




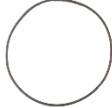



SMALL JOINT CLOSURE

Part Number: Various








Description	Tools & Additional Items Required												
<ul style="list-style-type: none"> The Small Joint Closure is for both outside plant and indoor optical fibre network for splicing applications. Up to 12 cables via 4 cable glands can be installed into the closure to a maximum spliced fibre capacity of 24. The splice tray supplied with the joint can accommodate up to 24 splices. The closure is supplied with sufficient components for the preparation, installation, and routing of two cables. Up to six additional cables can be added using Cable Entry Kits. 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Additional Items Required:</th> <th style="width: 50%; text-align: center;">Prysmian Part No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Splice protectors</td> <td style="text-align: center; padding: 2px;">XKTSC00050</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Optional Items:</td> </tr> <tr> <td style="padding: 2px;">Cable Entry Kit</td> <td style="text-align: center; padding: 2px;">XJTSC02336</td> </tr> <tr> <td style="padding: 2px;">Miniduct seal for 7/1.25mm</td> <td style="text-align: center; padding: 2px;">XBFSC01541</td> </tr> <tr> <td style="padding: 2px;">Tools:</td> <td style="padding: 2px;"> Marker pen Measure tape Tube stripper Ideal grey 45-162 Tube stripper Ideal blue 45-163 Flat screwdriver Hammer Cable tie gun Scissor Eden tube cutter Ripley 400 Fibre tube slitter </td> </tr> </tbody> </table>	Additional Items Required:	Prysmian Part No.	Splice protectors	XKTSC00050	Optional Items:		Cable Entry Kit	XJTSC02336	Miniduct seal for 7/1.25mm	XBFSC01541	Tools:	Marker pen Measure tape Tube stripper Ideal grey 45-162 Tube stripper Ideal blue 45-163 Flat screwdriver Hammer Cable tie gun Scissor Eden tube cutter Ripley 400 Fibre tube slitter
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Prysmian
Group
INSTALLATION INSTRUCTION

Component Parts (pictures not to scale)

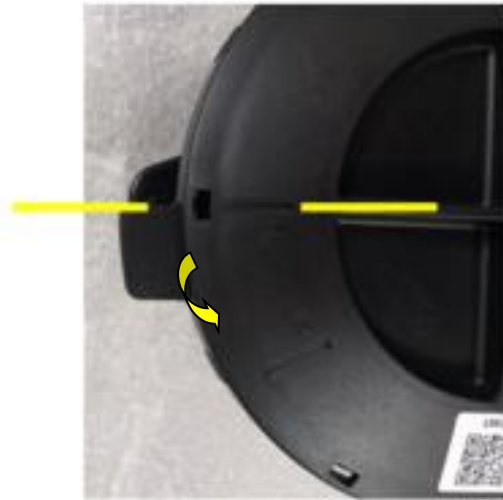
<p>1 Small Joint Closure Base + Cover Qty 1</p> 	<p>2 Cable management plate Qty 1</p> 	<p>3 Splice tray Qty 1</p> 	<p>4 O-ring Qty 1</p> 
<p>5 Cable Entry kit Qty 2</p> 	<p>6 Cable tie Qty 2</p> 	<p>6 Foam tape Qty 2</p> 	

Tools (pictures not to scale)

<p>1 Marker pen Qty 1</p> 	<p>2 Measure tape Qty 1</p> 	<p>3 Tube stripper Ideal grey 45-162 Qty 1</p> 	<p>4 Tube stripper Ideal blue 45-163 Qty 1</p> 
<p>5 Flat screwdriver Qty 1</p> 	<p>6 Hammer Qty 1</p> 	<p>7 Cable tie gun Qty 1</p> 	<p>8 Scissor Qty 1</p> 
<p>9 Eden tube cutter Qty 1</p> 	<p>10 Ripley 400 fibre tube slitters Qty 1</p> 		

Closure Opening

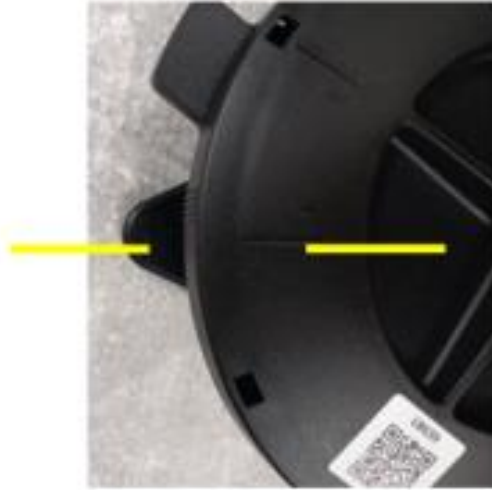
Step 1



- To unlock the closure, twist the cover of the closure anti-clockwise so the unlock line on the cover is aligned with the line and hole on the base.

Closure Opening

Step 2



- The cover should pop open to access the internals of the closure.

Closure Preparation and Cable Installation

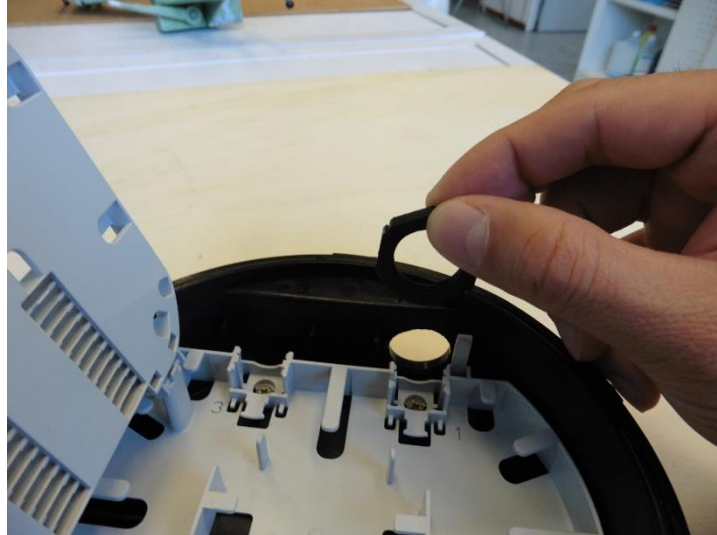
Step 1



- Open the package and check if all components are complete.
- Break the knock-out port according to application.
- Always start from port No. 1.
- Up to Step 30 show the straight connection application (Ports 1 and 2 are used in this case).
- As an example, a direct buried cable with diameter of 5.5 mm and a Pico-Tube cable with diameter of 7 mm are used for port 1 and 2 separately.

Closure Preparation and Cable Installation

Step 2



- Remove the cover and put lock nuts in the cable entry kit into the slots at the inner side of the closure body.

Closure Preparation and Cable Installation

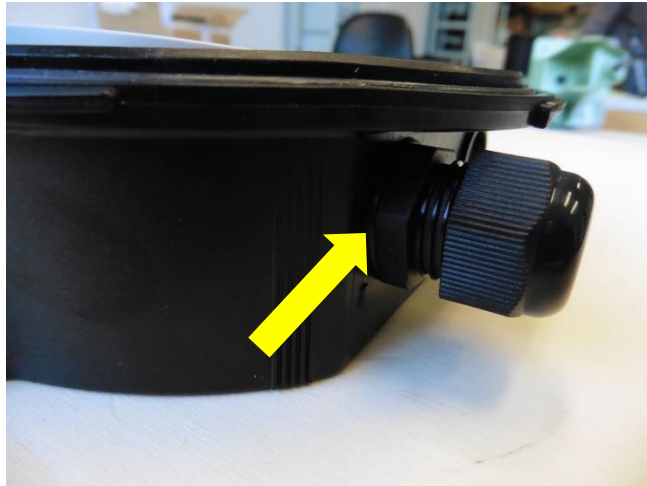
Step 3



- Put O-ring onto the cable gland. Make sure the O-ring sit on top of the bottom surface next to the thread.

Closure Preparation and Cable Installation

Step 4



- Mount the glands through the knock-out ports. Make sure gland surface touch the knock-out port top surface.

Closure Preparation and Cable Installation

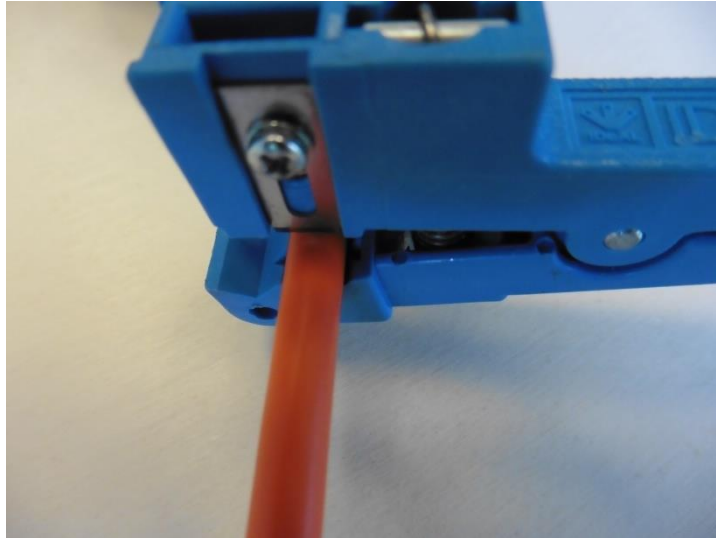
Step 5



- Make a marker where the Closure should be installed. Make sure it is at least 1.2 meter to the end of the cable.

Closure Preparation and Cable Installation

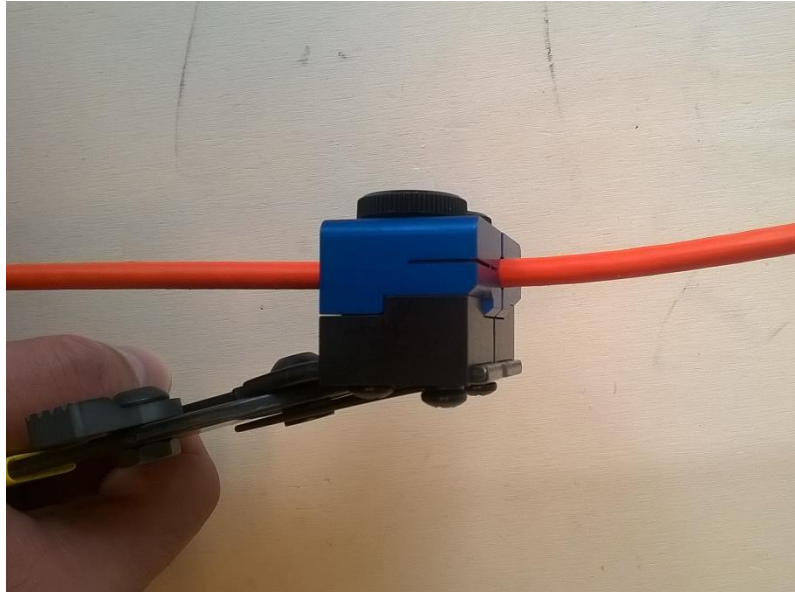
Step 6



- Make a cut around the cable at the marker.

Closure Preparation and Cable Installation

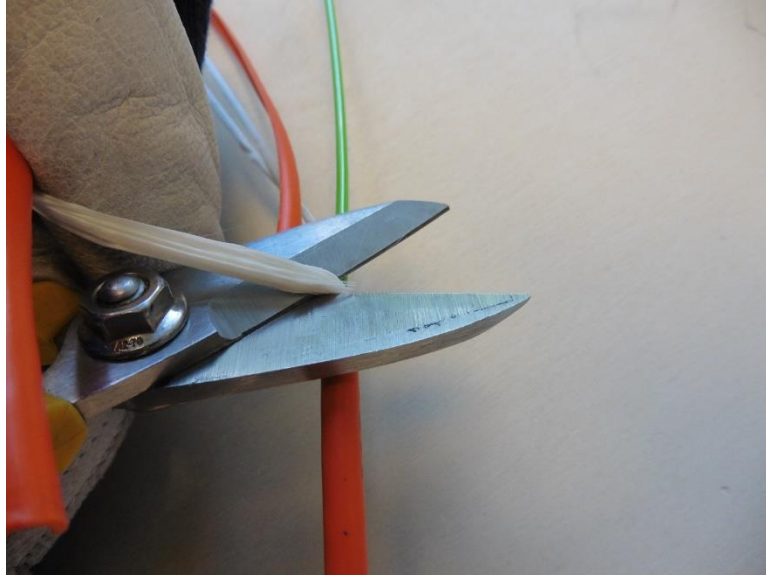
Step 7



- Use Ripley stripping splitter to open the cable out sheath along the length direction, from the marker to the end of the cable.

Closure Preparation and Cable Installation

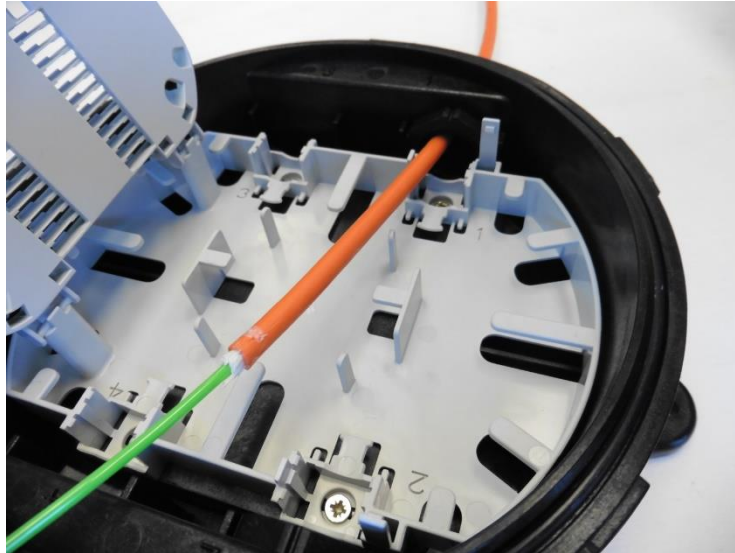
Step 8



- Remove the cable out sheath and cut the strength element with scissor.

Closure Preparation and Cable Installation

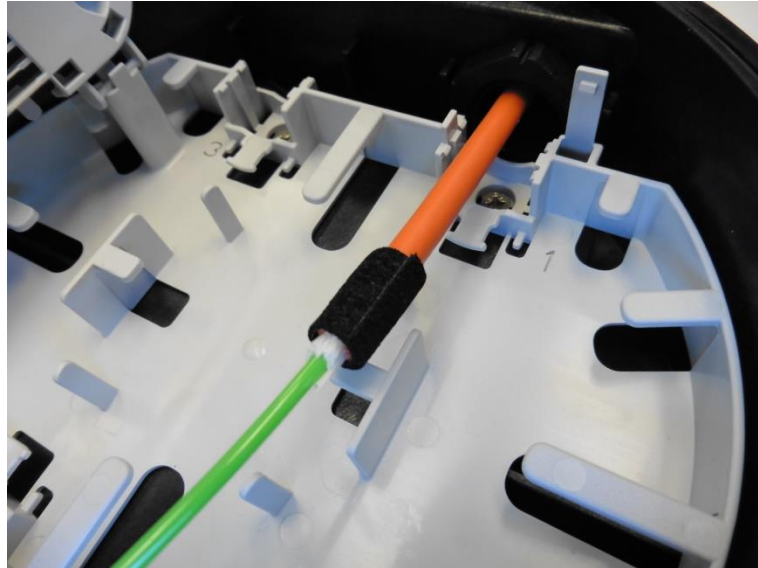
Step 9



- Put the cable into the closure through the gland.

Closure Preparation and Cable Installation

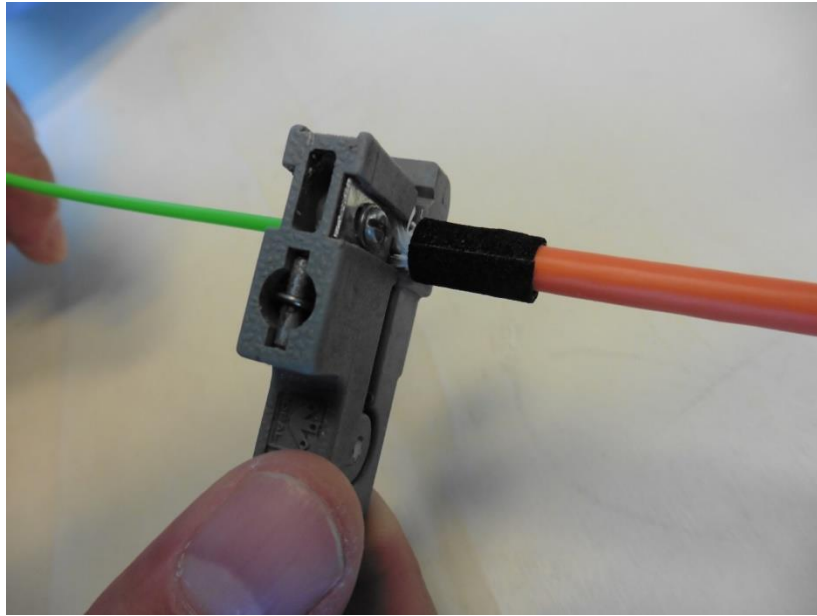
Step 10



- Put about one and half turns of foam tape at the end of the out sheath.

Closure Preparation and Cable Installation

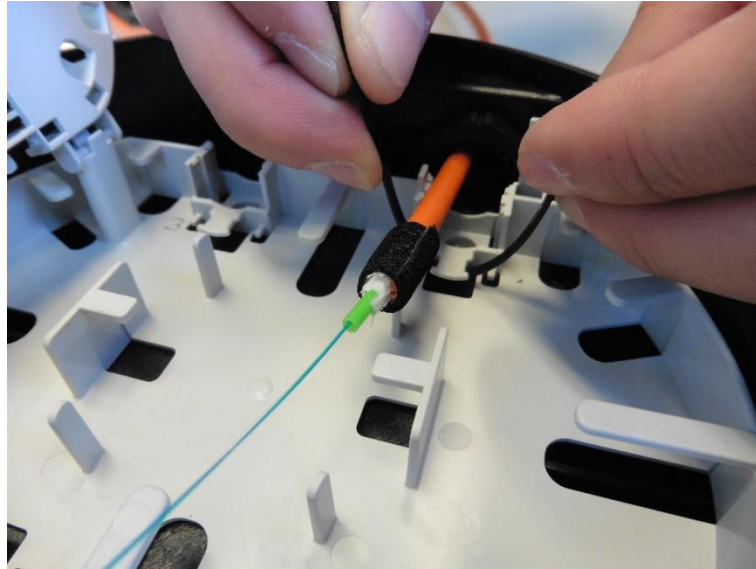
Step 11



- Strip the fibre element sheath and clean the fibres.

Closure Preparation and Cable Installation

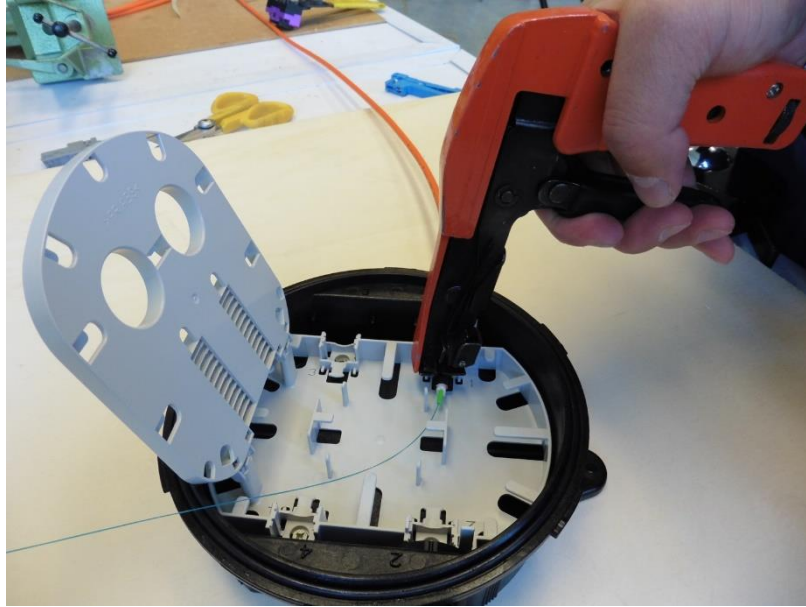
Step 12



- Put a cable tie under the tab in the cable management plate.

Closure Preparation and Cable Installation

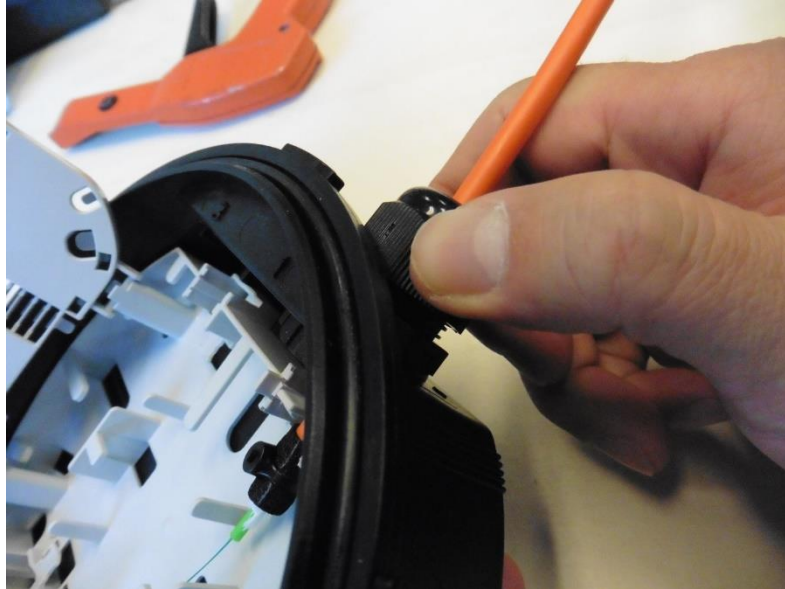
Step 13



- Tighten the cable tie with a cable tie gun.

Closure Preparation and Cable Installation

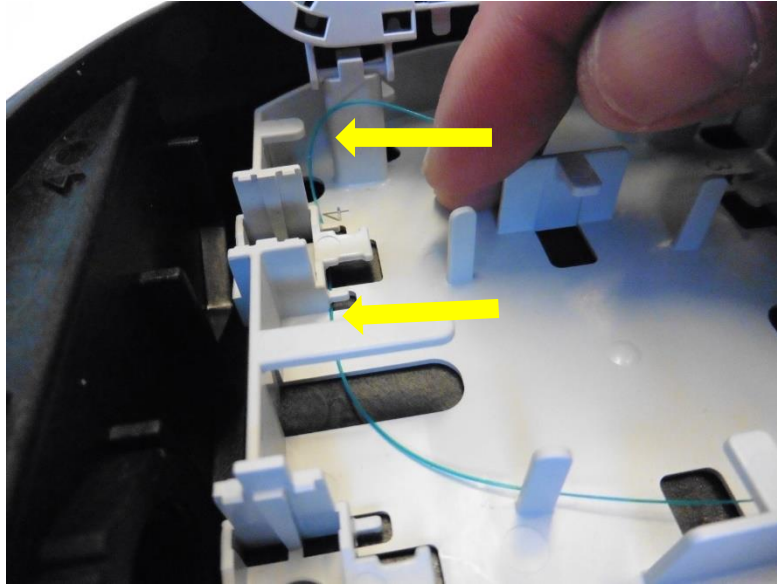
Step 14



- Tighten the sealing nut of the gland.

Closure Preparation and Cable Installation

Step 15



- Rout the fibre(s). Make sure they are under two small tabs at Port 4 (lower arrow in the photo) and behind the splice tray mounting support (upper arrow).

Closure Preparation and Cable Installation

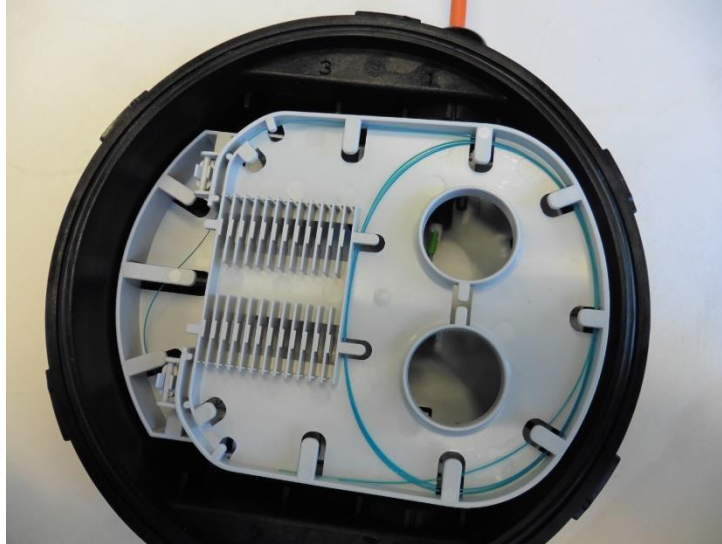
Step 16



- Bring the fibre(s) into the tray.

Closure Preparation and Cable Installation

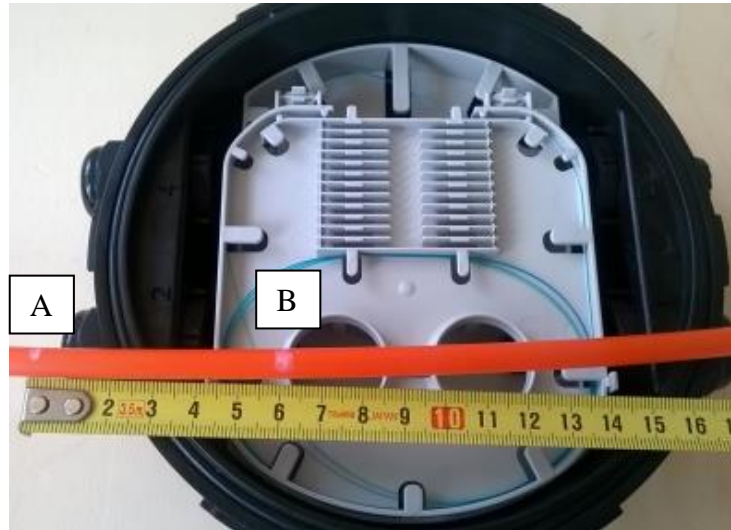
Step 17



- Rout fibre(s) inside the splice tray.
- Cable installation at Port 1 is completed.

Closure Preparation and Cable Installation

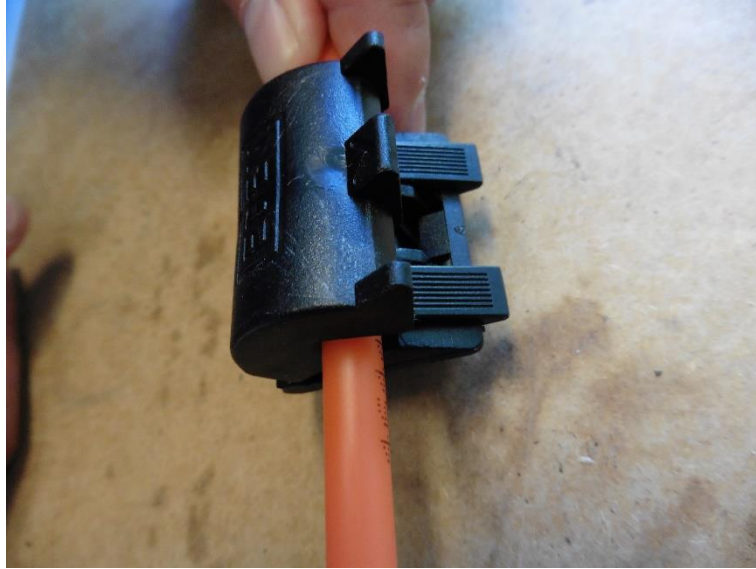
Step 18



- For cable at Port 2, determine the position where the duct should be installed. Make a marker at the position in line with the end of the gland (A).
- Make sure the total length from A to the end of the duct is at least 1.2 metres.
- Make a second marker 6 cm away to the direction of then end of the duct (B).
- Leave some slack length outside the closure so that the cable is not stretched.

Closure Preparation and Cable Installation

Step 19



- Remove the mini duct with an Eden tube cutter from the second marker.

Closure Preparation and Cable Installation

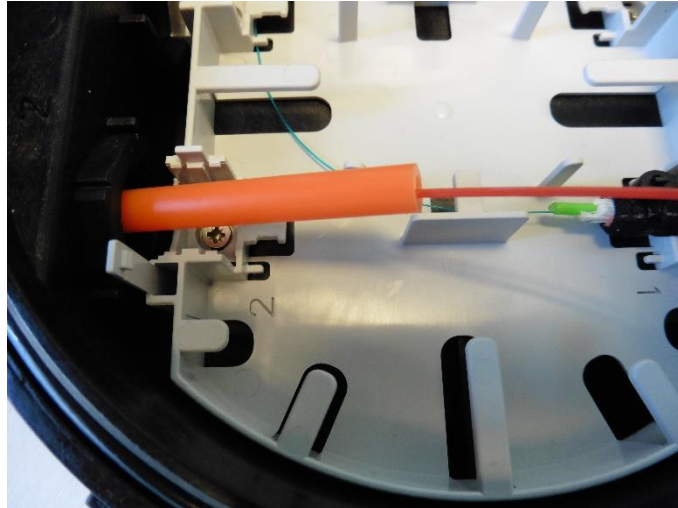
Step 20



- Make sure the end surface of micro duct is flat.

Closure Preparation and Cable Installation

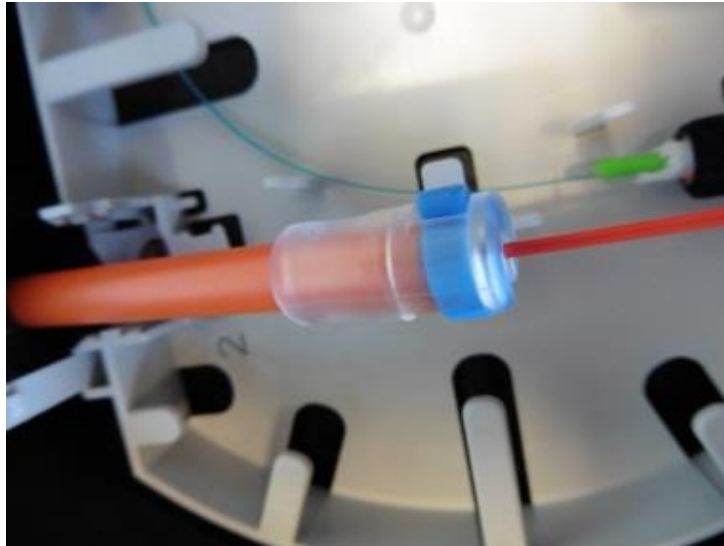
Step 21



- Carefully put the fibre element and mini duct into the closure through the gland.

Closure Preparation and Cable Installation

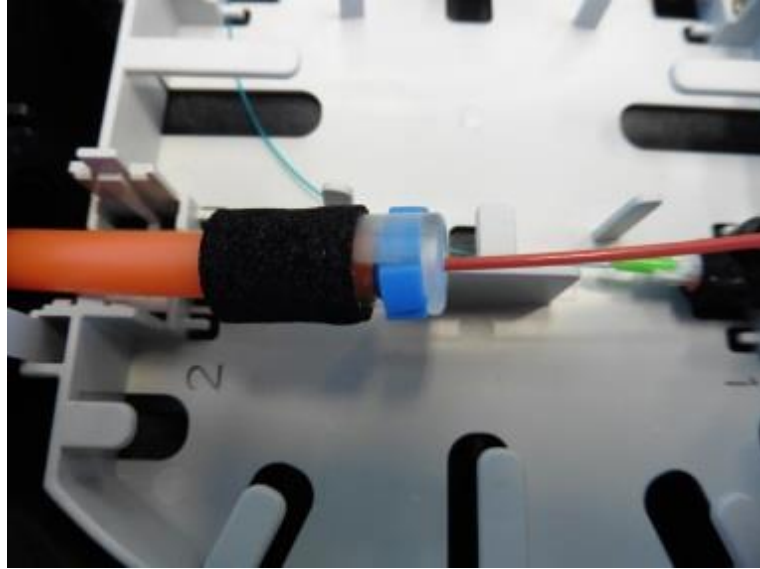
Step 22



- Mount the Miniduct Seal onto the mini duct following the installation instruction.

Closure Preparation and Cable Installation

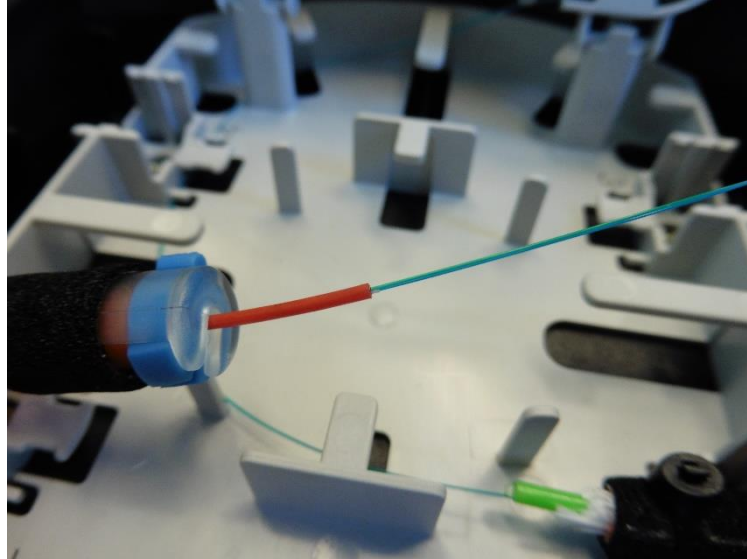
Step 23



- Wrap about one and half turns of foam tape around the Miniduct Seal.

Closure Preparation and Cable Installation

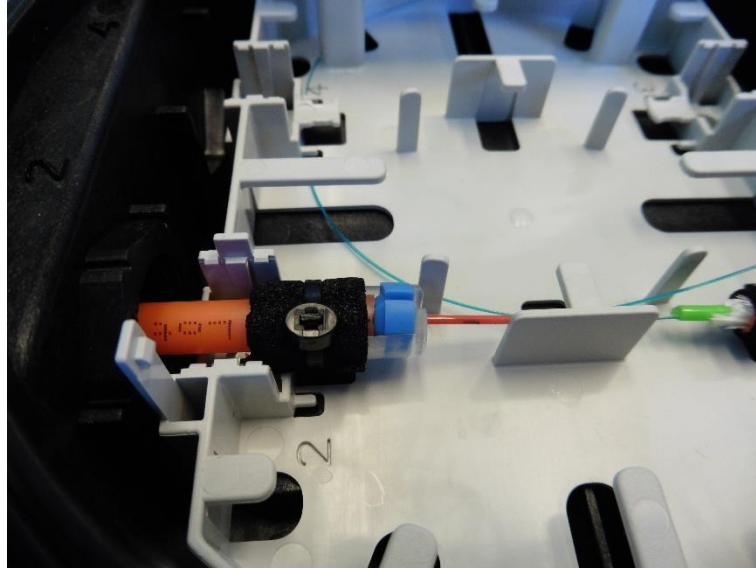
Step 24



- Strip the out sheath of the fibre element and clean the fibre(s).

Closure Preparation and Cable Installation

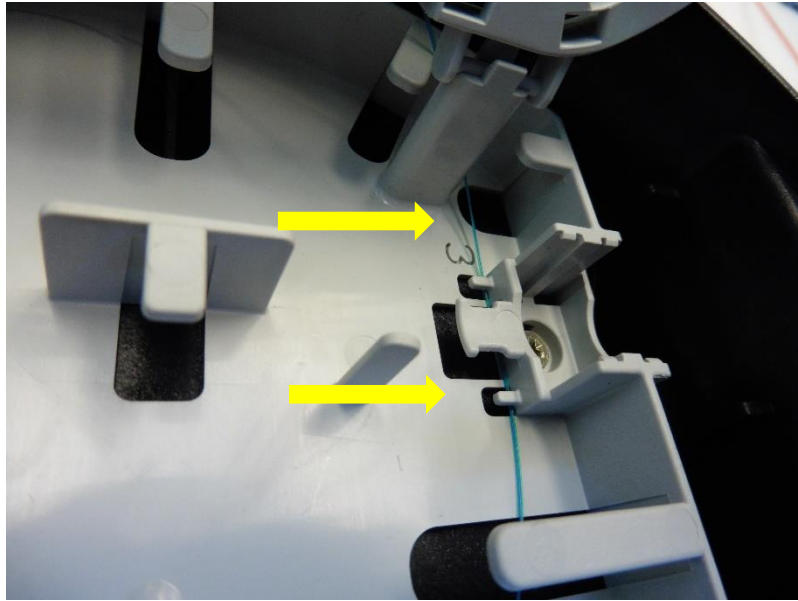
Step 25



- Fix the mini duct with a cable tie and secure with cable tie gun.
- Tighten the sealing nut of the gland.

Closure Preparation and Cable Installation

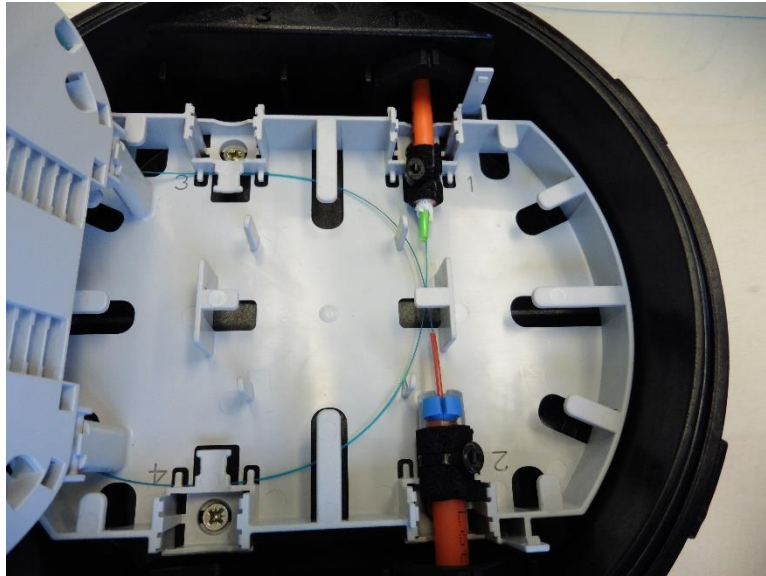
Step 26



- Rout the fibre(s) under the tabs at port 3(lower arrow) and behind the splice tray mounting support (upper arrow).

Closure Preparation and Cable Installation

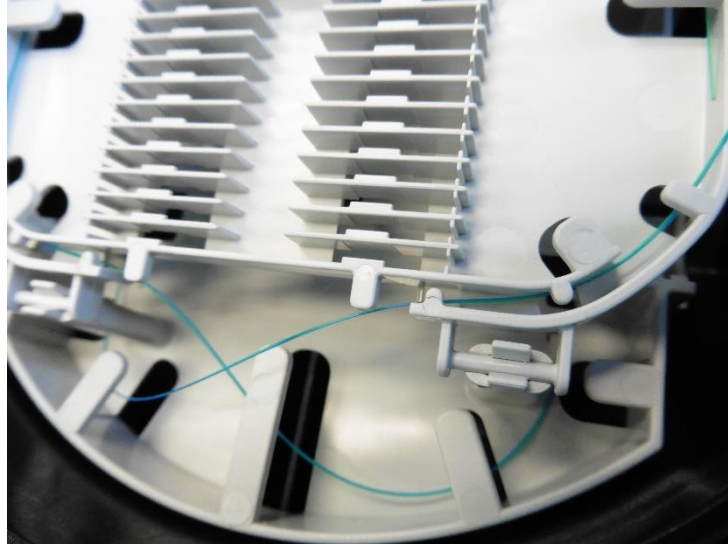
Step 27



- Make sure fibres are routed inside the management plate as shown in the photo.

Closure Preparation and Cable Installation

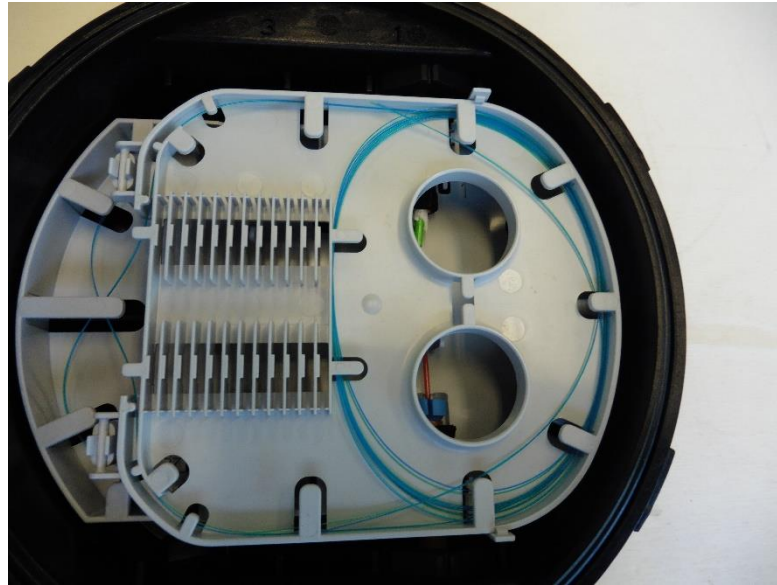
Step 28



- Bring fibre(s) into the tray.

Closure Preparation and Cable Installation

Step 29



- Rout fibre(s) inside the splice tray.
- Now it is ready for splicing or it can be left as it is for future splicing.

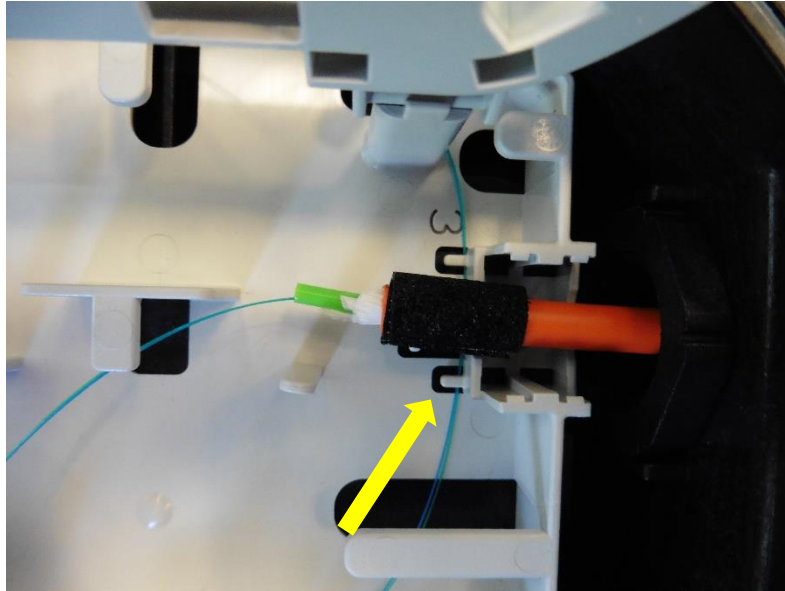
Closure Preparation and Cable Installation

Step 30

- To lock the closure, line up the line on the base with the unlock line on the cover.
- Push and twist the cover into position until the lock line on the cover is lined up with the line on the base.
- Check the cover is secured in position.
- The closure is now closed and sealed.

Routing of Fibres from Other Ports

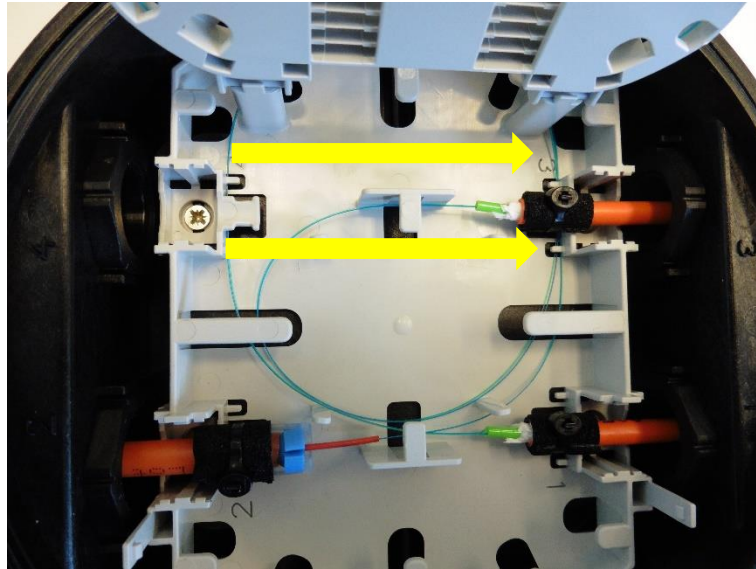
Step 31



- Following step 5 to step 14 to install cable at port 3.
- When route fibres inside the management plate, twist the fibres so that they can go under the cable and the tabs.

Routing of Fibres from Other Ports

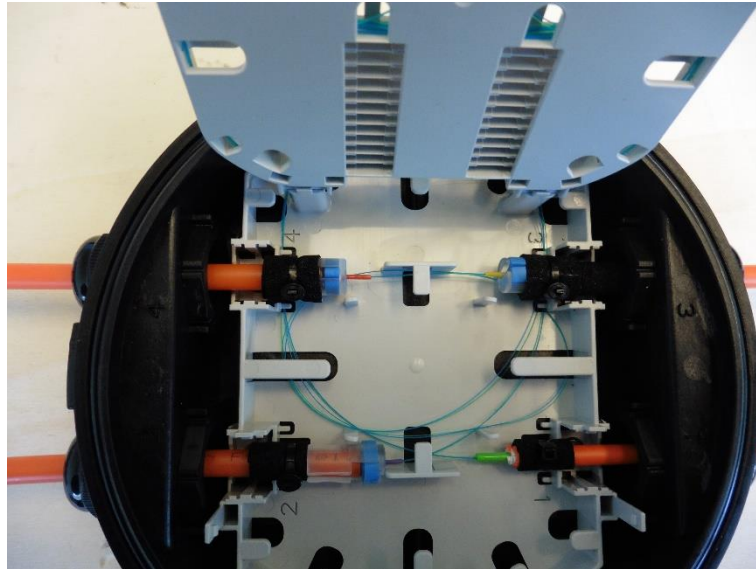
Step 32



- Rout fibres from port 3 inside the management plate as shown in the above photo.
- Make sure fibres are under the tabs (lower arrow) and behind the splice tray mounting support (upper arrow).

Routing of Fibres from Other Ports

Step 33



- If cable is installed at port, follow the same way for port 4.

Routing of Fibres from Other Ports

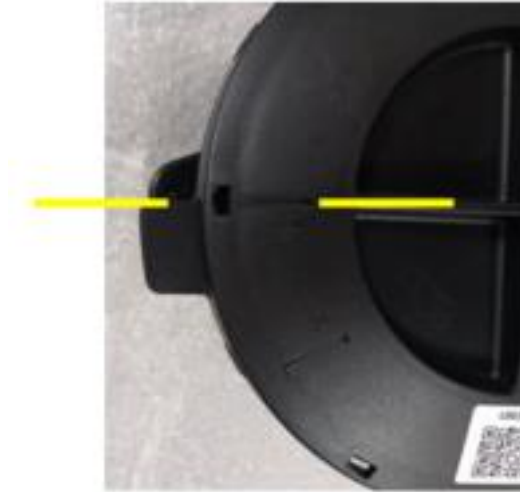
Step 34



- Route fibres inside the tray. Ready for splices.

Closure Closing

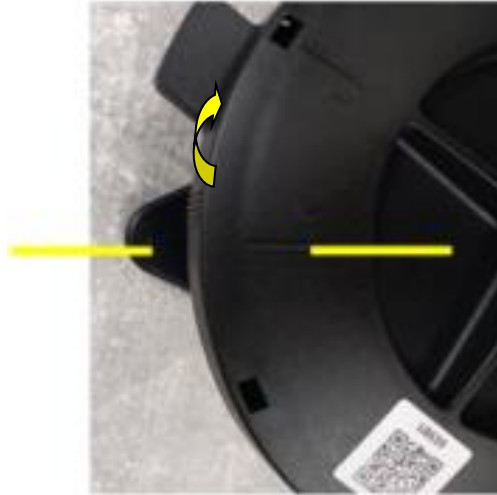
Step 1



- To lock the closure, line up the line on the base with the unlock line on the cover.

Closure Closing

Step 2



- Push and twist the cover clockwise into position until the lock line on the cover is lined up with the line on the base.

Closure Closing

Step 3



- Check the cover is secured in position by lifting the cover from the base. If the cover does not lift, the closure is secured.