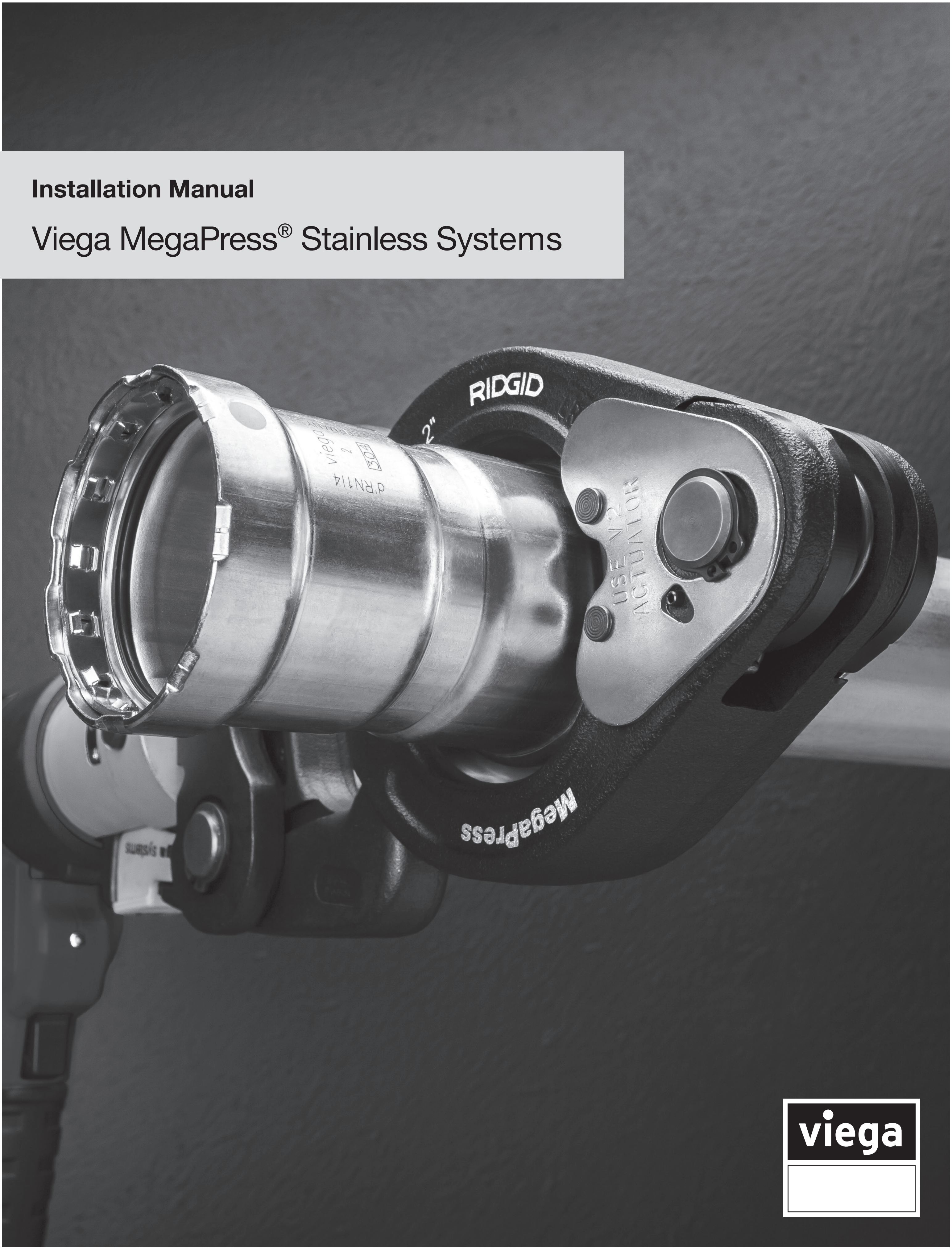
**Installation Manual**

# Viega MegaPress® Stainless Systems

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# 1 About this Document

## 1.1 Disclaimer

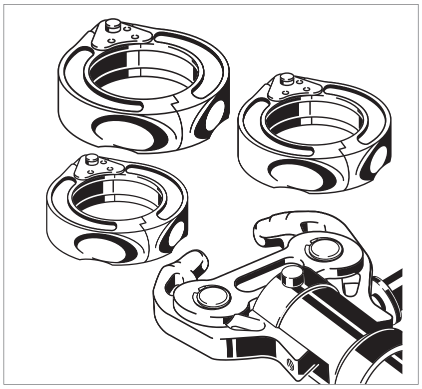
Viega products are designed to be installed by licensed and trained plumbing and mechanical professionals who are familiar with Viega products and their installation. **Installation by non-professionals may void Viega LLC's warranty.**

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

MegaPress 304 FKM ½" to 2" formerly MegaPress Stainless 304
MegaPress 304 FKM 2½" to 4" formerly MegaPress Stainless 304 XL
MegaPress 316 ½" to 2" formerly MegaPress Stainless 316
MegaPress 316 2½" to 4" formerly MegaPress Stainless 316 XL

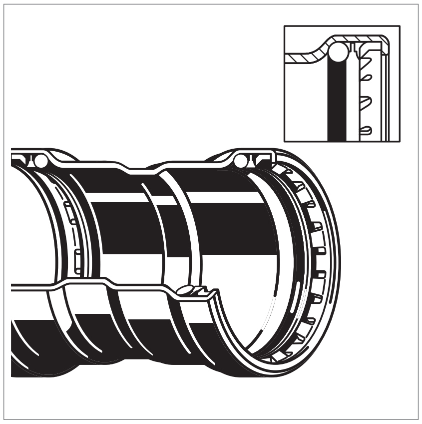
## 4.7.2 Viega MegaPress Stainless 2½" to 4" Installation

**WARNING!**
**Read and understand all instructions for installing Viega MegaPress Stainless 2½" to 4" fittings. Failure to follow all instructions may result in extensive property damage, serious injury, or death.**



**Use only rings that are compatible with MegaPress Stainless 2½" to 4" fittings.**

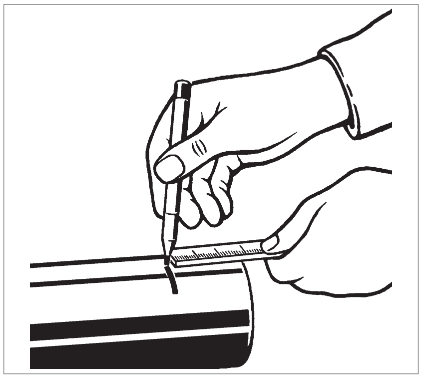
- Viega MegaPress Stainless 2½" to 4" fitting connections must be made using MegaPress XL rings and a PressBooster/Z3 actuator.
- See RIDGID Operator's Manual for proper tool instructions.
- Use of incompatible rings will result in an improper connection.
- Do not mix actuators and rings from different manufacturers.



Check the sealing element, separator ring, and grip ring for correct fit:

- The pipe end is not bent or damaged.
- The pipe is deburred.
- The correct sealing element is in the fitting.

Illustration demonstrates proper fit of grip ring, separator ring, and sealing element.



- Measure insertion depth (see table below).
- Mark the proper insertion depth on the outside of the pipe.

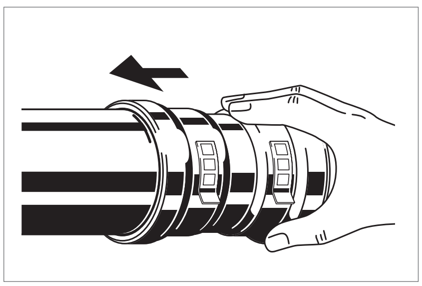
**Improper insertion depth**

Improper insertion depth may result in an improper seal.

- Be sure to mark the correct insertion depth on the pipe before pressing the fitting.

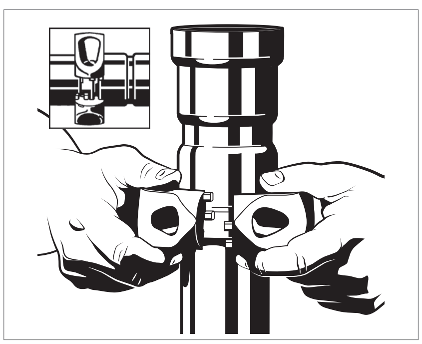
| Pipe Diameter (inches) | Insertion Depth (inches) | Insertion Depth (mm) |
|---|---|---|
| 2½ | $1\frac{13}{16}$ | 46 |
| 3 | $2\frac{5}{16}$ | 59 |
| 4 | 3⅛ | 80 |

**Table 30: Minimum insertion depths MegaPress Stainless 2½" to 4"**

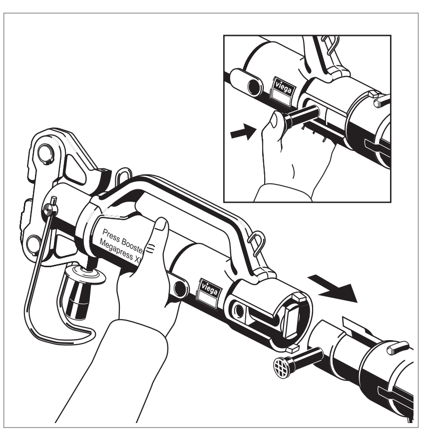


- While turning slightly, slide fitting onto the pipe to marked insertion depth.

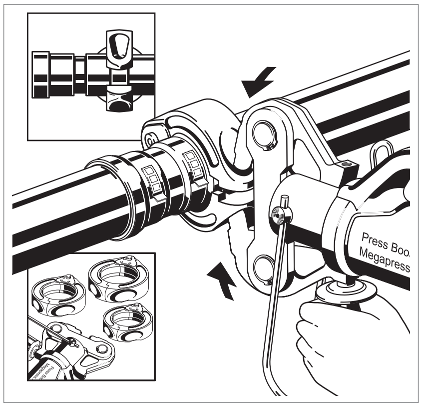
**Note:** End of pipe must contact stop.



- Open the MegaPress ring and place at right angles on the fitting.
- MegaPress ring must be engaged on the fitting bead.
- Check insertion depth.

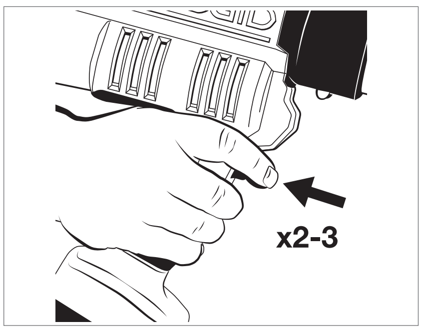


- Remove the retaining bolt of the press machine.
- Slide the PressBooster in via the press jaw fixture.
- Look at insertion depth mark on the pipe to make sure that the pipe is properly inserted into the fitting.



- Place PressBooster/Z3 actuator onto MegaPress XL rings and start pressing process.
- Hold the trigger until the actuator has engaged the MegaPress ring.

**WARNING!**
Keep extremities and foreign objects away from press tool during pressing operation to prevent injury or incomplete press.




- The PressBooster requires two presses of the trigger to execute a complete press. A third press may be needed to initiate a release cycle to reset the rollers back to the original position.
- Once the press is complete, release the PressBooster/Z3 actuator from MegaPress XL ring.
- Remove the MegaPress XL ring from fitting.

- Remove control label to indicate press has been completed.

## 4.8 Pressure Testing

Viega Smart Connect technology provides a quick and easy way for installers to identify connections that need to be pressed. Unpressed connections are located by pressurizing the system with air or water.

Pressure test all installed pipe in accordance with local codes or, in the absence of local codes, in accordance with NFPA 54 or NFPA 58.

**Smart Connect Testing**
- Testing for unpressed connections using Smart Connect is not a replacement for pressure testing requirements of local codes and standards.
- If testing with compressed air, use an approved leak-detect solution.

Water testing with Viega Smart Connect:
- Use a range of 15 to 85 psi.
- If an unpressed fitting is found, make sure the pipe is fully inserted before completing the press.
- If the initial test is successful, system may be pressure tested as required up to 600 psi.

Testing with air can be dangerous at high pressures. When air testing with Viega Smart Connect:
- Use a range of ½ psi to 45 psi.
- If an unpressed fitting is found, make sure the pipe is fully inserted before completing the press.
- If the initial test is successful, system may be pressure tested as required up to 200 psi.

Viega recommends air testing of gas systems at a minimum of ½ psi.

## 4.9 Disposal

Separate the product and packaging materials (e.g. paper, metal, plastic, non-ferrous metals) and dispose in accordance with all national, state, and regional requirements.

# 5 Limited Warranty

## 5.1 Limited Warranty for Viega Metal Systems for Industrial Applications

**Industrial applications are defined as non-residential and non-commercial applications not normally accessible to the general public, including manufacturing, mining, process or fabrication environments.**

Subject to the terms and conditions of this Limited Warranty, Viega LLC (Viega) warrants to end users, installers and distribution houses that its Viega metal press products (Viega product) when properly installed in industrial applications shall be free from failure caused by manufacturing defects for a period of two (2) years from date of installation.

Under this Limited Warranty, you only have a right to a remedy if the failure or leak resulted from a manufacturing defect in the Viega product and the failure or leak occurs during the warranty period. You do not have a remedy under this warranty and the warranty remedy does not apply if the failure or any resulting damage is caused by (1) components other than those sold by Viega; (2) not designing, installing, inspecting, testing, or maintaining the Viega product in accordance with Viega's installation and product instructions in effect at the time of installation and other specifications and approvals applicable to the installation; (3) improper handling and protection of the Viega product prior to, during and after installation, inadequate freeze protection, or exposure to environmental or operating conditions not recommended for the application; or (4) acts of nature, such as, but not limited to earthquakes, fire, or weather damage. Final approval as to use compatibility to a specific process or fluid application is the responsibility of the engineer of record or responsible design/facilities personnel and this Limited Warranty only applies to manufacturing defects in the Viega Product.

In the event of a leak or other failure in the Viega product covered by this warranty, it is the responsibility of the end user to take appropriate measures to diminish any damage, to include making timely repairs. Only if the warranty applies will Viega be responsible for the remedy under this warranty. The part or parts which you claim failed should be kept and Viega contacted by writing to the address below or telephoning 1-800-976-9819 within thirty (30) calendar days after the leak or other failure and identifying yourself as having a warranty claim. You should be prepared to ship, at your expense, the product which you claim failed due to a manufacturing defect, document the date of installation, and the amount of the repair or replacement if performed by you. Within a reasonable time after receiving the product, Viega will investigate the reasons for the failure, which includes the right to inspect the product at a Viega location and reasonable access to the site of damage. Viega will notify you in writing as to the results of its review.

In the event that Viega determines that the failure or leak was the result of a manufacturing defect in the Viega Product covered by this warranty and to which this warranty applies, the EXCLUSIVE AND ONLY REMEDY under this warranty shall be the reimbursement for reasonable charges for repair or replacement of the Viega Product itself. VIEGA SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR OTHER DAMAGE (FOR EXAMPLE, ECONOMIC LOSS, WATER OR PROPERTY OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION OR INDEMNITY OR OTHERWISE.

THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR ANY STATUTE OF LIMITATIONS RELATING TO SUCH WARRANTIES. Other than this Limited Warranty, Viega does not authorize any person or firm to create for it any other obligation or liability in connection with its products.

This Limited Warranty gives you specific legal rights and you also may have other rights which may vary from state to state. This warranty shall be interpreted and applied under the law of the state in which the product is installed and is intended as a Commercial Warranty.

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IM-MP 591324 0120 MegaPress Stainless