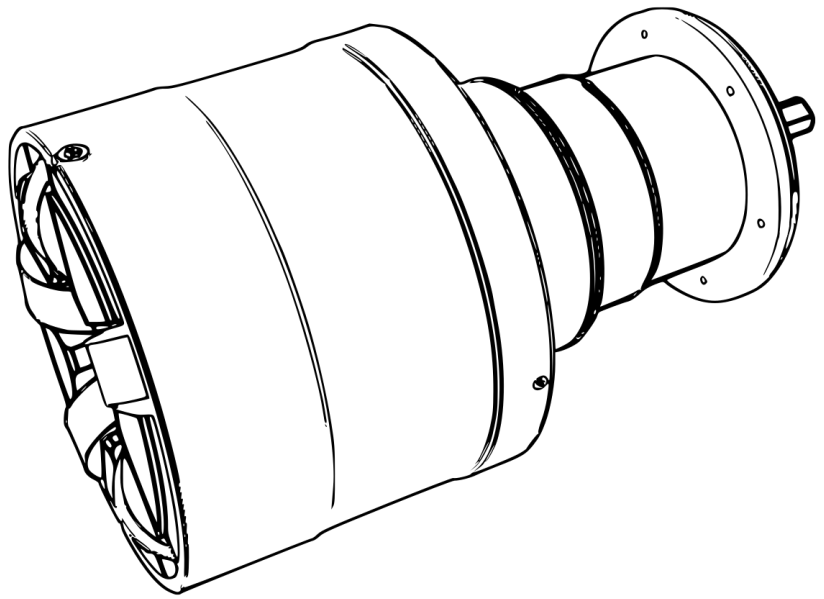


BoltClean



User manual
ARG External Thread Cleaner



BoltClean

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1. Preface

1.1. General

The purpose of this manual is to inform you, the user, about all the relevant precautions and essential operating procedures for the safe and correct operation of the device.

This user manual contains the information you, the user, need to use it as safely, efficiently, and comfortably as possible. In addition to such topics as operation and use, maintenance and troubleshooting which you can conduct yourself if necessary is also covered.

The document contains the instructions for the ARG external thread cleaner, referred to by the term 'device'. The term 'system' is used as a more general term to refer to a combination with other **BoltClean** products, devices, or machines such as the **BoltClean** Thread Cleaning Box (TCB01).

1.1.1. Repairs and maintenance

Repairs and maintenance that are not part of the daily maintenance must always be conducted by an experienced and sufficiently trained engineer. Repairs must always be conducted by or in consultation with **BoltClean**.

INFORMATION

ALWAYS READ THE ENTIRE USER MANUAL, SPECIFICALLY THE SAFETY SECTION, BEFORE USING THE DEVICE



INFORMATION

ENSURE THAT THE LATEST VERSION OF THIS USER MANUAL, AND RELATED DOCUMENTS, ARE ALWAYS WITH THE DEVICE



CAUTION

- THE DEVICE CAN BE USED IN COMBINATION WITH OTHER BOLT CLEAN PRODUCTS, DEVICES OR MACHINES MENTIONED IN THIS DOCUMENT
- THE USE OF OTHER TYPES, TYPES, OR BRANDS OF DEVICES, MACHINERY, PARTS, OR COMPONENTS MAY RESULT IN INJURY AND/OR PROPERTY DAMAGE



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1.2. Reading guide

This user manual consists of several chapters describing the operation and regular maintenance of the device.

1.2.1. Use of the document

Read the document completely.

- Make sure you understand all the instructions
- Follow the safety instructions to avoid injury or damage to equipment
- Always conduct the procedures completely and in the given order

1.3. Relation with other documents

This document is related to document(s):

- **BoltClean** User Manual Thread Cleaning Box (TCB01)
 - document: UMAN|BC|TCB01|00X-20XXXXXX-NL/EN/DE/FR/ES

1.4. Document contents

1.4.1. Language of original document

The source language of this user manual is Dutch. A translation can result in differences of interpretation regarding the content and meaning of the text. In all cases, in case of a dispute, the Dutch version of this document will be regarded as the sole and authentic source for deciding the content and meaning of the text.

1.4.2. Information in this document

The information in this manual has been compiled with the greatest possible care. However, this does not guarantee that this document is free of typos, errors, or outdated information. Therefore, no rights or claims can be derived from the content of this manual.

BoltClean cannot be held liable for any direct, indirect, special, or consequential damage that might arise because of the information contained in this manual. In view of product development and product improvements, **BoltClean** reserves the right to change products or specifications at any time without prior notice.

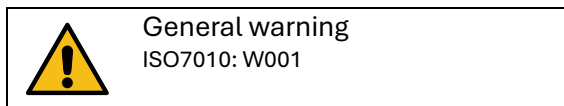
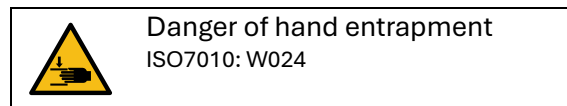
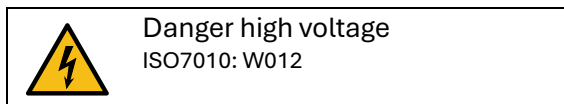
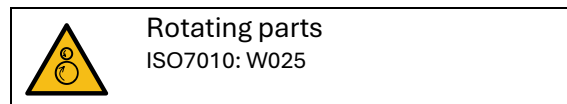
1.5. Corrections, comments, and suggestions

Corrections, comments, and suggestions for improvement can be made known or sent to **BoltClean**.

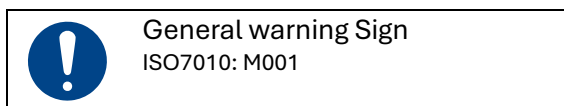
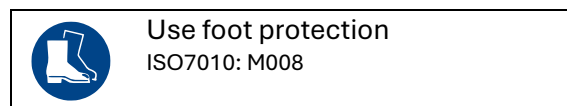
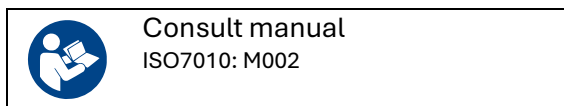
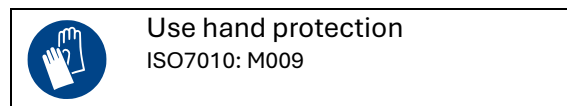
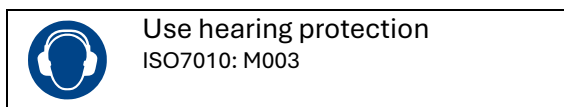
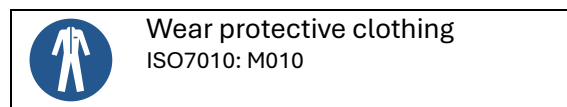
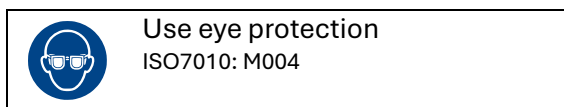
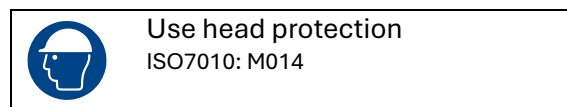
2. Safety

2.1. Symbols and markings used¹

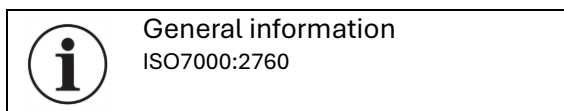
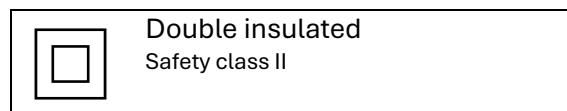
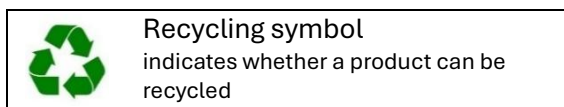
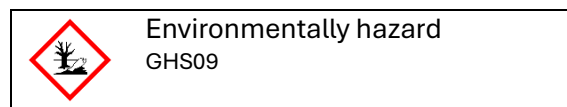
2.1.1. Warnings



2.1.2. Mandatory and prohibited actions



2.1.3. Other symbols and pictograms



¹ Not all symbols shown are included in this user manual, they are also indicative for the user in connection with related user manuals and/or instructions

2.1.4. Warning and information blocks

This publication may have several warning blocks and symbols. They are intended to draw your attention to potential dangers. Always follow the information in the warning blocks to prevent injury, material, or environmental damage.

The warning blocks² may also have added symbols.

	DANGER
	INDICATES AN IMMINENTLY DANGEROUS SITUATION
	FAILURE TO AVOID AN IMMINENTLY DANGEROUS SITUATION <u>WILL</u> RESULT IN DEATH OR SERIOUS INJURY AND/OR MATERIAL OR ENVIRONMENTAL DAMAGE
	<ul style="list-style-type: none">▪ This warning block has a red header

	WARNING
	INDICATES A POTENTIALLY DANGEROUS SITUATION
	FAILURE TO AVOID A POTENTIALLY DANGEROUS SITUATION CAN RESULT IN DEATH OR SERIOUS INJURY AND/OR MATERIAL OR ENVIRONMENTAL DAMAGE
	<ul style="list-style-type: none">▪ This warning block has an orange header

	CAUTION
	INDICATES A POTENTIALLY DANGEROUS SITUATION
	FAILURE TO AVOID A POTENTIALLY DANGEROUS SITUATION CAN RESULT IN INJURY AND/OR MATERIAL OR ENVIRONMENTAL DAMAGE
	<ul style="list-style-type: none">▪ This warning block has a yellow header

	INFORMATION	
	INDICATES OR REFERS TO ADDITIONAL INFORMATION THAT IS DIRECTLY OR INDIRECTLY RELATED TO THE DEVICE OR TO INFORMATION FROM THIS USER MANUAL	
	<ul style="list-style-type: none">▪ This warning block has a blue header	

² Not all described warning blocks are included in this user manual, they are also indicative for the user in connection with related user manuals and/or instructions

2.2. General Safety instructions

2.2.1. Liability

BoltClean cannot be held responsible for any injury or damage resulting from unintended use of the device. The device is designed and intended only for the purpose described in the relevant documents. Use that is not described is considered unintended use and may result in injury or damage.

Unintended use includes:

- using devices not approved by **BoltClean**
- use of devices that are not suitable or incompatible with **BoltClean** equipment
- alter or changing the device in any way
- allowing unqualified personnel to perform tasks on or with the device

2.2.2. Safety of personnel

- Do not allow unqualified personnel to perform tasks on or with the device
- Keep unqualified personnel, children, and animals away from the device
- Do not use the device under the influence of mood-altering substances
- Follow local labour and safety laws and environmental regulations

WARNING

- USE THE CORRECT PROTECTIVE EQUIPMENT THAT IS IN ACCORDANCE WITH THE APPLICABLE REGULATIONS
- IF APPLICABLE, WEAR THE NECESSARY PERSONAL PROTECTIVE EQUIPMENT (PPE) SUCH AS:
 - SAFETY HELMET, SAFETY GLASSES, HEARING PROTECTION, SAFETY GLOVES, SAFETY SHOES AND OVERALLS



2.2.3. Deployment of qualified personnel

The term "qualified personnel" refers to individuals who thoroughly understand the device and its safe installation, operation, and maintenance.

- Qualified personnel are physically capable of performing the required tasks, are familiar with all relevant safety instructions and regulations, and are trained to safely install, use, and maintain the device

CAUTION

IT IS THE RESPONSIBILITY OF THE COMPANY OPERATING THE DEVICE TO ENSURE THAT THESE REQUIREMENTS ARE MET



2.2.4. Safety of work area

CAUTION

- KEEP THE WORK AREA CLEAN AND WELL-LIT
- KEEP THE WORK AREA CLEAR OF UNWANTED OBSTACLES
- ENSURE FREE PASSAGES IN THE WORK AREA DURING OPERATION

2.2.5. Safety devices

- Only use devices or machines approved by **BoltClean**
- Only use devices or machines that are suitable or compatible with the **BoltClean** device
- Do not change the device in any way
- Inspect the device for visual damage before each use. Follow the instructions for maintaining the device
- Do not expose the device to extremely high or low temperatures

CAUTION

- MAKE SURE THE CORRECT ROTATION SPEED IS SET
- MAKE SURE THE DEVICE IS ADJUSTED TO THE CORRECT BOLT DIAMETER FOR SAFE OPERATION AND THE BEST CLEANING RESULT
- MAKE SURE THAT THE OBJECT TO BE CLEANED IS FREE OF GREASE AND/OR EXCESS DIRT, IF NECESSARY CLEAN THE OBJECT FIRST WITH A DRY CLOTH
- CHECK THAT THE SIDE LOCK SCREW IS PROPERLY TIGHTENED
- BEFORE USE, CHECK THAT ALL FASTENERS ARE PROPERLY TIGHTENED AND FITTED
- FOLLOW ALL STEPS BEFORE TURNING ON THE DEVICE

**ROTATION SPEED WARNING**

IF THE DEVICE IS USED IN COMBINATION WITH THE EXTENSION AND/OR CLAMPS, THE MAXIMUM SPEED MUST BE HALVED

- See also § 3.4 page 10
- See also § 4.2.4 page 18
- See also § 4.2.5 page 20



3. Description and operation

3.1. Intended Use

The **BoltClean** ARG external thread cleaner is a tool designed to clean threads, bolts, studs, and stud ends, from M10 to M120. The device can be used with other **BoltClean** devices.

- See also § 1.3 page 2

3.2. Introduction

3.2.1. Overview

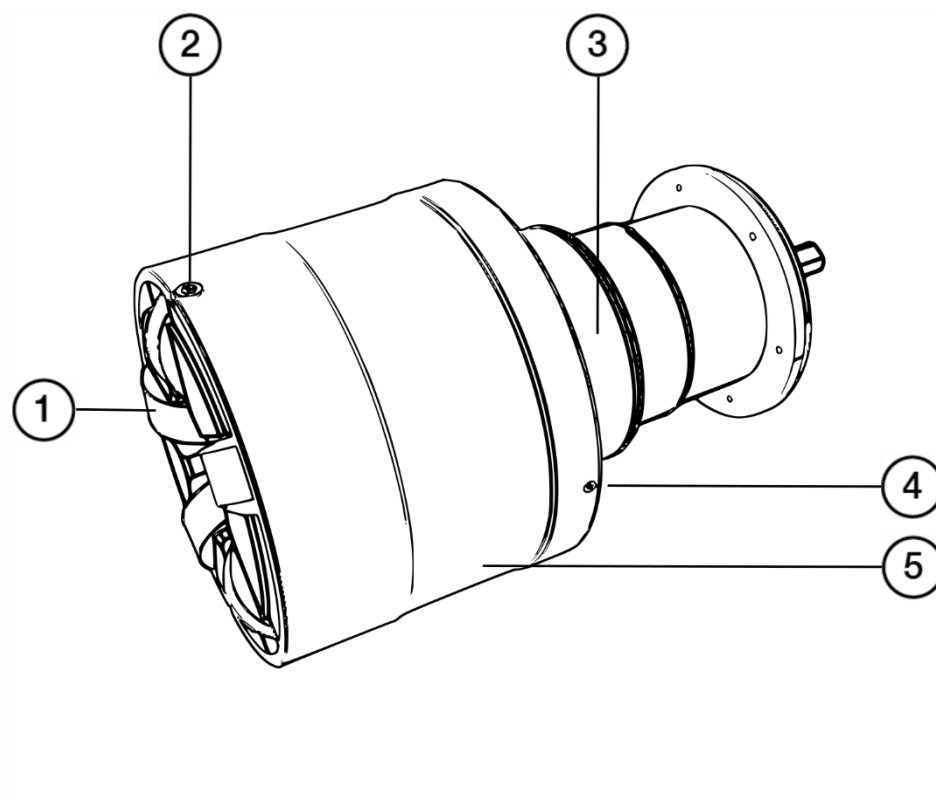


image 1

- ① Brushes
- ② Locking screw
- ③ Adjustment ring
- ④ Side locking screw
- ⑤ Enclosure

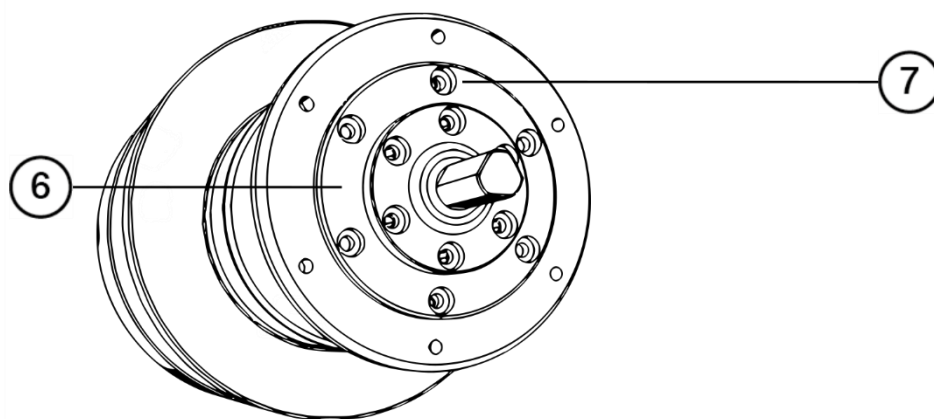


image 2

- ⑥ End cap
- ⑦ Bolt end cap

3.2.1.1. Dust extraction (optional)

- See also § 4.2.3 page 16

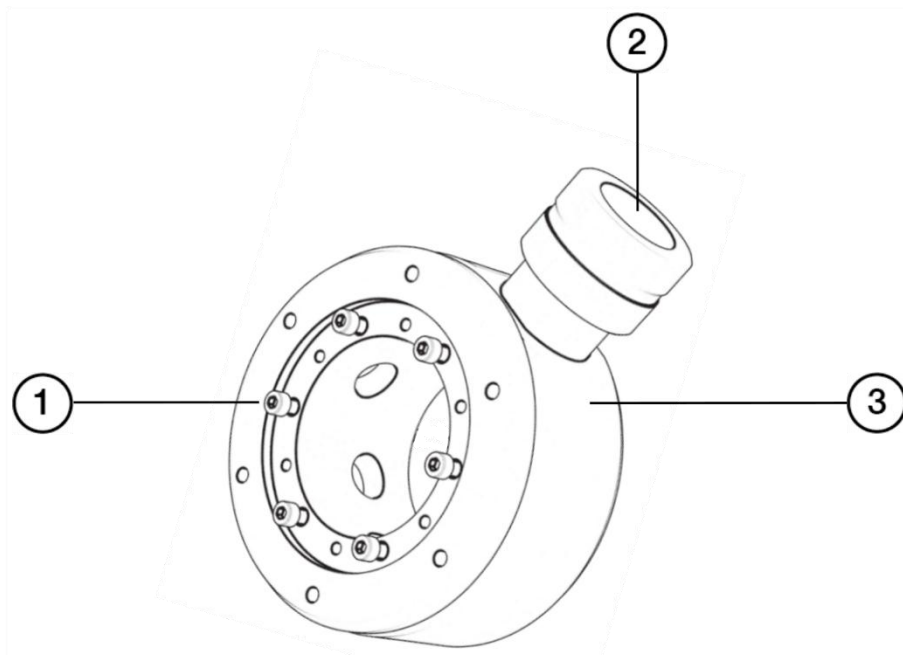


image 3

- ① Mounting bolts
- ② Dust extractor / outlet connection
- ③ Enclosure

3.2.1.2. Extension (optional)

- See also § 4.2.4 page 18

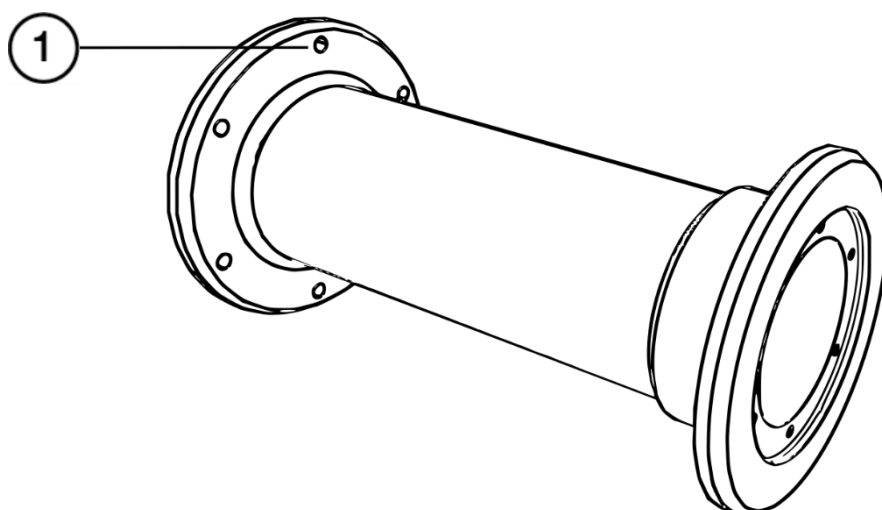


image 4

- ① Bolt holes for fastening

3.3. Operation

The **BoltClean** ARG external thread cleaner is a tool designed to clean threads, bolts, studs, and stud ends, among other things.

The operation is based on the rotation of cleaning brushes around the object to be cleaned.

3.4. Technical specifications

Name : **BoltClean** ARG External Thread Cleaner

Serial number : See device

Diameter x cleaning length		
ARG 10-27	100 x 200	Mm
ARG 20-55	150 x 200	
ARG 35-70	160 x 200	
ARG 50-90	185 x 200	
ARG 90-120	212 x 200	

Weight		
ARG 10-27	2,20	Kg
ARG 20-55	5,10	
ARG 35-70	5,80	
ARG 50-90	7,10	
ARG 90-120	9,32	

Brushes		
ARG 10-27	3	Pieces
ARG 20-55	5	
ARG 35-70	6	
ARG 50-90	6	
ARG 90-120	6	

Rotation speed (maximum)		
ARG 10-27	500	rpm
ARG 20-55		
ARG 35-70		
ARG 50-90	300	
ARG 90-120	250	

ROTATION SPEED WARNING

IF THE DEVICE IS USED IN COMBINATION WITH THE EXTENSION AND/OR CLAMPS, THE MAXIMUM SPEED MUST BE HALVED

- See also § 4.2.4 page 18
- See also § 4.2.5 page 20



3.5. Declaration of conformity, CE marking

The **BoltClean** ARG external thread cleaner is CE marked³.
This is visible on the device.

-See also image 5 page 11

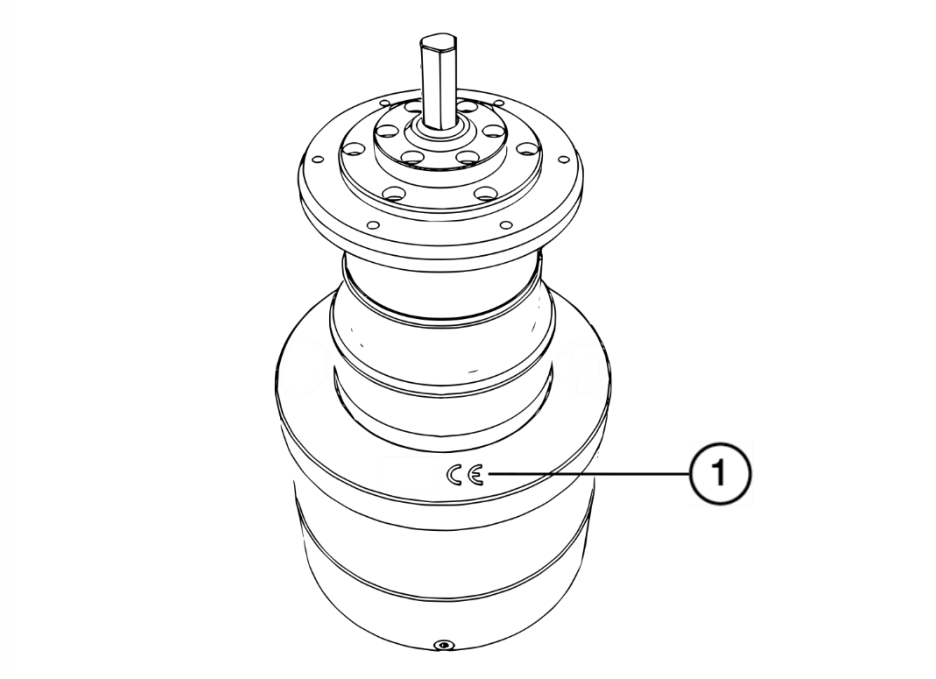


image 5

① CE marking

INFORMATION

IF THE MODIFIED DEVICE IS RE-IMPORTED OR OFFERED IN A COUNTRY THAT FALLS WITHIN THE SCOPE OF THE EUROPEAN MACHINERY DIRECTIVE 2006/42/EC AND/OR REGULATION (EU) 2023/1230, THE IMPORTER/PROVIDER IS RESPONSIBLE FOR THE INSPECTION AND WRITTEN CONFIRMATION. THAT THE CONDITION AND STATUS UPON IMPORT INTO THE EC COMPLIES WITH THE STANDARDS AND GUIDELINES STATED IN THE DECLARATION OF CONFORMITY



³ In view of product developments and product improvements, it is possible that the document with the declaration that came with the device has now been replaced by a more recent version

3.6. Lifetime

The life expectancy is highly dependent on use, periodic maintenance, and events. When your **BoltClean** device is used over the years, parts wear out and malfunctions and/or defects can occur.

Due to these variable factors, it is not possible to give an unambiguous expectation for the lifespan. Under normal use, the technical service life of the device will be comparable to similar devices.

- See also § 10 page 34

INFORMATION

THE LIFE EXPECTANCY IS HIGHLY DEPENDENT ON USE, INTERIM MAINTENANCE AND EVENTS

INCORRECT USE OR INCIDENTS WITH THE DEVICE CAN GREATLY SHORTEN THE SERVICE LIFE

THE USER IS EXPRESSLY RESPONSIBLE FOR THE CORRECT USE AND PROPER MAINTENANCE OF THE DEVICE



INFORMATION

NO RIGHTS CAN BE DERIVED FROM THE LIFESPAN EXPECTATIONS, NOR CAN THIS LEAD TO AN EXTENSION OF WARRANTY OBLIGATIONS AND/OR ANY LIABILITY ON THE PART OF THE SUPPLIER AND/OR PRODUCER OF BOLT CLEAN PRODUCTS



4. Commissioning

4.1. General instructions for commissioning

INFORMATION

ALWAYS READ THE ENTIRE USER MANUAL, SPECIFICALLY THE SAFETY SECTION, BEFORE USING THE DEVICE



4.2. Preparation for commissioning

CAUTION

- MAKE SURE THE CORRECT ROTATION SPEED IS SET
- MAKE SURE THE DEVICE IS ADJUSTED TO THE CORRECT BOLT DIAMETER FOR SAFE OPERATION AND THE BEST CLEANING RESULT
- MAKE SURE THAT THE OBJECT TO BE CLEANED IS FREE OF GREASE AND/OR EXCESS DIRT, IF NECESSARY CLEAN THE OBJECT FIRST WITH A DRY CLOTH
- CHECK THAT THE SIDE LOCK SCREW IS PROPERLY TIGHTENED
- BEFORE USE, CHECK THAT ALL FASTENERS ARE PROPERLY TIGHTENED AND FITTED
- FOLLOW ALL STEPS BEFORE TURNING ON THE DEVICE



4.2.1. Mounting the external thread cleaner on a drive

To correctly install the **BoltClean** ARG external thread cleaner on the device used for the drive, the manual of the respective drive device must be consulted.

- 1** Set the maximum rotation speed on the drive device
 - the maximum rotation speed of the **BoltClean** ARG external thread cleaner is indicated on the external thread cleaner

- See also § 3.4 page 10
- See also image 6 page 14

- 2** Set the direction of rotation of the drive device to 'clockwise'

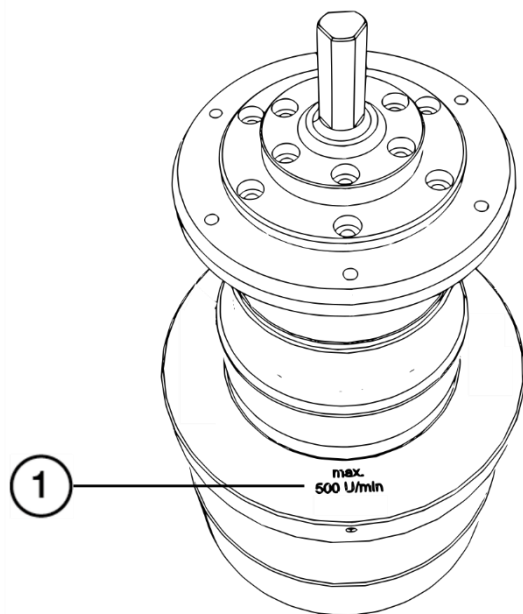


image 6

- ① Maximum rotation speed

CAUTION

- BE SURE THAT THE MAXIMUM ROTATION SPEED CANNOT BE EXCEEDED
- CHECK THAT THE DIRECTION OF ROTATION IS SET CORRECTLY



4.2.2. Adjusting the cleaning head

For effective cleaning, the cleaning head can be adjusted to the diameter of the object to be cleaned.

- 1** Loosen the side lock screw
- See also image 7 page 15
- 2** Set the desired diameter using the adjusting ring
 - turning clockwise; larger diameter
 - turning counterclockwise; smaller diameter- See also image 7 page 15

Turn the adjusting ring to the desired diameter and until there is an audible 'click'

- 3** Retighten the side lock screw
 - the adjusting ring can no longer be adjusted/rotated

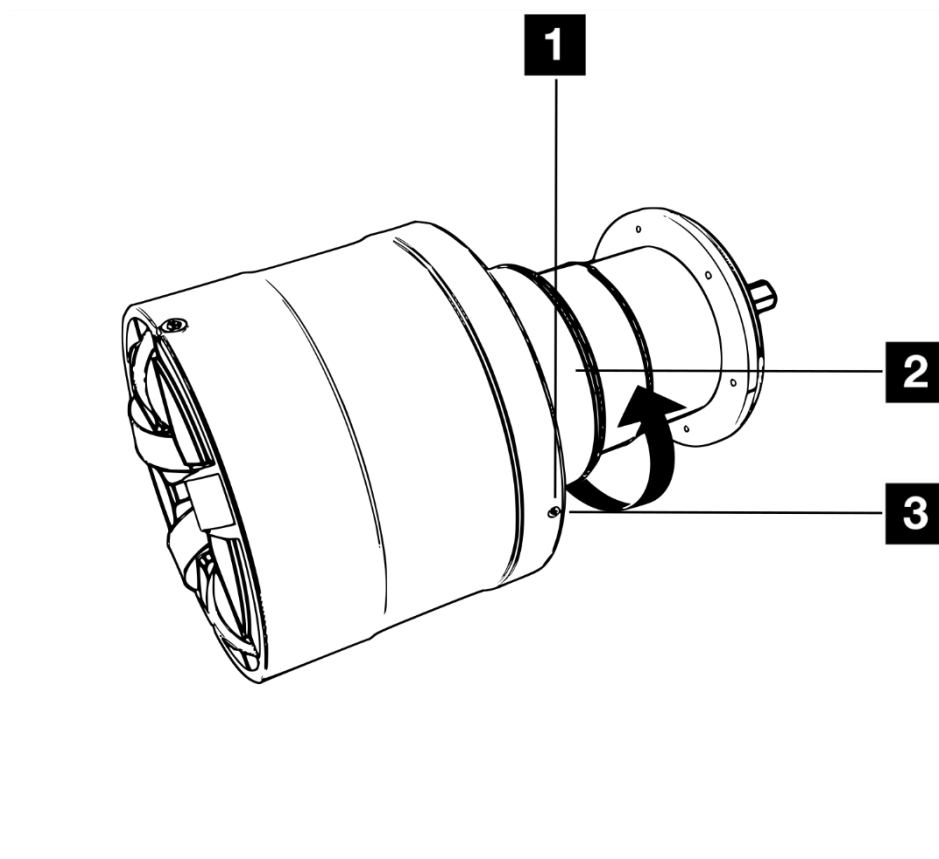


image 7

CAUTION

CHECK THAT THE SIDE LOCK SCREW IS PROPERLY TIGHTENED AND THAT THE ADJUSTING RING CAN NO LONGER BE ADJUSTED



4.2.3. Mounting dust extraction (optional)

- 1** Remove the end cap by removing the 6 bolts from the end cap
 - keep these bolts and store them

- See also *image 8* page 16
- 2** Place the dust extractor where the end cap was removed

- See also *image 9* page 16
- 3** Place the end cap on the dust extraction and secure the assembly with the 6 bolts supplied with the dust extraction

- See also *image 9* page 16
- 4** Connect the hose of an industrial vacuum cleaner to the socket/outlet of the dust extractor

- See also *image 10* page 17

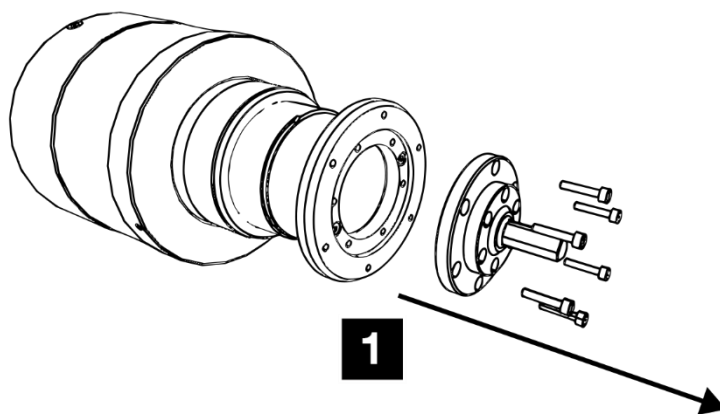


image 8

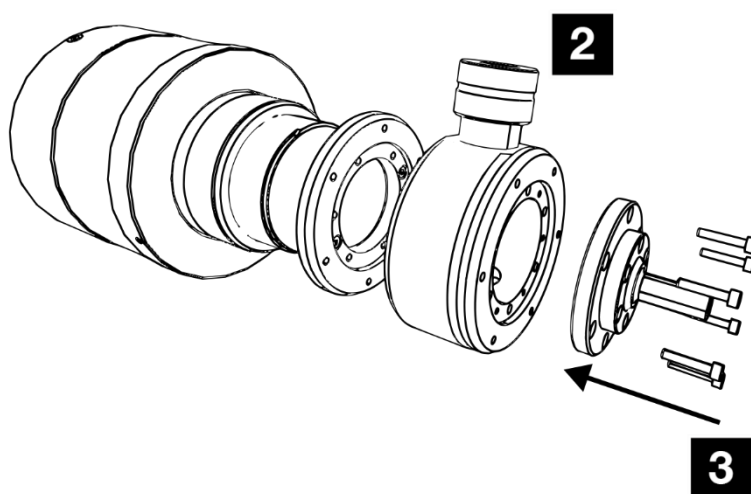
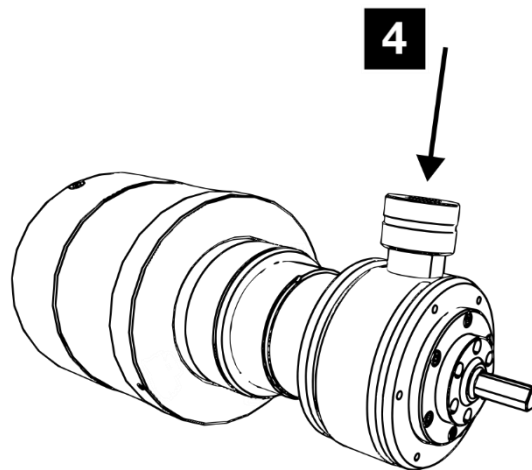


image 9

*image 10***CAUTION**

BEFORE USE, CHECK THAT ALL FASTENERS ARE PROPERLY TIGHTENED AND FITTED



4.2.3.1. Dismantling dust extraction

To dismantle the dust extractor, follow the steps described in § 4.2.3, in reverse order.

- See also § 4.2.3 page 16

4.2.4. Mounting extension (optional)

ROTATION SPEED WARNING

IF THE DEVICE IS USED IN COMBINATION WITH THE EXTENSION, THE MAXIMUM SPEED MUST BE HALVED

- See also § 3.4 page 10



- 1** Remove the end cap by removing the 6 bolts from the end cap
 - set these aside for use in step **3**

- See also image 11 page 18
- 2** Place the extension in the place where the end cap was removed and fix the extension with the 6 bolts supplied with the extension

- See also image 12 page 18
- 3** Place the end cap on the extension and secure with the 6 bolts that belong to the end cap. These are the bolts removed in step **1**

- See also image 13 page 19
- 4** The ARG external thread cleaner with extension is ready for use

- See also image 14 page 19

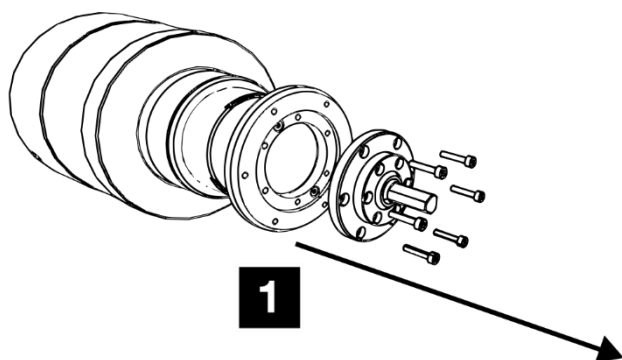


image 11

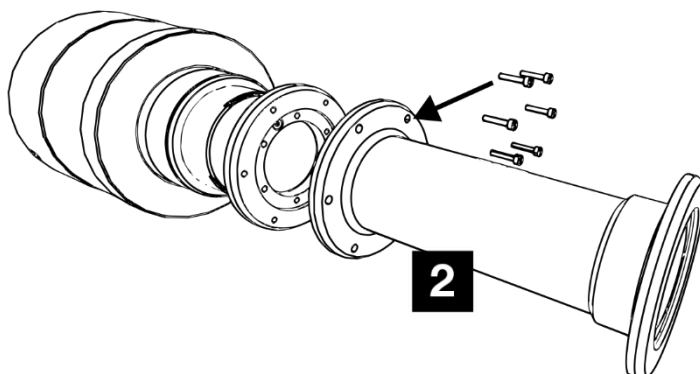


image 12

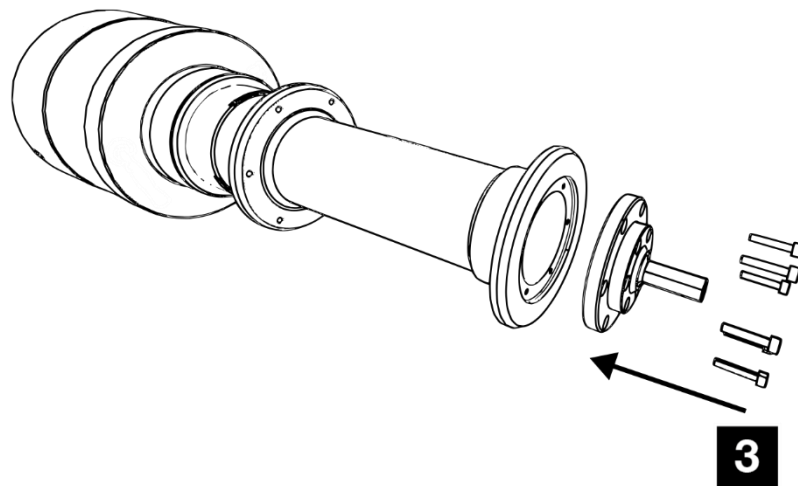


image 13

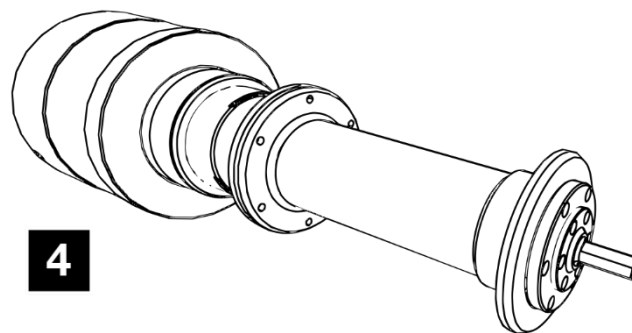


image 14

CAUTION

BEFORE USE, CHECK THAT ALL FASTENERS ARE PROPERLY TIGHTENED AND FITTED



4.2.4.1. Disassemble extension

To remove the extension, follow the steps described in § 4.2.4, in reverse order.

- See also § 4.2.4 page 18

4.2.5. Mounting dust extraction and extension

ROTATION SPEED WARNING

IF THE DEVICE IS USED IN COMBINATION WITH THE EXTENSION, THE MAXIMUM SPEED MUST BE HALVED

- See also § 3.4 page 10



- 1** Remove the end cap by removing the 6 bolts from the end cap
 - Save these bolts and store them for step **6**
 - See also image 15 page 20
- 2** Place the dust extractor where the end cap is removed and secure the dust extractor with the 6 bolts supplied with the dust extractor
 - See also image 16 page 20
- 3** Dust extraction is now mounted on the ARG external thread cleaner
 - See also image 17 page 21
- 4** Place the extension on the dust extractor and attach the extension with the 6 bolts supplied with the extension
 - See also image 18 page 21
- 5** Extension is now mounted on the dust extraction
 - See also image 19 page 21
- 6** Place the end cap on the extension and secure the whole thing with the 6 bolts that belong to the end cap. These are the bolts removed in step **1**
 - See also image 20 page 22
- 7** Connect the hose of an industrial vacuum cleaner to the socket/outlet of the dust extractor
 - See also image 21 page 22

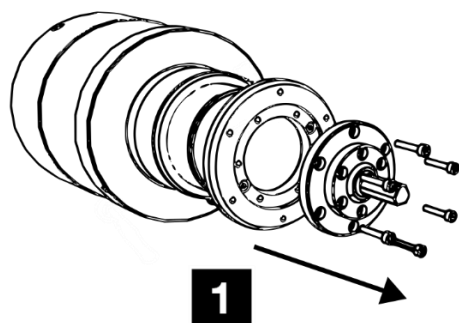


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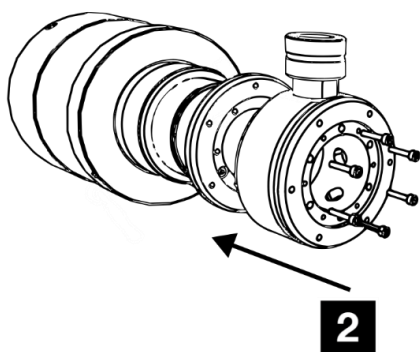


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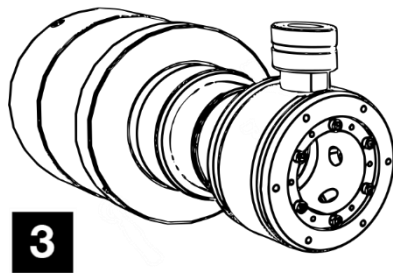


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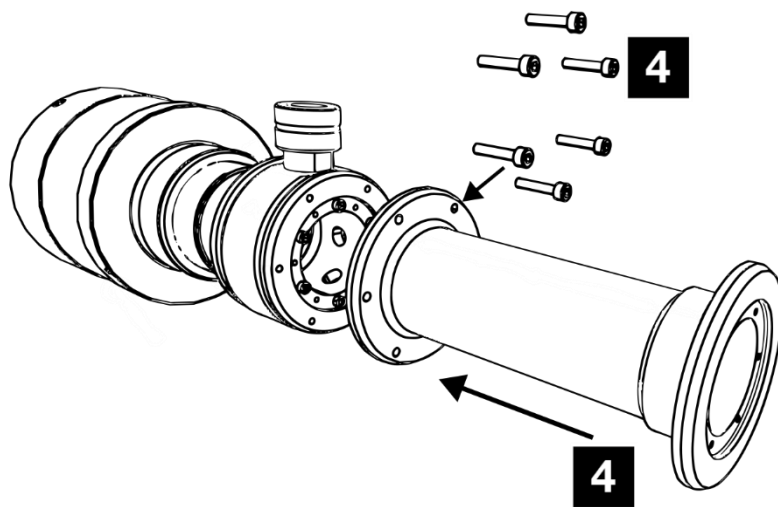


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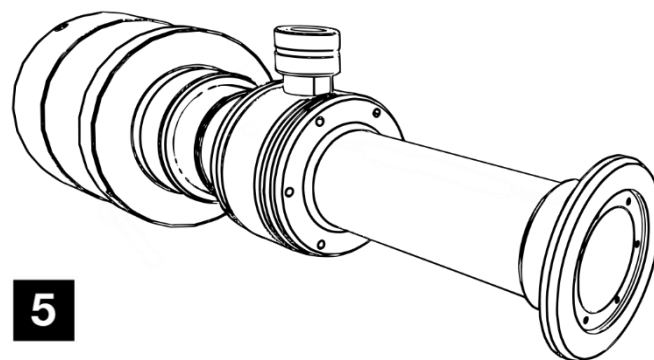


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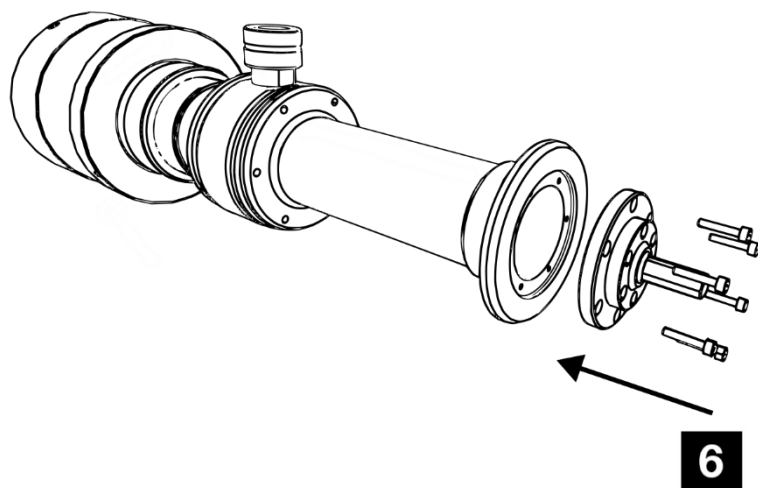


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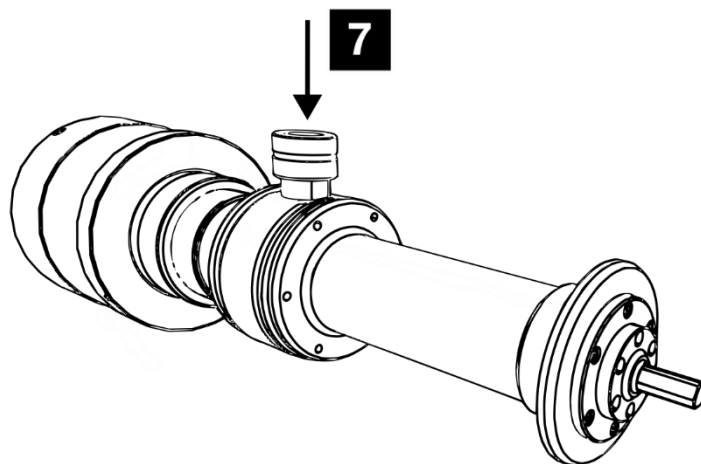


image 21

CAUTION

CHECK THAT THE CORRECT BOLTS ARE INSTALLED IN THE CORRECT PLACE BEFORE USE



CAUTION

BEFORE USE, CHECK THAT ALL FASTENERS ARE PROPERLY TIGHTENED AND FITTED



4.2.5.1. Disassemble dust extraction and extension

To disassemble the dust extractor and extension, follow the steps described in § 4.2.5, in reverse order.

- See also § 4.2.5 page 20

5. Operation and use

5.1. General instructions for operation and use

INFORMATION

ALWAYS READ THE ENTIRE USER MANUAL, SPECIFICALLY THE SAFETY SECTION, BEFORE USING THE DEVICE



CAUTION

- MAKE SURE THE CORRECT ROTATION SPEED IS SET
- BE SURE THAT THE MAXIMUM ROTATION SPEED CANNOT BE EXCEEDED
- MAKE SURE THE DEVICE IS ADJUSTED TO THE CORRECT BOLT DIAMETER FOR SAFE OPERATION AND THE BEST CLEANING RESULT
- CHECK THAT THE DIRECTION OF ROTATION IS SET CORRECTLY
- MAKE SURE THAT THE OBJECT TO BE CLEANED IS FREE OF GREASE AND/OR EXCESS DIRT, IF NECESSARY CLEAN THE OBJECT FIRST WITH A DRY CLOTH
- CHECK THAT THE SIDE LOCK SCREW IS PROPERLY TIGHTENED
- FOLLOW ALL STEPS BEFORE TURNING ON THE DEVICE



5.2. Operation

5.2.1. Turn device on or off

CAUTION

REFER TO THE OPERATING INSTRUCTIONS FOR THE DRIVING DEVICE BEFORE SWITCHING ON THE DRIVING DEVICE WITH THE MOUNTED ARG EXTERNAL THREAD CLEANER



5.3. Cleaning objects

- 1** Place the cleaning brushes against the object to be cleaned
- 2** Switch on the drive device
- See also § 5.2.1 page 23
- 3** Move the ARG external thread cleaner repeatedly over the object to be cleaned until it is clean
- 4** Switch off the drive device
- See also § 5.2.1 page 23

6. Maintenance and inspection

6.1. General instructions for maintenance and inspections

CAUTION

ONLY PERFORM MAINTENANCE IF THE ARG EXTERNAL THREAD CLEANER IS NOT
MOUNTED ON OR IN A DRIVE DEVICE



6.2. Periodic maintenance

Regular maintenance is required for the safe and effective operation of your **BoltClean** device.

- Clean the appliance externally with a dry cloth
- Remove dust and any contamination residue
- Check the entire device for damage
- Check that all fasteners/nuts are still tightened

6.3. Replacing brushes

CAUTION

REPLACE THE BRUSHES ONLY IF THE ARG EXTERNAL THREAD CLEANER IS NOT MOUNTED ON OR IN A DRIVE DEVICE



- 1** Loosen the locking screw and side locking screw
-See also image 22 page 26
- 2** Hold the cleaning head with the brushes facing away from you and turn the adjusting ring fully anticlockwise to the end of the wire
-See also image 23 page 26
- 3** Slide the adjusting ring towards the end cap
-See also image 24 page 27
- 4** The countersunk screws that secure the springs are now visible. Loosen each one slightly to reduce the tension on the brushes
-See also image 25 page 27
- 5** Slide the housing over the adjusting ring towards the end cap
-See also image 26 page 28
- 6** Remove the brush(s) to be replaced including the brush holder(s) from the housing
-See also image 27 page 28
- 7** Remove the cylinder pin from the brush holder and now remove the brush from the brush holder
-See also image 28 page 29
- 8** Place the new brush in the brush holder and replace the cylinder pin
-See also image 29 page 29
- 9** Place the brush holder with the new brush back into the housing
-See also image 30 page 30
- ➔ Repeat step **6 7 8 9** for each brush that is replaced
- 10** Retighten the countersunk screws securing the springs, then slide the housing back to its original position
-See also image 31 page 30
- 11** Hold the cleaning head with the brushes facing away from you and turn the adjusting ring clockwise to the end
-See also image 32 page 30
- 12** Retighten the locking screw and side locking screw
-See also image 33 page 31

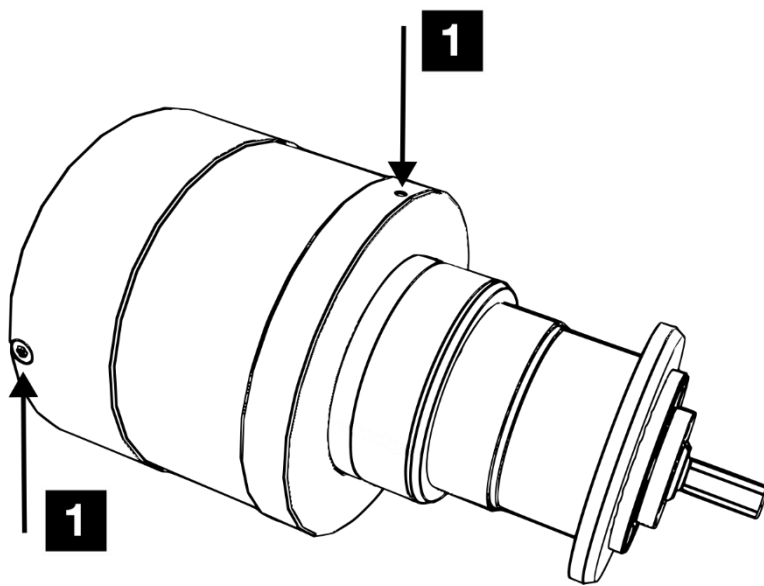


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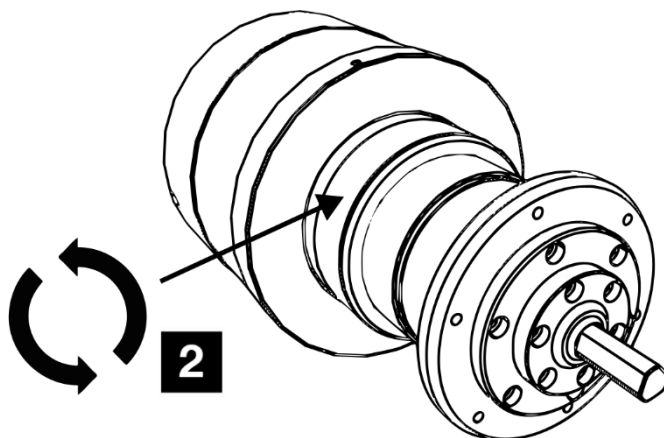


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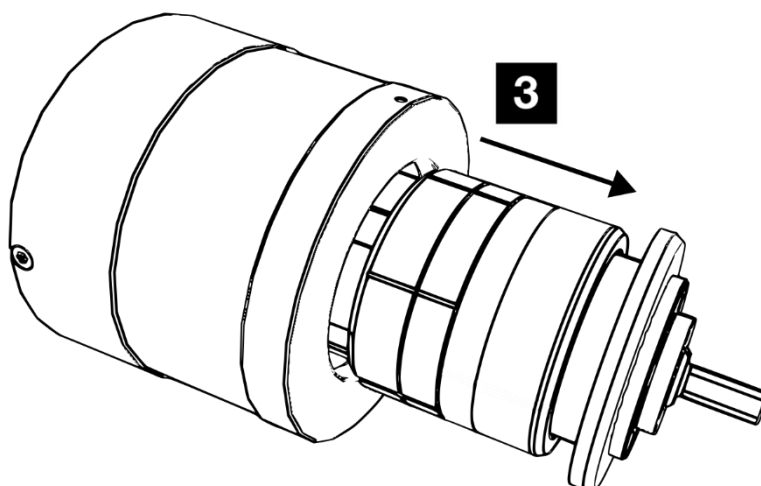


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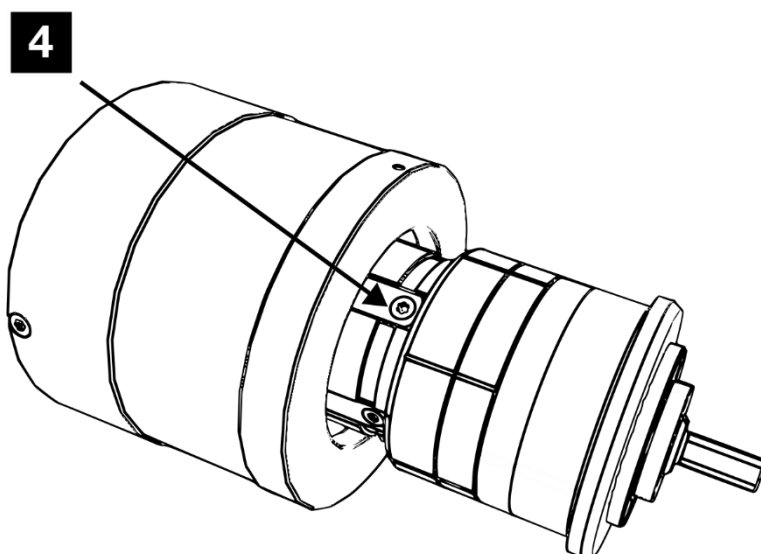


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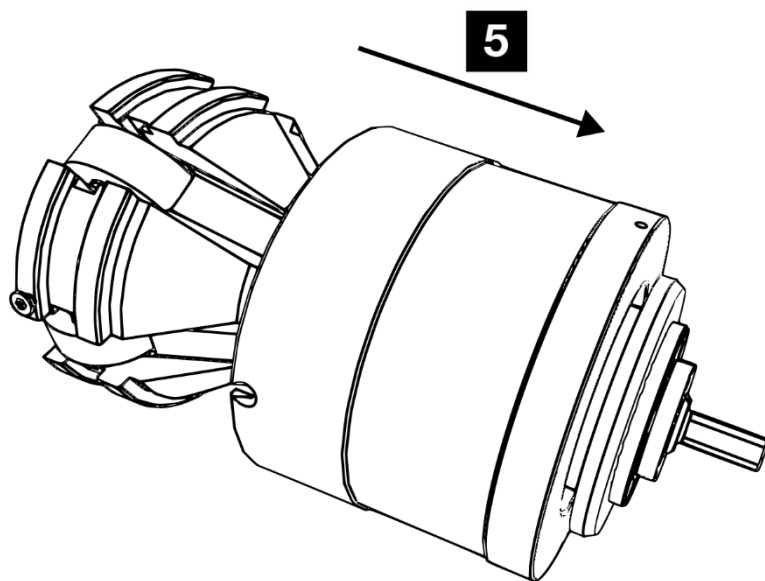


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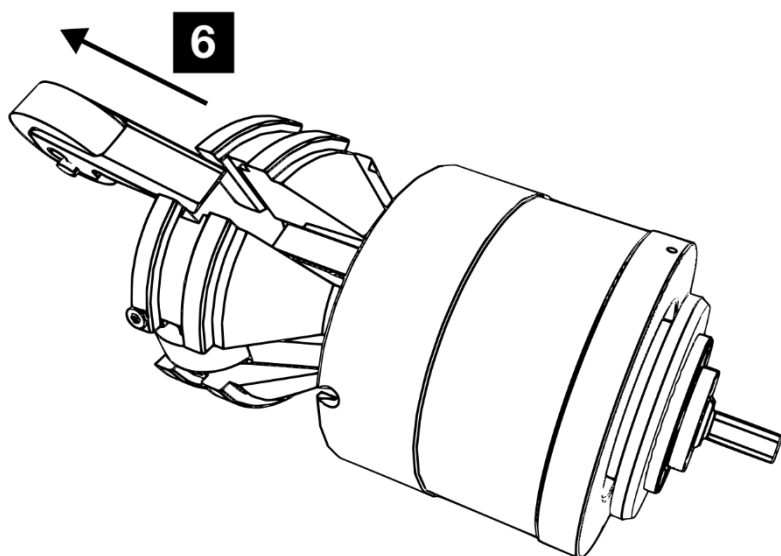


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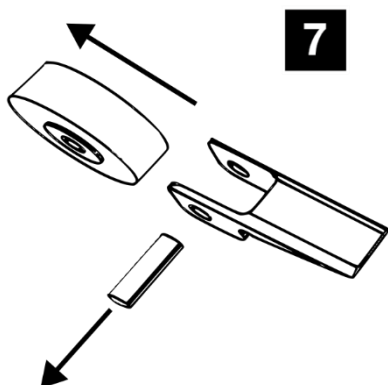


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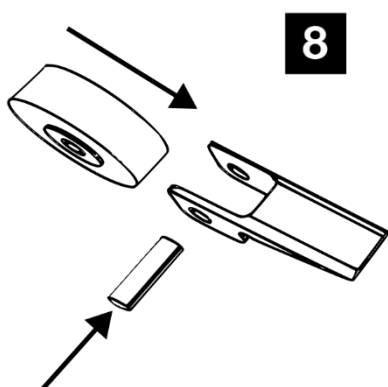


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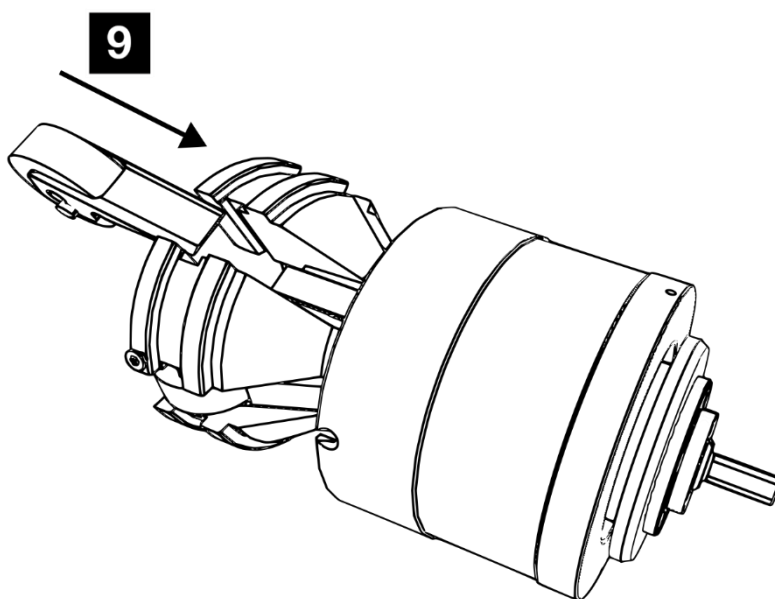


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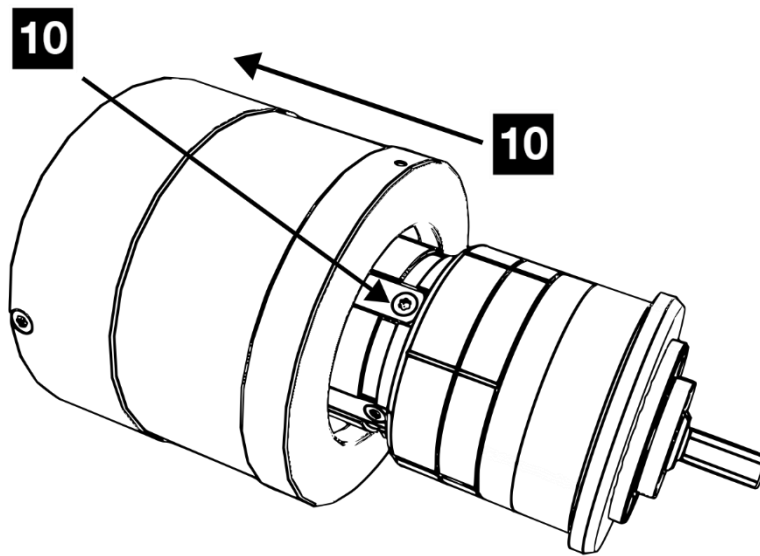


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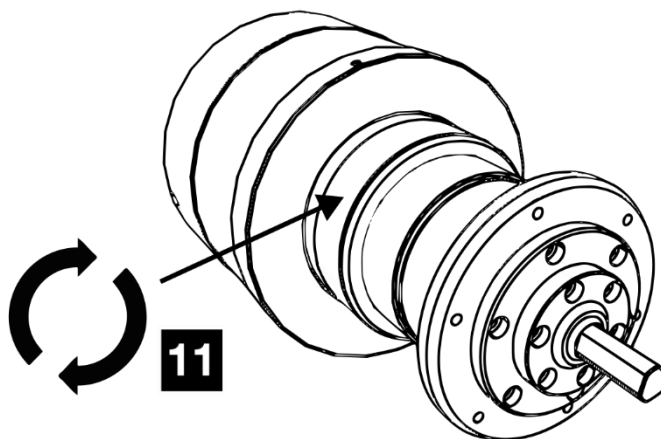
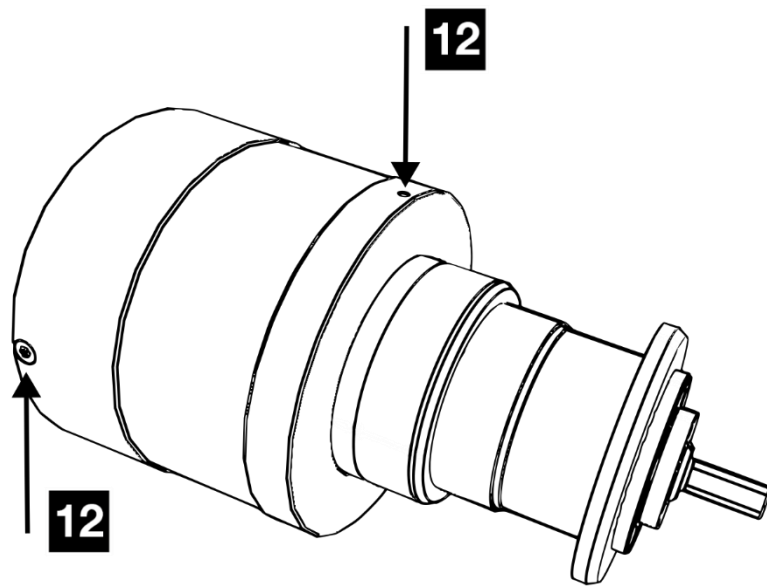


image 32

*image 33***CAUTION**

BEFORE USE, CHECK THAT ALL FASTENERS ARE PROPERLY TIGHTENED AND FITTED



7. Transport and storage

7.1. General instructions for transport and storage

7.1.1. Transport

CAUTION

TRANSPORT THE EXTERNAL THREAD CLEANER WITH CARE

DO NOT DROP THE DEVICE AND AVOID BUMPING INTO OTHER OBJECTS

7.1.2. Storage

CAUTION

STORAGE IN A DRY PLACE AND UNDER NORMAL AMBIENT TEMPERATURES

8. Malfunctions

8.1. General instructions for malfunctions

CAUTION

ONLY PERFORM MAINTENANCE IF THE ARG EXTERNAL THREAD CLEANER IS NOT MOUNTED ON OR IN A DRIVE DEVICE



8.2. Troubleshooting

Try to find a solution to the problem using the table below.

-See also table 1 page 33

Please contact the local **BoltClean** representative if you are unable to find a solution.

Issue/Status	Cause	Solution
Adjusting ring comes loose	Side lock screw not sufficiently tightened	Tighten side lock screw - See also § 3.2.1 page 7 -See also ④ image 1 page 7
Adjusting ring is stuck	Side lock screw not sufficiently loosened	Loosen side lock screw - See also § 3.2.1 page 7 -See also ④ image 1 page 7
Press brushes too low	Adjustment is too wide	Tighten the cleaning head - See also § 4.2.2 page 15
Press brushes too high	Adjustment is too tight	Adjust the cleaning head more widely - See also § 4.2.2 page 15
Poor or uneven cleaning	Worn brushes	Replace the cleaning brushes - See also § 6.3 page 25

table 1

CAUTION

ALWAYS CONTACT BOLTCLEAN IF

- MALFUNCTIONS CANNOT BE EASILY REMEDIED
- FAILURES NOT LISTED IN THE TABLE ABOVE OCCUR



9. Decommissioning

9.1. Temporary decommissioning

If the device does not function correctly, it is recommended to temporarily take it out of use to prevent unintended use and/or deployment of the device. This so that it can be repaired or sent for repair. Temporarily taking it out of use can be done, for example, by labeling the device and/or applying other clear markings so that it is recognizable to everyone that the device cannot and may not be used.

9.2. Decommissioning permanently

When the device has reached the end of its service life, it must be taken out of service permanently to avoid dangerous situations. The device must be completely disabled so that it can no longer be deployed and/or used.

- See also § 10 page 34

10. End of life

If the device has reached the end of its lifespan, it must be dismantled and disposed of in accordance with local (environmental) legislation.

INFORMATION

- CHECK DISASSEMBLED PARTS FOR POSSIBLE REUSABILITY
- DISPOSE OF THE (REUSABLE) MATERIALS IN ACCORDANCE WITH LOCAL (ENVIRONMENTAL) LEGISLATION



Document history

Date	Version	Remark
21.07.2025	002	revision
26.11.2023	001	1st publication

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