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Viega PI-MP-PP 530720 Stainless IPS to CTS Transition Coupling Instructions

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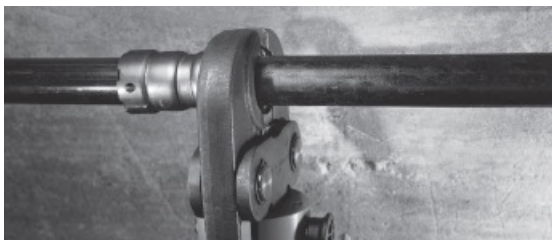
PI-MP-PP 530720 Stainless IPS to CTS Transition Coupling

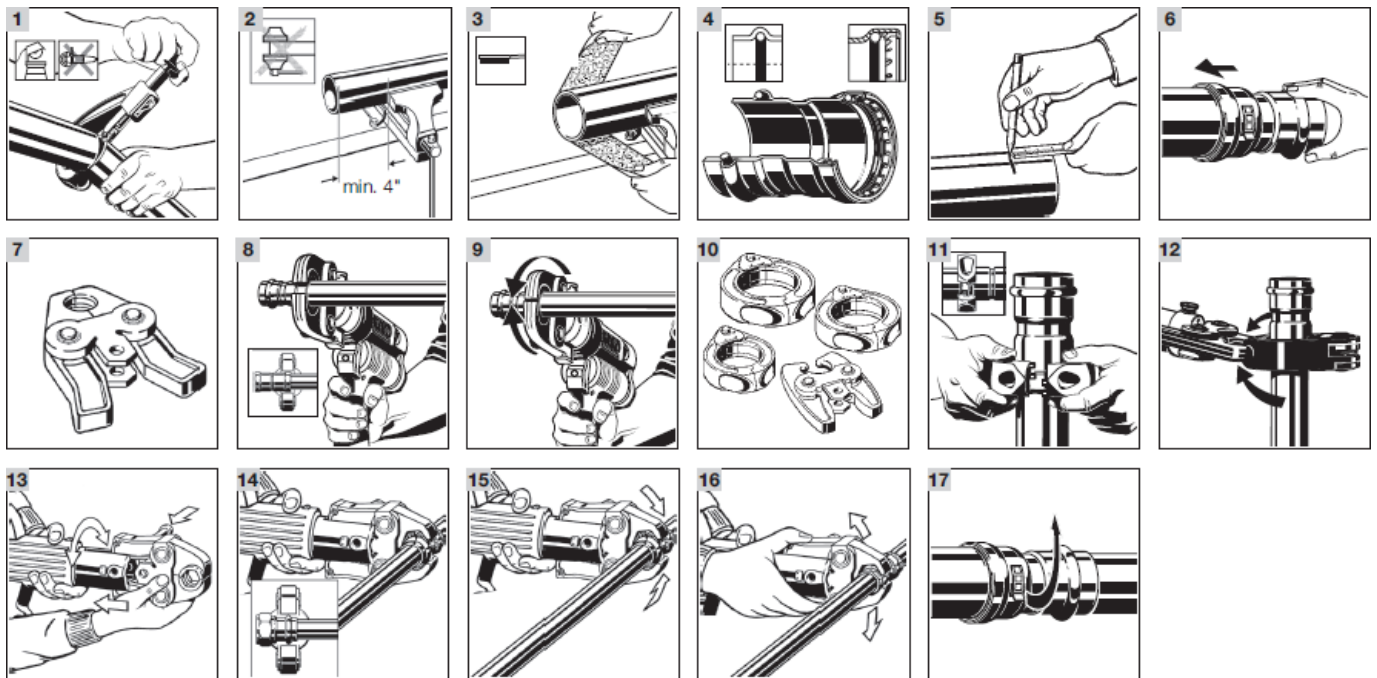
Product Instructions Viega Stainless IPS to CTS Transition Coupling ½" to 2"

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

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Product Instructions Viega Stainless IPS to CTS Transition Coupling ½" to 2"





Viega Stainless IPS to CTS Transition Coupling ½" to 2"

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.

The IPS side of the coupling (the larger side) must use MegaPress jaws/rings to make presses and the CTS side of the coupling must use ProPress jaws to make presses.

The Viega stainless IPS to CTS transition coupling is for joining stainless steel pipe only. It is not meant for joining dissimilar metals such as galvanized to copper pipe.

The IPS side of the coupling must be used with ASTM A312 pipe. The CTS side of the coupling must be used with ProPress Stainless tubing. The pipe/tube must be smooth, free of indentations, pits, and deformations and must be clean and free of dirt, debris, rust, scale, oil, and grease.

1. Cut piping at right angles using displacement type cutter or fine toothed steel saw.
2. Keep end of pipe/tube a minimum of 4" away from the contact area of the vise to prevent possible damage to the pipe/tube in the press area.
3. Remove burr from inside and outside of pipe/tube and prep to proper insertion depth using a

preparation tool or fine grit sandpaper.

4. Illustration demonstrates proper fit of the components inside the press hub.
5. Mark proper insertion depth. Improper insertion depth may result in an improper seal. The depth marking shall be visible on the completed assembly

IPS Press Connection Insertion Depth Chart						
Pipe Size (in)	1/2	3/4	1	1 1/4	1 1/2	2
Insertion Depth (in)	1 1/16	13/16	1 3/8	1 13/16	1 7/8	2

CTS Press Connection Insertion Depth Chart						
Tube Size (in)	1/2	3/4	1	1 1/4	1 1/2	2
Insertion Depth (in)	3/4	7/8	7/8	1	1 7/16	1 9/16

- 6 While turning slightly, slide fitting onto pipe/tube to the marked depth. End of pipe/tube must contact stop.

Warning!

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

To make an IPS press connection (larger side)

7 Viega MegaPress stainless 1/2" to 1" fitting connections must be performed with MegaPress jaws. See pressing tool's Operator's Manual for proper tool instructions.

8 Open the MegaPress jaw and place at right angles on the fitting. Visually check insertion depth using mark on piping.

9 Start pressing process and hold the trigger until the jaw has engaged the fitting.

10 Viega MegaPress 1 1/4" to 2" fitting connections must be performed with MegaPress rings and V2 actuator. See Operator's Manual for proper tool instructions.

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

12 Place V2 actuator onto MegaPress ring and start pressing process. Hold the trigger until the actuator has engaged the MegaPress ring.
To make a CTS press connection (smaller side)

13 Insert appropriate Viega ProPress jaw into the press tool and push in, holding pin until it locks in place.

Warning!

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

14 Open the jaw and place at right angle on the fitting. Visually check insertion depth using mark on tubing.

15 Hold trigger on press tool until press jaws have fully engaged the fitting. Jaws will automatically release after a full press is made.

16 After pressing, open the jaw and remove the press tool.

17 Upon completion of the press, release the jaw/ring from fitting. Remove product instruction label from fitting to indicate that presses have been completed.

Pressure Testing with Smart Connect®

Unpressed connections are located by pressurizing the system with air or water. When testing with water the proper pressure range is 15 psi to 85 psi. When testing with compressed air the proper pressure range is ½ psi to 45 psi maximum. If testing with compressed air, use an approved leak-detect solution. Following a successful pressure test, the system may be pressure tested up to 200 psi with air or up to 600 psi with water.


Testing for unpressed connections using Smart Connect is not a replacement for pressure testing requirements of local codes and standards.

CAUTION!

It is the responsibility of designers of piping systems to verify the suitability of type 304 or 316 stainless steel piping system and its sealing elements for use with the intended fluid media. The fluid's chemical composition, pH level, operation temperature, chloride level, oxygen level, and flow rate and their effect on AISI type 304 or 316 stainless steel must be evaluated by the material specifier to confirm system life will be adequate for the intended service. Failure to do

so may cause serious personal injury or property damage. Contact Viega Technical Services for questions and approvals.

Documents / Resources

	<p>Viega PI-MP-PP 530720 Stainless IPS to CTS Transition Coupling [pdf] Instructions PI-MP-PP 530720 Stainless IPS to CTS Transition Coupling, PI-MP-PP 530720, Stainless IPS to CTS Transition Coupling, CTS Transition Coupling, Transition Coupling, Coupling</p>
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References

-  [Viega USA | viega.us](https://www.viega.us)

Manuals+.