723**


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## Check Valve

Vacuum generation of suction pads individually controllable, for lifting material with smaller dimensions than the minimum reach of suction pads.

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 ART. NO.

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**BO 6093012**


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## Extension for Adjustable Suction Pad Holder (90 - 110 mm)

For applications on window elements with transoms or sash elements

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 ART. NO.

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**BO 6CM6MEVL**


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## Batteries

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 DESCRIPTION

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 12 V · 6.5 - 7 A

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 12 V · 6.5 - 18 A

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 ART. NO.

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**BO 6064664**


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**BO 6064665**


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Wood's Powr-Grip® Suction Pad  
Type VPF59 ø 229 mm

**i** flat/interior with sieve filter

DIAMETER	ART. NO.
229 mm	BO 6049506



Wood's Powr-Grip® Suction Pad  
Type G0750 ø 250 mm

**i** concave - for curved glass panes

DIAMETER	ART. NO.
250 mm	BO 6049586



Wood's Powr-Grip® Suction Pad  
Type HV11 ø 250 mm

**i** lipped

DIAMETER	ART. NO.
250 mm	BO 6049605T



Wood's Powr-Grip® Suction Pad  
Type VPFS10T ø 250 mm

Abrasion resistant version for areas in which the suction pads may be subject to wear by abrasive particles

**i** with foam rubber ring - for rough surfaces

DIAMETER	ART. NO.
250 mm	BO 6VPFS10T



Wood's Powr-Grip® Suction Pad  
Type VPFS10T ø 250 mm

**i** with foam rubber ring (black) - for rough surfaces

DIAMETER	ART. NO.
250 mm	BO 6049672T



Wood's Powr-Grip® Suction Pad  
Type HV11F ø 250 mm

**i** Lipped with foam rubber ring - for rough surfaces and stone

DIAMETER	ART. NO.
250 mm	BO 6049614T

When different suction pads (type, material, diameter) are used, the maximum load capacities of the lifting systems may decrease!



### Wood's Powr-Grip® Suction Pad Type G3370 ø 280 mm

**i** lipped

DIAMETER	ART. NO.
280 mm	BO 6049646



### Wood's Powr-Grip® Suction Pad Type G3370 ø 280 mm

**i** lipped · avoids soiling · leaves practically no marks

DIAMETER	ART. NO.
280 mm	BO 6049643T



### Wood's Powr-Grip® Suction Pad Type G3370 ø 280 mm

**i** for coated surfaces (Low-E etc.)

DIAMETER	ART. NO.
280 mm	BO 6049657T



### Protective Cover

FOR DIAMETER	ART. NO.
229 - 280 mm	BO 6029353

# Glass Transporting Pliers

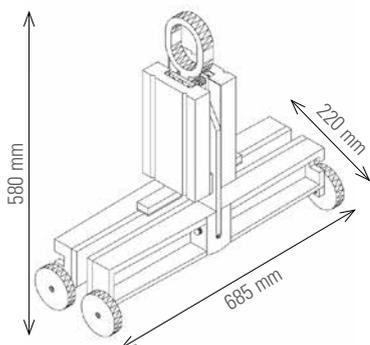
- For handling of various sheet materials
- Easy and secure handling
- Load capacity of up to 1000 kg

## Product highlights

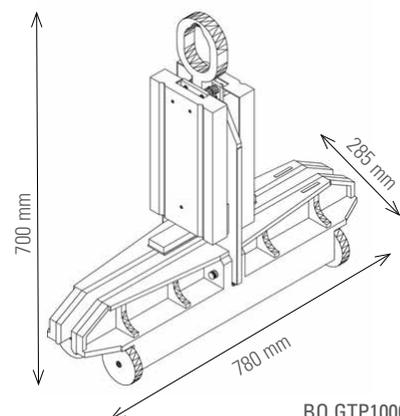


Sturdy transporting pliers for handling all kinds of sheet material. This device excels due to its particularly simple and safe handling. With a hoisting tool, simply lift the glass transporting pliers above the object to be transported. When placed onto the plate, a mechanism is set in motion which 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.

TECHNICAL DATA	ART. NO.			
	BO GTP500	BO GTP1000	BO GTP1030	BO GTP1050
Load capacity	500 kg	1000 kg	1000 kg	1000 kg
Material thickness	3 - 19 mm	4 - 24 mm	10 - 30 mm	30 - 50 mm
Dimensions (W x D x H)	685 x 580 x 220 mm	780 x 700 x 285 mm	780 x 700 x 285 mm	780 x 700 x 285 mm
Max. dimensions for load	3210 x 2550 mm	6000 x 3210 mm	6000 x 3210 mm	6000 x 3210 mm



BO GTP500



BO GTP1000

# Tilting Table for Glaziers

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

## Product highlights



The Bohle Glazier's Tilting Table stands out due to its outstanding price/performance ratio and can be flexibly used as cutting table or workplace. The table is coated with high quality black felt.

Compared to other providers, this tilting table is equipped with a sturdy, continuous tabletop and is supplied completely assembled – no more time-consuming installation required, no more cutting problems due to uneven table surfaces.

TECHNICAL DATA	ART. NO.
	BO WSTT
Dimensions (W x D x H)	2500 x 1700 x 900 mm
Max. load	225 kg
Tilting	manual



## 1. Working

The tilting table BO WSTT is equipped with a generous worktop of 170 x 250 cm, covered with resistant and durable felt. The sturdy construction is very resilient and excels due to its reduced weight. Crossed support tubes ensure a robust and stable worktop surface with a height of 90 cm. The load capacity is 225 kg.



## 2. Tilting

This construction, working according to the scissor principle, shifts the pivot to the front, while lifting the worktop. In this way the tilting table BO WSTT can be tilted manually without effort and without an additional weight for a counterweight system needed. Nylon washers allow for smooth and silent movement. While tilting, glass panes or other sheet materials rest on nylon supports (which can be removed if not needed).



## 3. Move / store

Fold up the table and pull in the reinforcement arm, in order to lock the unit into place. Afterwards the tilting table BO WSTT can be moved or stored. Due to its compact profile with a depth of 69 cm and a height of 211 cm, the tilting table can easily be rested against a wall for storage. It can also be rolled along narrow corridors or through door openings, and it fits into a goods lift without any problems. The table can even be transported to construction sites as it weighs only 188 kg.

# WASHING MACHINES

You can count on the automatic washing machine for achieving optimum and reliable cleaning results for flat glass. Thanks to several brushes, thermostatically controlled water heating and fresh water rinsing, the machine excels due to its especially high washing quality. In addition, a sound-insulated drying zone enables a crystal-clear finish.





# Verti-Clean Glass Washing Machine

- Motor-driven inlet and outlet with shut-off
- Four brushes clean each glass pane thoroughly and reliably.
- Thermostat-controlled warm water preparation for consistent cleaning process
- Optional fresh water rinsing enables optimum cleaning results and prepares the glass for further processing.
- Silenced and low-noise drying zone with automatic hot-air blower
- Convenient visual quality control thanks to lighting module on the exit side
- Space-saving vertical design

## Product highlights



The powerful Bohle Verti-Clean glass washing machine is ideally suited for cleaning flat glass in the workshop or industrial applications. The automatic infeed forwards the glass into the washing area where it is thoroughly cleaned with four brushes.

**i** Light panel at the inlet · Number of brushes 4 · Minimum glass size 280 x 100 mm · Transport system rollers · Machine body stainless steel · Working height 580 ± 30 mm · Construction open at the top · Running direction from right to left (left to right upon request) · Speed 1 - 5 m/min · Inlet length 1400 mm · Outlet length 2000 mm · Washing zones 3 · Pumps 2 · Warm water yes · Total length 5100 mm · Depth (without fan) 1100 mm · Total depth (approx.) 1500 mm · Overall capacity 9.5 kW

TECHNICAL DATA	ART. NO.		
	BO 84.154	BO 84.164	BO 84.164-2
Washing height	1500 mm	1600 mm	1600 mm
Glass thickness	3-12 mm	3-12 mm	3-20 mm
Total height	2150 mm	2250 mm	2250 mm



## Extension of Automatic Entry / Exit Area

DESCRIPTION	ART. NO.
Supplementary unit for extending the entry section to 2800 mm, enables working with glass panes of up to 3500 mm	BO 84.E14
Supplementary unit for extending the entry section to 3400 mm	BO 84.E20
Supplementary unit for extending the exit section to 3400 mm	BO 84.A14
Supplementary unit for extending the exit section to 4000 mm	BO 84.A20
Light panel for additional exit module	BO 84.L



## Washing Compound for Glass Washing Machines

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

**i** Contents 20 kg

ART. NO.
BO 5002821



## Pre-wash Station

Especially suitable for sandblasted glass, among others

ART. NO.
BO 84.PWS

# MOBILE MACHINES

Bohle offers a comprehensive portfolio of mobile glass processing machines and manual tools for grinding, drilling and sawing of glass. Comprehensive accessories for glass grinding, drilling and sawing, as well as tailor-made consumables complement the range. The well-arranged offers facilitate the efficient use of these technologies for all users and all fields of application.





# Grinding



## Makita Belt Grinding Machine 9404

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

Please note: This tool is for dry grinding only!

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

ART. NO.

BO 5300405



## Accessories for Makita Belt Grinding Machine

The following table contains a list of practical accessories.

DESCRIPTION	ART. NO.
Support	BO 5300408
Cork sheet	BO 5300406
Graphite sheet	BO 5300407
Dust collection bag	BO 5300409



## Grinding and Polishing Belts

You will find suitable grinding and polishing belts in the following table.

**i** Length 610 mm · Width 100 mm

DESCRIPTION - GRIT	ART. NO.
SIC abrasive belt · 60	BO 5061006
SIC abrasive belt · 80	BO 5061008
SIC abrasive belt · 100	BO 5061010
SIC abrasive belt · 120	BO 5061012
SIC abrasive belt · 150	BO 5061015
SIC abrasive belt · 180	BO 5061018
SIC abrasive belt · 240	BO 5061024
SIC abrasive belt · 320	BO 5061032
Cork polishing belt Norton W4415	BO 5061001N

Lightweight, handy, yet powerful electronic and compressed air devices are indispensable for reworking tasks on site or in the workshop. With Bohle you always find the suitable machine, both for arissing edges and for polishing corner cut-outs and inner radii.



## Flex Wet Belt Grinder

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

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

DESCRIPTION	ART. NO.
Flex wet belt grinder for isolation transformer	BO 80.107
Flex wet belt grinder with PRCD safety switch	BO 80.108
Spare carbon brushes	BO 80.B1107
Grinding arm complete	SP 80.B0484
Draw roll complete	BO 78.BG021
Grinding shoe, curved	SP 78.BG003
Grinding shoe, flat	SP 78.BG005
Gliding pad	SP 78.T0007



## Multi-Purpose Sander Makita 9031

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

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

DESCRIPTION	ART. NO.
Multi-purpose sander Makita 9031	BO 5300300
Gliding shoe	BO 5300302
Deflection roller, complete	BO 5300300R
Spare carbon brush MAKITA 9031	BO 5300303
Spare carbon brush MAKITA 9030	BO 5300301

# Grinding



## Diamond Grinding Belt, Standard Quality KGS Flexis®

The standard abrasive diamond belts have a diamond coating in the traditional "island" arrangement and excel due to their improved attachment to the support material. This ensures longer service life, high abrasive capacity and thus efficient work results. These Bohle abrasive diamond belts offer high quality at an economical price. · for Flex wet belt grinder

**i** Length 533 mm · Width 30 mm

GRIT · COLOUR	ART. NO.
K 60 / N 250 · green	BO 5453306
K 120 / N 125 · black	BO 5453312
K 220 / N 74 · red	BO 5453322
K 400 / N 40 · yellow	BO 5453340
K 600 / N 20 · white	BO 5453360
K 1000 / N 10 · blue	BO 5453310



## Diamond Grinding Belt, Industrial Quality KGS Telum®

These abrasive diamond belts offer superior grinding abilities and high quality results, with reduced grinding times. The sturdy, closely interlocking, arrow shaped Telum® pattern – with lines in all directions and a strong grip on the support fabric – stays in permanent contact with the workpiece and ensures highest grinding comfort thanks to its seamless fabrication. In addition, the pattern structure enables optimum heat dissipation. KGS Telum® Abrasive diamond belts offer top quality and excellent value for money. · for Flex wet belt grinder

**i** Length 533 mm · Width 30 mm

GRIT · COLOUR	ART. NO.
K 60 / N 250 · green	BO 5553306
K 120 / N 125 · black	BO 5553312
K 220 / N 74 · red	BO 5553322
K 400 / N 40 · yellow	BO 5553340
K 600 / N 20 · white	BO 5553360
K 1000 / N 10 · blue	BO 5553310



## Diamond Abrasive Belts for Dry Arrissing KGS SDA®

The first diamond belt which is equally suitable for dry and wet grinding. · for Flex wet belt grinder and Makita 9031 multi-purpose sander

**i** Length 533 mm · Width 30 mm

GRIT · COLOUR	ART. NO.
60 · green	BO 5453306T
100 · black	BO 5453310T
200 · red	BO 5453320T
400 · yellow	BO 5453340T



## Silicon Carbide Abrasive Belts VSM CK 721X

When grinding glass, a milky, dull finish is produced · good abrasive capacity · good service life · for universal use · for Flex wet belt grinder and Makita 9031 multi-purpose sander

**i** Length 533 mm · Width 30 mm

GRIT	ART. NO.
60	BO 5053306
80	BO 5053308
100	BO 5053310
120	BO 5053312
150	BO 5053315

GRIT	ART. NO.
180	BO 5053318
220	BO 5053322
240	BO 5053324
320	BO 5053332
400	BO 5053340



## Grinding and Polishing Belts 3M Trizact

For Flex wet belt grinder and Makita 9031 multi-purpose sander

**i** Length 533 mm · Width 30 mm

DESCRIPTION · COLOUR	ART. NO.
Polishing belt, A5 · brown	BO 5053305
Abrasive belt, A35 · green	BO 5053335



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

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

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

DESCRIPTION	ART. NO.
DB 10 pneumatic drilling machine	BO 79.102



### Abrasive Cartridges

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

**i** Shaft diameter 6 mm

DIAMETER · HEIGHT	ART. NO.
15 mm · 30 mm	BO 5007545
45 mm · 30 mm	BO 5007546



### Diamond Cartridges Ø 15 mm KGS Flexis® Spiral

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

**i** N = for grinding · R = for polishing

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



### Diamond Cartridges Ø 45 mm KGS Flexis® Spiral

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

**i** N = for grinding · R = for polishing

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

# Grinding



## Manual Edge Coating Deleter

Electrical edge coating deleter for Low-E glass · for glass with straight or shaped edges · guided along the glass edge with stopper rollers · manual grinding pressure and forward feed · 1200 - 3700 rpm · 1200 W · 230V / 50Hz

**i** Size Abrasive Wheels 125 x 10 x 76.2 mm · Please note: Supplied without grinding disc.

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ART. NO.

BO 89.110

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## Abrasive Wheels

For edge coating deleter BO 89.100 / BO 89.110 and other makes · suitable for the most popular Low-E soft coatings · on request also possible for modified glass coatings and further pane dimensions.  
Norton Beartex: Especially flexible grinding fleece with outstanding abrasive properties; gentle to coating removal drive motors of cuttings plants.

### Please note:

Please check which type is suitable for your specific application. Type Elastic=low hardness, Type MT=medium hardness, Type HT=higher hardness

TYPE · OUTER DIAMETER · THICKNESS · BORE HOLE	ART. NO.
MT · 125 mm · 10 mm · 76.2 mm	BO 5042001
HT · 125 mm · 10 mm · 76.2 mm	BO 5042003
Elastic · 125 mm · 10 mm · 76.2 mm	BO 5042005
HT · 150 mm · 10 mm · 25.4 mm	BO 5042009H
MT · 175 mm · 20 mm · 76.2 mm	BO 5042023
HT · 195 mm · 20 mm · 6 mm	BO 5042022
MT · 200 mm · 10 mm · 76.2 mm	BO 5042002
HT · 200 mm · 10 mm · 76.2 mm	BO 5042004
Elastic · 200 mm · 10 mm · 76.2 mm	BO 5042008
Norton Beartex D18-S fine · 200 mm · 10 mm · 76.2 mm	BO 5042020
Elastic · 200 mm · 12 mm · 76.2 mm	BO 5042011
Elastic · 200 mm · 15 mm · 76.2 mm	BO 5042010
HT · 200 mm · 20 mm · 76.2 mm	BO 5042006
Elastic · 200 mm · 20 mm · 76.2 mm	BO 5042007
Norton Beartex D18-S fine · 200 mm · 20 mm · 76.2 mm	BO 5042021
Elastic · 200 mm · 24 mm · 76.2 mm	BO 5042012

# Drilling



## Aqua Drill Power+

Experienced users know what happens if something goes wrong while drilling tiles or granite plates: frustration, loss of time, additional costs. Nevertheless, this can all be avoided with the right equipment. The Aqua Drill Power+ cordless wet drilling machine from Bohle has everything you need to drill through the hardest materials quickly and, most importantly, break-proof. Above all, two factors are decisive for break-proof drilling results: firstly, to keep temperatures low and secondly to exert as little pressure as possible. Aqua Drill Power+ does it all. The permanent water supply and drainage enable optimum cooling, and the diamond drilling tools used guarantee maximum abrasion with minimum contact pressure. In combination with a drilling aid, which is available in three different versions, Aqua Drill Power+ achieves trend-setting drilling comfort and full control when applying the drill, without undesired movement of the device.

With a torque of 60 Nm and the highest speed currently available on the market – that is 3,800 rpm. – the power pack knows no natural limits. The result is surprisingly quick and break-proof drilling as well as clean and contamination-free drilling. In addition, Aqua Drill Power+ proves flexible: The machine can either be used for wet drilling or for impact drilling or screwing applications.

Portable drilling machines are used for numerous tasks on site or in the workshop. Bohle offers high performance small appliances and the corresponding accessories.



**Product highlights**

- Adjustable torque control
- Four switchable speeds from 0 to 3800 rpm
- Sturdy metal gear
- 43 mm collar for use in the drill stand
- Drill diameter 4 - 70 mm
- Universal drill connection 1/2"

**Included in delivery**

- 1 FESTOOL PDC cordless impact drilling machine
- 1 High quality Bohle water feed chuck
- 1 Fast coupling for water intake
- 1 High performance lithium-ion battery, 18 V / 5.2 AH
- 1 Quick exchange standard chuck
- 1 Spare battery 18 V / 5.2 Ah
- 1 Battery charger
- 1 Chuck
- 1 Systainer tool case

DESCRIPTION	ART. NO.
Aqua Drill Power+	BO 79.303
Spare battery 18V / 5.2 Ah	BO 79.B1852



**Drilling Aid Template with Water Feed**

Optimum cooling for break-proof drilling · permanent water supply and drainage · special exchangeable drill bushings for 6, 8, 10 and 12 mm diameters · includes storage case

ART. NO.  
BO 79.350



**Drilling Aid for Pin Drill**

With vacuum suction holder and adjustable drill plate · Drill diameters 6, 8, 10, 12 mm

ART. NO.  
BO 79.351



**Drilling Aid - Adjustable**

With vacuum suction holders and adjustable universal drill guide · Diameter adjustable 20 - 70 mm

ART. NO.  
BO 79.352





## Diamond Countersinks, Industrial Quality

Other diameters on request

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

DIAMETER	ART. NO.
Slotted 20 mm	BO 5001520
Slotted 35 mm	BO 5001535
Segmented 15/50 mm	BO 5001550



## ProXtreme Concrete & Natural Stone Drill Bit

Triangular shaft · Anchors safely secured due to precise hole geometry

Ø · WORK DEPTH · LENGTH	ART. NO.
6 mm · 60 mm · 125 mm	BO 79.3806
8 mm · 80 mm · 145 mm	BO 79.3808
10 mm · 80 mm · 145 mm	BO 79.3810
12 mm · 80 mm · 145 mm	BO 79.3812



## Deep Hole Marker Pica Dry

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

**i** Material graphite lead 2.8 mm

DESCRIPTION	ART. NO.
Deep hole marker	BO 50079101
Spare leads, case with 10 graphite leads	BO 50079102



## Drill Hole Marker extra long

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

ART. NO.
BO 50079103



## Pressurised Spray Water Tank 12 l

Independent water supply · integrated pressure gauge · plug-in coupling for direct connection to Aqua Drill (BO 79.300, BO 79.302 + BO 79.303) · length of connecting hose 3 m · Safety valve 4 bar

DESCRIPTION	ART. NO.
Pressurised spray water tank 12 l	BO 79.370
Spare pump	BO 79.B1262
Gardena adaptor nipple	SP 79.BG098
Manometer 6 bar for 79.350	SP 79.B1261



## Water Feed Chuck

Suitable for Aqua Drill Power+

ART. NO.
SP 79.BG119

# Drilling



## Water Feed Chuck

Stainless steel shaft · for diamond drills with 1/2" thread · fits drill stand BO 760.5 and all standard drilling machines with 43 mm collar diameter · Spare part for BO 79.300 but is not suitable for BO 79.302 and BO 79.303!

**i** Spanner 24 mm

ART. NO.

SP 79.BG095



## Water Feed Chuck

With MK2 morse taper · for diamond hollow drills with 1/2" thread · fits drill stands · Spanner 32 mm

ART. NO.

BO 79.12



## Water Feed Chuck

Water feed chuck with shaft for standard drill chucks of any cordless drilling machine · a low-price alternative instead of using diamond hollow drills for drilling glass and tiles.

**i** Thread 1/2"

ART. NO.

BO 79.12A



## Flexible Water Feed with Suction Base

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

ART. NO.

BO 78.91



## Safety Extension Lead

Safety extension lead to provide electrical personal protection for portable, non-hand-guided wet working machinery, e.g. drill stations · with PRCD safety switch 10 mA

ART. NO.

BO 80.105



## Flex Diamond Saw for Laminated Glass

The Flex diamond saw for laminated safety glass BO 5301617 is suitable for straight cuts in laminated safety glass or glass panes up to 40 mm thick. A parallel stopper is slid into the lateral guides and fixed with the two T-screws. The enclosed stainless steel slide plate with felt for scratch prevention on glass surfaces is placed on the base plate of the saw so that it fits onto the side notches and is wedged into place.

**i** Special diamond cutting blade for flat glass with or without PVB films  
 ø150 / 22.2 mm · No-load speed 6200 rpm · Power consumption 1400 W ·  
 Power output 840 W · Weight 4.5 kg

---

ART. NO.

BO 5301617

---



## Segmented Diamond Saw Blade Ø 150 mm

Suitable for all common flat glass with or without PVB films

**i** Diameter 150 mm · Bore hole 22.2 mm

---

VERSION

ART. NO.

Segmented for laminated safety glass

BO 5301611

---



## Diamond Saw Blade Ø 115 mm

Can be used for any Flex - dry cutting of ceramics, stoneware tiles, concrete parts, virgin stone... (optimal way 5000 - 11500 rpm). Please note that this is not suitable for dry cutting of glass!

---

DESCRIPTION · VERSION · THICKNESS

ART. NO.

Diamond saw blade ø 115/22.2 mm

BO 79.461

---

# Sawing



## Guide Rail

Made of aluminium · as a stopper for straight cuts

LENGTH	ART. NO.
800 mm	BO 5301613
1600 mm	BO 5301616



## Connector for Guide Rail

To connect 2 guide rails

ART. NO.
BO 5301614



## Suction Holder for Guide Rails

In pairs · prevents the guide rail from slipping on smooth or wet glass surfaces · sturdy Bohle suction holder · robust aluminium construction

ART. NO.
BO 5301615



## Makita Cordless Glass Saw CC 301 DSMJ

The Makita cordless glass saw has a battery capacity of 4 Ah and is especially suitable for long, clean cuts in laminated safety glass and thick glass. The segmented saw blades BO 53001620 (available exclusively from Bohle) are particularly suited for laminated safety glass and thick glass. We recommend the 1 mm diamond saw blade for glass slotting.

DESCRIPTION	ART. NO.
Cordless glass saw CC 301 DSMJ	BO 5300210
Battery BL1040B 10.8V / 4.0Ah	BO 5300114
Makita charger	BO 5300116

Safety glass, cast resin glass, and fire protection glass are increasingly used in the most diverse areas. While multi-layered glass can only be cut by sawing, laminated glass can alternatively be scored and broken apart. But sawing laminated glass still has the advantage of avoiding scallops on the edges.



## Diamond Glass Saw Blades Ø 85 mm

DESCRIPTION · VERSION · THICKNESS	ART. NO.
Makita diamond saw blade ø 85 mm · especially suitable for white glass and tile cutting	BO 5300112
Diamond saw blade ø 85 mm · especially suitable for standard float glass · approx. 1 mm	BO 5301607
Diamond saw blade ø 85 mm · segmented · 15 mm drill hole · brand new for Makita, especially suitable for sawing laminated safety glass and float glass · approx. 1 mm	BO 53001620



## Wet Jigsaw, Pneumatic

Proven brand-name quality (Bosch) · quick exchange of saw blades · without diamond saw blade

**i** Compressed air 6 bar · Consumption 720 l/min · Cutting depth max. 20 mm · Smallest radius 75 mm

ART. NO.
BO 80.106



## Diamond Jigsaw Blade, 75 mm Long

VERSION	ART. NO.
Fine	BO 80.1060
Coarse	BO 80.1061

# Scratch Removal



## Scratch-A-Way Scratch Removal System

More than 90% of all scratches are surface scratches. They can be effortlessly removed step by step with the Scratch-A-Way scratch removal system. The worldwide patented Scratch-A-Way system stands out among the standard products thanks to its quick, safe and "invisible" results. Suitable for removing slight scratches, stains, acid marks on flat glass, insulating glass, car glass etc. The flexible rubber collar protects the working environment and the operator from dirt. When scratches are to be removed from the fringe area of already installed glass, the rubber collar can simply be removed to reach the glass edges. Scratch-A-Way can both be used in the workshop and on site.

Our glass repair systems remove any surface scratches as well as deep scratches (Trizact) from glass panes. Thanks to these devices, damage can also be removed from already installed glass.



## Scratch-A-Way Scratch Removal System, Electrical

### Included in delivery

- 1 Electrical SAW, in transport case
- 3 Polishing discs
- 1 Sponge
- 1 Felt-tip marker
- 1 Magnifying glass

**i** Version electrical · Output 250 W · Speed 6000 - 12000 rpm · Polishing disc 45 mm ø · Insulation / safety according to EN50144 / HD 400.1 + HD 400.2 · Weight 1.5 kg

DESCRIPTION	ART. NO.
Scratch-A-Way, electrical	BO 5300914



## Scratch-A-Way, Pneumatic

### Included in delivery

- 1 Pneumatic SAW, in carrying case
- 6 Polishing discs
- 1 Sponge
- 1 Felt-tip marker
- 1 Magnifying glass

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

DESCRIPTION	ART. NO.
Scratch-A-Way, pneumatic	BO 5300902

# Scratch Removal



## Polishing Disc, Ø 50 mm

For "Scratch-A-Way" · with Velcro

**1** Ø 50 mm

DESCRIPTION	ART. NO.
Polishing Disc ø 50 mm	BO 5300911



## Rubber Collar

For Scratch-A-Way

DESCRIPTION	ART. NO.
For BO 5300900 and BO 5300914	BO 5300906
For BO 5300902	BO 5300907



## Carbon Brushes

Suitable for Scratch-A-Way electric models · Set of 2

DESCRIPTION	ART. NO.
For BO 5300900 and BO 5300914	BO 5300908
For BO 5300901	BO 5300909



## Basic Head (Velcro)

Base plate with Velcro

ART. NO.
BO 5300910



## 3M Trizact™ Glass Repair System, Spare Parts and Consumables

This glass repair system by 3M™ is a system solution for removing scratches, deposits and corrosive burns on different glass types. It ensures a high success rate and is at the same time easy to handle.

The grinding and polishing tools enable almost dry and therefore very clean work. Compared to conventional polishing methods, it requires much less time. Scratches are removed from the glass surface until optical clarity is achieved.

The handy transport case contains all necessary tools and materials for glass repair: FLEX manual grinding machine, 230 V with variable speed (1200 - 3200 rpm · support plate ø 125 mm with M14 thread · 2 rubber support pads ø 125 mm with M14 thread · spray bottle with atomizer · 1 bottle of glass polishing compound (1 litre) for removing corrosion and deposits · 25 each of the following grinding discs: grit A 35 (green), A 10 (blue), A 5 (brown), 25 polishing discs (white) · detailed instruction manual

DESCRIPTION · COLOUR · DIAMETER · CONNECTION THREAD	ART. NO.
3M Trizact™ glass repair system	BO 5300800
Polishing disc · white · pack of 25	BO 5300801
Abrasive discs A5 · brown · pack of 25	BO 5300802
Abrasive discs A10 · blue · pack of 25	BO 5300803
Abrasive discs A35 · green · pack of 25	BO 5300804
Rubber support disc · 125 mm · outside M14	BO 5300805
Glass polishing compound, 1 litre	BO 5300806
Velcro support plate	BO 5300807
Velcro polishing and cleaning disc, pack of 5 · outside M14	BO 5300808

# Scratch Removal



## Flex Glass Polisher

In combination with the wear-resistant metal-diamond grinding discs, ideal for dry arrissing and glass edge grinding. Together with the felt polishing disc BO 5300811 suitable for removing hairline scratches, cloudy areas or stubborn dirt from glass surfaces. For use with polishing powder BO KF15001, BO KF15025 or glass polishing compound BO 5300806. Superslim body, high torque motor, light weight and practical handle. It makes glass polishing convenient and easy. The accelerator switch and speed pre-selection enable controlled acceleration to the optimum speed. FLEX sixfold microprocessor electronics: with speed stabilisation, soft start, start-up lock, overload protection, temperature monitor and speed pre-selection. High performance motor: heavy duty, 1400 W, 1100-3700 rpm idle speed.

Includes glass polisher only.

DESCRIPTION	ART. NO.
Flex glass polisher	BO 5300809
Spare felt	BO 5300810
Felt disc	BO 5300811
Velcro grinding plate, 115 mm, for use with dry grinding discs with naps in the centre	BO 5310081
Carbon brushes, pair	BO 5300812

## Metal Diamond Discs KGS Swiflex® for Dry Grinding of Glass

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



**i** Diameter 115 mm · Centre hole 15 mm

DESCRIPTION · GRIT · COLOUR	ART. NO.
60 · green	BO 5010081T
120 · black	BO 5010082T
220 · red	BO 5010083T
400 · yellow	BO 5010084T
Velcro grinding plate, 115 mm, for use with dry grinding discs with naps in the centre	BO 5310081



## Diamond Hollow Drill for Tiles

Suitable for angle grinder and Flex glass polisher

**i** For use in dry drilling applications / no water cooling required · Length 60 mm · M14 thread

Ø	ART. NO.
6 mm	BO 5090006
8 mm	BO 5090008
10 mm	BO 5090010
20 mm	BO 5090020
35 mm	BO 5090035
40 mm	BO 5090040
50 mm	BO 5090050
68 mm	BO 5090068



## KGS Flexis® Diamond Abrasive Discs for wet grinding of glass, 100 mm Ø Without Bore

Velcro · only for use together with grinding disc BO 5310082!

**i** Diameter 100 mm · without bore

DESCRIPTION · GRIT · COLOUR	ART. NO.
60 / N250 · green	BO 5010075
120 / N125 · black	BO 5010076
220 / N74 · red	BO 5010077
400 / N40 · yellow	BO 5010078
Velcro grinding disc Ø 100 mm · M14 adaptor	BO 5310082
M14 adaptor for all Velcro grinding discs, with 13 mm shaft	BO 5310084

# Scratch Removal



## KGS Flexis® Diamond Abrasive Discs for wet grinding of glass, 100 mm Ø

Velcro - only for use together with grinding disc BO 5310082!

**i** Diameter 100 mm · centre hole 25 mm

DESCRIPTION · GRIT · COLOUR	ART. NO.
60 / N250 · green	BO 5010071
120 / N125 · black	BO 5010072
220 / N74 · red	BO 5010073
800 / N20 · white	BO 5010074
Velcro grinding disc Ø 100 mm · M14 adaptor	BO 5310082
M14 adaptor for all Velcro grinding discs, with 13 mm shaft	BO 5310084



## KGS Flexis® Diamond Abrasive Discs for wet grinding of glass, 115 mm Ø

Velcro - only for use together with grinding disc BO 5310083!

**i** Diameter 115 mm · centre hole 25 mm

DESCRIPTION · GRIT · COLOUR	ART. NO.
60 / N250 · green	BO 5010081
120 / N125 · black	BO 5010082
220 / N74 · red	BO 5010083
800 / N20 · white	BO 5010084
Velcro grinding disc Ø 115 mm · M14 adaptor	BO 5310083
M14 adaptor for all Velcro grinding discs, with 13 mm shaft	BO 5310084



## Velcro Grinding Disc Ø 99 mm

Suitable for Makita 9500DW angle grinder

DESCRIPTION	ART. NO.
Velcro grinding disc Ø 99 mm · suitable for Art. No. BO 5300440	BO 5300441



## Felt Polishing Discs with Velcro Fastening

Without bore · for polishing ground glass edges and arrisses

DIAMETER	ART. NO.
100 mm	BO 5010091
115 mm	BO 5010092



## Magnifying Glass

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

ART. NO.
BO 5300903

# Polishing Agents



## Polishing Gel Containing Cerium

Cero-Gel is a high quality polishing agent based on cerium oxide. It excels due to the amount of dirt and grime it removes and the high brilliance of polished surfaces. Cero-Gel was especially developed for the window and glass industry. Hairline scratches, the first signs of glass corrosion or stains caused by cement, concrete or silicone can be easily removed in this way. Cero-Gel can be applied using the Bohle felt polishing wheel BO 5007901 together with a cordless drilling machine or, for larger surfaces, the Flex glass polisher BO 5300809 together with felt disc BO 5300811. For final polishing, we recommend using Radora Brillant BO 5008003 or simply cleaning 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° - Hairline scratch polish, surface polish for glass, stone, ceramic and natural stone -Target groups and applications: - Glaziers from trade and industry - Window manufacturers - Façade cleaners - Solar glass cleaners

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

CONTENTS	ART. NO.
100 ml	BO 5008004



## Cerium Polishing Powder

For removing small scratches or "blind" areas on glass in connection with a felt polishing wheel · mix polishing compound with water to form a paste and apply to glass surface · then carefully polish with felt polishing wheel BO 50 079 01 · for straight line edgers and flat bevelling, manual and mechanical polishing.

**i** Colour reddish

CONTENTS	ART. NO.
1 kg	BO KF15001
25 kg	BO KF15025



## Cerium Polishing Powder

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

**i** Colour white (discoloured)

CONTENTS	ART. NO.
1 kg	BO CE2601
20 kg	BO CE2620

Our glass repair systems remove any surface scratches as well as deep scratches (Trizact) from glass panes. Thanks to these devices, damages can also be removed from already installed glass.



## Hydrometer

For determining the concentration of cerium powder in polishing liquid

DESCRIPTION · CONTENTS · MATERIAL	ART. NO.
Hydrometer density spindle	BO 50028307
Measuring cylinder · 250 ml · made of highly transparent PMP	BO 50028308



## Glass Polishing Compound Velox Polisan 2

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

**i** Weight 1200 g · grit 4 - 8 · pH 7.3

ART. NO.
BO 5007903



## Radora Brilliant Glass Polishing Compound

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!

**i** Contents 500 ml

ART. NO.
BO 5008003



## Glass Edge Lacquer

For ground glass edges · durable satin sheen without polishing

CONTENTS	ART.-NR.
1 litre	BO 5007005

# How to contact Bohle

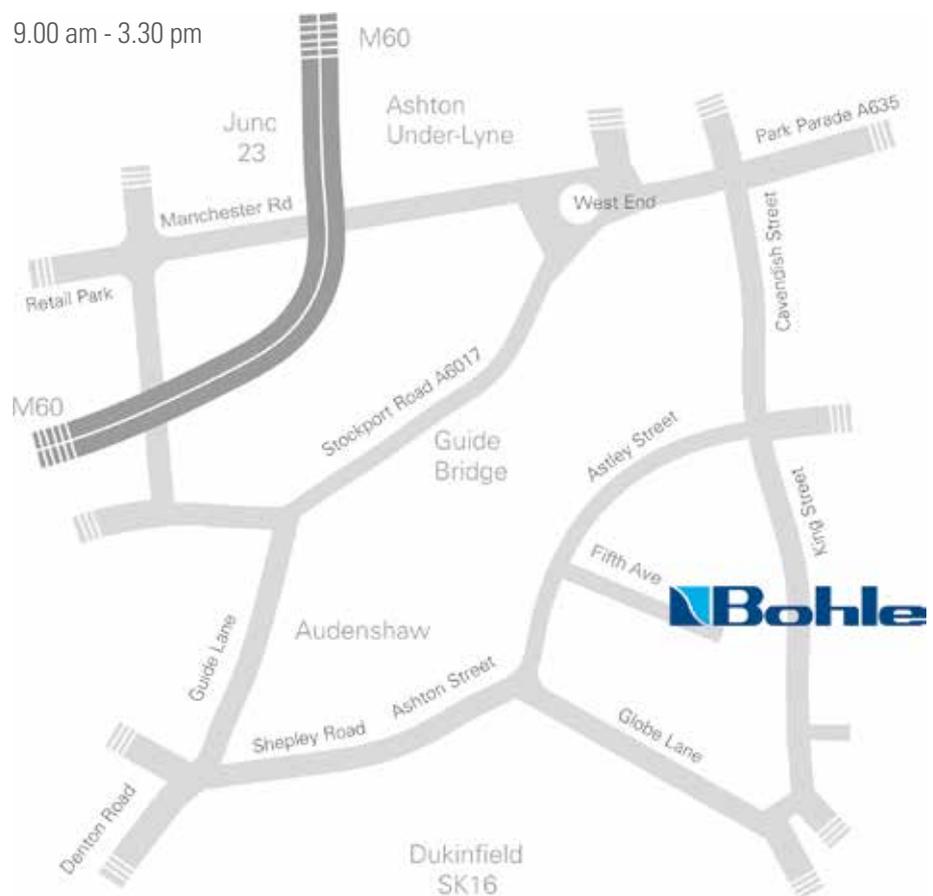
Bohle Online Shop:	<a href="http://www.bohle.com">www.bohle.com</a>
Sales Telephone:	T +44 161 3421100
Freephone:	T +44 800 616151
Sales Fax:	F +44 161 3440111
Machinery Sales & Support:	T +44 161 3421104
Account Payments Direct:	T +44 161 3421112

## Office hours

Monday to Friday 8.00 am - 5.00 pm

## Collecting goods

Monday to Friday 9.00 am - 3.30 pm



## In regard to this catalogue

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# UK & ROI Sales Conditions

## 1. Definitions

- Conditions: the terms and conditions set out in this document as amended from time to time in accordance with condition 2.c.
- Contract: the contract between Bohle and the Purchaser for the sale and purchase of the Products in accordance with these Conditions.
- Order: the Purchaser's order for the Products, as set out in the Purchaser's order form and/or Bohle's written record of any telephone order.
- Products: the products (or any part of them) set out in the Order.
- Purchaser: the person or firm who purchases the Products from Bohle.
- Specification: any specification for the Products, including any related plans and drawings, that is agreed in writing by the Purchaser and Bohle.
- Bohle: the supplier of the Products, Bohle Limited, registered in England and Wales with company number 00644864

## 2. Application

- These conditions apply to the Contract, as well as all statements made by Bohle in catalogues, brochures, price lists, quotations, on the internet or verbally, to the exclusion of any terms the Purchaser may seek to impose or which may be implied by custom, trade, practice or course of dealing. Any samples, drawings, descriptive matter, or advertising produced by Bohle and any descriptions or illustrations contained in Bohle's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Products described in them. They shall not form part of the Contract or have any contractual force.
- The Contract constitutes the entire agreement between the parties. The Purchaser acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of Bohle which is not set out in the Contract.
- Variations of these conditions are only valid if confirmed by Bohle in writing.
- Placing an Order constitutes the Purchaser's acceptance of these Conditions. The Purchaser will be responsible for ensuring that the terms of the Order and any Specification submitted by the Purchaser are complete and accurate.
- Bohle may change these Conditions at its discretion (and Bohle will notify the Purchaser of any amendments to the Conditions). For the avoidance of doubt, the Purchaser will be bound by the Conditions in force at the date of placing the relevant Order.

## 3. Orders/Contract

- Any Orders received (whether by mail, internet, phone or fax) will be deemed to have been accepted unless the Purchaser is otherwise notified by Bohle.

## 4. Price & Payment Terms

- Quotations are only valid in writing and for the stated period. A quotation shall not constitute an offer.
- The price for the Products shall be the price set out in Bohle's published price list at the date of the Purchaser's order, unless otherwise agreed in writing with Bohle.
- Bohle reserves the right to amend the specification of the Products at any time but guarantees that the amended products will deliver at least equivalent functionality and performance.
- Prices are to be understood in €(GBP) unless otherwise agreed with Bohle, net of any deductions or discounts applicable, exclusive of VAT (which shall be payable by the Purchaser in addition on receipt of a VAT invoice from Bohle), Ex-works (as defined by Incoterms 2010), excluding all other taxes, transport costs, insurance and installation. Packing, postage and freight are included in the price for orders above €150 (or equivalent in Euros) net of VAT.
- Payments in €(GBP) shall be made to National Westminster Bank, sort code 01-05-83, account number 19364830. Payments in €(EUR) shall be made to Ulster Bank, sort code 985330, account number 08117189. Swift code and IBAN information can be found on invoices.
- Please note that deliveries of small or unwieldy orders (such as L-squares, straight edges, mirror profiles, long-lengths etc.) may result in a relatively high transport cost. Purchasers may consolidate such products with other orders and agree a transport cost with Bohle prior to delivery.
- Carriage to off-shore UK Islands will be charged extra at cost.
- Bohle reserves the right to adjust prices due to reasons beyond its control including exchange rates, production cost, duties, insurance, freight and other purchase costs (incl. for components & services). Bohle may also adjust prices if the Purchaser requests a change in delivery date, quantity or type of Products ordered, or the Specification, or if the Purchaser causes a delay due to any information or instructions given or not given by it.
- Bohle may invoice the Purchaser for the Products on or at any time after the Order is placed.
- Payment is to be made:
  - in advance by wire transfer or by irrevocable, confirmed letter of credit issued to Bohle's indicated bank or by cheque; or
  - if so agreed with Bohle in writing prior to the Purchaser placing an Order, within 30 days of the date of Bohle's invoice, subject to an agreed credit limit; or
  - if so agreed with Bohle in writing prior to the Purchaser placing an Order, by another payment method including credit or charge card. Cheques may only be accepted conditionally.
- With the exception of clause 4.i.ii, processing of any Order will not commence until clearance of funds.
- All bank charges are for the account of the Purchaser unless otherwise agreed in writing prior to Order.
- Without prejudice to any other right it may have, Bohle may suspend deliveries or service until payment is received in full.
- Any dispute in relation to a particular Order shall not entitle the Purchaser to withhold payment in relation to any other Order.
- Bohle shall be entitled to charge interest on late payments at a rate of 6% above the minimum bank rate of the European Central Bank on the amount overdue. Such interest shall accrue on a daily basis from the due date until the date of actual payment of the overdue amount, whether before or after judgment. Any costs incurred by Bohle in connection with receiving a late payment or recovering any overdue sum shall be paid by the Purchaser.

## 5. Delivery/Title/Risk

- Products are dispatched from such of Bohle's warehouses as is the most appropriate location for Bohle. The delivery period stated in any Order confirmation is approximate and time of delivery is not of the essence. Delays in delivery do not justify any kind of compensation except as otherwise expressly set out in these Conditions.
- Bohle will deliver the Products to the location set out in the Order or such other location as the parties may agree (Delivery Location) at any time after Bohle notifies the Purchaser that the Products are ready.
- Delivery of the Products shall be completed when the Products arrive at the Delivery Location.
- If the Products are not available or have been modified, Bohle reserves the right to supply similar products of equivalent functionality.
- Deliveries may be made in instalments and each such instalment shall constitute a separate Contract which may be invoiced separately. Any right to cancel one instalment shall not entitle the Purchaser to cancel any other instalment.
- Bohle shall be entitled to make partial delivery of any Order if, for example, certain Products are unavailable. Partial delivery shall not entitle the Purchaser to reject the Order.
- The Purchaser shall not be entitled to reject the Products if Bohle delivers up to and including [5]% more or less than the quantity of Products ordered, but a pro

rata adjustment shall be made to the Order invoice on receipt of notice from the Purchaser that the wrong quantity of Products was delivered.

- If the Purchaser refuses to accept a delivery without Bohle's agreement, he must pay Bohle's expenses or loss resulting from that refusal, including storage costs, until he accepts delivery. If the Purchaser has not accepted delivery of the Products within 10 working days of the date that Bohle originally delivered the Products to the Delivery Location, Bohle may resell or otherwise dispose of part or all of the Products and charge the Purchaser for any reasonable costs in connection with the storage and sale of the Products. If the Purchaser has paid in advance for the Products, Bohle will refund the purchase price less any such costs as well as any shortfall below the price of the Products.
- Bohle shall not be liable for any delay in delivery or failure to deliver the Products that is caused by the Purchaser's failure to provide Bohle with adequate delivery instructions or by any other act or omission of the Purchaser.
- If Bohle fails to deliver the Products, its liability shall be limited to the costs and expenses incurred by the Purchaser in obtaining replacement goods similar in description and quality in the cheapest market available, less the price of the Products.
- Risk in the Products shall pass to the Purchaser on completion of delivery.
- Title to the Products passes on receipt by Bohle of full payment. Until then, the Purchaser must:
  - hold the goods on a fiduciary basis as Bohle's bailee;
  - insure and store the Products separately and keep them in satisfactory condition;
  - not modify, pledge, sell or part with possession of the Products; and
  - notify Bohle if any of the events in clause 9.b shall occur.On request the Products shall be made available to Bohle for re-collection and the Purchaser shall provide any information relating to the Products as Bohle shall request. Until title in the Products has passed to the Purchaser, the Purchaser shall not purport to be the owner of the Products and shall not show such Products as stock in its accounts.
- Bohle may at any time upon reasonable notice enter the Purchaser's premises (or any other premises where the Products are stored) for the purpose of inspecting the Products and ensuring the Purchaser's compliance with this Contract. The Purchaser shall ensure that Bohle is granted access to such premises and facilities as are reasonably necessary for the purpose of this clause.
- If before title to the Products passes to the Purchaser, the Purchaser becomes subject to any of the events listed in clause 9.b, or Bohle reasonably believes that any such event is about to happen and notifies the Purchaser accordingly, then, without limiting any other right or remedy Bohle may have, Bohle may at any time require the Purchaser to deliver up the Products and, if the Purchaser fails to do so may, together with appropriate transport and personnel, promptly enter any premises of the Purchaser or of any third party where the Products are in order to recover them.

## 6. Acceptance

- Delivered Products must be inspected by the Purchaser promptly upon receipt of the Products. If the Purchaser does not claim any discrepancies in the delivery within 3 working days after receipt of the shipment, the Purchaser will be deemed to have accepted the Products in full.
- If Bohle agrees that the Purchaser may return Products, they must be in their original condition (unused, undamaged, in original packaging) and accompanied by a return note as well as proof of purchase. Any return charges must be paid by the Purchaser and a re-stocking charge of 20% of the Products value or €20 (GBP) whichever is the greater will be charged to the Purchaser for any goods returned through no fault of Bohle.
- The Purchaser may not return any Products which have been custom made to the Purchaser's specification, or where any item comprised in the Order has been specially ordered by Bohle to satisfy such order.
- Products received in an obviously damaged condition (including damaged packaging) should be either rejected by the Purchaser on delivery, or, if signed for, then signed for as "Received in damaged condition", regardless of carrier paperwork instructions and of carrier driver information. Failure to do this will result in any claim for damage being rejected.

## 7. Warranty

- Subject to clause 7.c, Bohle guarantees that the Products will be free from defects for 6 months after date of invoice (Warranty Period). Should the Purchaser notify Bohle in writing within the Warranty Period of a defective product, Bohle will repair or replace the Product (at its discretion) within a reasonable time, provided that Bohle shall have reasonable opportunity to examine the Product at either the Purchaser's or Bohle's premises (at Bohle's option).
- Any return of Products must be approved by Bohle in writing before being effected and the Purchaser shall bear the cost of carriage, postage and packaging. Any shipments received by Bohle where such costs have not been paid by the Purchaser will not be accepted.
- Bohle will not accept warranty protection claims for damage caused by:
  - the Purchaser's failure to comply with Bohle's instructions (or if none are given, good industry practice) regarding the installation, use, storage, commissioning, modification or repair by the Purchaser or any unauthorised third party of the Products;
  - the Purchaser making further use of the Products after giving notice in accordance with condition 7.a;
  - Bohle following any drawing, design or Specification supplied by the Purchaser;
  - the Purchaser altering or repairing the Products without the written consent of Bohle;
  - fair wear and tear, willful damage, negligence or abnormal storage or working conditions; or
  - the Products differing from their description or specification as a result of changes made to ensure that they comply with applicable statutory or regulatory requirements.
- Except as provided in this clause 7, Bohle shall have no liability to the Purchaser in respect of the Products' failure to comply with the warranty set out in clause 7.a.
- Except as set out in these Conditions, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.
- These Conditions shall apply to any repaired or replacement Products supplied by Bohle.

## 8. Liability

- Nothing in these Conditions shall limit or exclude Bohle's liability for:
  - death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable);
  - fraud or fraudulent misrepresentation;
  - breach of the terms implied by section 12 of the Sale of Goods Act 1979; or
  - any matter in respect of which it would be unlawful for Bohle to exclude or restrict liability.
- Subject to clause 8.a:
  - Bohle shall under no circumstances whatever be liable to the Purchaser, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and
  - Bohle's total liability to the Purchaser in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including

negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed [the lesser of] [repair or replacement of the Products] or [€/£]m].

## 9. Termination

- If the Purchaser becomes subject to any of the events listed in condition 9.b, or Bohle reasonably believes that the Purchaser is about to become subject to any of them and notifies the Purchaser accordingly, then without limiting any other right or remedy Bohle may have, Bohle may cancel or suspend all further deliveries under the Contract or under any other contract between the Purchaser and Bohle without incurring any liability to the Purchaser, and all outstanding sums in respect of Products delivered to the Purchaser shall become immediately due.
- For the purpose of condition 9.a, the relevant events are:
  - the Purchaser becomes insolvent, or an order is made or a resolution is passed for the winding up of the Purchaser (other than voluntarily for the purpose of solvent amalgamation or reconstruction), or if an administrator, administrative receiver or receiver is appointed in respect of the whole or any part of the Purchaser's assets or business, or if the Purchaser makes any composition with its creditors or takes or suffers any similar or analogous action in consequence of debt, or if (the Purchaser is an individual) is the subject of a bankruptcy petition or order, or any event which has an effect equivalent or similar occurs in any jurisdiction to which the Purchaser is subject;
  - the Purchaser suspends, threatens to suspend, ceases or threatens to cease to carry on all or substantially the whole of its business;
  - the Purchaser's financial position deteriorates to such an extent that in Bohle's opinion the Purchaser's capability to adequately fulfill its obligations under the Contract has been placed in jeopardy; and
  - (being in individual) the Purchaser dies or by reason of illness or incapacity (whether mental or physical) is incapable of managing his or her own affairs or becomes a patient under any mental health legislation.
- Bohle may terminate the Contract, including any Order placed but not yet processed, immediately upon written notice to the Purchaser if:
  - the Purchaser is in material breach of any of the terms of this Contract and fails to remedy such breach within [14] days of written notice requiring it to do so by Bohle; or
  - the Purchaser has failed to pay any sum due under this Contract by its due date and such sum remains unpaid within [14] days of written notice by Bohle requiring the Purchaser to pay such sum in full.
- All sums payable under this Contract shall, upon termination of the Contract or any relevant Order (as appropriate) become immediately due and payable.
- Upon termination of the Contract, the Purchaser shall deliver to Bohle any Products in its possession to which title has not passed to the Purchaser. Failure to do so within a reasonable time shall entitle Bohle (without prejudice to any other right or remedy available to Bohle) to enter onto the Purchaser's premises or such other premises where the Products are stored, together with appropriate transport and personnel, to repossess the Products.
- Termination of the Contract, however arising, shall not affect either of the parties' rights and remedies that have accrued at termination. Clauses which expressly or by implication survive termination of the Contract shall continue in full force and effect.

## 10. Force Majeure

- Bohle shall not be liable for failure or delays in delivery or service caused by circumstances beyond their reasonable control (which may include strikes, lock-outs or other industrial disputes whether involving its own workforce or a third party's), failure of energy sources or transport network, acts of God, war, terrorism, riot, civil commotion, interference by civil or military authorities, national or international calamity, armed conflict, malicious damage, breakdown of plant or machinery, nuclear, chemical or biological contamination, sonic boom, explosions, collapse of building structures, fires, floods, storms, earthquakes, loss at sea, epidemics or similar events, natural disasters or extreme adverse weather conditions, or default of suppliers or subcontractors) and Bohle will be entitled to an appropriate delivery time extension for the fulfillment of the Order.

## 11. Jurisdiction

- The Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, English law, and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

## 12. General

- Bohle may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract. The Purchaser may not assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract without the prior written consent of Bohle.
- Any notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first class post, recorded delivery, commercial courier, fax or e-mail.
- A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in clause 12.b; if sent by pre-paid first class post or recorded delivery, at 9.00 am on the second working day after posting; if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; or, if sent by fax or e-mail, one working day after transmission.
- The provisions of clauses 12.b and 12.c shall not apply to the service of any proceedings or other documents in any legal action.
- If any court or competent authority finds that any provision of the Contract (or part of any provision) is invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed to be deleted, and the validity and enforceability of the other provisions of the Contract shall not be affected. If any invalid, unenforceable or illegal provision of the Contract would be valid, enforceable and legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.
- A waiver of any right or remedy under the Contract is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default. No failure or delay by a party to exercise any right or remedy provided under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor shall it preclude or restrict the further exercise of that or any other right or remedy. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.
- A person who is not a party to the Contract shall not have any rights under or in connection with it.

last update: 03/10/2013



**Bohle Ltd.**  
Fifth Avenue  
Tameside Park  
Dukinfield  
Cheshire, SK16 4PP

T +44 161 3421100  
F +44 161 3440111

[info@bohle.ltd.uk](mailto:info@bohle.ltd.uk)  
[www.bohle.com](http://www.bohle.com)