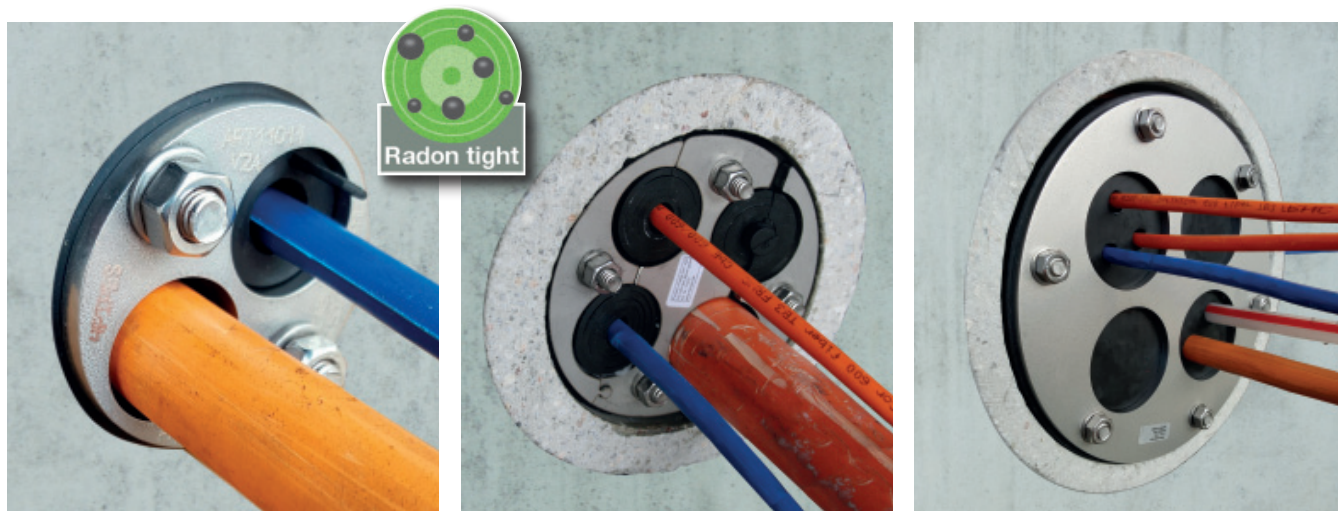




Pressio® 4 cables®
Wall-Penetration-Seals





Product information

The Pressio® Universal wall-penetration-seal 4 cables® is suitable as a **multiple seal** or a blind seal in wall-sleeves or core drilled holes.

The Pressio® Universal wall-penetration-seal 4 cables® is made as a secure seal protecting against high external water pressure for various **dimensions of cables or pipes** going through walls. The sealing range of the **four single outlets** for cables or pipes is flexible for diameters between **6 and 32 mm***. **Split rubber seals** in every individual outlet allow a flexible adjustment to the cable diameter and a retrofit application of the seal. The **special „puzzle“ closure** avoids an opening of the seal during the application.

Individual cable and pipe penetrations of these diameters can be done within a very short time.

Multiple and single penetrations are possible. The seal is manufactured from high class EPDM rubber with stainless steel pressure plates made to withstand high external water pressure. The rubber is especially soft (Shore A 45 ± 5) and elastic. The pressure plates of the seal are **split** to enable subsequent installation on a pre-installed pipe.

Pressio® Seals 4 cables® are available for core holes of 50, 80, 100, 125 and 150 mm.

The cut **plugs are in the seal** when supplied and can be compressed. A later use as a blind seal is therefore possible.

Wall sleeves made of fibre cement, plastic or steel are available for Pressio® Seals 4 cables®.

Advantages

- Easy feedthrough for multiple cables / carrier pipes in one core hole
- **Onion-ring inserts** for cables diameters of 6-50 mm*
- Split seal, quick and easy to apply with **snap-in** closure
- Reduces required stock level
- Safe, fast installation
- Rubber with **double sealing** surface outside
- Tight up to 1.5 bar of high external water pressure
- Extension rings can be used on the OD to enlarge the diameter for special casing-pipe IDs

* see exact sealing ranges of the versions

Technical data

Technical data	
Material pressure plate	V2A *
Bolts	V2A *
Nuts	V4A
Rubber thickness	40 mm
Rubber quality	EPDM 45 ±5 Shore A
Temperature resistance	-30°C to +120°C

* other qualities on request

Overview variants

4 cables® FIXED	4 cables® UNIVERSAL	4 cables® CUSTOM
Seal with common cable dimensions, drilled in, with blind plugs	Onion ring technology allows a seal for different cable diameters	Individual cable / pipe penetrations can be cut into the seals at short notice. Closed or split on request

Pressio® 4 cables® Wall-Penetration-Seals



Pressio® 4 cables® FIXED - fix sizes			
Ø in mm	Product		Art.-No.
50		Pressio® 4 cables® FIXED OD 50 mm / 2x 10-16 mm, split Pressure rating: 1.5 bar Supplied without blind plugs	11012
100		Pressio® 4 cables® FIXED OD 100 mm / Openings 8, 2x10, 12, 14, 16, 18 mm, closed or split Pressure rating: 1.5 bar Supplied incl. blind plugs	11010
100		Pressio 4® cables® FIXED OD 100 mm / 2x 40 mm and 2x 32 mm, split *a suitable Pressio® Reduction Inlay 40 mm to 32 mm is optional available Pressure rating: 1.5 bar Supplied without blind plugs	11017
100		Pressio 4® cables® FIXED OD 100 mm / 2x 40 mm and 2x 32 mm, split *a suitable Pressio® Reduction Inlay 40 mm to 32 mm is optional available Pressure rating: 1.5 bar For KG- and KG2000 pipe DN 100 Supplied without blind plugs	11018
		Pressio®-Reduction Inlay 40 mm to 32 mm *suitable for Pressio® sealings with ID 40 mm	08120
150		Pressio 4® cables® FIXED OD 150 mm / 3x 50 mm, closed Pressure rating: 1.0 bar Supplied without blind plugs	11080
150		Pressio 4® cables® FIXED OD 150 mm / 3x 50 mm, split Pressure rating: 1.0 bar Supplied without blind plugs	11081


Pressio® 4 cables® UNIVERSAL VA - Onion ring technology			
Ø in mm	Product		Art.-No.
50			11011
	Pressio® 4 cables® UNIVERSAL VA OD 50 mm / 2x 6-16 mm, closed Pressure rating: 1.5 bar Supplied incl. blind plugs		
100			10490
	Pressio® 4 cables® UNIVERSAL VA OD 100 mm / 18-65 mm, closed Possible cables-Ø: 18 up to 65 mm (in 5 mm steps per ring) Pressure rating: 1.5 bar Supplied incl. blind plug		
100			10499
	Pressio® 4 cables® UNIVERSAL VA OD 100 mm / 18-20, 25, 32, 40, 50, 63 mm, split Pressure rating: 1.5 bar Supplied incl. blind plug		
100			11020
	Pressio® 4 cables® UNIVERSAL VA OD 100 mm / 4x 6-30 mm, split, EPDM ID slats: 4x 6, 10, 14, 18, 22, 26, 30 mm (sealing range from 3.5 mm upward) Pressure rating: 1.0 bar Supplied incl. 4 pcs. blind plugs		
	Identical in construction, rubber NBR		11024
100			11021
	Pressio® 4 cables® UNIVERSAL VA OD 100 mm / 2x 6-32 mm, 2x 6-26 mm, split ID slats: 2x 6, 10, 14, 18, 22, 26, 30, 32 mm 2x 6, 10, 14, 18, 22, 26 mm (sealing range from 3.5 mm upward) Pressure rating: 1.0 bar Supplied incl. 4 pcs. blind plugs		
100			11014
	Pressio® 4 cables® UNIVERSAL VA OD 100 mm / 25-50 mm, 2x 6-16 mm, closed ID slats: 25, 30, 35, 40, 45, 50 mm 2x 10, 16 mm (sealing range from 6 mm upward) Pressure rating: 1.0 bar Supplied incl. blind plugs		

Pressio® 4 cables® UNIVERSAL VA - Onion ring technology			
Ø in mm	Product		Art.-No.
150	 	Pressio® 4 cables® UNIVERSAL VA OD 150 mm / 32, 40, 50, 63, 76, 90, 110 mm, closed Possible cables-Ø: 32, 40, 50, 60.3 up to 63 mm, 75 up to 76.1 mm, 88.9 up to 90 mm, 110 mm Pressure rating as blind closure: for low external water pressure Pressure rating with cable/carrier pipe: 1.0 bar Supplied incl. blind plug	10495
150		Pressio® 4 cables® UNIVERSAL VA OD 150 mm / 3x 25-50 mm, closed ID slats: each 25, 30, 35, 40, 45, 50 mm (sealing range from 22 mm upward) Pressure rating: 1.0 bar Supplied incl. blind plugs	11025
150		Pressio® 4 cables® UNIVERSAL VA OD 150 mm / 3x 25-50 mm, split ID slats: each 25, 30, 35, 40, 45, 50 mm (sealing range from 22 mm upward) Pressure rating: 1.0 bar Supplied incl. blind plugs	11026
150		Pressio® 4 cables® UNIVERSAL VA OD 150 mm / 7x 5-32 mm, split ID slats: each 5, 10, 15, 20, 25, 32 mm (sealing range from 3 mm upward) Pressure rating: 1.0 bar Supplied incl. blind plugs	11027
200	 	Pressio® 4 cables® UNIVERSAL VA OD 200 mm / 110, 125, 140, 160 mm, closed Possible cables-Ø: 110, 125 mm 139.7 up to 140 mm, 160 mm Pressure rating as blind closure: for low external water pressure Pressure rating with cable/carrier pipe: 1.0 bar Supplied incl. blind plug	10493
200		Pressio® 4 cables® UNIVERSAL VA OD 200 mm / 3x 25-50 mm, 4x 5-32 mm, split ID slats DN 50: each 25, 30, 35, 40, 45, 50 mm (sealing range from 22 mm upward) ID slats DN 32: each 5, 10, 15, 20, 25, 30 mm (sealing range from 3 mm upward) Pressure rating: 1.0 bar Supplied incl. blind plugs	11028

Pressio® Universal BlackLine Wall-Penetration-Seals with Onion Ring Technology



Pressio® UNIVERSAL BlackLine - Onion ring technology			
Ø in mm	Product		Art.-No.
100		Pressio® UNIVERSAL BlackLine OD 100 mm, split For carrier pipe OD: 18-20, 25, 32, 40, 50, 63 mm Pressure rating as blind closure: 1.5 bar Pressure rating with carrier pipe: 1.5 bar Supplied incl. blind plug	55499
150		Pressio® UNIVERSAL BlackLine OD 150 mm, split For carrier pipe OD: 32, 40, 50, 60.3 up to 63 mm, 75 up to 76.1 mm, 88.9 up to 90 mm, 110 mm Pressure rating as blind closure: for low external water pressure Pressure rating with carrier pipe: 0.5 bar Supplied incl. blind plug	55495
200		Pressio® UNIVERSAL BlackLine OD 200 mm, split For carrier pipe OD: 110, 125, 139.7 up to 140 mm, 160 mm Pressure rating as blind closure: for low external water pressure Pressure rating with carrier pipe: 0.5 bar Supplied incl. blind plug	55493
250		Pressio® UNIVERSAL BlackLine OD 250 mm, split For carrier pipe OD: 200 mm incl. reduction rings for pipe OD: 160, 180 mm Pressure rating as blind closure: for low external water pressure Pressure rating with carrier pipe: 0.5 bar Supplied incl. reduction rings (can be split) and PP blind plug	55496
300		Pressio® UNIVERSAL BlackLine OD 300 mm, split For carrier pipe OD: 250 mm incl. reduction rings for pipe OD: 200, 225 mm Pressure rating as blind closure: for low external water pressure Pressure rating with carrier pipe: 0.5 bar Supplied incl. reduction rings (can be split) and PP blind plug	55497

Pressio® 4 cables® FIXED BlackLine			
Ø in mm	Product		Art.-No.
100		Pressio® 4 cables® FIXED BlackLine OD 100 mm/ openings 8, 2x10, 12, 14, 16, 18 mm, closed or split Pressure rating: 1.5 bar Supplied incl. blind plugs	55010

Pressio® 4 cables® CUSTOM - drilled outlets			
Ø in mm	Product		Art.-No.
50	 <p>The seal will be custom drilled. Please order the seal with information about exact cable diameters and quantity of cables.</p>	Pressio® 4 cables® CUSTOM OD 50 mm, closed or split (Price incl. 2 outlets) ID-pressure plate: 22 mm Possible cables-Ø: 2 up to 19 mm Pressure rating: 1.5 bar Please specify when ordering: - closed or split - Cable / carrier pipe diameter	11000
70		Pressio® 4 cables® CUSTOM OD 70 mm, closed or split (Price incl. 2 outlets) ID-pressure plate: 43 mm Possible cables-Ø: 2 up to 40 mm Pressure rating: 1.5 bar Please specify when ordering: - closed or split - Cable / carrier pipe diameter	11005
80		Pressio® 4 cables® CUSTOM OD 80 mm, closed or split (Price incl. 2 outlets) ID-pressure plate: 43 mm Possible cables-Ø: 2 up to 40 mm Pressure rating: 1.5 bar Please specify when ordering: - closed or split - Cable / carrier pipe diameter	11001
100		Pressio® 4 cables® CUSTOM OD 100 mm, closed or split (Price incl. 2 outlets) ID-pressure plate: 66 mm Possible cables-Ø: 2 up to 50 mm Pressure rating: 1.5 bar Please specify when ordering: - closed or split - Cable / carrier pipe diameter	11002
125		Pressio® 4 cables® CUSTOM OD 125 mm, closed or split (Price incl. 2 outlets) ID-pressure plate: 82 mm Possible cables-Ø: 2 up to 63 mm Pressure rating: 1.5 bar Please specify when ordering: - closed or split - Cable / carrier pipe diameter	11003
150	 <p>Pressio® 4 cables® CUSTOM installation example</p> <p>The cut-out plugs remain in the seal and can be used as blind plugs. A later assignment of the blind plug is possible.</p>	Pressio® 4 cables® CUSTOM OD 150 mm, closed or split (Price incl. 2 outlets) ID-pressure plate: 112 mm Possible cables-Ø: 2 up to 63 mm Pressure rating: 1.5 bar Please specify when ordering: - closed or split - Cable / carrier pipe diameter	11004

Pressio® 4 cables® CUSTOM - drilled outlets		
Ø in mm	Product	Art.-No.
200	  <p>Pressio® 4 cables® CUSTOM OD 200 mm, closed (Price incl. 2 outlets)</p> <p>ID-pressure plate: 2x 56 mm, 2x 70 mm Possible cables-Ø: 2x 2 up to 50 mm 2x 2 up to 63 mm Pressure rating: 1.5 bar</p> <p>Please specify when ordering: - Cable / carrier pipe diameter</p>	11006
each additional drilled outlet		11015

Attention:

- A core drilled hole can be coated with our **epoxy-resin (Art.-No. 13099)** to protect the concrete and smoothen over any holes or scratches.
- Cables/carrier pipes should be supported.
- **4 pipes lubricant (Art.-No. 09599)** helps sliding the seal over the cables and carrier pipes.



If necessary, leave the blind plug in the gasket

Pressio® 4 cables® Wall-Penetration-Seals



Application

1. Clean wall-sleeve/core-drilled hole.
2. Check the given casing / core diameter and cable/pipe diameter with the information on the seal.
3. Count the rubber blades to be cut out according to the actual cable/pipe diameter.
4. Cut out the necessary number of rubber blades with a sharp knife.
5. Place the nut - side of the seal on the inside of the building to allow a potential retightening.
6. Insert cables, close the seal and push it into the wall opening.
7. Tighten the nuts (M6) with a torque wrench, **maximum 5 Nm**. (It might be necessary to retighten the system after approx. two hours).
Tighten the nuts one after the other in a clockwise direction, several rounds with approx. three turns per nut, until the torque is reached.



Application video

Attention:

- A core drilled hole can be painted with Epoxy-resin-4 pipes to protect the concrete and smoothen over any holes or scratches.
- Cables/pipes should be supported
- If necessary, leave the blind plug in the seal
- **4 pipes lubricant (Art.-No. 09599)** helps sliding the seal over the cables and pipes

