

Sealing for wall penetrations of gas, water, sewage pipes, and cables against pressing and non-pressing water

## Compakt SEAL



Building  
construction



Civil  
engineering



Water



HVAC



Energy



Oil



Gas



District  
Heating



Industry



## TYPE SELECTION



Compakt **Solo** - closed  
Compakt **Solo** - split

### Fields of application

Ideal sealing of wall penetrations for gas, water, sewage pipes and cables.

### Material

EPDM-Rubber; Shore A 43° ±5; Pressure plates V2A; Rubber thickness 40 mm;  
NBR-Rubber; Shore A 40° ±5

### Properties

Temperature range EPDM -30 °C to 120 °C; UV-resistant; pressure-tight up to 3.0 bar, with an ejection safety device up to 5.0 bar; temperature range NBR -30 °C to 70 °C; not UV-resistant

### Sizes

Core drillings 50 to 400 mm



Compakt **Super Soft** - closed

### Fields of application

Reliable sealing of wall penetrations for flexible, corrugated pipes, and cables

### Material

EPDM-Rubber; Shore A 35° ±5; pressure plates V2A;  
rubber thickness 2 x 40 mm

### Propertie

Temperature range -30 °C to 120 °C; UV-resistant; pressure-tight up to 1 bar; highly flexible rubber

### Sizes

Core drillings 100 to 250 mm



### Compakt **Temp** - closed

#### **Fields of application**

Suitable sealing of wall penetrations for pre-insulated pipes, especially applicable for district heating / district cooling.

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#### **Material**

EPDM-Rubber; Shore A 43° ±5; pressure plates V2A; rubber thickness 2 x 40 mm

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#### **Properties**

Temperature range -30 °C to 120 °C; UV-resistant; pressure-tight up to 3.0 bar, with an ejection safety device up to 5.0 bar

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#### **Sizes**

Core drillings 70 to 400 mm



### Compakt **Blind** - closed

#### **Fields of application**

Using as a blind plug.

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#### **Material**

EPDM-Rubber; Shore A 43° ±5; pressure plates V2A; rubber thickness 40 mm

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#### **Properties**

Temperature range -30 °C to 120 °C; UV-resistant; pressure-tight up to 1.5 bar

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#### **Sizes**

Core drillings 50 to 300 mm



Compakt **Varia** - closed  
Compakt **Varia** - split

**Fields of application**

Sealing of wall penetrations for gas, water, sewage pipes and cables against pressing and non-pressing water. Various diameters can be sealed using the onion ring technique.

**Material**

EPDM-Rubber; Shore A 43° ±5; thread Sizes M6 (for Varia 200 M8); pressure plates stainless steel; rubber thickness 40 mm

**Properties**

Temperature range -30 °C to 120 °C; UV-resistant;  
Closed version: Tightness as temporary blind plug or as single lead-through up to 1,5 bar;  
Split version: ND 100 up to 1.0 bar

**Sizes**

Core drillings 80 to 200 mm



Compakt **Varia LWL** - closed

**Fields of application**

Sealing of wall penetrations for gas, water, sewage pipes. Designed with additional holes (10/14 mm) in the pressure plate for e.g. fiber optic cables (7-14 mm). Various diameters can be sealed using the onion ring technique.

**Material**

EPDM-Rubber; Shore A 43° ±5; pressure plates V2A; rubber thickness 40 mm

**Properties**

Temperature range -30 °C to 120 °C; UV-resistant; tightness- as blind plug or as single lead through up to 1.0 bar

**Sizes**

Core drillings 100 mm



### Compakt **Multicable** - flex/fix

#### **Fields of application**

Multiple lead-through for small pipe diameters, hoses and cables. Split version is suitable for retrofitting.

#### **Material**

EPDM or NBR-Rubber; Shore A 43° ±5; pressure plates split V2A/V4A; rubber thickness 40 mm

#### **Properties**

Temperature range: EPDM -30 °C to 120 °C; NBR -30 °C to 70 °C; pressure-tight up to 1.0 bar; EPDM UV-resistant; NBR not UV-resistant

#### **Sizes**

Core drillings 50 to 150 mm



### Compakt **Varia Multi** - split

#### **Fields of application**

Ideal sealing of wall penetrations for gas, water, sewage pipes, and cables against pressing and non-pressing Water. With the onion ring plug multiple diameter can be sealed.

#### **Material**

EPDM-Rubber; Shore A 43 ±5°; pressure plates V2A; rubber thickness 40 mm

#### **Properties**

Temperature Range -30 °C bis +120 °C; UV-resistant; pressure tight against pressing und non-pressing water up to approx 1,5 bar; protection against soil moisture and dirt

#### **Sizes**

Core drillings 100 to 200 mm



### Compakt **Mono** - closed

#### **Fields of application**

Sealing of wall penetrations with gas, water, sewage pipes made of PE-HD pipes with standard dimensions against non-pressing water, such as non-accumulating seepage water.

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#### **Material**

EPDM-Rubber; Shore A 43 ±5°; pressure plates V2A; rubber thickness 20 mm

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#### **Properties**

Temperature Range -30 °C bis +120 °C; UV-resistant; pressure tight against non-pressing water up to approx 0,3 bar; protection against soil moisture and dirt

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#### **Sizes**

Core drillings 80 to 150 mm



### Compakt **Mono Blind** - closed

#### **Fields of application**

Sealing of unoccupied wall penetrations as a blind closure.

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#### **Material**

EPDM-Rubber; Shore A 43 ±5°; pressure plates V2A; rubber thickness 20 mm

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#### **Properties**

Temperature Range -30 °C bis +120 °C; UV-resistant; pressure tight against non-pressing water up to approx 0,3 bar; protection against soil moisture and dirt.

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#### **Sizes**

Core drillings 80 to 200 mm





Compakt **Combi** – galvanized Compakt  
Compakt **Combi** - stainless steel

**Fields of application**

For pipe and cable penetration in accordance with DIN 18533, for constructions with sealing sheets (black tank). Seal with fixed loose flange for dowelling on concrete walls or masonry walls.

**Material**

EPDM-Rubber; galvanized steel;  
stainless steel (1.4301); V4A on request

**Properties**

Seal: Temperature range -30 °C to 100 °C; UV-resistant; annular space seal pressure-tight up to 5 bar steel parts galvanized, alternatively also in stainless steel

**Sizes**

Core drillings 80 to 1000 mm



Compakt **Duo** - closed

**Fields of application**

Double sealing of wall penetrations with gas, water, sewage pipes and cables against pressing and non-pressing water; The advantage here is sealing of the building inside and outside as a single sealing system

**Material**

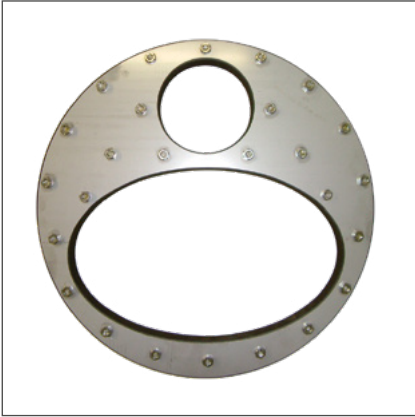
EPDM-Rubber; NBR-Rubber (on request);  
Shore EPDM Standard A 50° ±5; pressure plates V2A (V4A on request);  
rubber thickness 40 mm each

**Properties**

Temperature range: EPDM -30 °C to 120 °C; NBR -30 °C to 70 °C;  
EPDM UV-resistant; NBR not UV-resistant; pressure-tight up to 5 bar

**Sizes**

Core drillings 80 to 100 mm



Compakt **SpeX** - closed  
Compakt **SpeX** - split

**Fields of application**

Made upon customer request/specification. Here, almost all versions are possible: Oval pipes, square recesses, eccentric positioning, lead-throughs of several pipes or cables either as split or closed version. Suitable sealing of wall penetrations for pre-insulated or flexible pipes, especially applicable for district heating / district cooling.

Also available for use in drinking water systems on request.

**Material**

Rubber: EPDM; NBR; rubber thickness: up to DN 800 = 30 mm; from DN 800 = 2x30 mm; Shore A: EPDM 50° ±5; NBR 60° ±5; Pressure plates: V2A / 1.4301;

Also available in V4A or in rubber thickness 40 mm on request.

**Properties**

Temperature range: EPDM -30 °C to +100 °C; NBR -30 °C to +70 °C; pressure-tight up to 2.5 bar with 1x30 mm rubber and up to 5 bar with 2x30 mm rubber

**Sizes**

On request



Compakt **Solution** - Standard  
Compakt **Solution** - Water chamber

**Fields of application**

Medium-carrying, pressure-tight wall penetration especially for drinking water tanks at building entry with integrated ejection safety device.

**Material**

EPDM-Rubber; pressure plates V4A; rubber thickness 3x40mm

**Properties**

Pressure ratings from PN 6/10 to 10/16; UV-resistant; flange connection of the sleeve as required pressure-tight up to 5 bar; ISO pipe series 1

**Sizes**

Nominal diameter from ND 65 to ND 500





AVAILABLE ONLINE | [WWW.PSI-PRODUCTS.COM](http://WWW.PSI-PRODUCTS.COM)



**Product data sheet**



**Installation**



**Installation video I**



**Installation video II**



**Tender text**



**Type selection**



**Accessories**



**Certificates**



## PRODUCT INFORMATION

### Properties General

- Special applications for different pipe systems
- Consist of stainless steel pressure plate
- All Compakt Solo split versions are foldable

### Properties Compakt Super Soft

- Double rubber sealing rings made of extra soft EPDM
- Reliable sealing even for thin-walled pipe types
- Specially developed for wall penetrations of flexible, corrugated pipes, and cables

### Fields of application

- Sealing for wall penetrations of gas, water, sewage pipes and cables
- Against pressing and non-pressing water

### Description

The rubber element is compressed by means of two metal discs. The Compakt seals the annular space between carrier pipe and casing pipe/core hole against water and gas.

### Notes

- Compakt seals are not an anchoring point.
- The carrier pipes must be centered and supported.
- A coating system should be used for the core drilling to create a smooth surface and to seal the concrete.
- For long clamping distances, additional hexagonal socket wrenches in a longer design are required.
- The specified values for pressure tightness are valid at 23 °C. For other, especially higher continuous operating temperatures, changing temperatures and permanent pressures, an ejection safety device must be fitted; this also applies to annular spaces larger than 100 mm.
- Please be sure to ask us in advance about the technical feasibility of planned applications for which there is no description (e.g. applications in the biogas or food industry).

The purchaser bears the sole risk for use in fields of applications not described, we do not accept any guarantee for the suitability of the product.



## TECHNICAL INFORMATION

### Compakt Multicable

The configuration of the lead-throughs of pipes/cables with an outer diameter from 4 to 32; 40 or 50 mm can be chosen freely. The sealing is pressure-tight up to 1 bar. Split version is suitable for retrofitting. For each opening we deliver blind plugs which can be taken out when inserting the pipe/ cable, so that unused openings remain sealed pressure-tight with a blind plug. Therefore, it is also possible to install other pipes and cables later. For the installation no special tools beside a torque wrench are required.



### Compakt Solution<sup>®</sup>

- By means of the fixture plate the forces are transmitted to the masonry. The seal is thus decoupled and a movement of it, is therefore impossible.
- This prevents the seal from shifting. At the same time, this also covers the core hole.
- Tensile strength connection (respectively integrated shear protection of the wall duct)!
- Adjustable sealing element. Re-tightening from outside the water chamber is possible at any time



### Additional at WC:

- Flush finish inside the water chamber. No creation of dead space, thus microbacterially uncritical. Subsequent tightening of the seal from outside the water chamber is possible at any time.
- Concentric installation is ensured by integrated centering bolts.
- A complex core hole coating can be omitted.

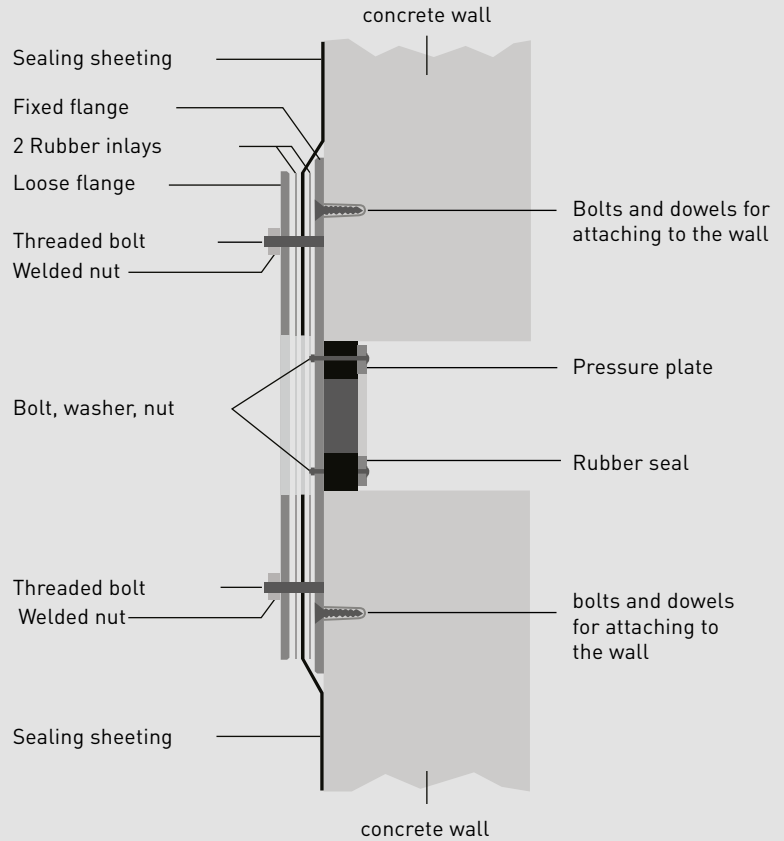


### Kompakt Combi

For constructions with sealing sheets or wall sleeves with fixed loose flanges are required to be in accordance with DIN 18533. A distinction is made here between non-pressing and pressing water.

#### Sectional view

A seal with fixed loose flange according to DIN 18533, steel parts galvanized, alternatively\* stainless steel



### SUITABLE ACCESSORIES

#### ProteX Core Hole Sealing



#### PipeX Wall Sleeves





## CERTIFICATES

To offer our customers the best possible quality and service, we are organized according to DIN EN ISO 9001:2015 and have this continuously checked and certified.

### **CERTIFICATE ISO 9001:2015**

This certification documents our conformity of the quality management system

### **AEO-CERTIFICATE**

Authorized Economic Operator "AEOC (customs simplification)"

## COMPAKT SEAL



- MFPA pressure test: Solo; Combi
- SKZ pressure test: Varia
- Radon tight: Audit report Dr. Joachim Kemski
- FHRK quality seal: FHRK test specification GE 101 Compakt seals

[Test report no. G 30 322-6-1], closed version Compakt Solo / Compakt Temp / Compakt Super Soft / Compakt with oversized flange / Compakt Multicable / Compakt Varia / Compakt Blind / Compakt SpeX / Compakt Combi

Drinking water applications:

- Material EPDM: Material testing DVGW W270; UBA ELL