



Pipeline Accessories

Wall Collar  
4 pipes



# Wall Collar 4 pipes



## A secure hydrostatic wall penetration seal



### Product information

Wall collars serve as a water barrier for pipelines within the wall, especially for wall penetrations where carrier pipes or wall sleeves are directly cast into the concrete. Pressure tight up to 5.0 bar. The required concrete cover of the wall collar is to be considered depending on the concrete quality. We recommend a coverage of min. 40 mm for waterproof concrete.

### Usage

Hydrostatic sealing of pipelines at wall penetrations

- for penetration of various pipe types (copper, steel, cast iron, plastic, fibre cement, concrete, stoneware) through foundations, ceilings, walls and floors
- manhole entering
- swimming pools
- underground tanks

Wall collars are used when the retrofit application of a wall sleeve or core hole is not possible and no adjustable seal makes sense.

### Advantages

- Fast mounting
- Secure water stop up to 5 bar
- Usable for various pipe materials
- Usable for different constructions
- Radon tight

### Rubber features

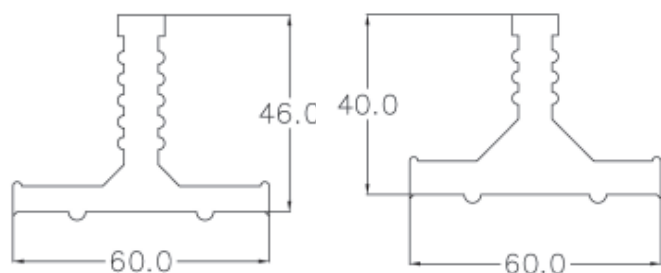
Service temperature	75 °C max.
Minimum temperature	- 40 °C
Elongation at break	500%
Hardness Shore A	45 ±5 Shore A
Tensile strength	9.5 N/mm2

### Application instructions

1. Clean pipe surface which has to be set in concrete
2. Put wall collar on the carrier pipe
3. Push wall collar up to the middle of the wall
4. Fix steel straps on both sides around the wall collar

OD 8 mm up to incl. 630 Ø

≥ OD 630 Ø



## Wall Collar 4 pipes

OD Pipe in mm	Range		packaging unit	Art.-No.
	from pipe-OD	to pipe-OD		
20 / 25	18	25	100	12838
32	29	32	100	12800
40	38	42	100	12801
50	48	53	75	12802
63	60	64	70	12803
75	71	80	50	12804
90	84	92	40	12805
100	95	105	30	12839
110	108	116	30	12806
125	120	130	25	12807
140	135	148	25	12808
160	154	166	15	12809
170	166	171	15	12850
180	175	190	15	12810
200	195	210	10	12811
225	215	230	10	12812

OD Pipe in mm	Range		packaging unit	Art.-No.
	from pipe-OD	to pipe-OD		
250	245	260	10	12813
280	275	290	10	12814
315	310	327	10	12815
355	350	365	-	12816
400	395	410	-	12817
450	440	460	-	12818
500	495	515	-	12819
560	555	580	-	12820
630	625	650	-	12821
710	705	735	-	12822
800	795	830	-	12823
900	895	930	-	12824
1000	995	1030	-	12825
1200	1195	1240	-	12826
1400	1395	1450	-	12827

Other dimensions on request

### Wall collar for lightning protection systems



#### Product information

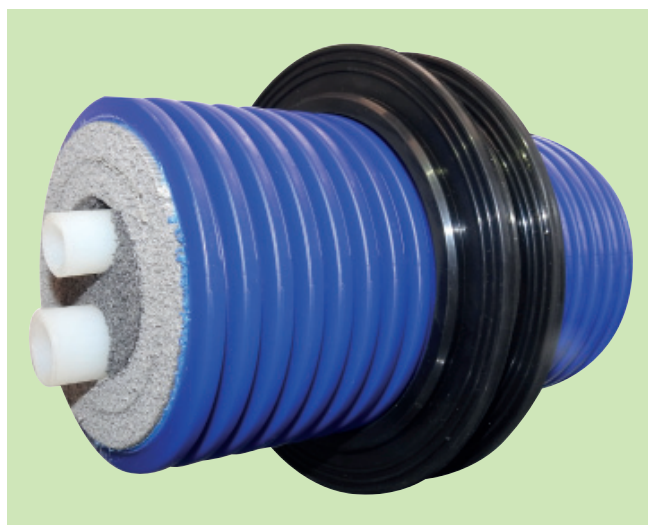
The **lightning protection wall collar** type flat steel strip and type steel wire serve as a water barrier within the grounding.

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user.

OD in mm	Range		Art.-No.
	from OD	to OD	
8	7	10	12835
12	10	14	12836
30 x 3	30 x 2	30 x 5	12837



# Double Wall Collar XL 4 pipes



## Product information

Double Wall Collars XL 4 pipes serve as a water barrier for pipelines within the wall, especially for wall penetrations where carrier pipes or wall sleeves are directly cast into the concrete. Wall collars are used when the retrofit application of a wall sleeve or core hole is not possible and no adjustable seal makes sense. The required concrete cover of the wall collar is to be considered depending on the concrete quality. We recommend a coverage of min. 40 mm for waterproof concrete.

## Application

The dimensions of the Double Wall Collar XL 4 pipes are made for plastic and **flexible corrugated plastic pipes**. Hydrostatic sealing of pipeline wall and baseplate penetrations especially in concrete.

## Advantages

- **Double sealing** collar
- Fast mounting with **only one steel strap**
- Secure water stop according to the W2-E standard (DIN 18533-1)
- Radon tight
- Usable for various pipe materials
- ideal for corrugated pipe due to broad structural shape and **sturdy rubber base** which does not slip between two corrugations
- Easy mounting due to soft rubber compound
- High quality EPDM rubber
- Stainless steel fastening strap

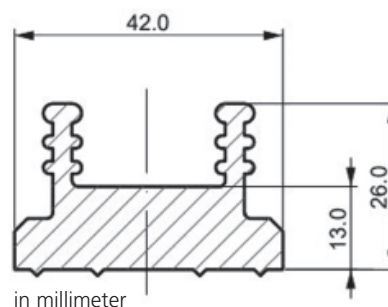
### EPDM Rubber features

Service temperature	120 °C max.
Minimum temperature	- 40 °C
Elongation at break	min. 500%
Hardness	45 ± 5 Shore A

The 4 pipes warranty only applies to faulty material. Checking the suitability of the product for the individual application is solely the responsibility of the user.

## Application instructions

1. Clean pipe surface which has to be cast in concrete
2. Put wall collar on the carrier pipe
3. Push wall collar up to the middle of the wall / baseplate
4. Fix steel strap around the wall collar
5. Cast into concrete in a professional way



Type	OD wall collar	Art.-No.
Wall collar XL EPDM for OD 50 mm	102 mm	12773
Wall collar XL EPDM for OD 75 mm	127 mm	12775
Wall collar XL EPDM for OD 100 mm	152 mm	12777
Wall collar XL EPDM for OD 110 mm	162 mm	12778
Wall collar XL EPDM for OD 125 mm	177 mm	12779
Wall collar XL EPDM for OD 150 mm	202 mm	12782
Wall collar XL EPDM for OD 160 mm	212 mm	12783
Wall collar XL EPDM for OD 175 mm	227 mm	12784
Wall collar XL EPDM for OD 200 mm	252 mm	12785
Wall collar XL EPDM for OD 250 mm	302 mm	12787

5% expandable, Special dimensions on request

## Certificate Wall Collar 4 pipes

# MFPA Leipzig GmbH

Testing, Monitoring and Certification Office for  
Construction Materials, Products and Systems  
Building Division V – Civil and Underground Engineering  
Prof. Dr.-Ing. Gert Sasse  
Work Group 5.1 – Structural Sealing

## Investigation Report UB 5.1/12-515-1

dated January 8, 2013

1<sup>st</sup> copy

**Object:** 110 Wall Collar -  
Testing Sealing When Installed

**Client:** 4 pipes GmbH  
Sigmundstraße 182  
90431 Nürnberg

**Receipt of samples:** September 18, 2012

**Sample receipt number:** 381-2 and 381-5

**Testing period:** October to December 2012

**Officer in charge:** Dipl.-Ing. Jöling

This document consists of 3 pages and one annex.

5 bar


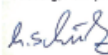
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Test laboratory accredited by DAkkS GmbH according to DIN EN ISO/IEC 17025. The accreditation applies to the test methods listed in the certificate (attached to this document). The certificate can be seen under [www.mfpa-leipzig.de](http://www.mfpa-leipzig.de).

Responsible for Manufacturing and Engineering for the Business Leipzig and MFPA Leipzig GmbH

**Site:** Hauptstraße 3b - 04119 Leipzig Germany  
**Managing director:** Prof. Dr.-Ing. Gert Sasse  
**Commercial no.:** Courts court of Leipzig HRB 17738  
**Tel.:** DE 31202649  
+49 (0) 341 - 8562-0  
+49 (0) 341 - 8562-109  
**Fax:**

<h1>IAF - Radioökologie GmbH</h1>		
<p>Radionuclide Laboratory   Radiation Safety   Radiological Consultants</p>		
<p align="center"><b>Determination of the Radon Diffusion Coefficient and Radon Diffusion Length of a Wall Collar</b></p>		
Client:	4 pipes GmbH Sigmundstraße 182 90431 Nürnberg	
Project:	Determination of the Radon Diffusion Coefficient and Radon Diffusion Length of a Wall Collar	
Project number:	210426-08	
Contractor:	IAF-Radioökologie GmbH	
Prepared by:	Dipl.-Ing. (BA) R. Baument	
<div align="center">  </div>		
<p>Radeberg, 26. April 2021</p> <div align="center">  </div> <p>Dr. rer. nat. habil. Hartmut Schulz Managing Director</p>		
Wilhelm-Rönsch-Str. 9 01464 Radeberg Fon +49 (0) 3528 48730-0 Fax +49 (0) 3528 48730-22 E-Mail info@iaf-dresden.de	Managing Directors: Dr. rer. nat. habil. Hartmut Schulz Dr. rer. nat. Christian Kuntze Dipl.-Ing. (BA) Rens Baument Trade register: HRB 9165 Register court: Dresden	Bank account: HypoVereinsbank Dresden IBAN: DE25 2512 0510 0000 1794 29 SWIFT (BIC): HYVDE333

		<b>MFA Leipzig GmbH</b> Gesellschaft für Materialforschung und Prüfungsanfertigung für das Bauwesen Leipzig GmbH	
		Testing, verification and certification body for construction materials, products and systems Accredited under Data Building Regulation (DABDG), notified according to Construction Product Regulation (CEI 2002)	
<b>Test report no. PB 5.1/21-354-1</b>			
dated 31 May 2022 1st copy			
<b>Subject:</b>		Double Wall Collar XL - testing of permeability in the installed condition	
<b>Client:</b>		4pipes GmbH Sigmundstrasse 182 90431 Nuremberg Germany	
<b>Processing period:</b>		October 2021 – May 2022	
<b>Receipt of sample:</b>		4084 and 4085 on 15/12/2021	
<b>Person responsible:</b>		B. Eng. L. Radtke	
This document comprises 3 pages and 1 annex.			
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MFA Leipzig GmbH Empfangsstraße 1, 04109 Leipzig / Sachsen Postfach Leipzig 02 04109 Leipzig, Germany Tel.: +49 (0) 341-6362-0 Fax: +49 (0) 341-6362-100		www.mfaleipzig.de kontakt@mfa-leipzig.de Bank details: BIC: MFLA3333 IBAN: 044 1000 000 000 000 000 0 BIC: MFLA3333	
		Managing Director: Dr.-Ing. Gerd-Ing. Radtke Commercial register: Amtsgericht Leipzig, Local Court 408 1716 HRG No. 32 1933644 Tax No. 232/09009	
		 <b>IPBL</b> <b>SACHSEN</b> Institut für Bauteileprüfung Leipzig GmbH	

<h1>IAF - Radioökologie GmbH</h1> <p>Radionuclide Laboratory   Radiation Safety   Radiological Consultants</p>	
<p align="center"><b>Determination of the Radon Diffusion Coefficient and Radon Diffusion Length of a Wall Collar XL</b></p>	
Client:	4 pipes GmbH Sigmundstraße 182 90431 Nürnberg
Project:	Determination of the Radon Diffusion Coefficient and Radon Diffusion Length of a Wall Collar XL
Project number:	210729-12
Contractor:	IAF-Radioökologie GmbH
Prepared by:	Dipl.-Ing. (BA) R. Baumert
<div align="center">   <p>The accreditation is valid for the measurement results of the radon concentration indoors (DIN EN 153, DIN EN 157). The assessment results are based on the measurement results.</p> </div>	
<p>Radeberg, 29. July 2021</p> <p><i>h. schütz</i></p> <p>Dr. rer. nat. habil. Hartmut Schütz Managing Director</p> <p>Wilhelm-Röntgen-Str. 9 01454 Radeberg Fon +49 (0) 3529 46730-0 Fax +49 (0) 3528 48730-22 E-Mail <a href="mailto:info@iaf-dresden.de">info@iaf-dresden.de</a></p>	
Managing Director:	Dr. rer. nat. habil. Hartmut Schütz Dr. rer. nat. Christian Koenig Dipl.-Ing. (BA) Ralf Baumert Trade register: HRB 9185 Register court: Dresden
Bank account:	HypoVereinsbank Dresden IBAN: DE32 8502 0096 5300 1794 29 SWIFT (BIC): HYVEDE33HAN66

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