



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 at wall penetrations where medium pipes or wall-sleeves are directly cast into the concrete.

Usage

Hydrostatic sealing of pipelines wall penetrations

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

Wall collars are used when the belated application of a of wall sleeve or core bores are not possible or no adjustable sealing 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

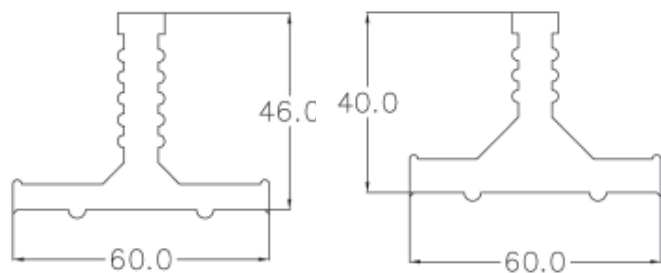
Service temperature	75 °C max.
Minimum temperature	- 40 °C
Elongation at break	500%
Hardness Shore A	45 ±5
Tensile strength	9,5 N/mm2

Application manual

1. Clean pipe surface which has to be set in concrete
2. Put wall collar on the medium 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. 315 mm,
pressure tight up to 5 bar

≥ OD 355 mm pressure
tight up to 4 bar



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 or more 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 is limited to the replacement of faulty material. The usability of the product for the individual application is fully under the user's responsibility.

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

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. Olaf Seife
Work Group 5.1 - Structural Sealing

Investigation Report UB 5.1/12-515-1

dated January 8, 2013
1st 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. Jüling

This document consists of 3 pages and one annex.

5 bar

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Please find the complete certificate at
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Radeberg, 2015-04-15

Certificate

Radon Diffusion Coefficient

The radon diffusion coefficient D of the delivered material as a part of the sealing system "Wall-collar" has been measured for the company

4 pipes GmbH
Sigmundstraße 182
90431 Nürnberg.

The results are described in the following table.

Description of variables	Measured values
Diffusion coefficient D	$4,42 \cdot 10^{-11} \text{ m}^2/\text{s}$
Diffusion length L_D	4,59 mm
Area of the Material F	196 cm ²



A material is characterized as "radon tight" if its thickness exceeds the associated radon diffusion length of the material at least by a factor 3.

A "radon tight" material is defined by a diffusive radon penetration of no more than 5 %.

H. Schulz

Dr. rer. nat. habil. Hartmut Schulz
managing director

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