

Instructions for Use

Viega MegaPress Z3 Actuator



For use with MegaPress 2½" to 4" press rings

Model
4898.5XL

Year built (from)
01/2020

viega

Table of contents

1	Instructions for Use	3
	1.1 Disclaimer	3
	1.2 Symbols Used	3
	1.3 Audience	3
	1.4 Terms	4
2	Product Information	5
	2.1 Intended Use	5
	2.2 Product Description	6
	2.2.1 Overview	6
	2.2.2 Technical Data	7
3	Handling	8
	3.1 Transport and Storage	8
	3.2 Preparing the Press Tool	8
	3.3 Pressing	9
	3.4 Interrupting the Press Cycle	11
	3.5 Troubleshooting	12
	3.6 Care and Maintenance	13
	3.6.1 Cleaning	13
	3.7 Disposal	13

1 Instructions for Use

1.1 Disclaimer

NOTICE!

Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. Installation by non-professionals may void Viega LLC's warranty.

INFO!

This document is subject to updates. For the most current Viega technical literature please visit www.viega.us.

1.2 Symbols Used

Within this document, the following symbols may be used:

DANGER!

This symbol warns of possible life-threatening injury.

WARNING!

This symbol warns of possible serious injury

CAUTION!

This symbol warns of possible injury.

NOTICE!

This symbol warns of possible damage to property.

INFO!

Notes give you additional helpful tips.

1.3 Audience

The information in this instruction manual is for the following groups:

- Heating and plumbing professionals and trained personnel.

1.4 Terms

The following terms are used in this document:

Term	Meaning
Press tool	Appropriate press tool, such as Milwaukee M18 Force Logic Long Throw
Press rings	Viega 2½" to 4" MegaPress press rings
Actuator	Viega Z3 actuator
Press system: Combination of press tool, press rings, and Z3 actuator	Viega press tool system

2 Product Information

2.1 Intended Use

The Viega Z3 actuator is designed to work with an appropriate press tool (see below) with 32 kN press force and 80 mm press stroke. The press tool, the Viega MegaPress 2½" to 4" press rings system, and the Viega Z3 actuator, constitutes a full-featured press tool system. With the press tool system, it is possible to press MegaPress 2½" to 4" fittings.

Appropriate system press tools:

- Milwaukee:

M18™ Force Logic™ Long Throw (Milwaukee Cat. No. 2773-20L)

Suitable system press rings:

- Press rings for MegaPress 2½" to 4"

INFO!

To avoid confusion between Viega press rings and other Viega pressing systems, the actuator and the MegaPress 2½" to 4" press rings are marked "Z3".

2.2 Product Description

2.2.1 Overview

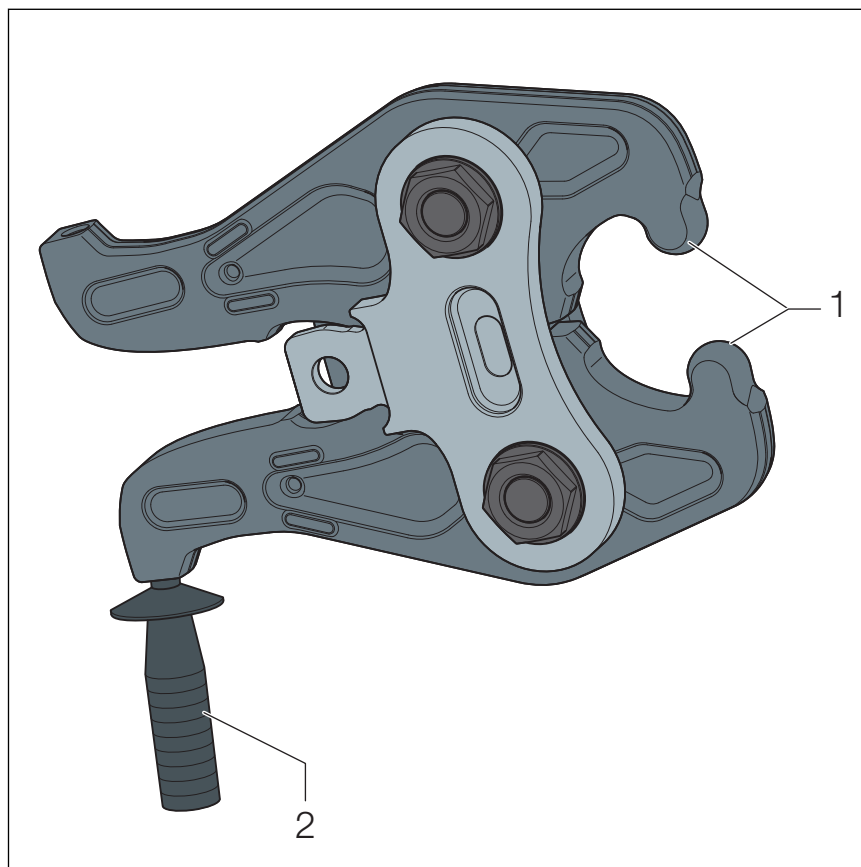


Fig. 1: Overview

- 1 Z3 ball heads
- 2 Handle (detachable)

System Scope

The MegaPress 2½" to 4" tool system consists of the following components:

Tool Sets

Viega Z3 actuator and 2½ inch press ring in case

Viega 3+4 inch MegaPress press ring in case

Single Components

Viega Z3 actuator

Viega 2½ inch MegaPress press ring

Viega 3 inch MegaPress press ring

Viega 4 inch MegaPress press ring

2.2.2 Technical Data

The product has the following technical data (approximate values):

Item	Value
Drive [external]	See “Appropriate system press tool” under ↗ “Appropriate system press tools:” on page 5
Operating temperature	Based on the press tool used
Dimensions [L x W x H]	Approximately 10 x 8 x 2 inch
Weight of Viega Z3 actuator	Approximately 13 lbs.
Weight of 2½ inch / 73 mm press ring	Approximately 6 lbs.
Weight of 3 inch / 88.9 mm press ring	Approximately 7 lbs.
Weight of 4 inch / 114.3 mm press ring	Approximately 10 lbs.

3 Handling

Warning and Mandatory Signs

Note the warning and mandatory signs on the Viega Z3 actuator:



General warning sign

Comply with all instructions marked with this symbol to avoid injuries or danger to life.

3.1 Transport and Storage

Protect the Viega Z3 actuator from the following external influences:

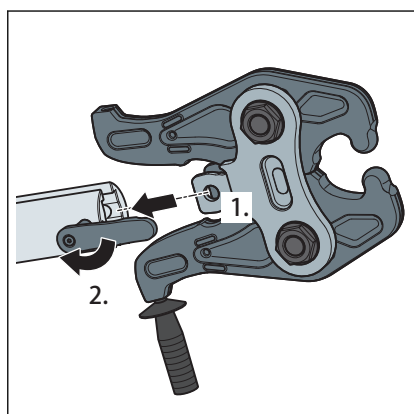
- Shocks
- Wetness and moisture
- Dust and dirt
- Frost and extreme heat

Clean the Viega Z3 actuator and the press rings if there will be long idle times or for storage. See Section [Chapter 3.6.1 "Cleaning"](#) on page 13.

Store the Viega Z3 actuator and press rings only in the original case.

3.2 Preparing the Press Tool

Placing the Viega Z3 Actuator On the Press Tool



- On the press tool, rotate the retaining pin handle 180 degrees and pull it out to open the slot for the actuator.
- Insert the Viega Z3 actuator into the slot on the press tool.
- On the press tool, push the retaining pin back in and rotate it 180 degrees.

INFO!

The handle on the actuator can be removed if necessary.

3.3 Pressing

⚠ CAUTION!

Risk of crushing

Risk of getting your fingers and hands crushed.

- Hold the press tool with both hands on the handle area during pressing.

NOTICE!

Property damage due to defective press ring

Using a defective, incorrectly sized, or worn press ring may result in an incorrect press.

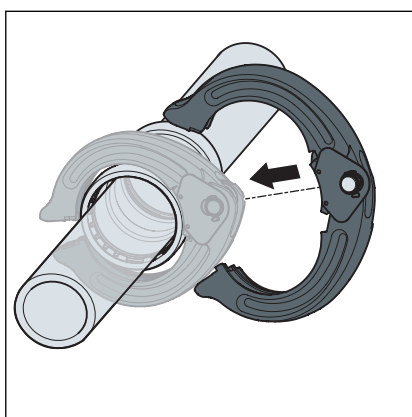
- Before using the press rings, check them for visible defects.
- Only use defect-free press rings of a suitable size.

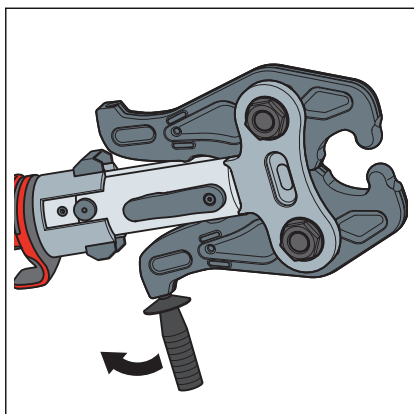
INFO!

Follow the instruction for use for the press tool and the MegaPress 2½" to 4" piping system you are using.

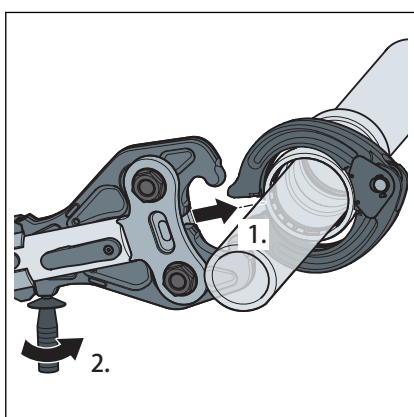
Requirements:

- The dimension of the press fitting must match the dimension of the press ring.
- Open the press ring and place it around the pressing point on the press fitting.

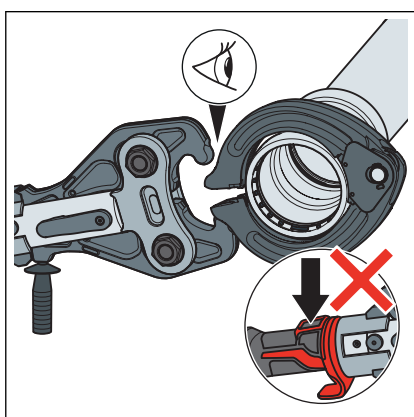




► Open the Viegga Z3 actuator.

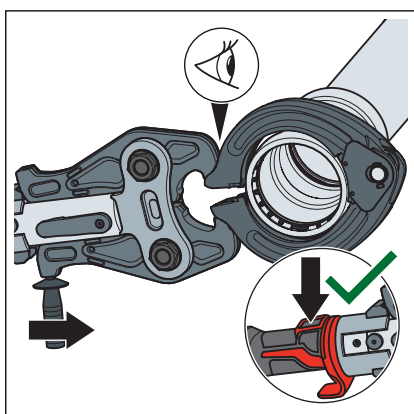


► Place the open Viegga Z3 actuator onto the press ring by inserting the ball heads of the actuator into the contact points of the press ring.

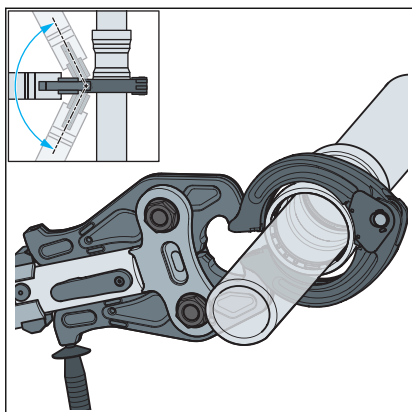


NOTICE!

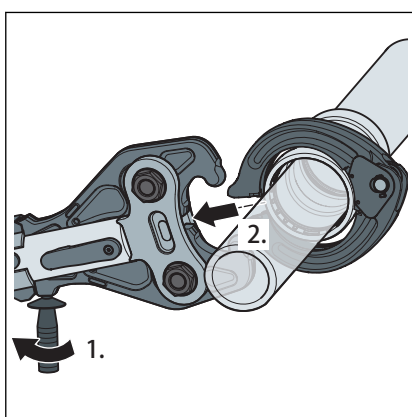
Before initiating a press make sure the ball heads sit correctly in the contact points of the press ring.



► Close the Z3 actuator.



- Hold the press tool and handle of the Z3 actuator securely.
- Start the pressing process by holding the press tool trigger until the actuator has engaged the press ring.
- When the press cycle is complete, the actuator will stop and release. The MegaPress press fitting will have been pressed to the pipe.



- Once the press is complete, open the Z3 actuator and take the actuator off the press ring.
- Remove the press ring from the fitting.

3.4 Interrupting the Press Cycle

Take the Viega Z3 actuator Off the Press Ring

In the event that the current press cycle must be interrupted, you can manually loosen the press tool from the press ring.

- Press the black manual release button on the handle of the press tool until the piston has fully retracted and the actuator is no longer stress loaded (see the manual for the press tool used).
- Open the Z3 actuator.

Continuing an Interrupted Press Cycle

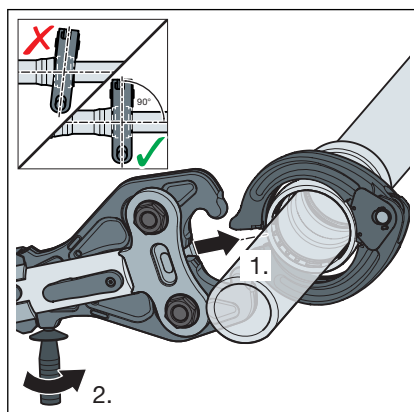
Interrupted presses of MegaPress 2½" to 4" press fittings can be restarted. This should only be done in extenuating circumstances where the press ring was manually loosened.

INFO!

Before and during the press stroke of the resumed pressing, note that the empty stroke is longer and in particular note the following:

- The ball heads of the hinged actuator must lie correctly in the contact points of the press ring.
- The press ring must be correctly seated and lay flush on the press fitting.

Requirements:



The press fitting and the press tool are not damaged.

- Attach the press ring to the press fitting once more.
- Complete the press using the press tool.

INFO!

When completing an interrupted press, it is not necessary to place the press ring in exactly the same position on the press fitting as during the aborted pressing provided the axial positioning of the press ring on the fitting is correct and the press ring sits at a right angle to the pipeline axis.

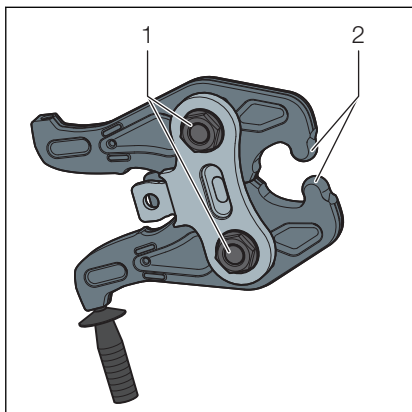
3.5 Troubleshooting

In case of malfunction, check for the following potential causes:

Malfunction	Cause	Remedy
The Z3 actuator is stiff.	The Z3 actuator is dirty.	Clean the Z3 actuator, see Chapter 3.6.1 "Cleaning" on page 13.
Cannot open the Z3 actuator wide enough to apply it to the open press ring (unpressed fitting).	The press tool was unable to return to the starting position.	Reset the press tool manually.
The Z3 actuator doesn't attach correctly to the press tool.	The press tool is incompatible or defective.	Use a different press tool, see "Appropriate system press tools:" on page 5.

3.6 Care and Maintenance

3.6.1 Cleaning



- Use a cloth to remove any dirt or metal residues as well as lubricant residues from the Z3 actuator.
- Regularly lubricate the joints and moving components (1) with maintenance oil.
- Regularly lubricate the ball heads (2) with a small amount of MOLY-KOTE™ G-N Plus Paste to reduce wear and tear.
- Spray the Z3 actuator with a thin coat of maintenance oil. Let it soak in briefly, then wipe the part down with a lint-free cloth.

3.7 Disposal

For environmentally friendly disposal, send the Z3 actuator to a recycling/scrap metal company.



Viega LLC

insidesales@viega.us

viega.us

US • 2019-11 • VPN190575

