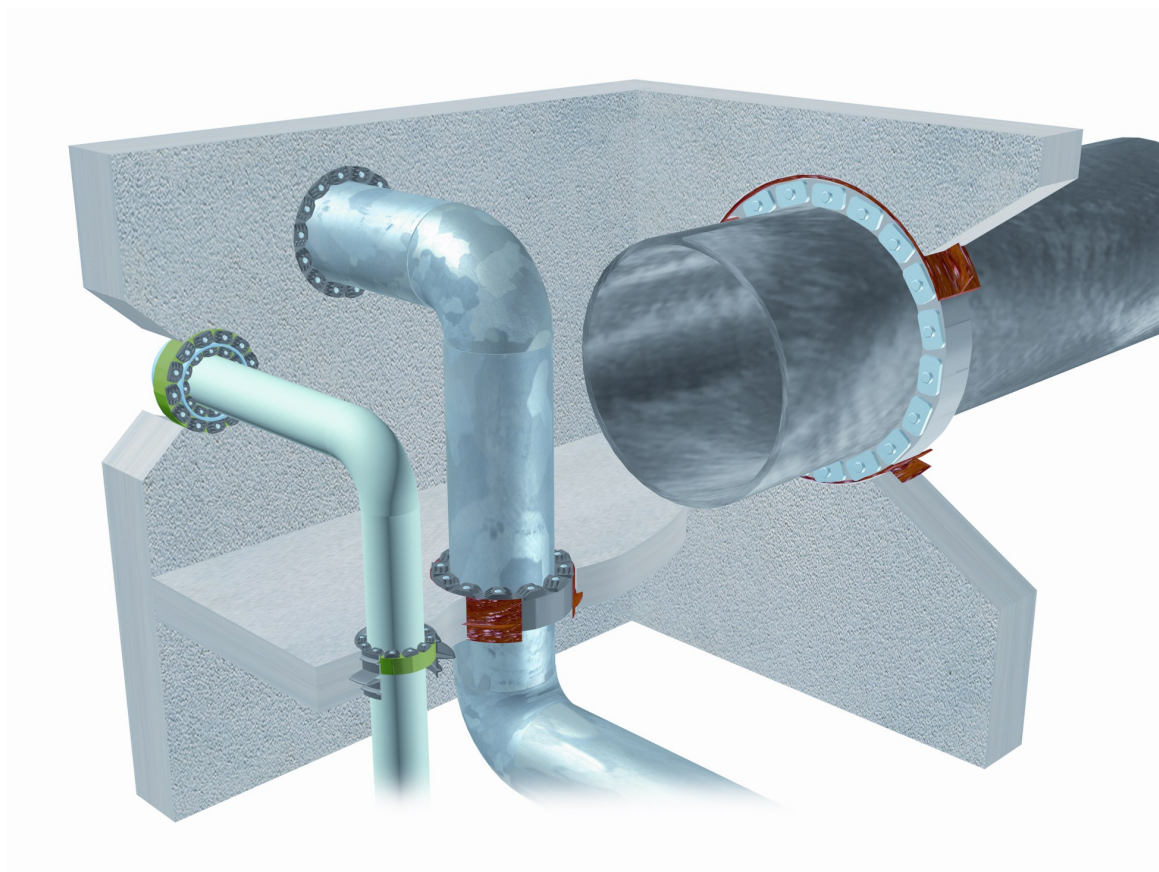
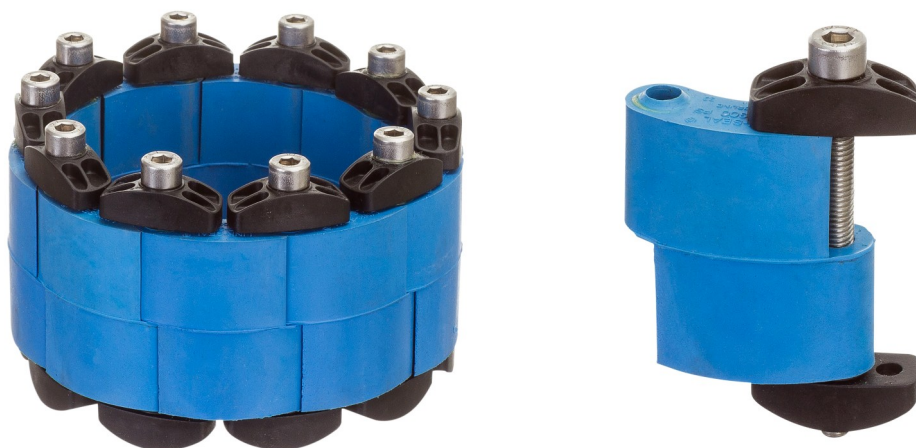


ORIGINAL LINK SEAL® COBALCH Sealing



ORIGINAL LINK SEAL® modular wall seal is installed quickly and easily. Architects, engineers, building and pipeline companies appreciate the advantages of ORIGINAL LINK SEAL®.



GENERAL INFORMATION

LINK-SEAL® is the most efficient modular mechanical seal for pipe through wall penetrations. The **LINK-SEAL®** elements are connected by bolts. On each bolt - between the bolt and rubber element - there is a pressure plate. When tightening the bolt the pressure is transmitted through the pressure plate to the rubber element. The elements will expand in the gap between the pipe/cable and the wall opening. In this way you make wall penetrations **entirely tight** and the annular space between pipe/cable and wall opening will be not more than 12 - 100 mm, which means that the wall opening must be drilled minimum size.

WATER AND AIR TIGHT SEALING

LINK-SEAL® are TÜV tested with 5 bar and KTW approved for drinking water. Properly installed, **LINK-SEAL®** resists a pressure up to 25 bar and resists radiation up to 5×10^8 RAD.

FAST MOUNTING = SAVED TIME

It is easy to see overleaf that **LINK-SEAL®** can be installed in a few minutes. By using **LINK-SEAL®** you escape the time-consuming job casting between pipe/cable and wall opening.

SEALS ANY KIND OF PIPES/CABLES

LINK-SEAL® fits any kind of pipes made of steel, PE, PVC, plastic, concrete, cast iron and also electric cables, telephone cable etc..

NB!

For smooth plastic pipes **PE100** - Pressure stage **PN6/SN8** or more, Link Seal® Type B (blue) is used.

For smooth plastic pipes **PE100** - Pressure stage **PN10 or more**, Link Seal® Type A4 (black) can also be used, which is pressure tight up to 5 bar.

Section of finished installation

LINK-SEAL® absorbs the shocks, eliminates the vibrations and neutralize the noise. Metallic contact from pipe/cable to wall is impossible and render in that way electrolytic corrosion.

DISTRICT HEATING PIPES (PRE-INSULATED PIPES)

For smooth jacket pipes, you can use Link Seal® Type B if the district heating jacket are minimum SN8/PN6 or preferably Compact Seal® Type Temp (FW), which is more gentle and thus prevents the pipe from flowing cold (lacing life)

21 DIFFERENT DIMENSIONS

With 21 different dimensions and 9 variants **LINK-SEAL®** covers all types of wall penetrations from pipe/cable diameters from 10 mm to infinite.

Look up the right dimension in the sizing charts, which shows the diameters of diamond drilled holes.

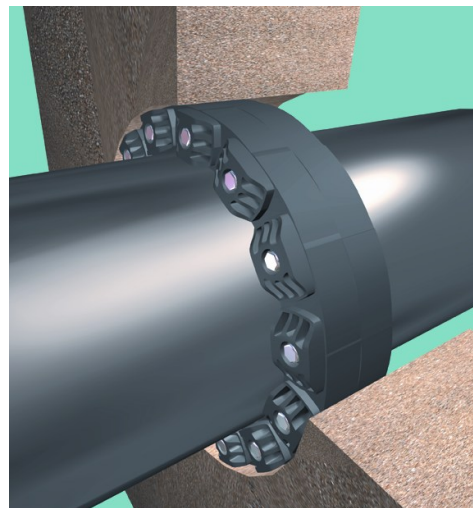
ABSORPTION OF SHOCKS, SOUND AND VIBRATION

The elasticity of the **LINK-SEAL®** causes a good absorption of shock, stress and elimination of sound and vibration which can be results from pumps and by pressure alteration in the piping.

!!! IMPORTANT!!!

Link Seal® is a seal NOT a bearing. All pipes must be centered and fixed in the middle of the hole.

For Corrugated pipes you should use Compact TEMP, see brochures 1.7.1.1a and 1.7.4.1



Construction



Contractor



Water



VVS



Energy



Oil



Gas



Industry

**TECHNICAL INFO ORIGINAL LINK SEAL®
COBALCH Sealing**

Type	Material segment	Hardness shore	Bolts	Pressure plates	Temperature range (°C)	Elektric insulation	UV resistant	Pressure tight
A4 	EPDM Colour = black	50° Pipe min. PN 10	A4	Glass fiber reinforced polyamide	-40° to +80°	Yes	Yes However, no longer time in direct sunlight	5 bar
Application; High resistance against water, most other inorganic substances (acids and alkalies) and against most organic substances. Extremely good on aggressive cleaning plants, raw water, chemical industry, salt water, ect..								
B-A4 	EPDM Colour = blue	40° Pipe min. PN 6 SN 8	A4	Glass fiber reinforced polyamide	-40° to +80°	Yes	Yes However, no longer time in direct sunlight	3 bar
Application; As A4, but particular for plastic pipes because of distortion by mounting.								
O-A4 	Nitril (NBR) Colour = green	50° Pipe min. PN 10	A4	Glass fiber reinforced polyamide	-40° to +70°C	Yes	No	5 bar
Application; High resistances against oils, aromatic fuels, solvents and other mineral oil base products. Extremely good on all types of oil installations and refineries ect.								
T-A4 	Silicone Colour = grey	50° Pipe min. PN 10	A4	A4	-55° to +163° Periodical +204°C	No	Yes However, no longer time in direct sunlight	5 bar
Application; Ideal for extreme temperatures. Very suitable for refrigerated store houses and other high temperatures.								
KTW 	EDPM Colour = black with KTW Printet in the rubber	50° Pipe min. PN 10	A4	Glasfiber reinforced polyamide Colour = White	-40° to +80°C	Yes	Yes However, no longer time in direct sunlight	5 bar
Application; Approved for drinking water. Tested acc. to KTW and W270								

**SPECIFICATIONS ORIGINAL LINK SEAL®
COBALCH Sealing**

Type	Free state thickness	Expand state thickness	Min. wall thickness	Segment length	Pipe diameter from	Pipe diameter to	Min. numbers of segments
LS-200	12,7 mm	16,0 mm	75 mm	30,0 mm	21,3 mm	200,0 mm	4
LS-265	16,0 mm	20,0 mm	75 mm	42,4 mm	50,0 mm	219,1 mm	5
LS-275	16,0 mm	20,0 mm	75 mm	25,1 mm	10,0 mm	90,0 mm	4
LS-300	18,0 mm	22,5 mm	100 mm	40,0 mm	44,5 mm	250,0 mm	5
LS-310	18,0 mm	22,5 mm	100 mm	57,1 mm	60,3 mm	315,0 mm	5
LS-315	21,1 mm	26,0 mm	100 mm	38,4 mm	37,0 mm	315,0 mm	5
LS-325	23,2 mm	30,0 mm	120 mm	79,4 mm	133,0 mm	400,0 mm	6
LS-340	25,5 mm	34,0 mm	120 mm	41,4 mm	14,0 mm	323,9 mm	4
LS-360	32,0 mm	42,0 mm	120 mm	55,1 mm	40,0 mm	406,4 mm	5
LS-400	36,3 mm	46,0 mm	140 mm	93,1 mm	139,7 mm	1220,0 mm	6
LS-410	37,0 mm	48,5 mm	140 mm	67,6 mm	60,3 mm	323,9 mm	5
LS-425	28,4 mm	37,0 mm	140 mm	93,1 mm	144,0 mm	1220,0 mm	6
LS-440	44,0 mm	55,0 mm	140 mm	99,0 mm	100,0 mm	1220,0 mm	5
LS-475	41,3 mm	48,5 mm	140 mm	68,3 mm	60,3 mm	1220,0 mm	5
LS-500	60,3 mm	71,5 mm	150 mm	99,1 mm	100,0 mm	1220,0 mm	5
LS-525	55,4 mm	63,5 mm	150 mm	99,1 mm	133,0 mm	1220,0 mm	6
LS-575	48,0 mm	58,0 mm	150 mm	79,5 mm	130,0 mm	1220,0 mm	5
LS-615	81,6 mm	102,0 mm	150 mm	155,0 mm	219,0 mm	3000,0 mm	6
LS-625	83,0 mm	102,0 mm	150 mm	106,7 mm	133,0 mm	2000,0 mm	5
LS-650	69,0 mm	84,0 mm	150 mm	106,7 mm	133,0 mm	2000,0 mm	5
LS-700	95,0 mm	110,0 mm	200 mm	155,5 mm	219,0 mm	3000,0 mm	6

Calculation of type:

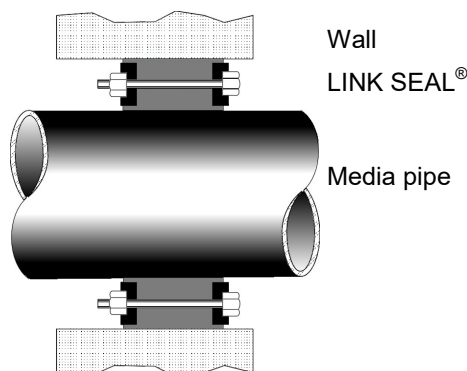
Calculation of annular space: Holediameter, inside Ø – mediapipe, outside Ø : 2 = annular space between

Type selection according to selection guides LS

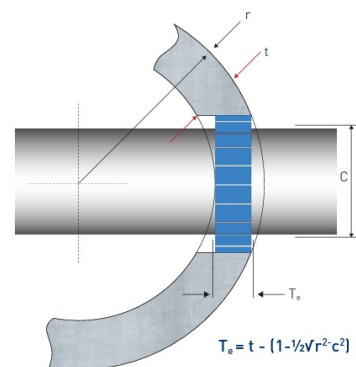
Calculation of chain length: Holediameter, inside Ø – mediapipe, outside Ø : 2 x 3,14 = boltcircle

Numbers of segments: Boltcircle : segment length = numbers of segments

Section with
LINK SEAL®



LINK SEAL®
used for well



Certificates

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

Certificate ISO 9001:2015

This certification documents the producers conformity of the quality management system.

AEO-certificates

Authorized Economic Operator "AEOC (customs simplification)"

Link Seal®



- Lloyds Register: "Pressure Test for Wall Penetration Seal, Type Link Seal® Modular Seal Certificate No: APE 0409369/1
- TÜV certificates and reports:
 - TÜV SÜD: Production facilities audit (annual)
 - TÜV SÜD: Technical report DDA4/118/94 Component testing of a modular seal
- FHRK quality seal: FHRK test specification GE 101 seals (test report no. G 30 322-6-2) Original Link Seal® annular space seal type S316(A4)

Drinking water applications

- WRAS: Material Approval
- ACS: Certificate of sanitary conformity
- Pressure plate testing: Material testing DVGW W270; KTW
- Sealing element: Material testing DVGW W270; UBA ELL
- RADON TIGHT: Test report Dr. Joachim Kemske, RADON tight Link Seal® KTW Sealing material