



INSTALLATION OF PULL-RING CONNECTIONS WITH A U-SHAPED SEAL

Pull-rings are used in conjunction with U-shaped gaskets to connect tube components and pressed components with a 6 mm lip. The use of different U-shaped gasket profiles enables the same pull-ring to be used with 1 to 2 mm thick tube components and pressed components.

To meet the different requirements of every system, JACOB offers a comprehensive and wide-ranging standard range which covers most requirements.

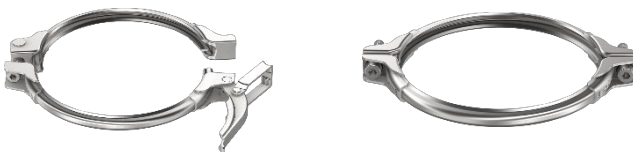
U-shaped gaskets

Profile for 1 mm wall thickness	Profile for 2 and 3 mm wall thickness
<p>NBR, silicone, Viton</p> <p>EPDM conductive</p> 	<p>NBR, silicone, Viton, EPDM conductive For 3 mm wall thickness, the use of U-shaped gaskets made of NBR or silicone is recommended. Only in conjunction with the pull-ring for 3 mm tubing.</p> 

Tubing component B	Wall thickness tubing component A			Wall thickness tubing component A			Wall thickness tubing component A	
	1 mm	1,5 mm	2 mm	1 mm	1,5 mm	2 mm	2 mm	3 mm
1 mm	■	■	■					
1,5 mm	■	■				■		
2 mm	■				■	■		■
3 mm							■	■

Pull-rings

QUICK CONNECT pull-ring	Pull-ring (without sealant)
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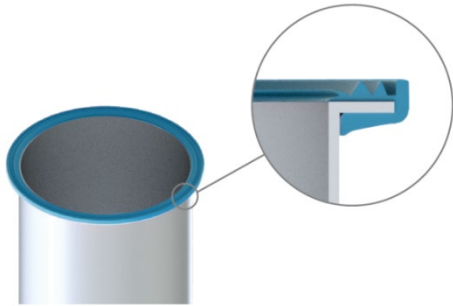


GENERAL INSTALLATION INFORMATION ON CREATING LEAK-PROOF CONNECTIONS

- Repair damaged lipped ends (align)
- Eliminate any unevenness from the lipped end
- Assemble the tubing tension-free
- Ensure when fitting the pull-ring that the U-shaped gasket does not form any loops
- Support horizontal tubing roughly every 13 feet. If there are several short tubing components in the tubing line, the interval between supports should be reduced
- Attach branch tubes so that they do not generate any tension in the main tubing line
- Tighten the bolts of two-part pull-rings evenly on both sides
- Re-tighten the pull-rings after 24 hours to ensure they are as leak-proof as possible

INSTALLATION OF PULL-RING CONNECTIONS WITH A U-SHAPED GASKET

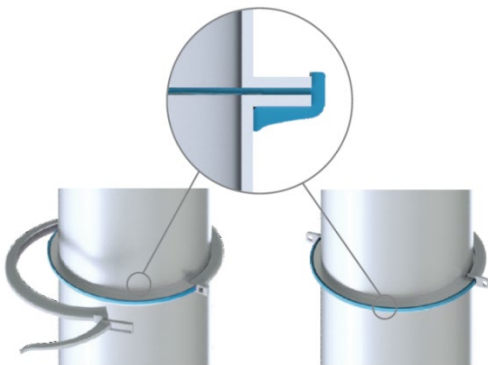
Note: To connect JACOB tube components with a 6 mm lip. A U-shaped gasket and a pull-ring are needed for each connection. You need a 6 mm hexagon cap screwdriver to mount the pull-rings.



Step 1

Attach a U-shaped gasket over one of the lipped tube ends.

- The U-shaped gasket must be slightly stretched to enable it to be attached
- The profiled side must face the tubing component that is being connected



Step 2

Position the connecting tube and slide one pull-ring half over the lipped tube end.

QUICK CONNECT pull-ring

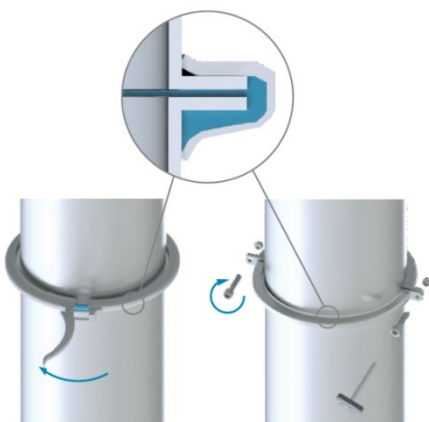
First, attach the pull-ring half without the toggle clip

Two-part pull-ring

We recommend separating the two halves of the pull-ring beforehand

Ensure that the tube components are properly aligned, and the U-shaped gasket is in the right position.

Note: We recommend that when fitting horizontal tubing lines where condensate occurs, any points at which the U-shaped gasket is glued should be positioned on top, and the connecting points of the pull-ring halves are horizontal. This ensures the maximum possible tightness at the lowest point of the connection.



Step 3

Press the second pull-ring half onto the lipped tube ends.

N.B.:

When closing the pull-ring, the U-shaped gasket must not form any loops.

QUICK CONNECT pull-ring

- Place the clasp over the closing hook and close the clip
- To prevent the connection from loosening accidentally (such as due to vibration) tighten the bolt with a 10 Nm torque on the mounting face

Two-part pull-ring

- Tighten the bolts evenly with a torque of 10 Nm

N.B.: A bolt tightening torque of 10 Nm is necessary for the QUICK CONNECT pull-ring, or 25 Nm for the two-part pull-ring, for shock explosion proof connection of up to 3 bar over-pressure.