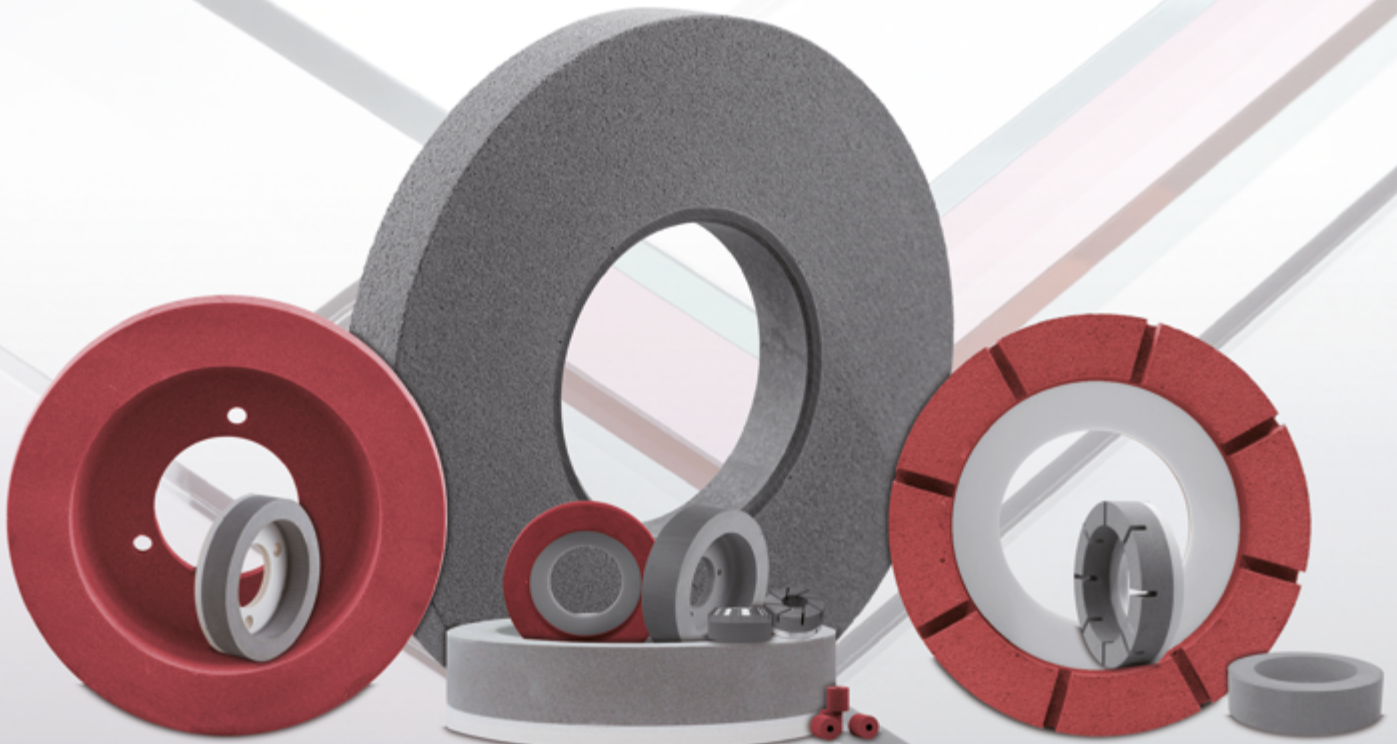


Quality made in Germany since 1924



Precision to shine

High-performance polishing tools for glass processing.

Artifex is one of the world’s leading manufacturers of polishing tools for glass and metal processing industries. We serve customers across Europe, China, the Middle East, Southeast Asia, India and the USA. Our offer includes an innovative service program, expert advice and high- performance tailored quality products “Made in Germany”.

GLASS PROCESSING

We offer a wide range of products for straight - and double edging machines. Our comprehensive product portfolio covers high-performance tools for pencil-, straight edges, arris, laminated glass processing as well as Low-E glass edge deletion. The best results will be achieved through a perfect match between the tools.

EDGE PROFILES

- Flat edge and arris
- Miter 45°
- Bevel
- Laminated safety glass



MACHINES

Regardless of whether flat edge, arris, miter, bevel or laminated glass: We equip single- and double edgers, bevelling- and CNC glass processing machines. Among all well-known brands, we provide custom fitted tools for:

- Bavelloni
- Benteler
- Busetti
- Bottero
- Bovone
- Champion
- Forvet
- Golive
- HanGlastech
- Lattuada
- Lifeng
- Lisec
- Neptun
- Schiatti
- Selim
- Singip



THE TRANSPARENT GOLD

Glass as a building material is no longer just a visual eye-catcher, but also fulfils important functional requirements. It provides high thermal insulation, improves energy efficiency, offers solar protection, and enables innovative solutions for safety, acoustics, and sustainable architecture. Glass green-houses offer excellent light quality due to their high light transmittance and promote plant growth.

We provide a wide range of polishing tools including peripheral wheels, cup wheels, rings, sleeves and mounted points. Full material wheels and tools with plate are available with special cooling bores or in segmented shapes.

SHAPE	DIAMETER	WIDTH	BORE	RECESS	SHAFT	LENGTH
	Min. - max.	Min. - max.	Min. - max.	Min.- max.	Min.- max.	Min.- max.
Full material cup wheel	75 - 170 mm	25 - 60 mm	9 - 100 mm	60 - 125 mm	-	-
Cup wheel with plate	75 - 170 mm	25 - 60 mm	9 - 100 mm	60 - 125 mm	-	-
Peripheral wheel	20 - 300 mm	6 - 60 mm	6 - 130 mm	-	-	-
Sleeve	15 - 30 mm	6 - 12 mm	5 - 30 mm	-	-	-
Mounted point	8 - 30 mm	5 - 30 mm	-	-	3 - 8 mm	40 - 120 mm

APPLICATION FIELDS AND SOME FEATURES

Ariss polishing

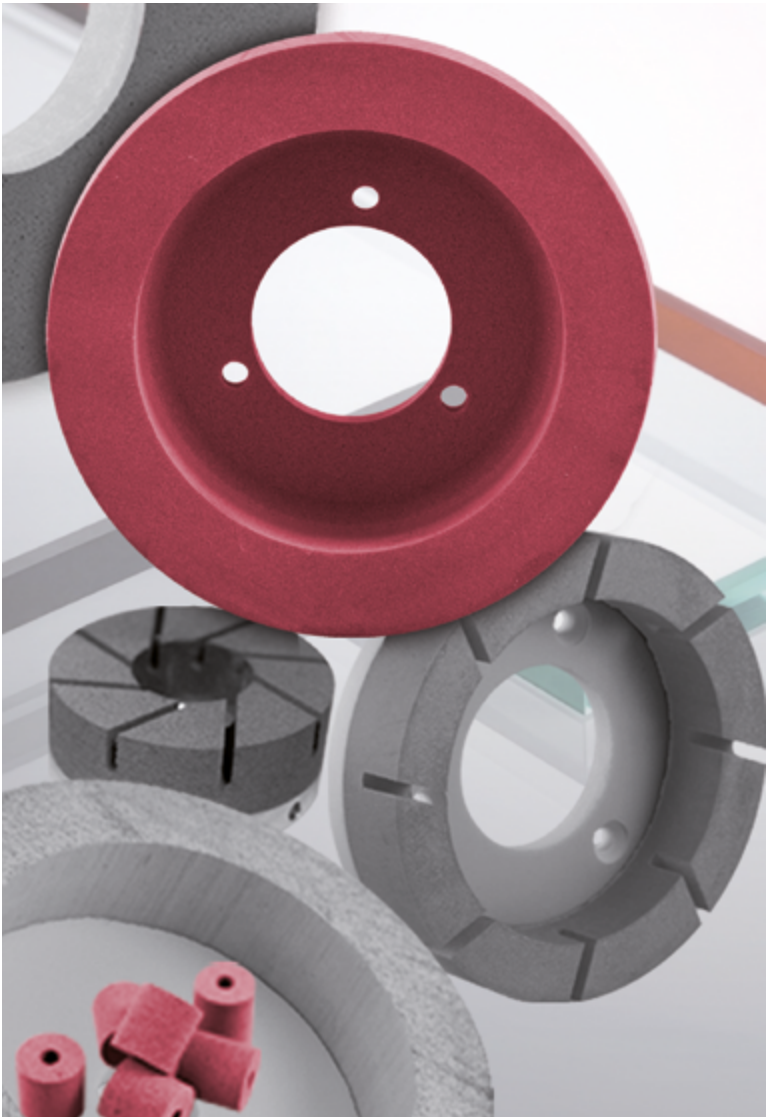
- AO - Q4: Extremely long service life
- EK - WBS: OEM Benteler
- EK - SJ: Universally applicable

Edge polishing

- **NEW WEL:** High infeed ratio, high pressure range
- AO - Q6: Extremely long service life
- AO - BQ5: OEM Busetti
- BK - PR6: Colour coded to grain size, high cutting power
- CE: High-gloss finish

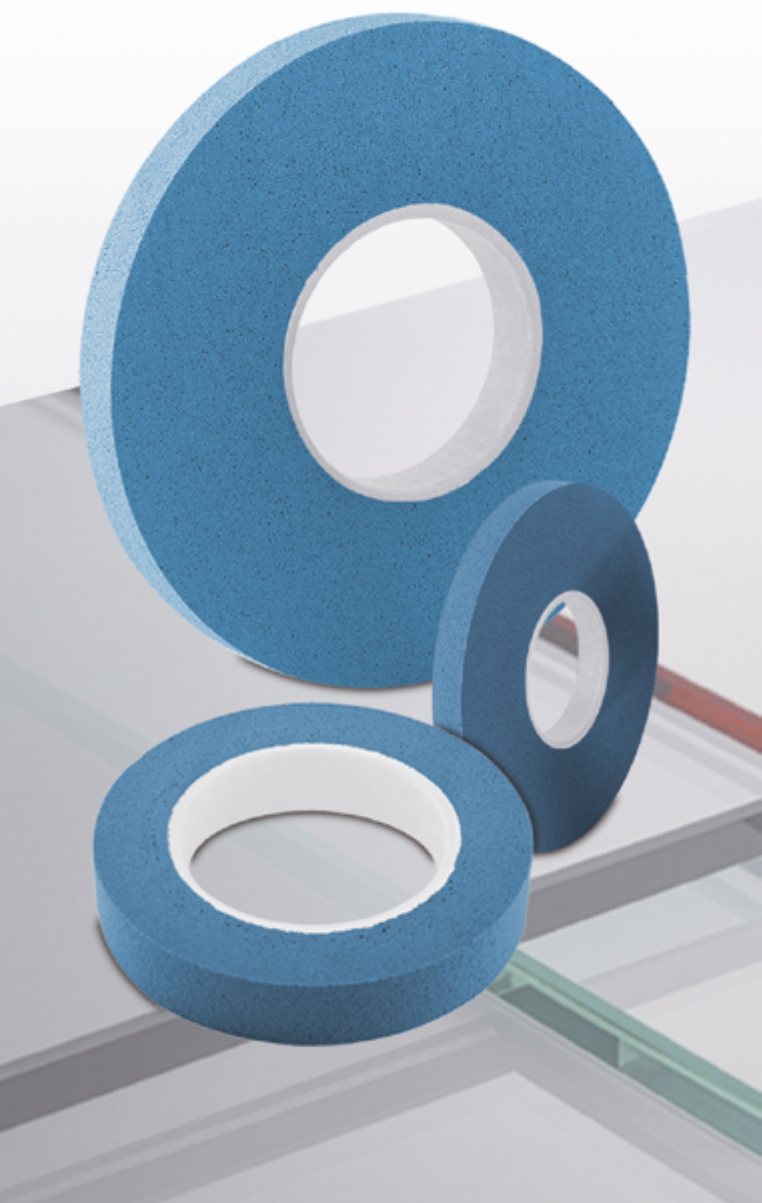
Coating removal

- **RE 120 B:** High precision tolerance
- SK - HT: Hard coatings removal and glass with protection foil
- SC - MT: Hard coatings removal, extremely long service life
- SG - HT: Manual applications



Edge deletion series
with special features

The Artifex edge deletion series RE 120 B provide the best solution for removing all types of metal coatings including the hardest multi-layer glass coatings like Guardian TPF and Saint Gobain EASYPRO on cutting tables, vertical machines and portable grinders.



GLASS

All types of Low- E-, Sun protection-, Solar control glass and the hardest multi-layer coatings.

MANUAL AND AUTOMATIC MACHINES

Speed reduced angle grinders or handheld circular saws.
e.g. Bohle | Knopp | Pannkoke | Rottler & Rüdiger

VERTICAL MACHINES

e.g. Bystronic | Lenhardt | Lisec

CUTTING TABLES with integrated stripping devices
e.g. Bavelloni | Bottero | Bystronic | Hegla | Intermac | Lisec and Macotec

Article	Article description	Rpm max.	m/s
903465	Ø 200 x 20 x Ø 76,20 mm	3700	39
903464	Ø 200 x 22 x Ø 76,20 mm	3700	39
903460	Ø 200 x 23 x Ø 76,20 mm	3700	39

or tailored to your requirements.

WORKING PARAMETERS

Pressure applied can vary from 0.7 to 3.0 bars
Linear speed based on coating material

FEATURES

- + Clean surface quality
- + Delete the hardest multi layer coatings in one pass
- + Precision tolerances, reinforced core
- + Faster deletion vs. competitors
- + No residues on the glass
- + Long lifetime
- + Suitable for step glass applications

The selection of the right tool depends on the layer to be stripped and the number of metal layers. Amongst others, these consist of silver, copper and stannic oxide. Each manufacturer offers its own types of glass. For example, Low-E (soft) or Sun Stop / Solar (hard). These are supplied by AGC, Glaverbel, Guardian, Interpane, Saint-Gobain, Sanco, Semco and Pilkington, among others.

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STANDARD

Article: SK 120 HT or SC 80 MT

FOR HARD COATINGS AND GLASS WITH PROTECTIVE FOIL

Article: SK 120 HT

LONG SERVICE LIFE

Article: SC 80 MT

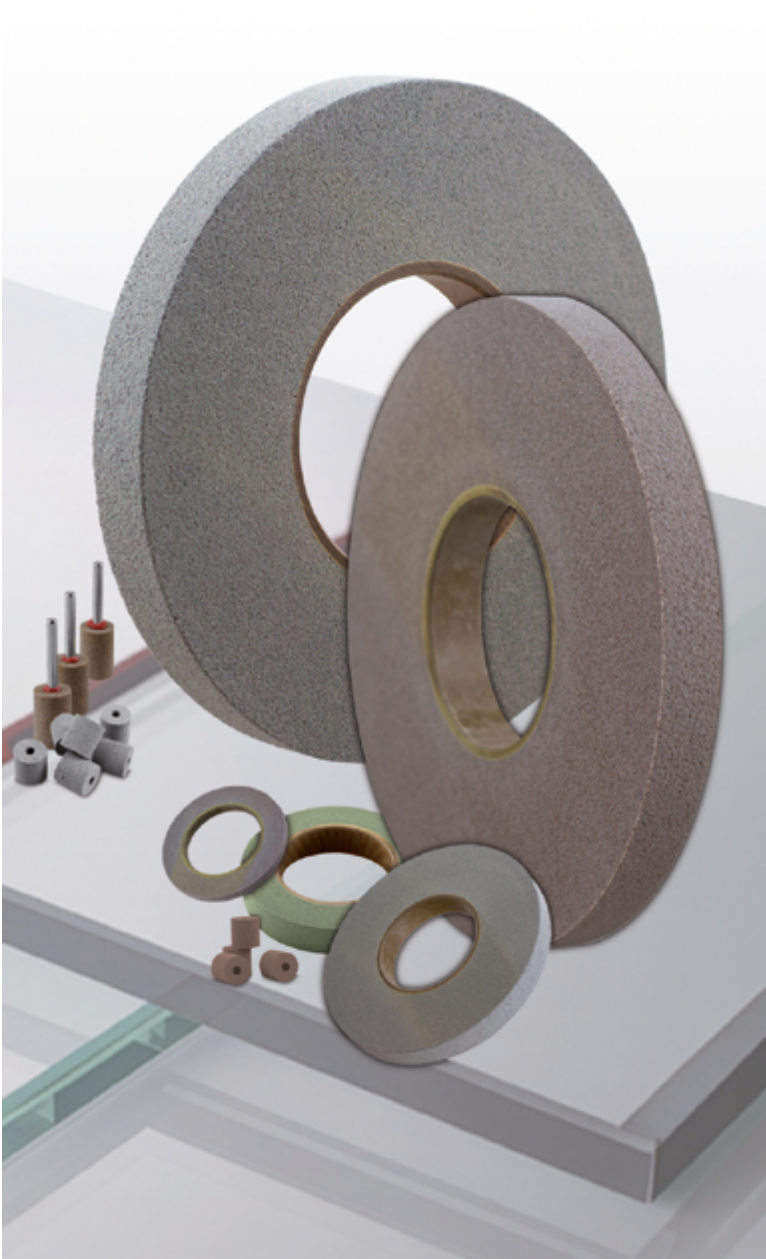
MANUAL AND AUTOMATIC MACHINES

Article: SG 100 HT or SG 100 MT

Forms: Peripheral wheels, sleeves and mounted points or tailored to your requirements.

FEATURES

- + Perfect coating removal
- + No residues on the glass
- + Long lifetime



Standard range for edge polishing: Series AO, BK, BJ

This tool sets provides an extremely long service life, thanks to the specifically matched properties of the bonding material. The optimum granular adhesion guarantees perfect polishing results over a long period of time.

MACHINES

Straight-, and double edging machines, CNC

Article	Article description	Rpm max.
901638	AO 40 BQ5 Ø 150 x 40 x Ø 70/105 Cup wheel segm. Z012	3430
901641	AO 60 BQ5 Ø 150 x 40 x Ø 70/105 Cup wheel segm. Z012	3430
901571	AO 40 BQ6 Ø 75 x 37 x Ø 9/32 Cup wheel Z501	6875
901595	AO 60 BQ6 Ø 75 x 37 x Ø 9/32 Cup wheel Z501	6875
902674	BK 40 PR6 Ø 150 x 40 x Ø 70/105 Cup wheel	3430
902697	BK 60 PR6 Ø 150 x 40 x Ø 70/105 Cup wheel	3430
901606	BK 60 PR6 Ø 150 x 40 x Ø 70/105 Cup wheel segm. Z012	3430
901612	BK 80 PR6 Ø 150 x 40 x Ø 68/105 Cup wheel Z320/8389	3430
902126	BK 40 PBR Ø 170 x 40 x Ø 68/125 Cup wheel Z201	2800
902131	BK 60 PBR Ø 170 x 40 x Ø 68/125 Cup wheel Z201	2800
901733	NK 60 BJ Ø 150 x 40 x Ø 70/100 Full material cup wheel 8505	3430

or tailored to your requirements.

Arris polishing: Series S

This product range is the perfect choice for arris grinding and polishing with- or without diamond pre-grinding. These tools polish without altering the geometry.

EK- WBS: OEM Benteler
EK- SJ / SJ6: All common straight-, and double edgers
WEL 800: High cutting power

Article	Article description	Rpm max.
900617	EK 120 SJ Ø 75 x 21 x Ø 32,00 Ring	6875
901734	EK 120 SJ Ø 75 x 37 x Ø 9/32 Cup wheel Z501	6875
902193	EK 120 SJ Ø 125 x 35 x Ø 22/90 Full material cup wheel	4120
902201	EK 120 SJ Ø 150 x 40 x Ø 70/105 Full material cup wheel	3430
903244	EK 120 SJ6 Ø 150 x 40 x Ø 11/105 Cup wheel Z325	3960
901413	EK 400 WBS Ø 170 x 40 x Ø 68/125 Cup wheel Z201/8268	3370
903438	WEL 800 Ø 150 x 40 x Ø 50/105 Full material cup wheel Z102	4500
903542	WEL 800 Ø 150 x 40 x Ø 68/105 Cup wheel Z320	4500
902149	WEL 800 Ø 150 x 40 x Ø 70/100 Full material cup wheel	4500

or tailored to your requirements.

NEW high speed line
WEL 600, 700, 800, 1000 and 2000

This series achieve excellent polishing results on the edge and arris. The special mixture of abrasive grains in a durable polyurethane bond allows excellent removal and polish capacity at the highest speed.



- MACHINES**

All common straight- and double edgers, machines with high- speed option
- SPECIFICATIONS**

Bonding: Polyurethane
Form: Full material cup wheel

Article: WEL 600 | red
Station: 1st edge polishing station

Article: WEL 700 | yellow
Station: 2nd edge polishing station

Article: WEL 800 | orange
Station: 3rd edge and arris polishing station

Also available in grits WEL 1000 and WEL 2000 for fine polishing.

Article	Article description	Rpm max.	m/s
902206	WEL 600 Ø 150 x 40 x Ø 70/100	4500	35
903538	WEL 700 Ø 150 x 40 x Ø 70/100	4500	35
902149	WEL 800 Ø 150 x 40 x Ø 70/100	4500	35

or tailored to your requirements.

- WORKING PARAMETERS**

Glass thickness: 8 mm
Feed rate: up to 35 meter/minute
Pressure: 1.7- 2.0 bars

- FEATURES**

 - + High speed processing
 - + No cutting marks
 - + Best price / performance ratio

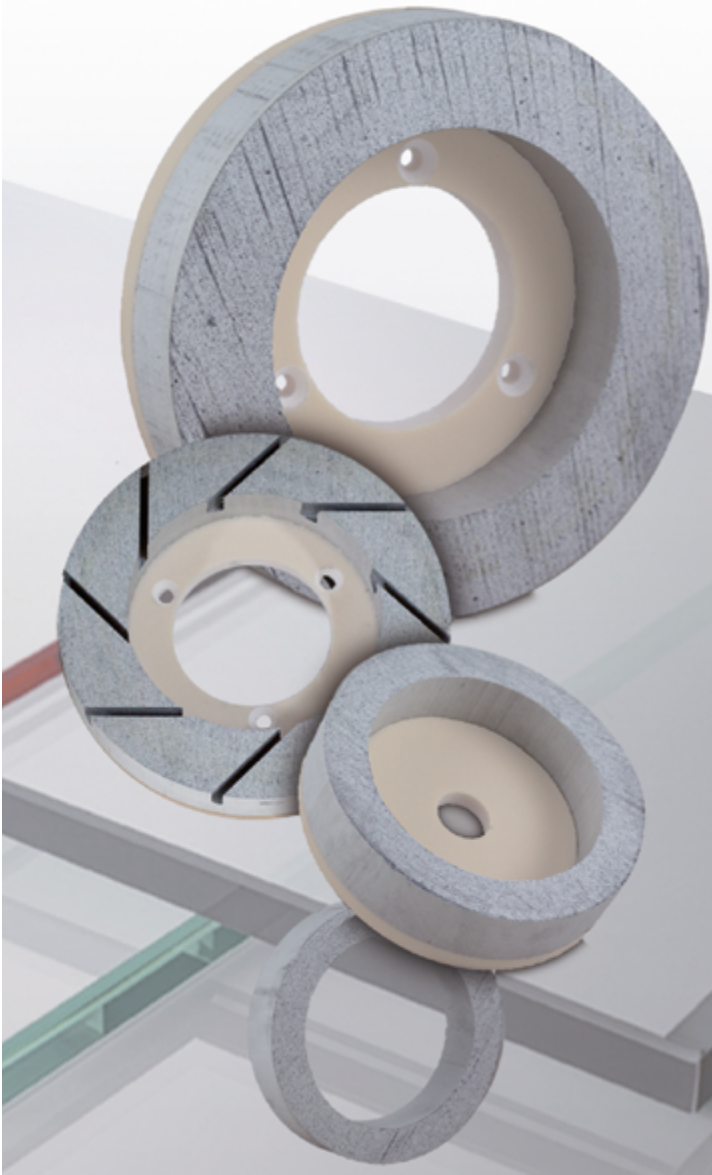
High-gloss polishing wheels for all common glass straight-, and double edgers.

Article	Article description	Rpm max.
901765	CE- 2 Ø 170 x 30 x Ø 68/125 Z201/8191	2800
901773	CE- 2 Ø 170 x 35 x Ø 70/110 Z204	2800
902876	CE- 2 Ø 150 x 40 x Ø 11/110 Z325	1700
901756	CE- 2 Ø 150 x 40 x Ø 70/110 8069	2800
901839	CE- 3 Ø 150 x 30 x Ø 50/83/110 Z015	2800
901848	CE- 3 Ø 150 x 40 x Ø 11/110 Z325	1700
902556	CE- 3 Ø 150 x 40 x Ø 50/70 Z547	1700
901820	CE- 3 Ø 150 x 40 x Ø 50/110 Z103,8137	2800
901823	CE- 3 Ø 150 x 40 x Ø 68/110 Z321,8321	1700
901804	CE- 3 Ø 150 x 40 x Ø 70/90 5883	1700
901827	CE- 3 Ø 150 x 40 x Ø 70/90 Z005,8396	2800
901815	CE- 3 Ø 150 x 40 x Ø 70/110 Z005,7994	2800
901830	CE- 3 Ø 150 x 47 x Ø 70/110 7560	1700
901852	CE- 3 Ø 170 x 30 x Ø 68/125 Z201	2800
901854	CE- 3 Ø 170 x 35 x Ø 70/110 Z204	2800
902246	CE- 3 Ø 170 x 40 x Ø 70/115	2800
901870	CE- 5 Ø 150 x 40 x Ø 70/110 SLB Z014	3810

or tailored to your requirements.

- FEATURES**

 - + Unbeaten finish performance
 - + Perfect high gloss
 - + It does not require a lot of pressure linke other rubber bonded tools



PRODUCT	GRINDING MATERIALS BONDING	GRAIN	DELIVERY TYPES	APPLICATION	FEATURES
EK - WBS	White fused aluminium oxide Resin	400	Cup wheel with plate	Arris	OEM Benteler
EK - WS	White fused aluminium oxide Resin	400	Cup wheel with plate	Arris	Smooth setting from EK to MS
EK - MS	White fused aluminium oxide Resin	400	Cup wheel with plate	Arris	Universally applicable
AO - Q4	Aluminium oxide Polyurethane	80 120	Cup wheel with plate Ring	Arris	Extremely long service life
EK - SJ	White fused aluminium oxide Polyurethane	120	Full material cup wheel Ring	Arris	Low tool costs
SG - MT	Garnet Polyurethane	100	Wheel Mounted point Sleeve	Coating removal	Low tool costs
SG - HT	Garnet Polyurethane	100	Wheel Mounted point Sleeve	Coating removal	Manual machine
NK - HT	Aluminium oxide Polyurethane	220	Wheel Mounted point Sleeve	Coating removal	Universally applicable
SC - MT	Silicon carbide Polyurethane	80	Wheel Mounted point Sleeve	Coating removal	Extremely long service life
SC - HT	Silicon carbide Polyurethane	150	Wheel Mounted point Sleeve	Coating removal	Butterfly test
SK - HT	Silicon carbide, aluminium oxide Polyurethane	120	Wheel Mounted point Sleeve	Coating removal	Universally applicable
RE 120 B	Silicon carbide Polyurethane	120	Peripheral wheel	Coating removal	Faster deletion vs. competitors
AO - Q6	Aluminium oxide Polyurethane	40 60 80 120	Cup wheels with plate Ring	Edge	Extremely long service life Good gloss
AO - BQ6	Aluminium oxide Polyurethane	40 60 80 120 180	Cup wheel with plate Ring	Edge	Very good gloss
AO - BQ5	Aluminium oxide Polyurethane	40 60 80	Cup wheel with plate	Edge	OEM Busetti
AO - BJ	Aluminium oxide Polyurethane	40 60 80 120 180	Full material cup wheel Ring	Edge	Low tool costs Coloured according to grain size
CE - 5	Cerium oxide Polyurethane	Cerium oxide	Cup wheel with plate Ring	Edge	High gloss Extremely long service life
BK - PBR	Pumice, aluminium oxide Polyurethane	40 60 80 120 180	Cup wheel with plate	Edge	OEM Benteler
WEL	Polyurethane	600 700 800 1000 2000	Full material cup wheel	Edge and arris	High speed processing
AO - UQ5	Aluminium oxide Polyurethane	120 180	Peripheral wheel	Pencil edge CNC	Extremely long service life
CE - 3	Cerium oxide Resin	Cerium oxide	Cup wheel with plate Ring	Universally applicable	Perfect high gloss
BK - WR1	Pumice, aluminium oxide Rubber	46 60 80 120 180	Cup wheel with plate Peripheral wheel Ring	Universally applicable	Extremely long service life Industrial gloss
BK - PR	Pumice, aluminium oxide Polyurethane	40 60 80 120 180	Full material cup wheel Ring	Universally applicable	Low tool costs Coloured according to grain size

ABOUT US

As one of the world's leading manufacturers of polishing tools for glass and metal processing industries, we deliver high-performance solutions that meets the specific requirements of our customers. With a strong international presence across Europe, China, the Middle East, Southeast Asia, India and the USA, we combine technical expertise, innovation and customer focused service to support our customers success.

OUR ENGAGEMENT

The glass industry faces profound challenges regarding the energy systems of the future. Driven by our commitment to achieve a perfect finish, we continuously advance our products to seamlessly balance economic efficiency with environmental sustainability.



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