

EasyFit Isolator

“The quick-fit plumbing isolation-valve for pressured-pipe”

READ BEFORE STARTING!

Failure to read this may result in the voiding of the Warranty

The EasyFit Isolator can only be fitted with the EasyFit Isolator Tool Kit.

DO NOT fit to Steel Pipe. This product is only copper tubing (K, L, M) or PEX.

DO NOT attempt to fit on kinked and bent tubing or on tubing with solder or paint runs.

DO NOT use an **impact drill** to fit.

DO NOT remove the Poly-tube prior to **Step 8**.

DO NOT use on gas pipe.

DO NOT excessively jerk on wrench handle while manually drilling: this will cause the brass hex head to round off on cutting tool.

If you have any questions please contact us prior to starting.



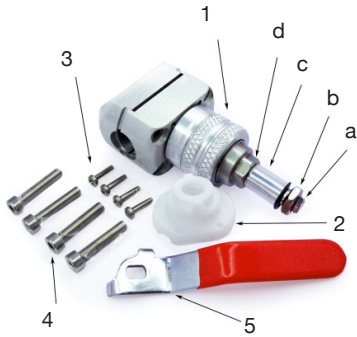
Installation Video



easyfitisolator.us

EasyFit Isolator

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Component Contents

- 1. Valve assembly, Upper & Lower Valve Components
 - a. Half Nut
 - b. Circlip
 - c. Split Poly-tube
 - d. Cutter Plug
- 2. White Plastic Cap
- 3. 4 Pan Head Screws
- 4. 4 Socket Body Bolts
- 5. 2 Handles (Red & Blue)

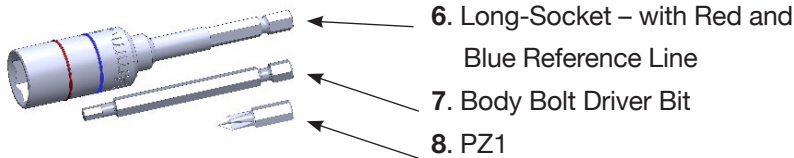
REQUIRED TOOLS

- Drill with at least 500 in/lbs torque or 18V
- Large Crescent Wrench
- Phillips Screwdriver

RECOMMENDED DRILL SETTINGS

- Drill preferred with side handle
- Set drill to half power when installing valve body bolts or install manually
- Set drill speed to lowest available and highest torque for deploying cutter plug

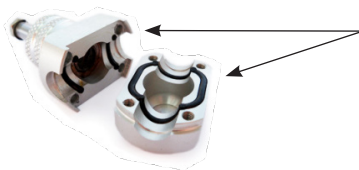
Tool Kit* (If included)



- 6. Long-Socket – with Red and Blue Reference Line
- 7. Body Bolt Driver Bit
- 8. PZ1

Two Housing Halves

(2) Upper and (1) Lower Gasket



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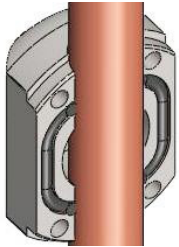
Fitting Instructions



1. Check the tubing

Tubing surfaces must be smooth and straight. Tubing should be well supported to handle drill torque.

Select a section of tubing that is free of solder and paint runs has no kinks, bends, or other damage. Ensure the install location is well supported. There may be slight vibration on the tubing as the valve is being installed. If the tubing is unsupported and you can it move freely with your hand, please select a location with better support. If no better location is available, be sure to support it manually during install.

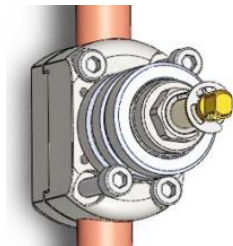


2. Secure lower housing onto tubing

Be sure to note original orientation of upper and lower body before disassembly to install the two halves back in the same orientation over tubing.

Unscrew (4) body bolts to open the valve, check the (1) lower and (2) upper gaskets on housing are in place. Slide the lower housing around the pipe to face forward, rotate until it is in the required final position for ease of using the isolator.

Either action could dislodge the seals and cause a leak.

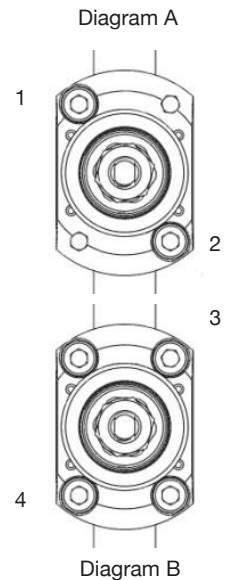
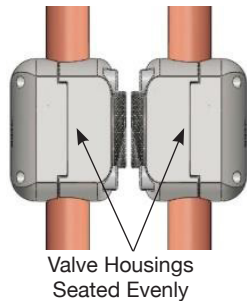


3. Attach the upper housing

Press the upper housing directly onto the lower housing. To avoid shearing the bolt-heads, set torque at approximately half of maximum.

IMPORTANT! Note the following instructions and refer to Diagram A. Failure to do so could cause the EasyFit Isolator to leak.

First, using the body bolt driver bit install two diagonally opposite socket body bolts (Diagram A, 1 and 2), tightening them alternately. Second, install the last two bolts (Diagram B, 3 and 4).



DO NOT rotate the housing after **Step 3.**

4. Prepare for driving in the cutter plug

Ensure the battery on your 18V drill is fully charged.

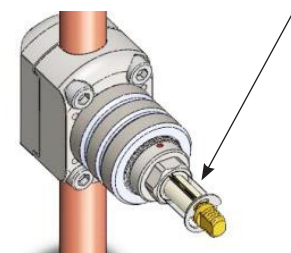
If your drill has adjustable settings, set the drill to low gear and maximum clutch (drill symbol).

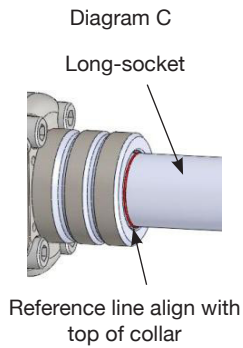
Attach the long-socket that matches the valve to be installed.

Note: the circlip on the spindle and the poly-tube underneath it.

DO NOT remove the Poly-tube prior to **Step 8.**

The poly-tube is essential to ensure the long-socket does not depress the spindle during installation. Prematurely depressing the spindle can damage the seal.





5. Drive in the cutter plug

DO NOT reverse drill or back out cutter plug at any time during or after this step, as this may damage the main seal and cause leaks.

Plastic pipe: It is recommended to use a wrench on the housing for support to counter the rotational forces of the drill. This helps to eliminate the small risk of flex in the tubing, damaging an existing joint, or rounding off bronze hex head of cutter plug.

Place the long-socket over the spindle and align on the hexagonal portion of the cutter plug, making sure not to compress or dislodge the poly-tube.

Using the drill at low speed (60 RPM), rotate clockwise the cutter plug until the reference line on the long-socket aligns with the top of the collar. See diagram C.

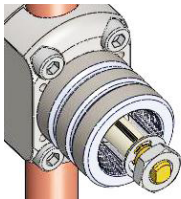
Blue Reference Line for 1/2" and 1" EasyFit.

Red Reference Line for 3/4" EasyFit.

Stop rotation when the cutter plug cannot be easily rotated any further, or if you have already passed the reference line on the long-socket.

Note: As the tubing is cut you will feel fluctuations in resistance. If you find more torque is required than your drill can provide, then you will need to use either a ratchet or a wrench to drive in the long-socket. To do this, use your crescent wrench on the hexagonal profile of the long socket tool.

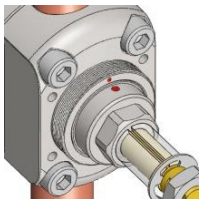
Depending on your drill, you might need to alternate between your drill & wrench more than once.



6. Remove the collar

Unscrew by hand (counter-clockwise) the collar from the upper-housing, and discard.

If the collar will not unscrew, the plug is probably not all the way in - recheck that the drill-to reference line is lined up with the collar. If not, screw in further; this will allow the collar to unscrew.



7. Check and align the cutter plug with the housing

Check that the top of the cutter plug threads and the housing flange are flush.

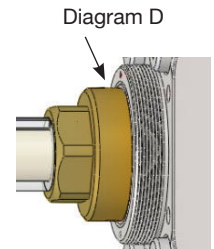
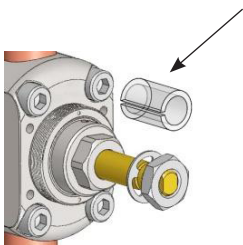
If bronze threads are visible, then you have not seated the boot fully and the valve will not seal. Remove drill and manually rotate down plug until flush.

See Diagram D.

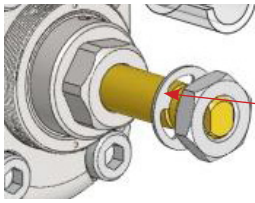
Align the red dot on the cutter plug with the red dot on the housing flange.

Step 9 cannot be completed without the correct alignment.

Note: We recommend you align the red dots using a wrench in a clockwise direction so that the cutter plug is fully home. If you cannot align clockwise because it is too tight, you can align in the counter-clockwise direction, but do not rotate counter-clockwise more than a half turn.

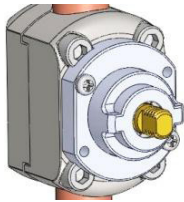


8. Remove the Split Poly-tube. Do not remove circlip



DO NOT REMOVE CIRCLIP!

9. Fit the white plastic cap

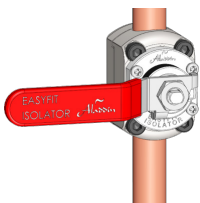


Remove the half nut from the spindle. Fit the white plastic cap over the spindle until flush with the body housing and push the spindle down. You may need to hold down the spindle against the water pressure in the pipe. This is normal.

Align the scallops underneath the white plastic cap with the bolt heads. Using a Phillips screwdriver, screw in the 4 pan head screws to attach the cap.

Tighten carefully in order not to strip the thread, in a diagonal pattern sequence until the cap is flush with the housing.

10. Fit the handle



Push the handle over the spindle thread and replace the half nut.

DO NOT rotate the spindle before the handle is fitted.

11. Test isolation

The handle will move 90° and will stop when the EasyFit Isolator is fully closed.

EasyFit Isolator in the off position

“You can now Isolate supply with the EasyFit Isolator”

If you have any questions please contact us at:

Technical Support:

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