

User Manual

Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso





Target group

This tool may only be used by skilled persons in accordance with EN IEC 82079-1:2012.

Intended use

Geberit Mapress pressing collars and adapter jaws are intended exclusively for professional pressing of Geberit Mapress system pipes with Geberit Mapress pressfittings. Geberit recommends using Geberit Mapress pressing collars and adapter jaws in the following pressing tools only:

- Geberit pressing tools that are compatible with Geberit Mapress pressing collars and adapter jaws (indicated by compatibility marks  or )
- Pressing tools from other manufacturers approved by Geberit for processing Geberit Mapress

Other pressing tools have not been tested by Geberit in terms of their suitability for the Geberit Mapress pressing system.

WARNING: Risk of injury when used in pressing tools with excessive press capacity

Geberit Mapress pressing collars and adapter jaws are designed to be compatible with the press capacities of Geberit pressing tools and may break if used in pressing tools with a higher press capacity.

In **REMS Power-Press E**, **REMS Power-Press 2000**, **ROLLER'S Uni-Press E** and **ROLLER'S Uni-Press 2000** electromechanical drive machines, insufficient maintenance or incorrect handling can result in increased wear to the installed safety slipping clutch and hence to a considerable increase in the press capacity of these drive machines. **Geberit Mapress pressing collars and adapter jaws are therefore not approved for the drive machines named above.**

Basic safety notes

WARNING: Risk of injury caused by flying fragments if used incorrectly or if worn or damaged pressing collars and adapter jaws are used

- Only use the pressing collars and adapter jaws if they are in perfect working order
- Examine the pressing collars and adapter jaws regularly before and after each use for defects, particularly for incipient cracks in the pressing contour and the retaining bracket, and also for other damage. If there are incipient cracks, take the entire pressing collar and adapter jaw out of service immediately and do not use it again
- Do not use pressing collars and adapter jaws again after they have been used incorrectly or in a way that does not comply with their intended use. Instead, hand them over to an authorised repair shop for testing
- Adhere strictly to maintenance regulations and maintenance intervals for the pressing collars, adapter jaws and pressing tools
- Wear suitable protective equipment (protective goggles etc.)
- Only have repair work carried out on the pressing collars and adapter jaws by Geberit or an authorised repair shop
- Follow the country-specific safety regulations
- Read all safety notes and instructions. Failure to observe the safety notes and instructions can lead to electric shock, fire and/or serious injuries. Store all safety notes and instructions for the future
- Read through and observe the safety notes enclosed with the pressing tool before commissioning the pressing collars and adapter jaws

NOTE

Pressing collars and adapter jaws are wearing parts. Frequent pressing will cause the material to become worn; advanced stages of wear will be indicated by incipient cracks. Pressing collars and adapter jaws that display this kind of wear or are damaged in any other way may break, particularly if they are used incorrectly (e.g. pressing a fitting that is too large, tilting, foreign bodies on the fitting) or in a way that does not comply with their intended use.

- Do not continue to use the pressing collars or adapter jaws if they are worn
- Take pressing collars and adapter jaws displaying incipient cracks out of service immediately and do not continue to use them
- Use the transport case for transport and storage, and store the pressing collars and adapter jaws in a dry room
- Observe the safety notes with respect to the cleaning and corrosion-protection agents used

Explanation of symbols

Table 1: Symbols in the instructions









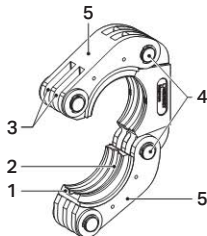
Symbol	Meaning
WARNING 	Refers to a potentially dangerous situation that may cause serious injury or death
CAUTION 	Refers to a potentially dangerous situation that may cause slight or moderate injury or material damage
	Refers to important information
	Indicates that a visual check must be carried out
	Refers to correct usage

Table 2: Symbols on the product

Symbol	Meaning
	Refers to a potentially dangerous situation caused by flying fragments that may cause serious injury or death
	Read the safety notes and operating instructions before commissioning the device
	Service sticker: Indicates the time of the next mandatory maintenance

EN Product description

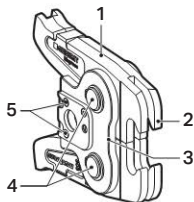
Structure



Geberit Mapress pressing collar

- 1 Sliding segments
- 2 Pressing contour
- 3 Grooves
- 4 Joints
- 5 Segment shell

The appearance can vary depending on the size and design.



Geberit adapter jaw ZB 203

- 1 Jaw lever
- 2 Claw
- 3 Flange
- 4 Jaw joints
- 5 Electrical contacts (only with adapter jaw ZB 203)




Operation

Establishing the pressing operation with pressing collar and adapter jaw

The pressing operation with pressing collar and adapter jaw consists of the following steps:

- Inserting the adapter jaw into the pressing tool
- Fitting the pressing collar around the pressfitting
- Hooking the adapter jaw into the pressing collar
- Carrying out the pressing operation

The adapter jaw must fit the pressing collar used:

		
ø 35, 42, 54 mm	Cu + CSt	2 ZB 203
ø 66.7 mm	Cu	
ø 66.7 mm	CSt	<input checked="" type="checkbox"/>
ø 35, 42, 54, 66.7 mm	Cu + CSt	3 ZB 303

EN Inserting the adapter jaw into the pressing tool



WARNING

Risk of injury caused by flying fragments if used incorrectly or if worn or damaged adapter jaws are used

- ▶ Only use the adapter jaw if it is in perfect working order (see the basic safety notes)
- ▶ Make sure that the adapter jaw used fits the pressing collar
- ▶ If the adapter jaw has been used incorrectly, or in a way that does not comply with its intended use, do not continue to use it and have it inspected by an authorised repair shop
- ▶ Wear suitable protective equipment (protective goggles etc.)



NOTE

Adapter jaws are wearing parts. Frequent pressing will cause the material to become worn; advanced stages of wear will be indicated by incipient cracks. Adapter jaws that display this kind of wear or are damaged in any other way may break, particularly if they are used incorrectly or in a way that does not comply with their intended use.



The procedure for inserting the adapter jaw depends on the type of pressing tool and is described in the operating instructions for the pressing tool.



The PWH 40 pressing tool is not suitable for pressing with the ZB 203 adapter jaw, as the press capacity is insufficient.

Fitting the pressing collar around the pressfitting



WARNING

Risk of injury caused by flying fragments if used incorrectly or if worn or damaged pressing collars are used

- ▶ Only use the pressing collar if it is in perfect working order (see the basic safety notes)
- ▶ Ensure the diameter of the pressfitting matches the diameter of the pressing collar
- ▶ Do not tilt the pressing collar on the pressfitting
- ▶ Clean away any dirt, chips or the like between the pressing collar and the pressfitting
- ▶ If the pressing collar has been used incorrectly, or in a way that does not comply with its intended use, do not continue to use it and have it inspected by an authorised repair shop
- ▶ Wear suitable protective equipment (protective goggles etc.)



NOTE

Pressing collars are wearing parts. Frequent pressing will cause the material to become worn; advanced stages of wear will be indicated by incipient cracks. Pressing collars that display this kind of wear or are damaged in any other way may break, particularly if they are used incorrectly (e.g. pressing a fitting that is too large, tilting, foreign bodies on the fitting) or in a way that does not comply with their intended use.

**CAUTION****Danger of crushing by moving parts**

- ▶ Do not place any part of your body or other objects in between the pressing collars
- ▶ Do not hold the pressing collar with your hands during the pressing sequence

**CAUTION****Leaking connection due to failed pressing sequence**

- ▶ Make sure that the pressing collar is completely closed after the pressing sequence
- ▶ Have any pressing collars that have not been closed completely, as well as the pressing tool, inspected for damage by an authorised repair shop
- ▶ Replace any connections that have not been pressed correctly and do not attempt corrective pressing
- ▶ If there are any burrs on the pressfitting after the pressing sequence, have the pressing collar inspected by an authorised repair shop

**CAUTION****Damage to the pipeline caused by a defective pressing collar that can no longer be removed**

- ▶ Make sure that the sliding segments can move and give
- ▶ Make sure that the sliding segments and segment shells can be aligned with one another

-
- 1** To open the pressing collar, pull the two segment shells apart (see cover page in the back, Figure A, no. 1).

 - 2** Fit the pressing collar around the pressfitting and make sure that the pressing contour of the pressing collar is correctly positioned on the fitting bead (see cover page in the back, Figure A, no. 2 and 3).

 - 3** Turn the closed pressing collar to the pressing position.

EN Hooking the adapter jaw into the pressing collar

Prerequisites

The pressing collar is fitted around the pressfitting.



CAUTION

Damage to the pressing collar if adapter jaw is used incorrectly

- ▶ Make sure that the claws of the adapter jaw always completely embrace the pins of the pressing collar

- 1** To open the adapter jaw, press the two jaw levers together (see cover page in the back, Figure B, no. 1).
- 2** Guide the claws of the adapter jaw into the grooves of the pressing collar and hook them into the pins. Make sure that the claws completely embrace the pins (see cover page in the back, Figure B, no. 2 and 3).
- 3** Release both jaw levers.

Carrying out the pressing operation



CAUTION

Danger of crushing by moving parts

- ▶ Do not place any part of your body or other objects in between the pressing collars
- ▶ Do not hold the pressing collar with your hands during the pressing sequence



CAUTION

Leaking connection due to failed pressing sequence

- ▶ After the pressing sequence has been completed, make sure that the pressing collar is completely closed (see cover page in the back, Figure C)
- ▶ Have any pressing collars that have not been closed completely, as well as the pressing tool, inspected for damage by an authorised repair shop
- ▶ Replace any connections that have not been pressed correctly and do not attempt corrective pressing
- ▶ If there are any burrs on the pressfitting after the pressing sequence, have the pressing collar inspected by an authorised repair shop

- 1** Press the pressfitting; see operating instructions for the pressing tool.
- 2** Open the adapter jaw and remove it from the pressing collar.
- 3** Open the pressing collar and remove it.

Corrective pressing



NOTE

If a press connection has not been completely pressed, it must be pressed again. Depending on the state of the preliminary pressing, there may be considerable idle stroke before the pressing tool engages. Corrective pressing is carried out according to the description of a normal pressing operation provided above.



CAUTION

Leaking connection due to failed pressing sequence

- ▶ Do not attempt corrective pressing on pressed fittings with an incorrectly positioned pressing collar, as this could damage the fittings
- ▶ Replace any connections that have not been pressed correctly

Maintenance regulations



NOTE

For safety reasons, it is absolutely essential to observe the following maintenance intervals and perform the maintenance work described. The same applies to the mandatory maintenance regulations for the pressing tools. A service sticker on the pressing collar and the adapter jaw indicates the time of the next mandatory maintenance. The pressing collar and adapter jaw must always be taken for maintenance together with the pressing tool in its transport case. Repair work may only be carried out on the pressing collars and adapter jaws by Geberit or an authorised repair shop.

The addresses of authorised repair shops can be requested from the Geberit sales companies or found on www.geberit.com.

Interval	Maintenance work
Regularly (before use, at the start of the working day)	<p>Pressing collar and adapter jaw:</p> <ul style="list-style-type: none"> • Examine the pressing collar and adapter jaw for externally visible defects; in particular, damage, incipient cracks and other signs of wear. If defects are present, replace the pressing collar and adapter jaw or have the defects repaired by an authorised repair shop • Spray the entire pressing collar and adapter jaw with BRUNOX® Turbo-Spray® or equivalent <p>Pressing collar:</p> <ul style="list-style-type: none"> • Remove deposits in the pressing contour • Clean the pressing contour with a cloth soaked in solvent (e.g. methylated spirits) • Spray the pressing contour and joints with BRUNOX® Turbo-Spray® or equivalent <p>Adapter jaw:</p> <ul style="list-style-type: none"> • Examine whether the jaw levers can move easily. If necessary, spray them with BRUNOX® Turbo-Spray® or equivalent
Annually (after 3000 pressing operations at the latest)	<ul style="list-style-type: none"> • Have an authorised repair shop examine the state of wear of the pressing collar and adapter jaw

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