

## Submittal Package

# Viega MegaPress® CuNi Fittings



Project \_\_\_\_\_ Date \_\_\_\_\_

Engineer \_\_\_\_\_ Contractor \_\_\_\_\_

Submitted by \_\_\_\_\_

Approved by \_\_\_\_\_ Date \_\_\_\_\_ Approved by \_\_\_\_\_ Date \_\_\_\_\_

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This document is subject to updates. For the most current Viega technical literature, please visit [www.viega.us](http://www.viega.us).



Viega products must be installed by trained installers. MegaPress credential training is provided at no cost by Viega and is recommended every two years. Please contact Viega to arrange credential training onsite or at our training facility.  
**Installation by non-professionals may void Viega LLC's warranty.**

# 1 System Data Sheet

## MegaPress CuNi Fittings



MegaPress CuNi is an IPS cold press fitting system made of a non-corrosive copper-nickel wrought alloy that provides an economical and reliable installation of Class 200 and Schedule 40 copper-nickel pipe. The MegaPress CuNi fitting system requires no threading

or welding and poses no fire hazard, which is particularly important in restoration or retrofit work. The press fittings are installed with a battery-powered or corded pressing tool.

MegaPress CuNi fitting system is offered in configurations that allow for the installation of the vast majority of copper-nickel piping applications in the shipbuilding market. MegaPress CuNi fittings are available in sizes ranging from ½" to 4".

### Advantages

- Up to 90% time savings
- Lowest overall installed cost
- Proven joining technology
- Technical field support
- No fire watch needed
- No special certification required

### Components

- Alloy: 90/10 copper-nickel C70600
- FKM sealing element
- 420 stainless steel bite ring.
- 304 stainless steel separator ring for ½" to 2" fittings
- PBT separator ring for 2½" to 4" fittings

### Operating Parameters\*

- Operating Pressure:
  - ½" to 3" fittings: 232 psi maximum
  - 4" fittings: 181 psi maximum
- Test Pressure: 600 psi
- Operating Temperature: 23°F to 284°F (-5°C to 140°C)  
Can handle temperature spikes up to 356°F (180°C)

*\*Refer to your applicable type approval for exact parameters.*

### Listing and Certifications

- ABS type approval
- ASTM F3226
- BV: Bureau Veritas
- DNV: Det Norske Veritas
- GL: Germanischer Lloyd
- Lloyd's Register
- RINA: Registro Italiano Navale
- USCG Acceptance Letter

### Compliant With

- ISO 19921, 19922 Fire Resistance Test
- IACS P2.11.5
- ISO 9001 Quality Management System Certification

### Shipbuilding Rules

MegaPress CuNi system conforms to the following:

- International Association of Classification Societies
  - Requirements concerning pipes and pressure vessels
- United States Coast Guard
- ABS Steel Vessel Rules

For use in Class III pipe components for transporting sea water and other media in accordance with section 4.6.2, Table 9 and 10 of the ABS Steel Vessel Rules for compression couplings. The fittings are an approved fire-resistant type.

### Recommended Tools

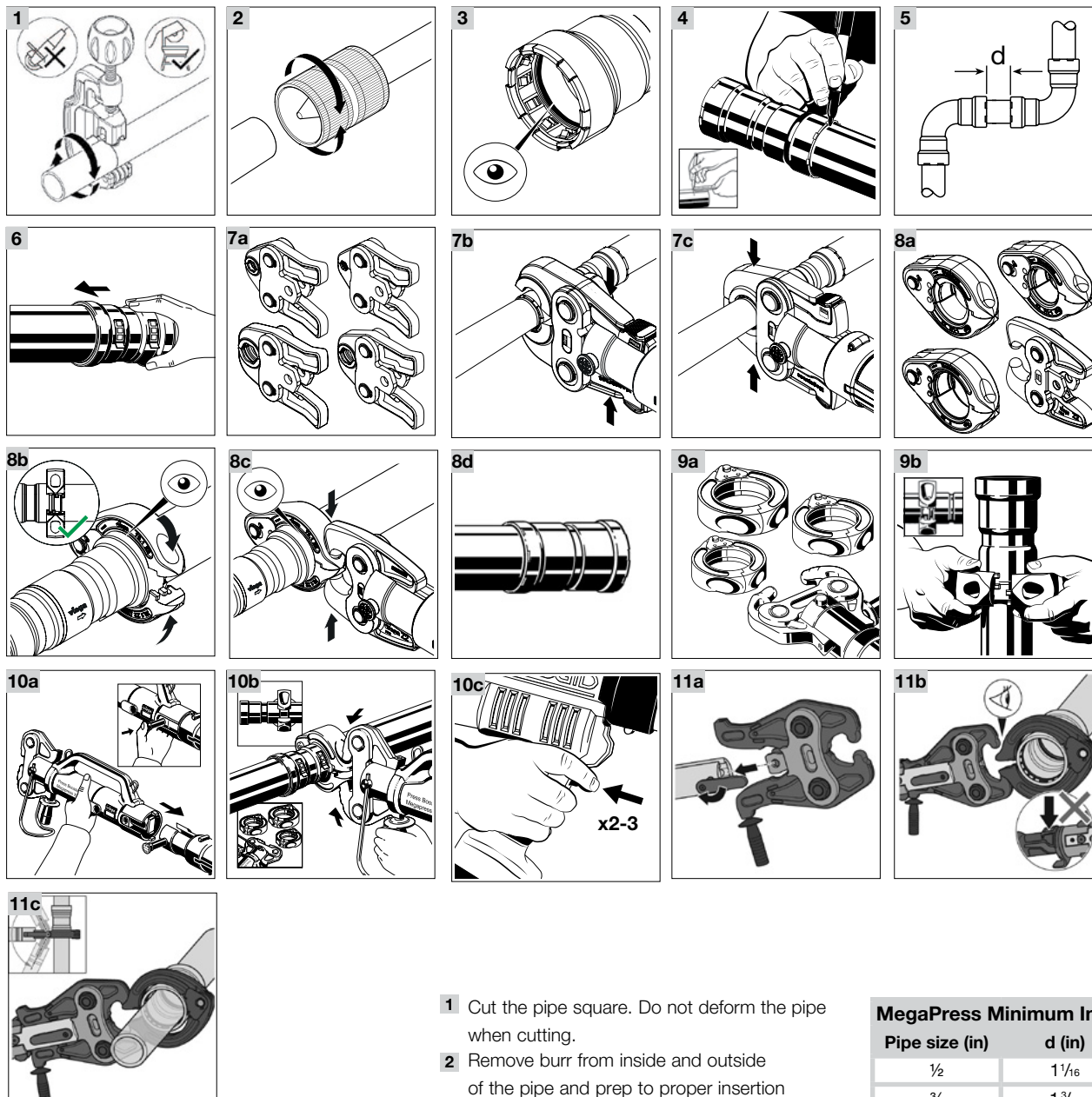
- Standard-size press tool (minimum hydraulic ram output of 7,200 lbs.)
- #56013 MegaPress jaw/ring kit ( ½" to 2")
- #26200 MegaPress XL PressBooster with 2½" press ring
- #57078 MegaPress XL 3" and 4" press ring kit
- #57081 Z3 Actuator with 2½" press ring (must be used with press gun with minimum 80mm press stroke)
- #56310 MegaPress Marine press jaw set ½" to 2"
- #56360 MegaPress Marine press ring set ½" and ¾" with V2 Actuator
- #56365 MegaPress Marine press ring set 1" to 2" with V2 Actuator

### Smart Connect® Technology

MegaPress CuNi fittings are manufactured with Viega's unique Smart Connect technology. A design of the fitting, Smart Connect technology allows identification of an unpressed fitting during pressure testing.

# 2 Product Instructions

## MegaPress ½" to 4" Fittings



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



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

- 1 Cut the pipe square. Do not deform the pipe when cutting.
- 2 Remove burr from inside and outside of the pipe and prep to proper insertion depth using a preparation tool or fine-grit sandpaper.
- 3 Fittings contain a sealing element, separator ring, and grip ring. Check that all components are present, clean, and undamaged. Do not use oils or lubricants.
- 4 Mark proper insertion depth as indicated by the following MegaPress Minimum Insertion Depth chart. Improper insertion depth may result in an improper seal. It is recommended that the depth marking be visible on the completed assembly.

**MegaPress Minimum Insertion Depth (d)**

| Pipe size (in) | d (in) | d (mm) |
|----------------|--------|--------|
| ½              | 1 ⅛    | 27     |
| ¾              | 1 ¾    | 30     |
| 1              | 1 ¾    | 35     |
| 1 ¼            | 1 ¾    | 46     |
| 1 ½            | 1 ¾    | 48     |
| 2              | 2      | 51     |
| 2 ½            | 1 ¾    | 46     |
| 3              | 2 ¾    | 59     |
| 4              | 3 ¾    | 80     |

- 5 Refer to the following chart for the minimum distance between fittings to ensure a correct press. Failure to provide this distance may result in an improper seal.

| MegaPress Minimum Distance (d) |        |        |
|--------------------------------|--------|--------|
| Pipe size (in)                 | d (in) | d (mm) |
| ½                              | ¼      | 6      |
| ¾                              | ¼      | 6      |
| 1                              | ¼      | 6      |
| 1¼                             | ½      | 13     |
| 1½                             | ½      | 13     |
| 2                              | ½      | 13     |
| 2½                             | ½      | 13     |
| 3                              | ½      | 13     |
| 4                              | ½      | 13     |

- 6** While turning slightly, slide fitting onto the pipe to the marked depth. End of pipe must contact stop. It is recommended that the depth marking still be visible on the completed assembly.

#### Pressing ½" to 1" Fittings

- 7a** Viega MegaPress ½" to 1" fitting connections must be performed with MegaPress jaws and rings.
- 7b** Open the MegaPress jaw and place at right angles on the fitting. Visually check insertion depth using mark on pipe.
- 7c** Start pressing process and hold the trigger until the jaw has engaged the fitting. Jaws will automatically release after a full press is made. Remove the MegaPress jaw from the fitting.

#### Pressing 1¼" to 2" Fittings

- 8a** Viega MegaPress 1¼" to 2" fitting connections must be performed with MegaPress rings and a V2 actuator.
- 8b** Open the MegaPress ring and place at right angles on the fitting. The MegaPress ring must be engaged on the fitting bead. Check insertion depth.
- 8c** Place V2 actuator onto the MegaPress ring and start the pressing process. Hold the trigger until the actuator has engaged the MegaPress ring.
- 8d** Once the press is complete, release the V2 actuator from the MegaPress ring. Remove the MegaPress ring from the fitting.

#### Pressing 2½" to 4" Fittings

- 9a** Viega MegaPress 2½" to 4" fitting connections must be made using MegaPress XL rings and either the MegaPress XL PressBooster or the MegaPress Z3 actuator.

- 9b** Open MegaPress XL ring and place at right angles on the fitting. The MegaPress XL ring must be engaged on the fitting bead. Check insertion depth.

#### Pressing with MegaPress XL PressBooster

- 10a** Remove the retaining bolt of the press machine. Slide the PressBooster in via the press jaw fixture. Slide the retaining bolt of the press machine in as far as it will go.
- 10b** To open the PressBooster jaw, pull back the handle at the hinged adapter jaw. Place PressBooster onto the MegaPress XL ring by inserting the ball heads of the hinged adapter jaw into the contact points of the XL ring. Push the handle forward to close the hinged adapter jaw.
- 10c** Hold the trigger until the PressBooster has engaged the MegaPress XL ring. 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 from the MegaPress XL ring. Remove the MegaPress XL ring from the fitting.

#### Pressing with MegaPress Z3 Actuator

- 11a** 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.
- 11b** Open the Viega Z3 actuator by pulling the handle back. Place the open Viega Z3 actuator onto the MegaPress XL ring by inserting the ball heads of the actuator into the contact points of the XL ring. Close the Z3 actuator.
- 11c** Start the pressing process by holding the press tool trigger until the actuator has engaged the XL ring. When the press cycle is complete, the actuator will stop and release. Once the Z3 actuator releases, remove it from the MegaPress XL ring and then remove the MegaPress XL ring from the fitting.

# 3 Engineering Specifications

## MegaPress CuNi Seawater Piping System

### 1. Summary

MegaPress CuNi is a mechanically attached pipe fitting system. The MegaPress CuNi system includes fittings from ½" to 4" made of 90/10 copper nickel wrought alloy. For use in Class III pipe systems for transporting sea water and other media in accordance with section 4.6.2, Table 9 and 10 of the ABS Steel Vessel Rules for compression couplings. The fittings are an approved fire-resistant type.

### 2. Manufacturer

Viega LLC  
585 Interlocken Blvd.  
Broomfield, CO 80021  
Phone (800) 976-9819  
www.viega.us

### 3. Material

- A. Viega MegaPress CuNi fittings are made of non corrosive copper nickel CuNiFe 90/10 wrought alloy UNS C70600.
- B. The Viega MegaPress CuNi fittings include a factory installed high performance FKM sealing element.
- C. Also, refer to applicable marine approval for design, application and system limitations.
- D. MegaPress CuNi fittings shall be connected with Class 200 or Schedule 40 CuNiFe 90/10 pipe compliant to the following standards:
  - 1. ASTM B466 / B466M: Standard Specification for seamless copper-nickel pipe and tube
  - 2. ASTM B467: Standard Specification for welded copper-nickel pipe
  - 3. MIL-T-16420K: Military Specification, tube, copper-nickel alloy, seamless and welded

### 4. Fitting Markings

Fittings shall be marked with manufacturers name "Viega," size of the fitting, Germany, and a quality trace number.

### 5. Fitting Design

- A. The MegaPress CuNi fittings contain a sealing element, separator ring and bite ring. The stainless steel bite ring is pressed on top, forcing the bite ring teeth against the outer surface of the pipe, making a high strength connection.
- B. Operating Temperature: 23° to 284°F max. (-5° to 140°C)
- C. Operating Pressure: 232 psi max. (16 bar)

### 6. Installation

- A. Fittings joints shall be made in accordance with the manufacturer's installation instructions. The pipe shall be fully inserted into the fitting and the pipe marked at the shoulder of the fitting. Refer to product instructions for insertion depth and pipe deburring instructions. The fitting alignment shall be checked against the mark on the pipe to ensure the pipe is fully engaged (inserted) into the fitting.
- B. The joints shall be pressed using a press tool recommended by Viega.

## 7. Standards

MegaPress CuNi System conforms to the following piping standards:

- A. International Association of Classification Societies
  - 1. Requirements concerning pipes and pressure vessels
- B. United States Coast Guard
- C. 2017 ABS Steel Vessel Rules
- D. ASTM F3226/F3226M Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems

## 8. Shipbuilding Type Approvals

ABS: American Bureau of Shipping

LR: Lloyd's Register

BV: Bureau Veritas

DNV-GL: Det Norske Veritas Germanischer Lloyd

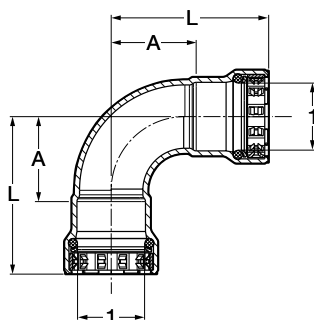
RINA: Registro Italiano Navale

USCG Acceptance Letter

# 4 Dimensional Documents

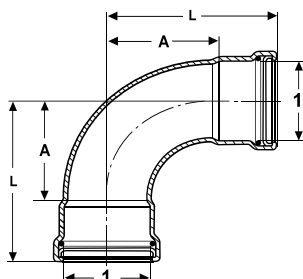
## MegaPress CuNi Fittings

### MegaPress CuNi 90° Elbow P x P - Model 0516



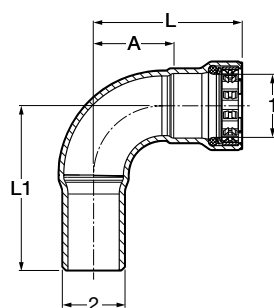
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | <b>1</b>  |        |        |
| 88000    | ½         | 1.17   | 2.24   |
| 88005    | ¾         | 1.36   | 2.52   |
| 88010    | 1         | 1.72   | 3.07   |
| 88015    | 1¼        | 2.02   | 3.84   |
| 88020    | 1½        | 2.26   | 4.13   |
| 88025    | 2         | 2.80   | 4.76   |

### MegaPress CuNi 90° Elbow P x P - Model 0516XL



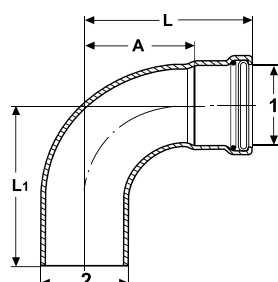
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | <b>1</b>  |        |        |
| 88030    | 2½        | 4.15   | 5.94   |
| 88035    | 3         | 4.78   | 7.09   |
| 88040    | 4         | 6.00   | 9.17   |

### MegaPress CuNi 90° Elbow P x FTG - Model 0516.1



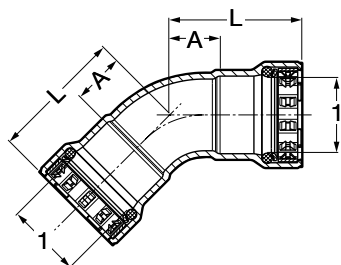
| Part No. | Size (in)  | A (in) | L (in) | L1 (in) |
|----------|------------|--------|--------|---------|
|          | <b>1 2</b> |        |        |         |
| 88045    | ½ x ½      | 1.17   | 2.24   | 2.56    |
| 88050    | ¾ x ¾      | 1.36   | 2.52   | 2.80    |
| 88055    | 1 x 1      | 1.72   | 3.07   | 3.39    |
| 88060    | 1¼ x 1¼    | 2.02   | 3.84   | 4.03    |
| 88065    | 1½ x 1½    | 2.26   | 4.13   | 4.21    |
| 88070    | 2 x 2      | 2.80   | 4.76   | 5.08    |

### MegaPress CuNi 90° Street Elbow P x FTG - Model 0516.1XL



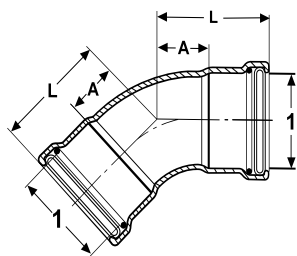
| Part No. | Size (in)  | A (in) | L (in) | L1 (in) |
|----------|------------|--------|--------|---------|
|          | <b>1 2</b> |        |        |         |
| 88075    | 2½ x 2½    | 4.15   | 5.94   | 6.06    |
| 88080    | 3 x 3      | 4.78   | 7.09   | 6.81    |
| 88085    | 4 x 4      | 6.00   | 9.17   | 8.78    |

### MegaPress CuNi 45° Elbow P x P - Model 0526



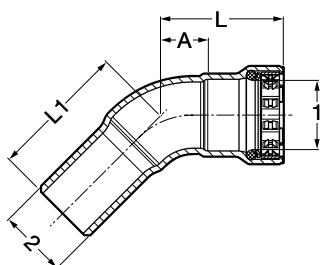
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | <b>1</b>  |        |        |
| 88090    | 1/2       | 0.60   | 1.67   |
| 88095    | 3/4       | 0.71   | 1.87   |
| 88100    | 1         | 0.86   | 2.20   |
| 88105    | 1 1/4     | 1.00   | 2.81   |
| 88110    | 1 1/2     | 1.12   | 2.99   |
| 88115    | 2         | 1.32   | 3.29   |

### MegaPress CuNi 45° Elbow P x P - Model 0526XL



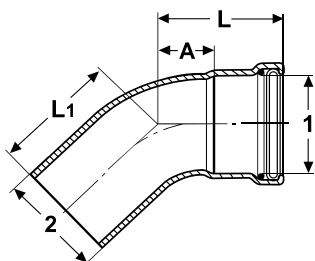
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | <b>1</b>  |        |        |
| 88120    | 2 1/2     | 2.10   | 3.90   |
| 88125    | 3         | 2.26   | 4.56   |
| 88130    | 4         | 2.74   | 5.89   |

### MegaPress CuNi 45° Elbow P x FTG - Model 0526.1



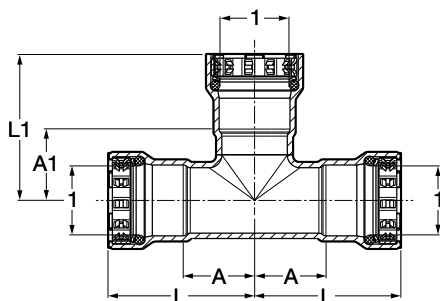
| Part No. | Size (in)     | A (in) | L (in) | L1 (in) |
|----------|---------------|--------|--------|---------|
|          | <b>1 2</b>    |        |        |         |
| 88135    | 1/2 x 1/2     | 0.60   | 1.67   | 1.97    |
| 88140    | 3/4 x 3/4     | 0.71   | 1.87   | 2.13    |
| 88145    | 1 x 1         | 0.86   | 2.20   | 2.52    |
| 88150    | 1 1/4 x 1 1/4 | 1.00   | 2.81   | 3.00    |
| 88155    | 1 1/2 x 1 1/2 | 1.12   | 2.99   | 3.07    |
| 88160    | 2 x 2         | 1.32   | 3.29   | 3.58    |

### MegaPress CuNi 45° Street Elbow P x FTG - Model 0526.1XL



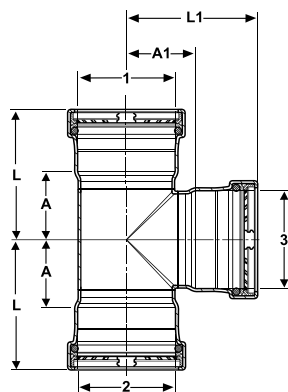
| Part No. | Size (in)     | A (in) | L (in) | L1 (in) |
|----------|---------------|--------|--------|---------|
|          | <b>1 2</b>    |        |        |         |
| 88165    | 2 1/2 x 2 1/2 | 2.10   | 3.90   | 3.95    |
| 88170    | 3 x 3         | 2.26   | 4.56   | 4.34    |
| 88175    | 4 x 4         | 2.74   | 5.89   | 5.62    |

### MegaPress CuNi Tee P x P x P - Model 0518



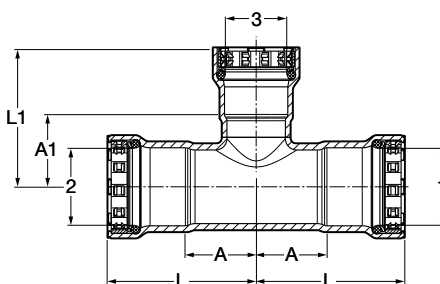
| Part No. | Size (in) | A (in) | A1 (in) | L (in) | L1 (in) |
|----------|-----------|--------|---------|--------|---------|
|          | 1         |        |         |        |         |
| 88180    | 1/2       | 0.97   | 0.97    | 2.04   | 2.04    |
| 88185    | 3/4       | 1.08   | 1.05    | 2.23   | 2.20    |
| 88190    | 1         | 1.23   | 1.23    | 2.57   | 2.57    |
| 88195    | 1 1/4     | 1.41   | 1.38    | 3.23   | 3.20    |
| 88200    | 1 1/2     | 1.57   | 1.57    | 3.44   | 3.44    |
| 88205    | 2         | 1.81   | 1.84    | 3.78   | 3.81    |

### MegaPress CuNi Tee P x P x P - Model 0518XL



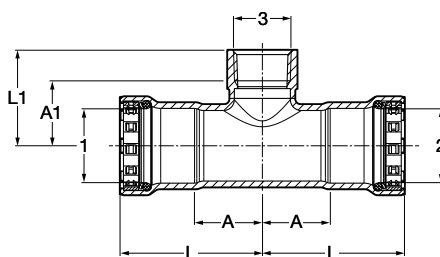
| Part No. | Size (in)             | A (in) | A1 (in) | L (in) | L1 (in) |
|----------|-----------------------|--------|---------|--------|---------|
|          | 1 2 3                 |        |         |        |         |
| 88210    | 2 1/2 x 2 1/2 x 2 1/2 | 2.16   | 2.24    | 3.96   | 4.04    |
| 88250    | 3 x 3 x 2             | 2.11   | 2.30    | 4.41   | 4.26    |
| 88255    | 3 x 3 x 2 1/2         | 2.32   | 2.49    | 4.63   | 4.29    |
| 88215    | 3 x 3 x 3             | 2.58   | 2.52    | 4.88   | 4.82    |
| 88260    | 4 x 4 x 2             | 2.18   | 2.87    | 5.35   | 4.84    |
| 88265    | 4 x 4 x 2 1/2         | 2.37   | 3.08    | 5.55   | 4.88    |
| 88270    | 4 x 4 x 3             | 2.63   | 3.09    | 5.81   | 5.39    |
| 88220    | 4 x 4 x 4             | 3.22   | 3.08    | 6.40   | 6.26    |

### MegaPress CuNi Reducing Tee P x P x P - Model 0518

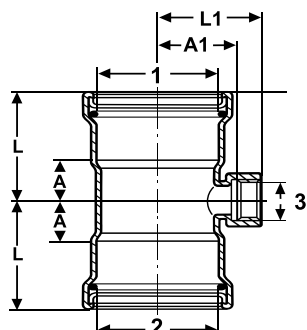


| Part No. | Size (in)     | A (in) | A1 (in) | L (in) | L1 (in) |
|----------|---------------|--------|---------|--------|---------|
|          | 1 2 3         |        |         |        |         |
| 88225    | 1 x 1 x 1 1/2 | 1.23   | 1.19    | 2.57   | 2.26    |
| 88230    | 1 x 1 x 3/4   | 1.23   | 1.26    | 2.57   | 2.41    |
| 88235    | 2 x 2 x 1 1/2 | 1.81   | 1.74    | 3.78   | 2.81    |
| 88240    | 2 x 2 x 3/4   | 1.81   | 1.80    | 3.78   | 2.95    |
| 88245    | 2 x 2 x 1     | 1.81   | 1.81    | 3.78   | 3.16    |

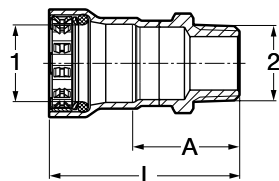
### MegaPress CuNi Reducing Tee P x P x FPT - Model 0517.2



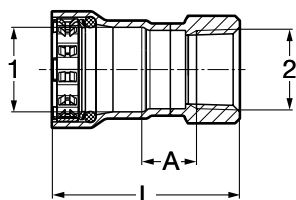
| Part No. | Size (in)       | A (in) | A1 (in) | L (in) | L1 (in) |
|----------|-----------------|--------|---------|--------|---------|
|          | 1 2 3           |        |         |        |         |
| 88275    | 1/2 x 1/2 x 1/2 | 0.97   | 0.91    | 2.04   | 1.45    |
| 88280    | 1 x 1 x 1 1/2   | 1.23   | 1.19    | 2.57   | 1.73    |
| 88285    | 1 x 1 x 3/4     | 1.23   | 1.18    | 2.57   | 1.73    |
| 88290    | 2 x 2 x 1 1/2   | 1.81   | 1.75    | 3.78   | 2.28    |
| 88295    | 2 x 2 x 3/4     | 1.81   | 1.72    | 3.78   | 2.28    |

**MegaPress CuNi Tee P x P x FPT - Model 0517.2XL**


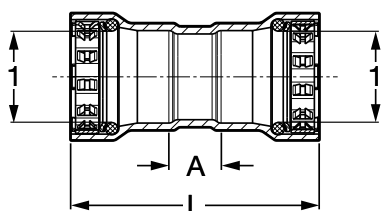
| Part No. | Size (in) |     |   | A (in) | A1 (in) | L (in) | L1 (in) |
|----------|-----------|-----|---|--------|---------|--------|---------|
|          | 1         | 2   | 3 |        |         |        |         |
| 88300    | 3 x 3     | 1/2 |   | 1.44   | 2.24    | 3.74   | 2.78    |
| 88305    | 3 x 3     | 3/4 |   | 1.44   | 2.25    | 3.74   | 2.78    |
| 88310    | 4 x 4     | 1/2 |   | 1.45   | 2.77    | 4.63   | 3.28    |
| 88315    | 4 x 4     | 3/4 |   | 1.55   | 2.78    | 4.72   | 3.34    |

**MegaPress CuNi Adapter P x MPT - Model 0511**


| Part No. | Size (in) |       | A (in) | L (in) |
|----------|-----------|-------|--------|--------|
|          | 1         | 2     |        |        |
| 88320    | 1/2       | 1/2   | 1.46   | 2.53   |
| 88325    | 3/4       | 3/4   | 1.47   | 2.63   |
| 88330    | 1         | 1     | 1.66   | 3.00   |
| 88335    | 1 1/4     | 1 1/4 | 1.89   | 3.70   |
| 88340    | 1 1/2     | 1 1/2 | 1.93   | 3.80   |
| 88345    | 2         | 2     | 1.94   | 3.91   |

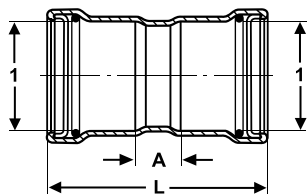
**MegaPress CuNi Adapter P x FPT - Model 0512**


| Part No. | Size (in) |       | A (in) | L (in) |
|----------|-----------|-------|--------|--------|
|          | 1         | 2     |        |        |
| 88350    | 1/2       | 1/2   | 0.70   | 2.31   |
| 88355    | 3/4       | 3/4   | 0.74   | 2.40   |
| 88360    | 1         | 1     | 0.71   | 2.72   |
| 88365    | 1 1/4     | 1 1/4 | 0.77   | 3.27   |
| 88370    | 1 1/2     | 1 1/2 | 0.73   | 3.28   |
| 88375    | 2         | 2     | 0.73   | 3.42   |

**MegaPress CuNi Coupling with Stop P x P - Model 0515**


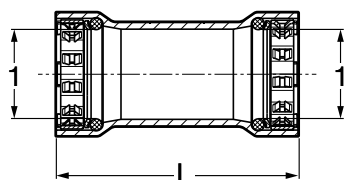
| Part No. | Size (in) |   | A (in) | L (in) |
|----------|-----------|---|--------|--------|
|          | 1         | 2 |        |        |
| 88380    | 1/2       |   | 0.56   | 2.70   |
| 88385    | 3/4       |   | 0.63   | 2.94   |
| 88390    | 1         |   | 0.59   | 3.28   |
| 88395    | 1 1/4     |   | 0.70   | 4.34   |
| 88400    | 1 1/2     |   | 0.89   | 4.63   |
| 88405    | 2         |   | 0.77   | 4.71   |

### MegaPress CuNi Coupling with Stop P x P - Model 0515XL



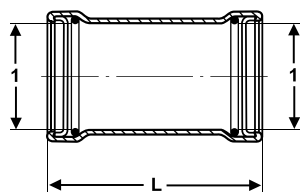
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | <b>1</b>  |        |        |
| 88410    | 2½        | 1.32   | 4.92   |
| 88415    | 3         | 1.38   | 5.98   |
| 88420    | 4         | 1.52   | 7.87   |

### MegaPress CuNi Coupling No Stop P x P - Model 0515.5



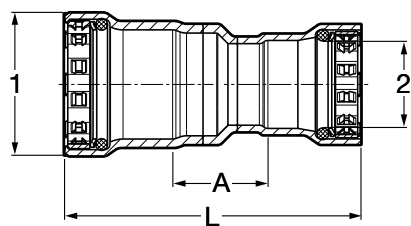
| Part No. | Size (in) | L (in) |
|----------|-----------|--------|
|          | <b>1</b>  |        |
| 88425    | ½         | 2.70   |
| 88430    | ¾         | 2.94   |
| 88435    | 1         | 3.29   |
| 88440    | 1¼        | 4.33   |
| 88445    | 1½        | 4.63   |
| 88450    | 2         | 4.71   |

### MegaPress CuNi Coupling No Stop P x P - Model 0515.5XL

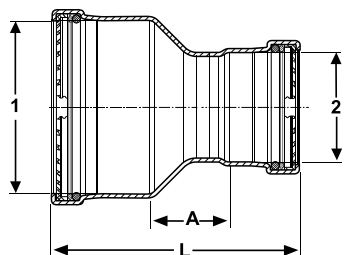


| Part No. | Size (in) | L (in) |
|----------|-----------|--------|
|          | <b>1</b>  |        |
| 88455    | 2½        | 4.92   |
| 88460    | 3         | 5.98   |
| 88465    | 4         | 7.87   |

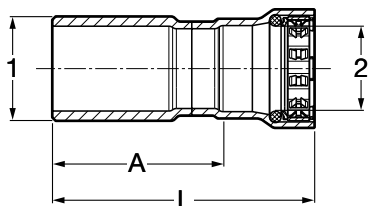
### MegaPress CuNi Reducer P x P - Model 0515.2



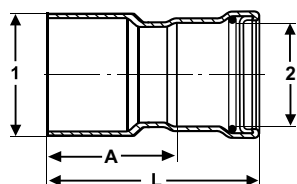
| Part No. | Size (in)  | A (in) | L (in) |
|----------|------------|--------|--------|
|          | <b>1 2</b> |        |        |
| 88470    | ¾ x ½      | 1.14   | 3.37   |
| 88475    | 1 x ½      | 1.34   | 3.76   |
| 88480    | 1 x ¾      | 1.17   | 3.67   |
| 88485    | 1¼ x ¾     | 1.28   | 4.26   |
| 88490    | 1¼ x 1     | 1.21   | 4.38   |
| 88495    | 1½ x 1     | 1.35   | 4.57   |
| 88500    | 1½ x 1¼    | 1.23   | 4.92   |
| 88505    | 2 x 1¼     | 1.44   | 5.23   |
| 88510    | 2 x 1½     | 1.40   | 5.24   |

**MegaPress CuNi Reducer P x P - Model 0515.2XL**


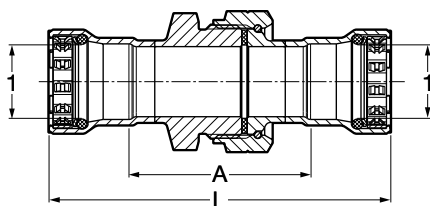
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | 1 2       |        |        |
| 88515    | 2½ x 1½   | 2.13   | 5.80   |
| 88520    | 2½ x 2    | 1.81   | 5.58   |
| 88525    | 3 x 2     | 2.13   | 6.40   |
| 88530    | 3 x 2½    | 2.06   | 6.16   |
| 88535    | 4 x 2½    | 2.58   | 7.56   |
| 88540    | 4 x 3     | 2.33   | 7.81   |

**MegaPress CuNi Reducer FTG x P - Model 0515.1**


| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | 1 2       |        |        |
| 88545    | ¾ x ½     | 1.92   | 2.99   |
| 88550    | 1 x ½     | 2.25   | 3.32   |
| 88555    | 1 x ¾     | 2.18   | 3.34   |
| 88560    | 1¼ x ¾    | 2.80   | 3.96   |
| 88565    | 1¼ x 1    | 2.81   | 4.15   |
| 88570    | 1½ x 1    | 2.81   | 4.15   |
| 88575    | 1½ x 1¼   | 2.80   | 4.62   |
| 88580    | 2 x 1¼    | 3.18   | 5.00   |
| 88585    | 2 x 1½    | 2.97   | 4.84   |

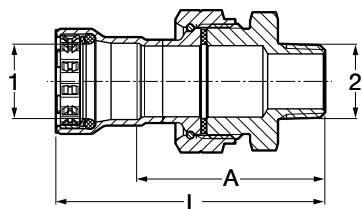
**MegaPress CuNi Reducer FTG x P - Model 0515.1XL**


| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | 1 2       |        |        |
| 88590    | 2½ x 1½   | 3.32   | 5.19   |
| 88595    | 2½ x 2    | 3.03   | 5.00   |
| 88600    | 3 x 2     | 3.80   | 5.77   |
| 88605    | 3 x 2½    | 3.77   | 5.57   |
| 88610    | 4 x 2½    | 5.25   | 7.05   |
| 88615    | 4 x 3     | 5.04   | 7.34   |

**MegaPress CuNi Union P x P - Model 0560**


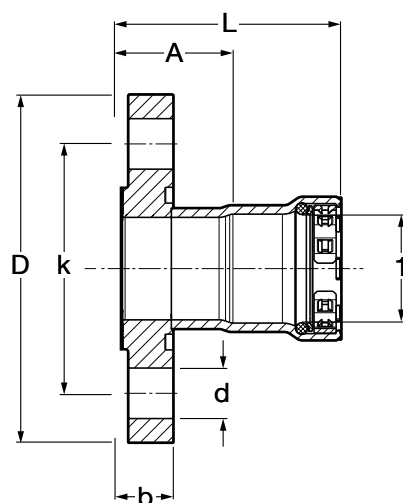
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | 1         |        |        |
| 88620    | ½         | 2.36   | 4.50   |
| 88625    | ¾         | 2.63   | 4.94   |
| 88630    | 1         | 2.61   | 5.30   |
| 88635    | 1¼        | 2.80   | 6.44   |
| 88640    | 1½        | 2.89   | 6.63   |
| 88645    | 2         | 3.63   | 7.56   |

### MegaPress CuNi Union P x MPT - Model 0565



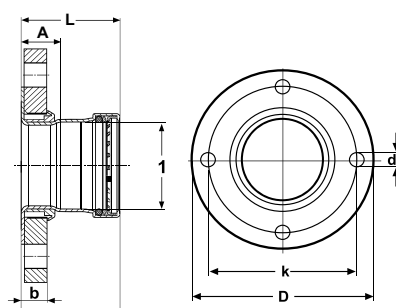
| Part No. | Size (in) | A (in) | L (in) |
|----------|-----------|--------|--------|
|          | <b>1</b>  |        |        |
| 88650    | 1/2       | 2.43   | 3.50   |
| 88655    | 3/4       | 2.69   | 3.85   |
| 88660    | 1         | 2.84   | 4.19   |
| 88665    | 1 1/4     | 3.01   | 4.83   |
| 88670    | 1 1/2     | 3.10   | 4.97   |
| 88675    | 2         | 3.92   | 5.89   |

### MegaPress CuNi Flange P x BP - Model 0559.5



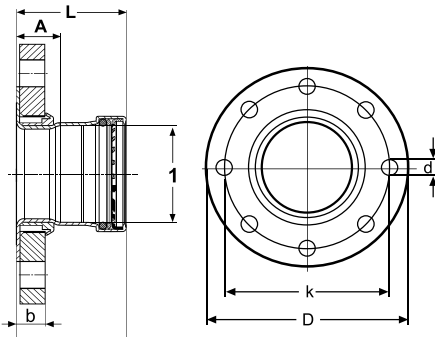
| Part No. | Size (in) | A (in) | L (in) | b (in) | k (in) | D (in) | d (in) |
|----------|-----------|--------|--------|--------|--------|--------|--------|
|          | <b>1</b>  |        |        |        |        |        |        |
| 88680    | 1         | 1.38   | 2.72   | 0.63   | 3.11   | 4.33   | 0.61   |
| 88685    | 1 1/4     | 1.39   | 3.21   | 0.63   | 3.50   | 4.53   | 0.63   |
| 88690    | 1 1/2     | 1.48   | 3.35   | 0.71   | 3.86   | 4.92   | 0.63   |
| 88695    | 2         | 1.54   | 3.51   | 0.79   | 4.76   | 5.91   | 0.75   |

### MegaPress CuNi Adapter Flange P - Model 0559XL



| Part No. | Size (in) | A (in) | L (in) | b (in) | k (in) | D (in) | d (in) |
|----------|-----------|--------|--------|--------|--------|--------|--------|
|          | <b>1</b>  |        |        |        |        |        |        |
| 88700    | 2 1/2     | 1.48   | 3.28   | 0.89   | 5.51   | 7.09   | 0.75   |
| 88705    | 3         | 1.61   | 3.91   | 0.96   | 5.98   | 7.48   | 0.75   |

# MegaPress CuNi Adapter Flange P - Model 0559XL



| Part No. | Size (in) | A (in) | L (in) | b (in) | k (in) | D (in) | d (in) |
|----------|-----------|--------|--------|--------|--------|--------|--------|
|          | 1         |        |        |        |        |        |        |
| 88710    | 4         | 1.57   | 4.75   | 0.96   | 7.52   | 9.06   | 0.75   |

## 5 Limited Warranty – Viega Metal Systems

Subject to the conditions and limitations in this Limited Warranty (“Warranty”), Viega LLC (“Viega”) warrants to end users, installers, and distributors in the United States and Canada that the following products (“Viega Products”) will be free of failure caused by a manufacturing defect from the date of installation for the time periods specified in the table included in this Warranty.

This Warranty will be valid only in the event the following conditions have been met: The Viega Products have been properly installed (1) under normal conditions of use; (2) under applications approved by Viega; (3) under Viega-specified system operating conditions; (4) using tools compatible with Viega systems; and (5) in alignment with Viega’s listings.

Further, you have a right to a remedy under this Warranty only if the Viega Product failure resulted from a manufacturing defect in the Viega Product and if the failure occurred during the applicable warranty period. You do not have a remedy under this Warranty if the failure was caused by (1) components other than those manufactured and/or sold by Viega; (2) failure to design, install, inspect, test, or maintain the Viega Product in accordance with Viega’s installation and product instructions in effect at the time of installation; (3) use of Viega Products under non-recommended system operating conditions (e.g., water pressures, temperatures, or other external chemical or physical conditions); (4) improper handling or protection of the Viega Product prior to, during, or after installation (e.g., inadequate freeze protection or exposure to environmental conditions not recommended for the application); or (5) acts of nature, including, without limitation, earthquakes, fire, or weather damage.

In the event of a failure of a Viega Product covered by this Warranty, it is the duty and responsibility of the end user to take appropriate measures to mitigate all potential damage, including making timely repairs to the system in which the Viega Product has been installed. The part or parts which you claim failed must be kept and returned to Viega for testing. Viega may be contacted at the phone number or mailing address below. All warranty claims must be made within 30 calendar days after the failure has (or

should reasonably have) been discovered. You should be prepared to ship, at your expense, the Viega Product which you claim failed due to a manufacturing defect, with documentation of the installation date and the amount spent on any repair or replacement if performed by you. Within a reasonable time after receiving the Viega Product, Viega will investigate the cause of the failure, which includes the right to inspect the Viega Product at a Viega location and reasonable access to the site of any alleged damage. Viega will notify you in writing of the results of its review.

In the event Viega determines that the failure was the result of a manufacturing defect in the Viega Product covered by this Warranty and all conditions of this Warranty have been met, your **SOLE AND EXCLUSIVE REMEDY** under this Warranty shall be the reimbursement for the reasonable costs of repair or replacement of the Viega Product itself. **VIEGA SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR OTHER SIMILAR DAMAGES (E.G., ECONOMIC LOSS, WATER OR PROPERTY DAMAGE, OR MOLD REMEDIATION) UNDER ANY LEGAL THEORY AND WHETHER ASSERTED BY DIRECT ACTION, FOR CONTRIBUTION, INDEMNITY, OR OTHERWISE.**

**THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR ANY STATUTE OF LIMITATIONS RELATING TO SUCH WARRANTIES.** Viega will be responsible for remedies only if all conditions of this Warranty have been met. Other than this Warranty, Viega does not authorize any person, company, contractor, or distributor to create any additional warranty, obligation, or liability in connection with the Viega Product.

This 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**.

*Continued on next page.*

| Warranty Period by Product and Application Type                                                                                                                                                                                                                                                      |                            |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------|
| Viega Product Line                                                                                                                                                                                                                                                                                   | Residential and Commercial | Industrial <sup>1</sup> and Marine <sup>2</sup> |
| ProPress® copper fittings                                                                                                                                                                                                                                                                            | 50 years                   | 2 years                                         |
| ProPress 316 fittings and tubing                                                                                                                                                                                                                                                                     | 10 years                   |                                                 |
| MegaPress® fittings                                                                                                                                                                                                                                                                                  | 15 years                   |                                                 |
| MegaPress FKM fittings                                                                                                                                                                                                                                                                               |                            |                                                 |
| MegaPress 304 FKM fittings                                                                                                                                                                                                                                                                           |                            |                                                 |
| MegaPress 316 fittings                                                                                                                                                                                                                                                                               |                            |                                                 |
| MegaPress 316 FKM fittings                                                                                                                                                                                                                                                                           |                            |                                                 |
| MegaPressG <sup>3</sup> fittings                                                                                                                                                                                                                                                                     |                            |                                                 |
| MegaPress CuNi fittings                                                                                                                                                                                                                                                                              |                            |                                                 |
| All valves                                                                                                                                                                                                                                                                                           | 5 years                    |                                                 |
| <sup>1</sup> 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, or applications with components that have been cleaned for oxygen service. |                            |                                                 |
| <sup>2</sup> Marine applications are defined as mobile structures used to navigate water or stationary structures in water.                                                                                                                                                                          |                            |                                                 |
| <sup>3</sup> MegaPressG products covered by this Warranty must be installed by a licensed contractor in compliance with applicable building, permit, and inspection codes. See product instructions for additional information.                                                                      |                            |                                                 |

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Broomfield, CO 80021

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[www.viega.us](http://www.viega.us)

SM-MP 1125 MegaPress CuNi Fittings

