

BRISTLE BLASTER® AXIAL



**PREPARATION
FROM
SCRATCH**





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12	DE
21	ES
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1. Responsibility of the owner and/or the user of the powertool

These operating instructions are included with the Bristle Blaster® Axial and must always accompany it, including at the time of sale. The owner and/or user of the Bristle Blaster® Axial must read these instructions carefully before operating the Bristle Blaster® Axial. The manufacturer accepts no liability for personal injury or property damage resulting from improper or inappropriate use of the Bristle Blaster® Axial.

2. Packaging

Packaging material must be disposed of in accordance with relevant national regulations.

3. Important safety information and safety instructions

The statutory accident prevention regulations and other generally recognized safety and occupational health regulations as well as the accident prevention regulations for power-operated equipment must be observed at all times. Any use exceeding such regulations shall be considered improper and the manufacturer accepts no responsibility for such use. To ensure safe operation, the Bristle Blaster® Axial must be operated, maintained and repaired by trained and qualified personnel only. Qualified personnel are persons who, on the basis of their training, experience and instruction, as well as their knowledge of relevant standards, regulations and accident prevention rules, are authorized to perform the required tasks and are able to recognize and avoid possible dangers. The operator must ensure that the persons entrusted with operation, care, maintenance and repair have read and understood the operating instructions and observe them in all respects in order to:

- prevent danger to life and limb of the user and third parties,
- ensure the operational safety of the Bristle Blaster® Axial, and
- prevent downtime and damage to the environment due to incorrect handling.

Work areas and responsibilities must be clearly defined and observed so that all competencies are clear and no safety issues arise. Mechanical maintenance work must be carried out at the prescribed intervals and to the prescribed extent.

Disassembly, shutdown and/or bridging of guards (covers, protective cladding, start guards, levers, pressure regulators, etc..) can cause injury to persons and material damage to property. Following maintenance, all disassembled tools must be properly re-assembled and the tools checked and verified by trained expert personnel to ensure the tool can be put back into safe operation.

The manufacturer warrants the Bristle Blaster® Axial according to the Terms and Conditions of Sale and Delivery.

The warranty shall not apply in cases where:

- damage is caused by improper operation,
- repairs or interventions are carried out by unauthorized persons,
- accessories and spare parts are used which are not approved by the manufacturer for use with the Bristle Blaster® Axial.

Breakdowns must be reported upon detection and all defects repaired immediately to minimize the extent of damage and not impair the safety of the tool. Non-compliance will void the warranty.

4. Work area

1. Keep the work area clean. Cluttered work areas and work benches pose a risk of injury.
2. Never allow children, unauthorized persons or persons without safety goggles and other protective equipment to enter the work area.
3. Always operate the tool in a well-ventilated work area.



4.1 Personal safety

1. Wear suitable protective clothing. Never wear loose clothing or jewelry that can be caught by moving parts. Protect long hair with a headband or a hair net.
2. Always wear safety goggles, a dust mask, hearing protection, gloves and non-slip footwear.
3. Ensure that the tool is held safely during operation. Always ensure a firm and secure footing.

4.2 Tool use and due diligence

1. Remove the Allen key after installing accessories such as the mounting system and Bristle Blaster® Belt. Always ensure that the Allen key is removed before switching on the tool.
2. Prevent the tool from being switched on unintentionally. Never carry the tool while it is plugged in and your hand is on the start lever. Ensure that the start lever is not actuated when the tool is connected to the compressed air line.
3. Exercise caution. Handle tool with care. Use your common sense.
4. Never operate this or any other tool when you are fatigued.
5. Do not stand in front of or next to the user during operation. Establish a safe distance so that persons cannot be injured by objects ejected or falling from the workspace.
6. Maintain the tool carefully. Follow the instructions for lubricating and replacing accessories (see Chapter 5, Compressed air supply).
7. When not in use and prior to maintenance switch off the tool and disconnect it from the compressed air supply.
8. Do not perform any maintenance on the tool while the tool is connected to the compressed air supply. Before replacing or inspecting accessories, such as the mounting system and the Bristle Blaster® Belt, disconnect the tool from the compressed air supply.
9. Never touch the Bristle Blaster® Belt when the tool is in operation.
10. Regularly check the pneumatic connection lines and replace them if damaged. Keep vertical handle and tool body dry, clean and free of oil and grease. A smeared tool body can lead to accidents.

4.3 Special safety instructions

1. Before each use, check the tool for damaged and defective parts or other conditions that may affect tool operation. Never use the tool with a defective start lever. Never use the tool if it is damaged or set incorrectly. All damaged safety devices, start levers or other defective parts must be repaired or replaced by an authorized service technician.
2. When working on small or moving parts, secure them with a vise or screw clamp.
3. Only use the tool with original Bristle Blaster® accessories such as the mounting system and Bristle Blaster® Belts. Bristle Blaster® Belts are specially designed for use on Bristle Blaster® tools and must not be used with other accessories and other tools.
4. After replacing the Bristle Blaster® Belt, check the mounting system for correct installation.
5. The Bristle Blaster® Axial operates optimally at a flow pressure of 75 psi (5.2 bar). The unit is equipped with a mounted air pressure regulator, which adjusts the air pressure down to the required flow pressure.

Notice!

Please use a hose rupture protection. This protects personnel and the working environment from damage that can occur if a compressed air system or hose bursts!

6. Check compressed air at regular intervals. To ensure that the compressed air is clean and lubricated, integrate a maintenance unit into the compressed air line if required.
7. Ensure that the belts are not damaged when placing the tool on a work table.
8. When not in use, disconnect the tool from the compressed air supply and store it in a suitable place to prevent accidental or unauthorized use in the absence of an authorized operator.
9. When using the tool, always hold it by the tool body.
10. Always use Bristle Blaster® Belt in its correct working direction.
11. The Bristle Blaster® Belt can produce sparks when working on hard surfaces.
12. Never carry the tool by the compressed air hose. Protect the compressed air hose from heat, sharp edges and being run over (use hose rupture protection).
13. If the tool suddenly feels different (vibration strength) or makes a different noise (pitch), the tool should be switched off immediately and the accessories such as the mounting system or Bristle Blaster® Belt should be checked for damage.

5. Compressed air supply

When using 11 mm Bristle Blaster® Belts, a flow pressure of 75 psi (5.2 bar) is required at the tool.

Correct air pressure increases the service life!

The compressed air supply must be free of water. For this reason, a water separator should be used to prevent condensation. If the compressed air hose is too long, the tool will not be supplied with the required air pressure. To ensure that the compressed air motor operates properly and has a long service life, the use of a lubricator for the compressed air line is strongly recommended.

6. Putting into operation

Application area:

The Bristle Blaster® Axial design has advantages over conventional Bristle Blaster® in-line tools for many uses and applications. For example, work on flanged edges of doors and hoods, on car roof joints and wheel arches, as well as angular parts, fillet welds and other hard-to-reach areas of steel structures can be facilitated with the Bristle Blaster® Axial.

Handling:

- 6.1 The tool should always be equipped with the supplied protective hood (see Fig. 1).
- 6.2 Connect the tool to a compressed air system with maintenance unit (filter, regulator, oiler).
- 6.3 When selecting Bristle Blaster® Belts, consider the surface that will be machined. Bristle Blaster® Belts are available in carbon steel and stainless steel.
- 6.4 Disconnect the compressed air supply and then properly attach the Bristle Blaster® Belt to the tool using the corresponding mounting system and observing the running direction (see Fig. 2).
- 6.5 Start the tool by moving the safety stop forward and pressing the start lever. The start lever will return to its original position when released.
- 6.6 Continuous speed control. The Bristle Blaster® Axial runs at variable speed depending on pressure on the valve lever. This allows the most suitable speed to be selected for the work to be performed. Light pressure results in a low speed, making a smooth controlled start-up possible.
- 6.7 Prevent water (moist air) from entering the pneumatic tool under all circumstances.



Fig. 1

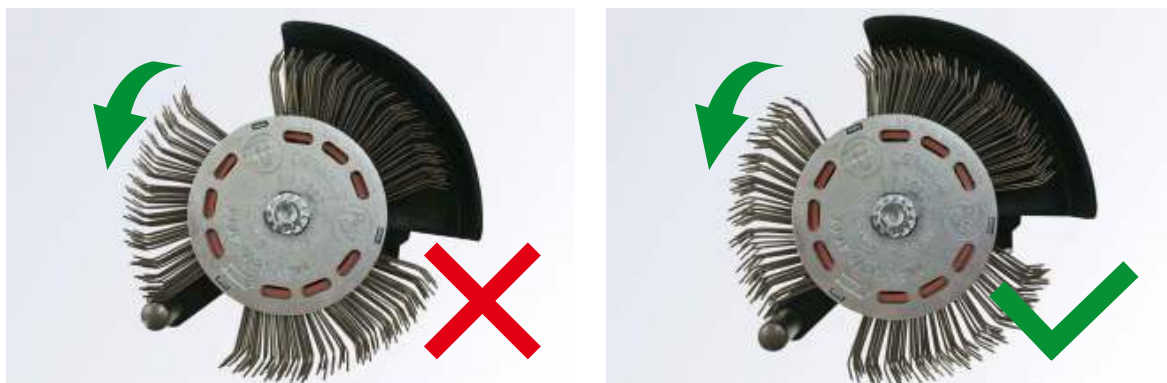


Fig. 2

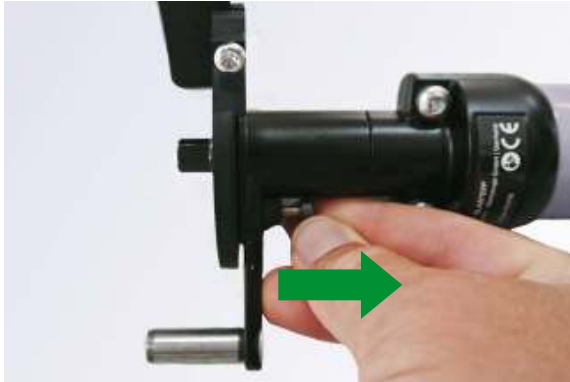
7. Setting the protective hood

The protective hood can be set in various positions depending on the desired working position. Change the position as described below.



8. Attaching the Accelerator Bar

The Bristle Blaster® Axial can be used with or without the Accelerator Bar. If increased impact with a higher degree of roughness is required, equip the tool with the Accelerator Bar. Assemble and disassemble the Accelerator Bar as described below.



9. Changing the Bristle Blaster® Belt

Bristle Blaster® Belts can be changed quickly and easily as described below.





10. Technical data

10.1 Technical data: Bristle Blaster® Axial

Specifications	Value unit	
Air consumption	400 liters/min. 14,2 CFM	
Compressed air connection	R 1/4"	
Required hose diameter	3/8" ID (9,5 mm)	
Weight	1,1 kg	
Idling speed (unloaded), at 75 psi (5.2 bar) flow pressure	2600 ± 5 %	
Speed with 11 mm belt	2100 ± 5 %	
Sound pressure level (L_{pA})	84 dB(A)	Wear hearing protection!
Vibration (motor a_{hw}) with 11 mm belt	1,45 m/s ²	

10.2 Technical data: Pressure regulator

Specifications	Value Unit
Compressed air connection	G 1/4"
Weight	90 g

11. Lubrication / Maintenance

If the tool is new, ensure that the compressed air motor is lubricated before use. If a lubricator connected in series is not used, add a few drops of light oil to the compressed air connection daily. Proper lubrication will ensure a longer tool service life.

12. Service information

1. All maintenance work on the tool must be carried out exclusively by trained and qualified technical personnel or by the dealer from whom you purchased the tool. Repair or maintenance by unqualified personnel could result in injury and/or damage to the tool.
2. Use only original spare parts when servicing this tool. The use of unauthorized parts or failure to comply with the maintenance instructions will void the warranty and pose a risk of personal injury.

13. Troubleshooting

Error	Cause	Solution
Belt not rotating or rotating slowly	Compressor not working	Switch on or check compressor
	Filter or compressed air hose clogged	Clean compressed air line
	Insufficient compressor pressure	Increase compressor pressure
	Insufficient compressor power	Use stronger compressor
	Compressed air hose too long	Use compressed air hose of suitable length
	Compressed air hose diameter too small	Use compressed air hose of suitable size
	Compressed air motor not sufficiently lubricated	Add a few drops of oil to compressed air connection
	Valve or valve sealing ring defective	Service by qualified technician

Error	Cause	Solution
Unusual sound	Mechanical parts not sufficiently lubricated	Service by qualified technician
	Belt or other machine parts defective	Insert new belt / service by qualified technician
	Water entering the machine through the compressed air supply	Service by qualified technician
Rotating belt vibrating strongly	Mounting system is not properly fastened	Refit the mounting system
	Foreign object jammed between spindle and mounting system	Remove object and remount
	Mounting system worn out	Use new mounting system
	Belt defective	Insert new belt
Mounting system loosening during operation	Screw not tightened or no fan blade used	Use serrated washer and tighten screw
	Screw / serrated washer worn out	Use new screw / serrated washer