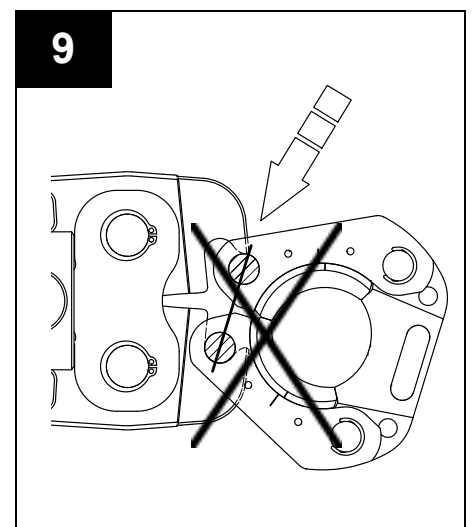
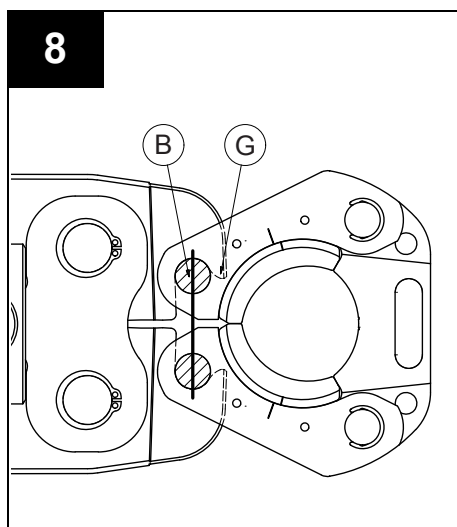
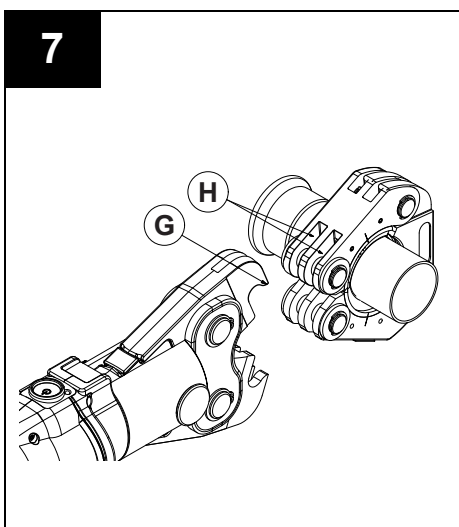
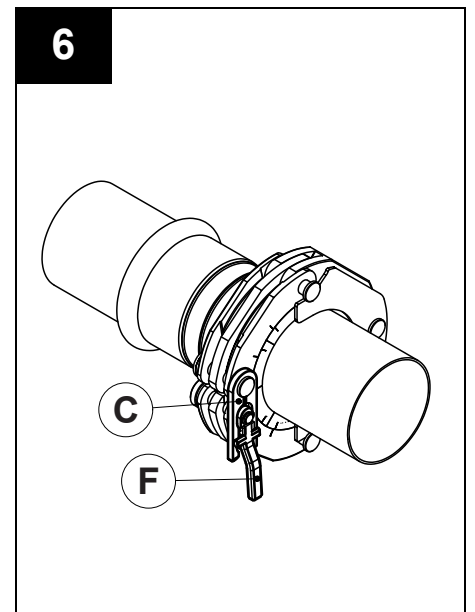
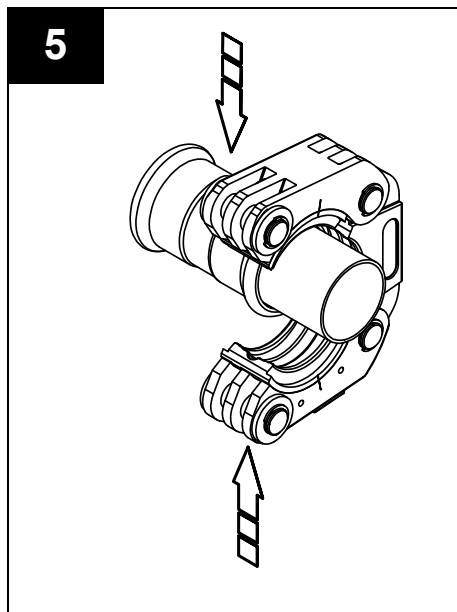
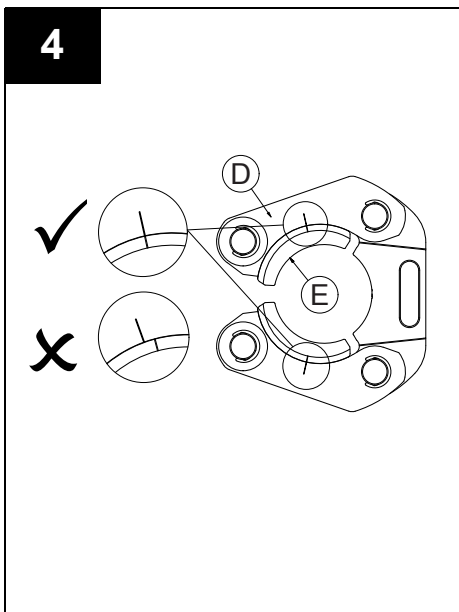
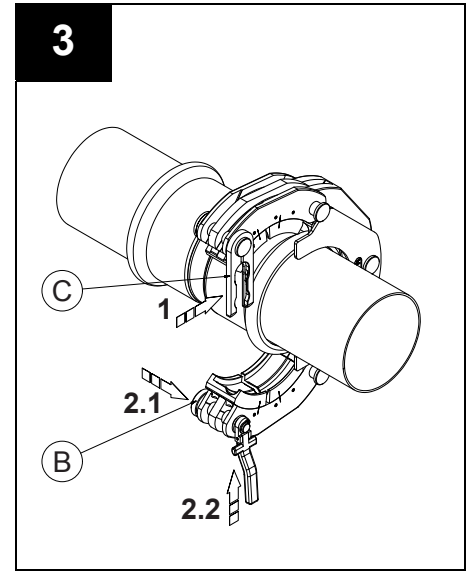
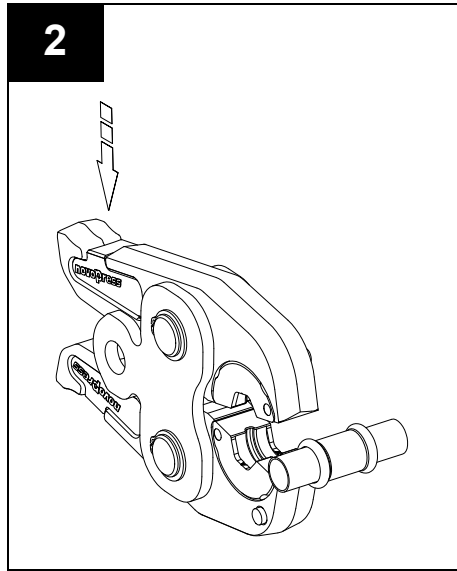
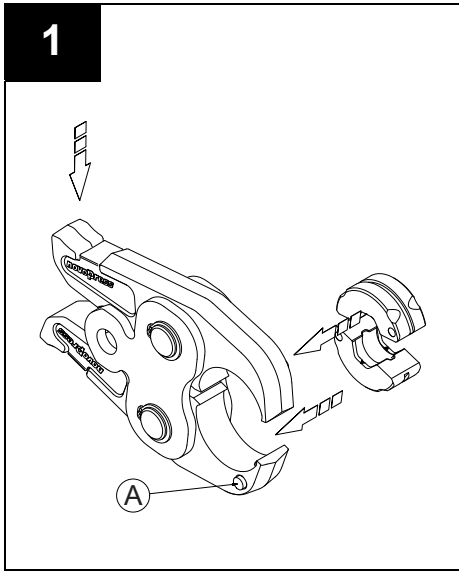


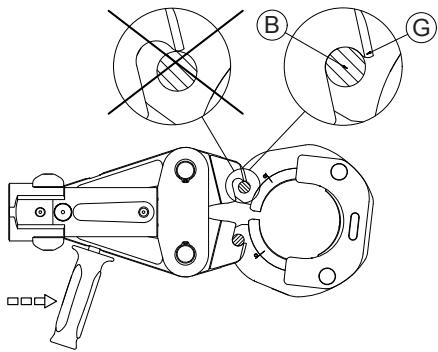
Novopress

Jaws, Adapters & Slings

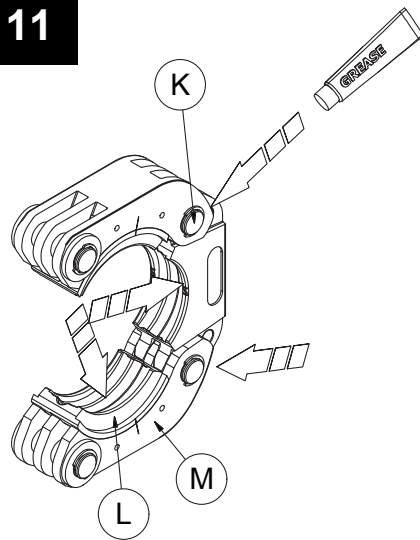
Operating Manual



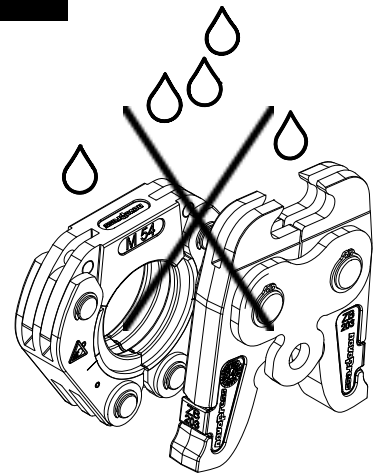
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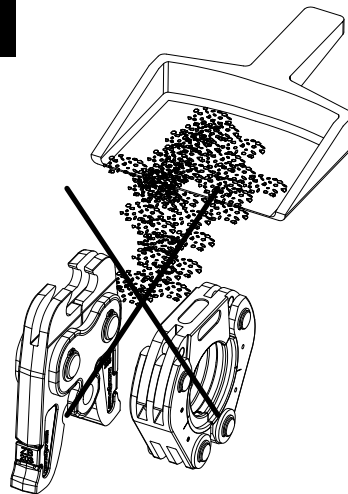
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EN English

Translation of the original Operating Manual

Definition of terms

These Operating Instructions use the term "press tools" to encompass all interchangeable jaws, press inserts and segments, adaptor jaws and press collars.

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1 Basic safety information



Caution!

Read and follow all safety information and instructions!

Failure to comply with the safety information and instructions may result in electric shock, fire and/or serious injuries.

Therefore:

- Keep all safety information and instructions for future use and only pass the devices on to others together with the instructions.

The following pictograms are used to highlight sections of text. Please follow these instructions and act with particular caution in these cases. Pass all health and safety instructions on to other users and technicians.



WARNING!

This information indicates a potentially dangerous situation that could result in serious injury or death.



CAUTION!

This information indicates a potentially dangerous situation that could result in minor injuries and/or material damage.



Information!

This information is directly linked to the description of a function or an operating sequence.

Please read this Operating Manual carefully.

The safety instructions must be observed!

Compliance with local safety regulations is essential!



Warning!

Incorrect or improper use or the use of worn or damaged press tools carries a risk of injury.

Therefore:

- Press tools may only be used by trained personnel.
- Compliance with the specified service work and service intervals is mandatory.
- Check the press tools for cracks and other signs of wear before each use.
- Discard all press tools with material cracks or other signs of wear immediately and do not use them any longer.
- Only use press tools that are in perfect technical condition.



Caution!

Unskilled use may lead to damaged or malfunctioning press tools.

- Separate worn press tools immediately and do not use them any longer.
- Use carrying cases for transportation and storage and keep press tools in a dry room.
- Have damage checked immediately by an authorised workshop.
- Comply with the safety instructions regarding the cleaning and anti-corrosion agents used.

2 Proper use

These press tools are intended exclusively for use in press devices manufactured by Novopress or approved by Novopress, in agreement with the system supplier. If you are uncertain whether your press device is suitable for the press tools described here, please contact the system supplier.

The device and the press tools are to be employed solely for the pressing of pipes and fittings for which these press tools have been designed.

Any use beyond or different to that described here shall be regarded as improper use.

Proper use also includes the observance of the Operating Instructions, adherence to the inspection and maintenance conditions (see section 7), compliance with pressing cycles and with the latest versions of all the relevant safety regulations.

Novopress is not liable for damage resulting from

- the use of unsuitable press devices, or
- applications that do not conform to proper use.

3 Classification of press devices

Device type 1	Device type 2	Device type 3
AFP101	EFP1 / EFP2	EFP3
ACO102	ECO1 / ACO1	AFP3
	ECO201 / ACO201	ECO3
	EFP201 / AFP201	ACO3
	EFP201plus	ECO301
	EFP202 / AFP202	
	ECO202 / ACO202	
	HFP1 / HFP2	
	MFP2	
	PFP2	
	ACO202XL	

4 Interchangeable jaw



Caution!

Risk of injury from inadvertent pressing of the start button when installing the segments in the interchangeable jaw.

Therefore:

Only install segments in the interchangeable jaw when the interchangeable jaw is not mounted onto the press device.

Installing the segments in the interchangeable jaw (Fig. 1)

Push the segments into the interchangeable jaw as shown (Fig. 1) until they engage.

Removing the segments from the interchangeable jaw

Press the button (A/Fig. 1) while simultaneously pushing out the segment.

5 Initial use



Note!

When inserting the interchangeable jaw/adaptor jaw in the press device compliance with the Operating Manual of the press device is mandatory.

Insert the interchangeable jaw/adaptor jaw in the press device.

6 Performing the pressing operation



Warning

Risk of injury from ejected fragments as the result of material fatigue.

Press tools are wearing parts. Frequent pressing will result in material fatigue. Press tools worn or damaged in any other way as the result of material fatigue can break even if used properly; there is then a risk of injury from ejected fragments. The risk of breakage is further increased in the event of improper use.

6.1 Interchangeable jaw



Caution!

Dirt, swarf, etc. in the pressing contour can lead to faulty pressing.

Make sure that there is no dirt, swarf, etc. in the pressing contour of the segments.

1. Check whether the nominal width of the press fitting corresponds to the nominal width of the segments.
2. Open the press jaw (Fig. 2).



Note!

Always follow the system supplier's instructions when placing the interchangeable jaw onto the press fitting.

3. Push the interchangeable jaw onto the press fitting and release the jaw lever.



Caution!

Danger of crushing during pressing operation!

There is a risk that fingers and hands will be crushed.

- Keep all body parts and foreign objects away from the interchangeable jaws when initiating the pressing operation.
- Do not hold the jaw levers with your hands during the pressing operation.



Caution!

Loose connection through incorrect pressing

- Make sure that the interchangeable jaw is fully closed when the pressing operation is complete.
- Have incompletely closed interchangeable jaws and the press device inspected for damage by an authorised workshop.

4. Perform the pressing operation.
5. Open the interchangeable jaw and release it from the press fitting.

6.2 Press collars



Note for press collars with nominal width M108.0!

The nominal width M108.0 is pressed using 2 different adaptor jaws. Please refer to the table below for the corresponding adaptor jaw.

The nominal width M108.0 is first pre-pressed using the adaptor jaw (1.). The press collar remains on the press fitting in this pre-pressed condition. The catch holds the press collar in its position.

Pressing of the press fitting is completed using the adaptor jaw (2.).

Approved adaptor jaw and press collar combinations

The latest tables can be found at www.novopress.de

✓	= yes
—	= no

New press collar (square) ,

Contour	Press collar	Adaptor jaw Device type 2			Adaptor jaw ACO202XL		Adaptor jaw Device type 3					
		201	202	203	221	222	302	303	321	322	323	324
M-	M42, M54, M65 Copper only (Australia), M66,7 Mapress	✓	—	✓	—	—	—	✓	—	—	—	—
	M64, M66.7 (X- Press), M67	—	—	—	✓	—	—	—	—	—	✓	—
	M76.1 – M88.9	—	—	—	✓	—	—	—	—	—	✓	—
	M108.0	—	—	—	✓(1.)	✓(2.)	—	—	—	—	✓(1.)	✓(2.)
HP-	HP28, HP35	✓	—	✓	—	—	—	✓	—	—	—	—
	HP42, HP54	—	—	✓	—	—	—	✓	—	—	—	—
V-	V42, V54	✓	—	✓	—	—	—	✓	—	—	—	—
	V65, V80, V100 (Australia)	✓	—	✓	—	—	—	✓	—	—	—	—
TH-	TH40, TH50, TH63	✓	—	✓	—	—	—	✓	—	—	—	—
U-	U40, U50, U63	✓	—	✓	—	—	—	✓	—	—	—	—
	U75, U90, U110	—	✓	—	—	—	—	—	—	—	—	—

Old press collar (round)

Contour	Press collar	Adaptor jaw Device type 2			Adaptor jaw ACO202XL		Adaptor jaw Device type 3					
		201	202	203	221	222	302	303	321	322	323	324
M-	M42, M54,	✓	—	✓	—	—	✓	✓	—	—	—	—
	M64, M67	—	—	—	—	—	✓	—	—	—	—	—
	M76.1 – M88.9	—	—	—	✓	—	—	—	✓	—	✓	—
	M108.0	—	—	—	✓(1.)	✓(2.)	—	—	✓(1.)	✓(2.)	✓(1.)	✓(2.)
HP-	HP35	✓	—	✓	—	—	✓	✓	—	—	—	—
	HP42, HP54	—	—	—	—	—	✓	—	—	—	—	—
V-	V42, V54	✓	—	✓	—	—	✓	✓	—	—	—	—
TH-	TH40, TH50, TH63	✓	—	✓	—	—	✓	✓	—	—	—	—
U-	U40, U50, U63	✓	—	✓	—	—	—	✓	—	—	—	—

1. Check whether the nominal width of the press fitting matches the nominal width of the press collar.
2. **Press collar with catch (Fig. 3):**
Press the pin (B/Fig. 3) as shown [2.1/Fig. 3], while simultaneously opening the press collar by pulling apart at the catch (C/Fig. 3).

Press collar without catch (Fig. 5):

Pull the press collar apart.

	Note for press collars with movable sliding segments (Fig. 4) To ensure that the press collars function correctly, the sliding segments must be free to move. The sliding segments are always pressed back automatically into the correct starting position by springs. <i>Ensure that the marking lines on the sliding segments (E/Fig. 4) and the shells (D/Fig. 4) are in alignment in the starting position.</i> <i>If this is not the case, have the press collars repaired at an authorised workshop.</i>
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3. For moving sliding segments: Check the freedom of movement/position of the sliding segments.

	Note! <i>Always follow the system supplier's instructions when placing the press collar onto the press fitting.</i>
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4. Place the press collar over the press fitting (Figs. 3+5).
5. **Press collar with catch (Fig. 3):**
Turn [1/Fig. 3] the catch (C/Fig. 3) towards the pin (B/Fig. 3).
Press the pin (B/Fig. 3) as shown [2.1/Fig. 3], while simultaneously pushing the pin into the catch (C/Fig. 3) until it engages [2.2/Fig. 3].
The pin (B/Fig. 3) must be pushed in as far as possible. Turn the press collar to the pressing position.

	Note! <i>For nominal width M108 (Fig. 6):</i> <i>Ensure that the lever (F/Fig. 6) is in alignment with the catch (C/Fig. 6).</i> <i>Otherwise the catch is not correctly engaged.</i>
---	--

Press collar without catch (Fig. 5):

Close the press collar and then turn it to the pressing position.

6. Open the adaptor jaw.


Warning!

Risk of injury from ejected fragments if the adaptor jaw is incorrectly positioned on the press collar (Fig. 9).

The claws (G/Fig. 8) of the adaptor jaw must grip the pins (B/Fig. 8) of the press collar (Fig. 8).

Otherwise, there is a risk of breakage of the adaptor jaw and the press collar.

7. Position the adaptor jaw on the press collar as follows (Fig. 7):
Push the claws (G/Fig. 7) of the adaptor jaw as far as possible into the grooves (H/Fig. 7) of the press collar.
Close the adaptor jaw.


Warning!

Risk of injury from ejected fragments if the adaptor jaw ZB221 + ZB222 is not closed (Fig. 10)

Press the grip in direction of the arrow during pressing operation and not in the opposite directions, as otherwise the adaptor jaw will open and the claws (G/Fig. 10) of the adaptor jaw can no longer grip the pins (B/Fig. 10) properly.

Non-compliance will result in breakage of the adaptor jaw and the press collar.


Caution!

Loose connection through incorrect pressing

During pressing operation, make sure that the press collar closes completely so that there is no gap between the segments.

8. Perform the pressing operation
9. Open the adaptor jaw and release it from the press collar.
10. Open the press collar and remove it.


Note!

For nominal width M108.0

Pressing of nominal width M108.0 must be completed using the adaptor jaw ZB 222, 322 or 324.

11. Insert the corresponding adaptor jaw in the press device.
12. Repeat points 6. to 9.
13. Open the press collar by pressing the lever (F/Fig. 6).

7 Cleaning, maintenance and repair

See Figures 11 to 14.

After every 200 pressings:

- Spray press collar joints (K) with graphite oil.
- Spray graphite oil between moving segments (L) and curved sections (M).

Service addresses

You can find the addresses of authorised specialist workshops at www.novopress.de.

Service intervals

Service and repair work may only be carried out by Novopress or the authorised NOVOPRESS specialist workshops.



Information!

The next service deadline is indicated on the press tools.
The service must be performed in accordance with the servicing sticker.

8 Warranty and guarantee

See device manual or at www.novopress.de



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