

Introducing the NEW **CinchClamp™** from Watts Radiant

These connections are a cinch to make.

Our new CinchClamp boldly goes where those other fittings can't – mainly into tight, hard-to-reach spaces. With a unique “tab” design, there is no need to get a tool around the entire fitting. Simply press the tab closed with the CinchTool™ and the connection is complete.

This design offers a positive mechanical connection, ensuring the RadiantPEX® is uniformly compressed against the fitting. The ratcheting CinchTool only releases when proper assembly is complete. No guess work is needed to determine if the connection has been properly made.

The unique CinchClamp design makes the new CinchTool dramatically simpler and easier to use. One tool installs all sizes from 3/8" to 1".

See an [animated introduction](http://wattsradiant.com) to CinchClamp at <http://wattsradiant.com>

Why it's a cinch:

- Ratcheting tool provides easy one-tool assembly.
- Connections can be dry-fit.
- Connections can be made with wet tubing.
- Final connections take only seconds.
- CinchTool only releases when connection is complete, ensuring a perfect connection.
- No calibration required on the CinchTool.
- Can visually verify whether connection is completed – tab of clamp is “pinched”.
- Connection rated to 160 psi @ 73°F; 100 psi @ 180°F.
- Clamp is an interlocking ring, forming a complete 360° uniform, watertight seal.
- Corrosion resistant, annealed 304 stainless steel.
- Uses ASTM F1807 brass or ASTM F2159 plastic insert fittings (plastic for potable systems only).



The CinchClamp connection system needs only one tool for all clamp sizes.

Description*	Order #	Qty	List Price
3/8" CinchClamp	81004993	10	\$3.00
	81004994	100	\$30.00
1/2" CinchClamp	81004995	10	\$3.50
	81004996	100	\$35.00
5/8" CinchClamp	81005114	10	\$4.60
	81005115	100	\$46.00
3/4" CinchClamp	81004997	10	\$4.60
	81004998	100	\$46.00
1" CinchClamp	81005001	10	\$5.80
	81005002	100	\$58.00
CinchTool	81004999	1	\$187.00

The CinchTool will install all sizes of CinchClamps.
11" L x 3" W x 3/4" H

Available at:

PEXHEAT.COM



WattsRadiant
Floor Heating & Snowmelting

A subsidiary of Watts Water Technologies, Inc.

Making RadiantPEX® connections with CinchClamps™

Product Overview

The CinchClamp should be installed in accordance to local plumbing code and practices. In addition to these standards, the following should be considered:

Tools:

Use an approved tool such as Watts Radiant's CinchTool™ or equivalent (must be ratcheting-type tool meeting ASTM 2098 specifications). Failure to use this type of tool will result in an improper fit. Use of other tools, such as pliers, will result in an improper fit and possible leaks.

Available at:

PEXHEAT.COM



The Connection

Make sure the RadiantPEX has a clean, square end. Use a PEX Tube Cutter to ensure the PEX does not deform while cutting.

Step 1:

Slide the CinchClamp over the end of the PEX. Allow enough room to allow for the fitting to be inserted.

Step 2:

Insert the fitting into the tube end making sure the tube is fully sealed over the fitting. Allow for 1/8" of clearance between the CinchClamp and the fitting.

Step 3:

Position the open jaws of the CinchTool over the tabs of the CinchClamp and squeeze. The ratchet effect of the CinchTool will not allow for an improper connection. The CinchTool will release automatically when the connection is complete.

Step 4:

Verify the connection is secure by visually checking the CinchTab. The tab should be shaped as shown below.

Step 4:



Step 1:



Step 2:



Step 3:



Description*	Order #	Qty.	Description*	Order #	Qty.
3/8" CinchClamp	81004993	10	3/4" CinchClamp	81004997	10
	81004994	100		81004998	100
1/2" CinchClamp	81004995	10	1" CinchClamp	81005001	10
	81004996	100		81005002	100
5/8" CinchClamp	81005114	10	CinchTool™	81004999	1
	81005115	100			

For Residential, Commercial and Snowmelt Applications

Job Name _____
Job Location _____
Engineer _____
Approval _____

Contractor _____
Approval _____
Contractor's P.O. No. _____
Representative _____

Manual Cinch Tool

Sizes: 3/8", 1/2", 5/8", 3/4"

Watts Radiant's manual CinchTool is designed to be used with RadiantPEX CinchClamp connections.

Specifications

Connections shall use Watts Radiant brass and poly-alloy fittings and RadiantPEX cross-linked polyethylene pipe.

Installation

All CinchClamps must be installed using a Watts Radiant CinchTool and in accordance with all installation guidelines.

- Make sure the RadiantPEX has a clean, square cut end.
- Slide the CinchClamp over the RadiantPEX.
- Insert fitting and position CinchClamp, allowing for approximately 1/8" clearance between clamp and fitting.
- Position the open jaws of the CinchTool over the tabs of the CinchClamp and squeeze. **Tool will release automatically when cinch is complete.**

If connections are made in temperatures below 30°F, caution must be taken to pause between ratchet segments, allowing the RadiantPEX to form a proper seal against the barb.

Do not use the CinchTool to remove CinchClamps. This will cause damage to the tool, resulting in improper connections.

Holster



CinchTool



Gauge



Manual Cinch Tool with work pouch and calibration gauge. Calibration gauge is located in side pouch.

Standards



- Manufactured in accordance with American Society for Testing and Materials (ASTM) F-2098.
- Fittings are to be manufactured in accordance with American Society for Testing and Materials (ASTM) F-1807, F-2159, and F-2434.

Available at: **631-240-9173**

MODEL #	ORDER#	DESCRIPTION
PCCT-2	81009709	Manual CinchTool (3/8" - 3/4" PEX)



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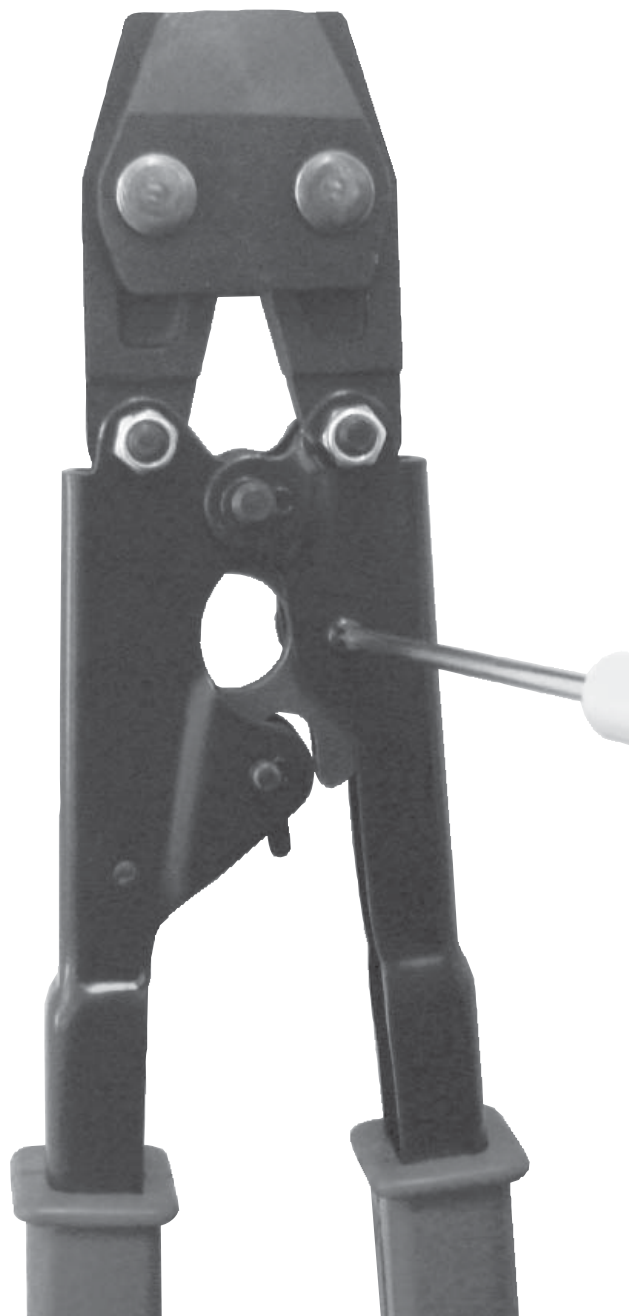
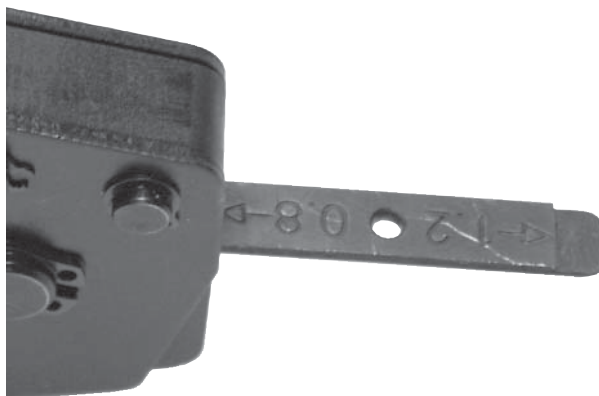
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

Calibration

Do not use the Cinch Tool if it has been damaged as this may result in an improper cinch.

After repeated use of the CinchTool, it may require calibration. A calibration gauge is provided in the tool pouch. Follow these steps when calibrating a Watts Radiant manual CinchTool.

1. Ratchet the CinchTool to the closed position and hold. Use the calibration tool to gauge the jaw gap. Ideally, the jaw gap should be between 0.8mm and 1.2mm. If the 1.2 mm side of the gauge slides into the gap, then the jaw space is too large. If the 0.8 mm side of the gauge can not slide into the gap, then the jaw space is too narrow.
2. To adjust the jaw gap, turn the CinchTool on its side and locate the Phillips screw positioned on the ratchet arm. Use a standard Phillips screwdriver to loosen the screw and to adjust the ratchet arm position. Moving the arm to the left will increase the jaw gap. Moving the arm to the right will decrease the jaw gap. Tighten screw when desired jaw gap is reached.



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