

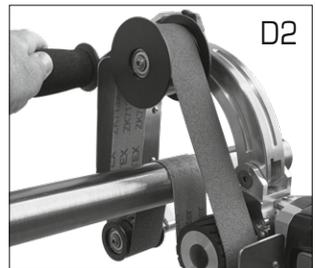
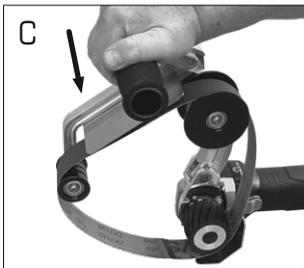
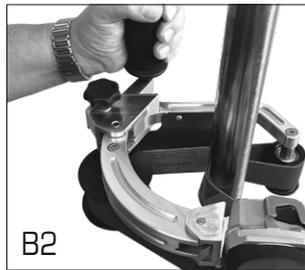
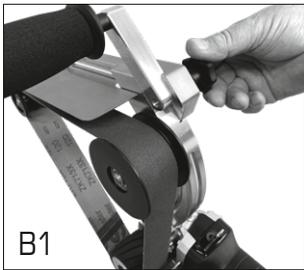
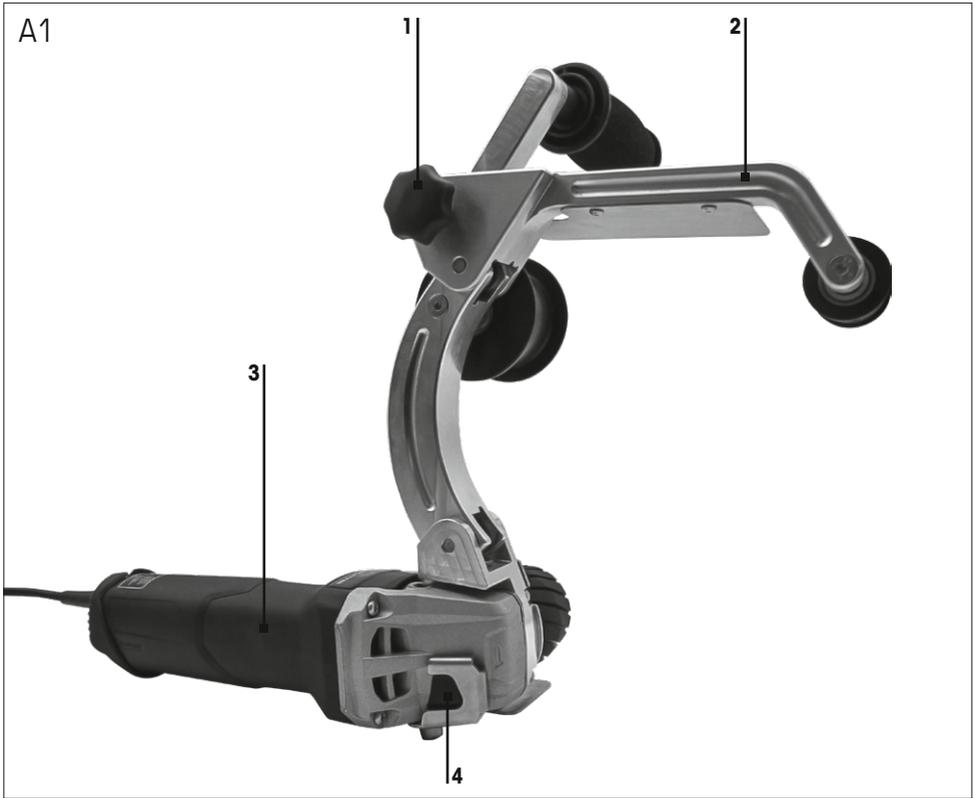


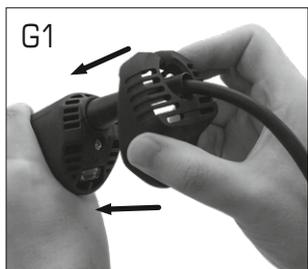
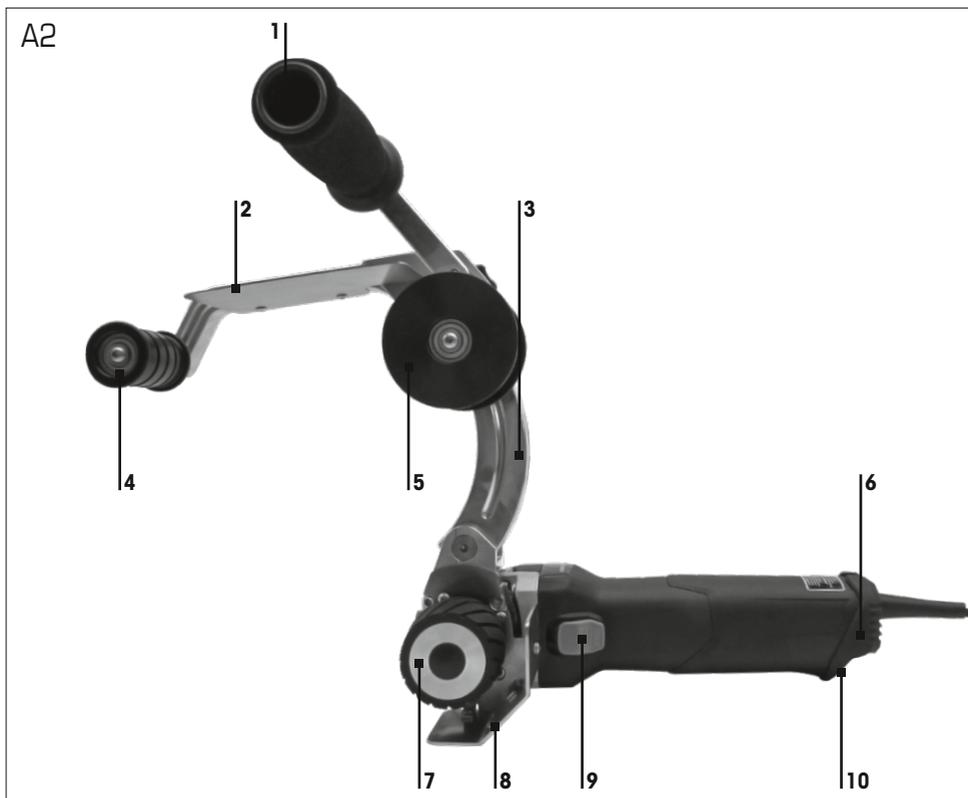
## **KING-BOA p/n 38810U** (110 – 120V)

|           |                                 |    |
|-----------|---------------------------------|----|
| <b>EN</b> | Original instructions .....     | 4  |
|           | Particulate filter (40092)..... | 12 |

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# Englisch

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## 1. EC-Declaration of conformity

We declare under our sole responsibility that the product described under "7. Technical data", identified by type and serial number, fulfills all the relevant provisions of the directives 2011/65/EU (RoHS), 2004/108/EC (until April 19th 2016), 2014/30/EU (from April 20th 2016), 2006/42/EC and the following harmonized standards have been used:

EN 60745-1:2009+A11:2010  
 EN 60745-2-3:2011+A2:2013+A11:2014+A12:2014  
 +A13:2015  
 EN 55014-1:2006+A1:2009+A2:2011  
 EN 55014-2:1997+A1:2001+A2:2008  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013  
 EN 50581:2012

 Gerd Eisenblätter GmbH  
 Jeschkenstraße 12d  
 82538 Geretsried  
 Germany

Geretsried, 2020-01-15



Gerd Eisenblätter,  
 CEO Gerd Eisenblätter GmbH

## 2. Specified conditions of use

This belt sander is suitable for satin finishing, matt finishing, structuring, polishing and smoothing of round tubes without the use of water.

It is for dry processing only.

The user bears sole responsibility for any damage caused by inappropriate use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

## 3. Symbols



Warning of general danger



Warning of electric shock



Read the operating manual and safety instructions



Wear ear protection



Wear protective gloves



Wear a dust mask



Wear protective goggles



Wear sturdy shoes



Do not dispose of it with domestic waste



Tip, advice



CE marking: Confirms the conformity of the power tool with the European Community directives.

## 4. General safety information



### **WARNING – Read all safety warnings and instructions.**

Failure to follow all safety warnings and instructions may result in an electric shock, fire and/or serious injury.

### **Keep all safety instructions and information for future reference.**

Pass on your power tool only together with these documents.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool.

### **Follow the enclosed brochure “General safety instructions for power tools”.**

## 5. Special safety instructions

- **Hold the power tool by the insulated gripping surfaces only when performing an operation where the accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a „live“ wire may make exposed metal parts of the power tool „live“ and shock the operator.
- **Sparks fly when grinding metals.** Make sure that no people are endangered. Due to the risk of fire, no flammable materials may be nearby (flying sparks).
- **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- **When processing, especially metals, conductive dust can accumulate inside the machine.** This can lead to the transfer of electrical energy to the machine housing. This can justify the temporary danger of an electric shock. It is therefore necessary to blow out the machine regularly, frequently and thoroughly with compressed air through the rear ventilation slots when the machine is running. The machine must be held securely.
- **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- **The rated speed of the sanding belt must be at least equal to the belt speed in idling marked on the power tool.** A sanding belt running faster than its rated speed can break and fly apart.
- **Check prior to each use that the sanding belt is correctly attached and is completely on the rollers. Carry out a trial run:** Allow the machine to run at idling speed for 30 seconds in a safe location. Stop immediately if significant vibrations occur or if other defects are noted. If such a situation occurs, check the machine to determine the cause.
- **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If a power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- **Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.
- **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- **Regularly clean the power tool’s air vents.** The motor’s fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

- **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

### 5.1 Additional safety instructions:



**WARNING** – Wear protective gloves.



**WARNING** – Wear hearing protection. Exposure to noise can cause hearing loss.



**WARNING** – Always wear safety glasses.

- Observe the specifications of the tool or accessory manufacturer!
- Accessories must be stored and handled with care in accordance with the manufacturer's instructions.
- Ensure that accessories are installed in accordance with the manufacturer's instructions.
- Never place your hand near rotating parts of the device or near the rotating sanding belt.
- Remove sanding dust and similar material only when the machine is not in operation.
- The tool continues running after the machine has been switched off.
- The workpiece must lay flat and be secured against slipping, e.g. using clamps. Large workpieces must be sufficiently supported.
- Damaged, eccentric or vibrating tools must not be used.
- Avoid damage to gas or water pipes, electrical lines and load-bearing walls (statics).
- A damaged or cracked side handle must be replaced. Never operate a machine with a defective side handle.
- Always guide the machine with both hands on the handles provided.
- Attach small workpieces. For example, clamp in a vice.

### 5.2 Special safety instructions for mains powered machines:

- Pull the plug out of the socket before making any adjustments, changing tools, carrying out maintenance or cleaning.
- Before connecting the mains plug, make sure that the machine is switched off.
- Use of a fixed extractor system is recommended.
- Always install an RCD with a maximum trip current of 30 mA upstream. If the power tool is shut down via the RCD, it must be checked and cleaned. See chapter 13. Maintenance.

### 5.3 Reducing dust exposure:



Some of the dust created using this power tool may contain chemicals known to cause cancer, allergic reaction, respiratory disease, birth defects or other reproductive harm. Some of these substances include: lead (in paint containing lead), mineral dust (from bricks, concrete etc.), additives used for wood treatment (chromate, wood preservatives), some wood types (such as oak or beech dust), metals, asbestos.

The risk from exposure to such substances will depend on how long you or bystanders are being exposed.

Do not let particles enter the body.

#### Do the following to reduce exposure to these substances:

- Ensure good ventilation of the workplace and wear appropriate protective equipment, such as respirators able to filter microscopically small particles.
- Observe the relevant guidelines for your material, staff, application and place of application (e.g. occupational health and safety regulations, disposal).
- Collect the generated particles at the source, avoid deposits in the surrounding area.
- Use suitable accessories for special work (see chapter 8.), thus less particles enter the environment in an uncontrolled manner.
- Use a suitable extraction unit.

#### Reduce dust exposure with the following measures:

- Do not direct the escaping particles and the exhaust air stream at yourself or nearby persons or on dust deposits.
- Use an extraction unit and/or air purifiers.
- Ensure good ventilation of the workplace and keep clean using a vacuum cleaner. Sweeping or blowing stirs up dust.
- Vacuum or wash protective clothing. Do not blow, beat or brush.

## 6. Product features

**KING-BOA, see page 2, figure A1 and page 3, figure A2:**

|      |                        |
|------|------------------------|
| A1-1 | Star grip screw        |
| A1-2 | Front guide arm        |
| A1-3 | Handle                 |
| A1-4 | Spindle locking button |

|       |  |
|-------|--|
| A2-1  | Adjustable additional handle   |
| A2-2  | Finger and belt protection   |
| A2-3  | Rear guide arm   |
| A2-4  | Pulley (small)   |
| A2-5  | Pulley (large)   |
| A2-6  | Particulate matter protection cap  |
| A2-7  | Drive roller   |
| A2-8  | Protective cover   |
| A2-9  | Sliding on/off switch  |
| A2-10 | Speed adjusting wheel with electronics signal indicator (see page 3, figure F) |

## 7. Technical data

Subject to change in accordance with technical progress.

Measured values determined in conformity with EN 60745.

-  Direct current (cordless machines)
-  Alternating current (mains powered machines)
-  Machine in protection class II (mains powered machines)

During operation the noise level can exceed 80 dB(A).



**Wear ear protectors!**

High-energy, high-frequency interferences can cause speed fluctuations. The fluctuations disappear, however, as soon as the interference fades away. The technical specifications quoted are subject to tolerances (in compliance with the relevant valid standards).



**Emission values:** These values make it possible to assess the emissions from the power tool and to compare different power tools. The actual load may be higher or lower depending on the operating conditions, the condition of the power tool or the accessories. Please allow for breaks and periods for assessment purposes when the load is lower. Arrange protective measures for the user, such as organisational measures based on the adjusted estimates.

Vibration total value (vector sum of three directions) determined in accordance with EN 60745:

|   |                                       |                         | <b>KING-BOA</b>   |
|---|---------------------------------------|-------------------------|---|
| Sanding belt width  | B <sub>B</sub>                        | mm (in)                 | 40 (1 <sup>37</sup> / <sub>64</sub> )                                       |
| Sanding belt length   | B <sub>L</sub>                        | mm (in)                 | 780 (30 <sup>45</sup> / <sub>64</sub> )                                     |
| Belt speed in idling  | v <sub>0</sub>                        | m/s                     | 2.5   |
| Belt speed (adjustable)   | v <sub>V</sub>                        | m/s                     | 2.5 – 9.4   |
| No-load speed (maximum speed)   | n                                     | min <sup>-1</sup> (rpm) | 3,000   |
| No-load speed (adjustable)  | n <sub>V</sub>                        | min <sup>-1</sup> (rpm) | 800 – 3,000   |
| Machinable tube diameter  | D                                     | mm (in)                 | 20 – 130 (0 <sup>25</sup> / <sub>32</sub> – 5 <sup>1</sup> / <sub>8</sub> ) |
| Max. angle of contact   | U <sub>a,max</sub>                    | °                       | 180   |
| Nominal power input   | P <sub>1</sub>                        | W                       | 1,100   |
| Power output  | P <sub>2</sub>                        | W                       | 570   |
| Weight without cord   | m                                     | kg (lbs)                | 3.8 (6.0)   |
| <b>Emission values:</b>   |                                       |                         |   |
| Vibration emission value (surface grinding) / uncertainty (vibration) | a <sub>h,SG</sub> / K <sub>h,SG</sub> | m/s <sup>2</sup>        | 6.0 / 1.5   |
| <b>Typical A-effective perceived sound levels:</b>                    |                                       |                         |   |
| Sound-pressure level / uncertainty                                    | L <sub>pA</sub> / K <sub>pA</sub>     | dB(A)                   | 93.0 / 3.0  |
| Acoustic power level / uncertainty                                    | L <sub>WA</sub> / K <sub>WA</sub>     | dB(A)                   | 104.0 / 3.0   |

## 8. Accessories

Only use original Eisenblätter accessories.

Use only accessories that fulfil the requirements and specifications listed in these operating instructions.

| Art. no. | Description   |
|----------|---|
| 38702    | Pipe machining accessory set                        |
| 40093    | Filter fabric for particulate matter protection cap |

Use abrasive tools made from Eisenblätter for best work results, such as:

- Sanding belts
- Polishing belts
- Auxiliary materials for polishing
- Chemicals and care products

**i** **Note:** Accessories shown or described are not part of the standard delivery scope of the product. The complete program can be found on [www.eisenblaetter.de](http://www.eisenblaetter.de) or in the catalog.

## 9. Initial operation

### Adjustable additional handle (A2-1):

See page 2, figures B1, B2 and B3:

The additional handle can be remounted for working in confined spaces to allow more freedom of movement when operating the machine:

- To do this, loosen the star grip screw (A1-1) – see Figure B1.
- Turn the handle from the normal position (Figure B2) to the position for working in narrow spaces (Figure B3).
- Tighten the star grip screw again.



Before commissioning, check that the rated mains voltage and mains frequency, as stated on the type plate match your power supply.



Always install an RCD with a maximum trip current of 30 mA upstream.

### Setting speed:

See page 3, figure F.

The speed can be preset via the thumb-wheel (A2-10) and is infinitely variable.

(Small number = small belt speed/speed;  
high number = high belt speed/speed)

| Position | Belt speed | Speed                   |
|----------|------------|-------------------------|
| 1        | 2.5 m/sec  | 800 min <sup>-1</sup>   |
| 2        | 4.1 m/sec  | 1,300 min <sup>-1</sup> |
| 3        | 5.3 m/sec  | 1,700 min <sup>-1</sup> |
| 4        | 7.2 m/sec  | 2,300 min <sup>-1</sup> |
| 5        | 8.5 m/sec  | 2,700 min <sup>-1</sup> |
| 6        | 9.4 m/sec  | 3,000 min <sup>-1</sup> |

The VTC electronics make material-compatible work possible and an almost constant speed, even under load.

The best way to determine the ideal speed setting is by performing a test.

### Particulate matter protection cap



Always fit the particulate matter protection cap (A2-6) if the surroundings are heavily polluted.

**Attachment:** See page 3, figures G1 and G2.

Attach the particulate matter protection cap as shown by pushing it over the cable on the back of the machine and pressing it into place.

**To remove:** See page 3, figure G3.

Remove the particulate matter protection cap as shown. It can be removed from the back of the machine with light pressure.

## 10. Attaching the tools, working notes

 Prior to any conversion work: Pull the mains plug out of the socket or remove the battery pack from the machine. The machine must be switched off and at a standstill.

### 10.1 Belt change

See page 2, figure C.

Load the front guide arm (A1-2) by pressing lightly on the handle (spring tension).

Then you can remove the belt from the two pulleys (A2-4 and A2-5) and from the drive roller (A2-7).

Inserting a new tape is carried out in the same way.

After threading, the tape is automatically tensioned as soon as you relieve the front guide arm. When the electrical device is switched on, the belt in the center is automatically adjusted.

### 10.2 Working on round pipes

Siehe Seite 2, Abbildungen D1 und D2.

The machine is placed on the pipe in the middle between the small deflection roller (A2-4) and the drive roller (A2-7) – see Figure D1.

By pressing the adjustable additional handle (A2-1), the entire bracket mechanism is placed over the pipe to be ground (support approx. 50% of the pipe circumference) – see Figure D2.

The entire pipe can now be processed by moving the machine sideways and swiveling it.

## 11. Switching on and off

 Always guide the machine with both hands.

 Switch on first, then guide the accessory towards the workpiece.

 Avoid inadvertent starts: always switch the tool off when the plug is removed from the mains socket or if there has been a power cut.

 The machine must not be allowed to draw in additional dust and shavings. When switching the machine on and off, keep it away from dust deposits. After switching off the machine, only place it down when the motor has come to a standstill.

 In continuous operation, the machine continues running if it is forced out of your hands. Therefore, always hold the machine with both hands using the handles provided, stand securely and concentrate.

### Switching on:

Push the sliding switch (A2-9) forwards.

For continuous operation, now tilt it downwards until it engages.

### Switching off:

Press the rear end of the sliding switch (A2-9) and release it.

## 12. Troubleshooting



### The electronic signal indicator (A2-10) lights up and the load speed decreases.

There is too much load on the machine! Run the machine in idling until the electronic signal indicator switches off.



### The machine does not start. The electronic signal indicator (A2-10) flashes.

..... The restart protection is active. If the mains plug is inserted with the machine switched on or if the power supply is restored following an interruption, the machine does not start up. Switch the machine off and back on again.

## 13. Maintenance

Disconnect the mains plug or remove the battery pack from the machine before starting any maintenance work.

It is possible that particles deposit inside the power tool during operation. This impairs the cooling of the power tool. Conductive build-up can impair the protective insulation of the power tool and cause electrical hazards.

The power tool should be cleaned regularly, often and thoroughly through all front and rear air vents using a vacuum cleaner or by blowing in dry air.

Prior to this operation, separate the power tool from the power source and wear protective goggles and a dust mask.

### 13.1 Change the drive roller

See page 3, figures E1 and E2.

Hold down the spindle locking button (A1-4) and unscrew the drive roller (A2-7).

Then screw the new drive roller back on.

## 14. Repairs



Repairs to power tools must only be carried out by qualified electricians!

If the connection lead is damaged, it must be replaced by a special connection lead.

Contact your sales agency or Eisenblätter if you have Eisenblätter power tools requiring repairs:

Gerd Eisenblätter GmbH  
Jeschkenstraße 12d  
82538 Geretsried  
info@eisenblaetter.de  
www.eisenblaetter.de

## 15. Environmental protection

The generated sanding dust may contain harmful substances: dispose of appropriately.

Observe national regulations on environmentally compatible disposal and on the recycling of disused tools, packaging and accessories.



Only for EU countries: never dispose of power tools in your household waste! In accordance with European Directive 2002/96/EC relating to electrical and electronic waste and implementation of national law, used electrical tools must be collected separately and disposed of in an environmentally friendly manner at recycling centres.



## Feinstaubschutz-Kappe 40092 Filtergitter 40093

**DE** Originalbetriebsanleitung

## Particulate matter protection cap 40092 Filter fabric 40093

**EN** Original instructions

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Simply better ideas.



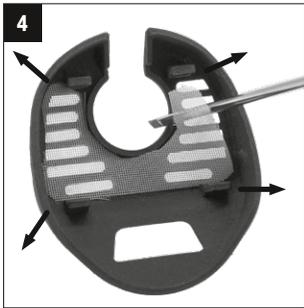
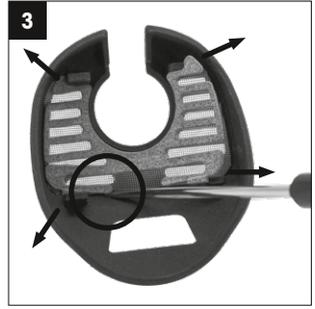
**DE** Lösen sie mit leichtem Druck die Feinstaubschutz-Kappe von der Maschine.

**EN** Remove the fine dust protection cap from the machine with light pressure.



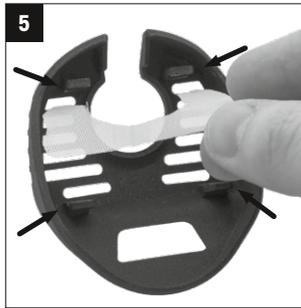
**DE** Entfernen Sie den Filterhalter, indem Sie es mit einem spitzen Gegenstand – wie z. B. ein Schraubendreher – vorsichtig aus den vier Vertiefungen in der Feinstaubschutz-Kappe lösen.

**EN** Remove the filter holder by carefully pulling it out of the four recesses in the fine dust protection cap with a pointed object – e.g. a screwdriver.



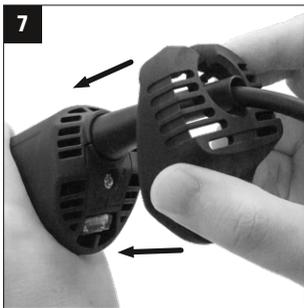
**DE** Entfernen Sie nun das Filtergitter – auch hier empfehlen wir die Verwendung eines Schraubendrehers. Legen Sie im Anschluss ein neues Filtergitter ein.

**EN** Now remove the filter fabric – here we also recommend using a screwdriver. Then insert a new filter fabric.



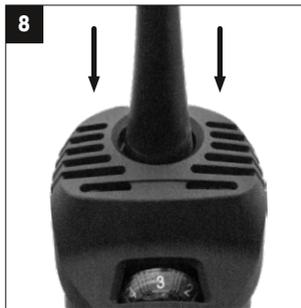
**DE** Legen Sie den Filterhalter wieder in die dafür vorgesehenen Vertiefungen.

**EN** Place the filter holder back in the recesses provided for it.



**DE** Befestigen Sie die Feinstaubschutz-Kappe wieder an der Maschine. Am besten führen Sie ihn über das Kabel und drücken im Anschluss die Befestigungs-Clips, bis diese einrasten.

**EN** Reattach the fine dust protection cap to the machine. It is best to run it over the cable and then press the fastening clips until they click into place.





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2021/07