



INSTALLATION INSTRUCTIONS SLIPSIL[®] SEALING PLUGS FOR PIPE/CABLE DUCTS

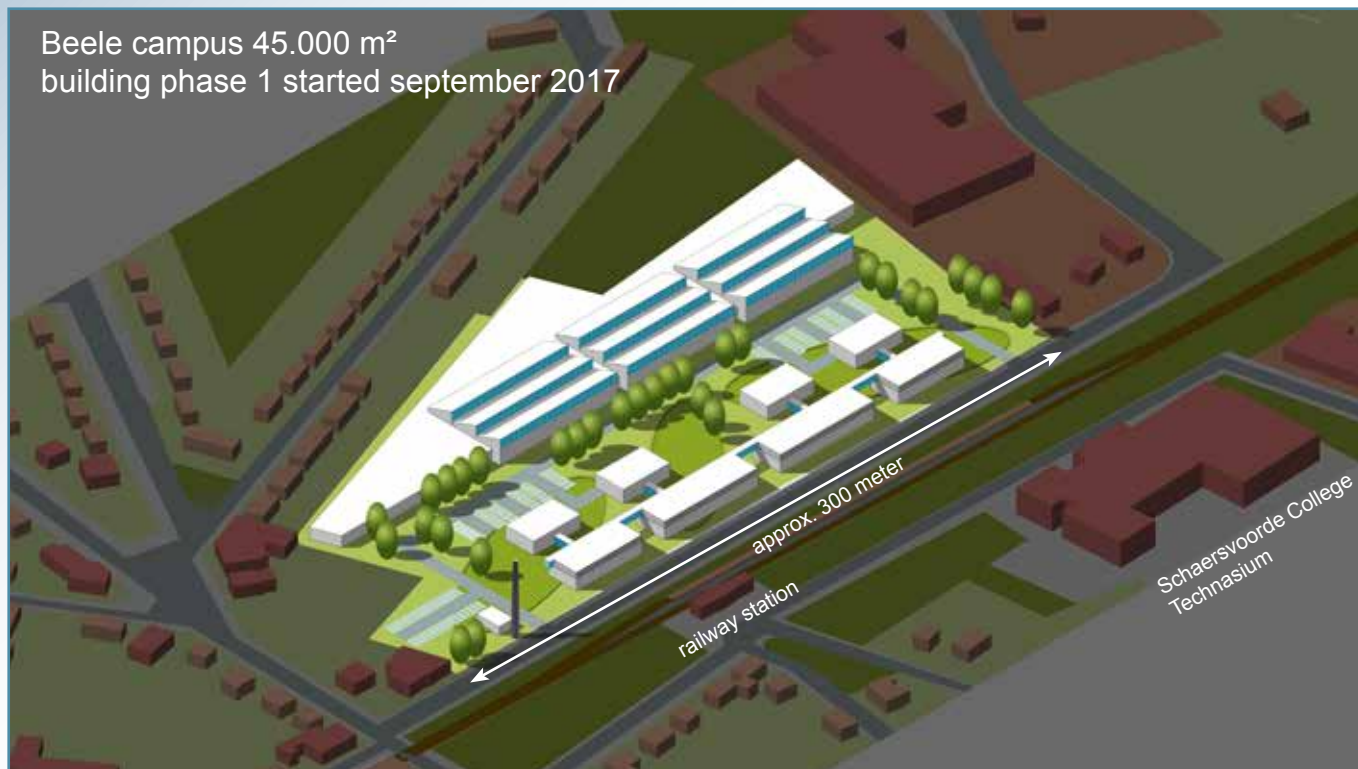
slipsil[®]

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FIRE SAFE, GAS AND WATER TIGHT SEALING SOLUTIONS FOR INSTALLATIONS/CONSTRUCTIONS

Beele campus 45.000 m²
building phase 1 started september 2017



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Research & Development

: BEELE Engineering BV, Aalten, the Netherlands.

Note

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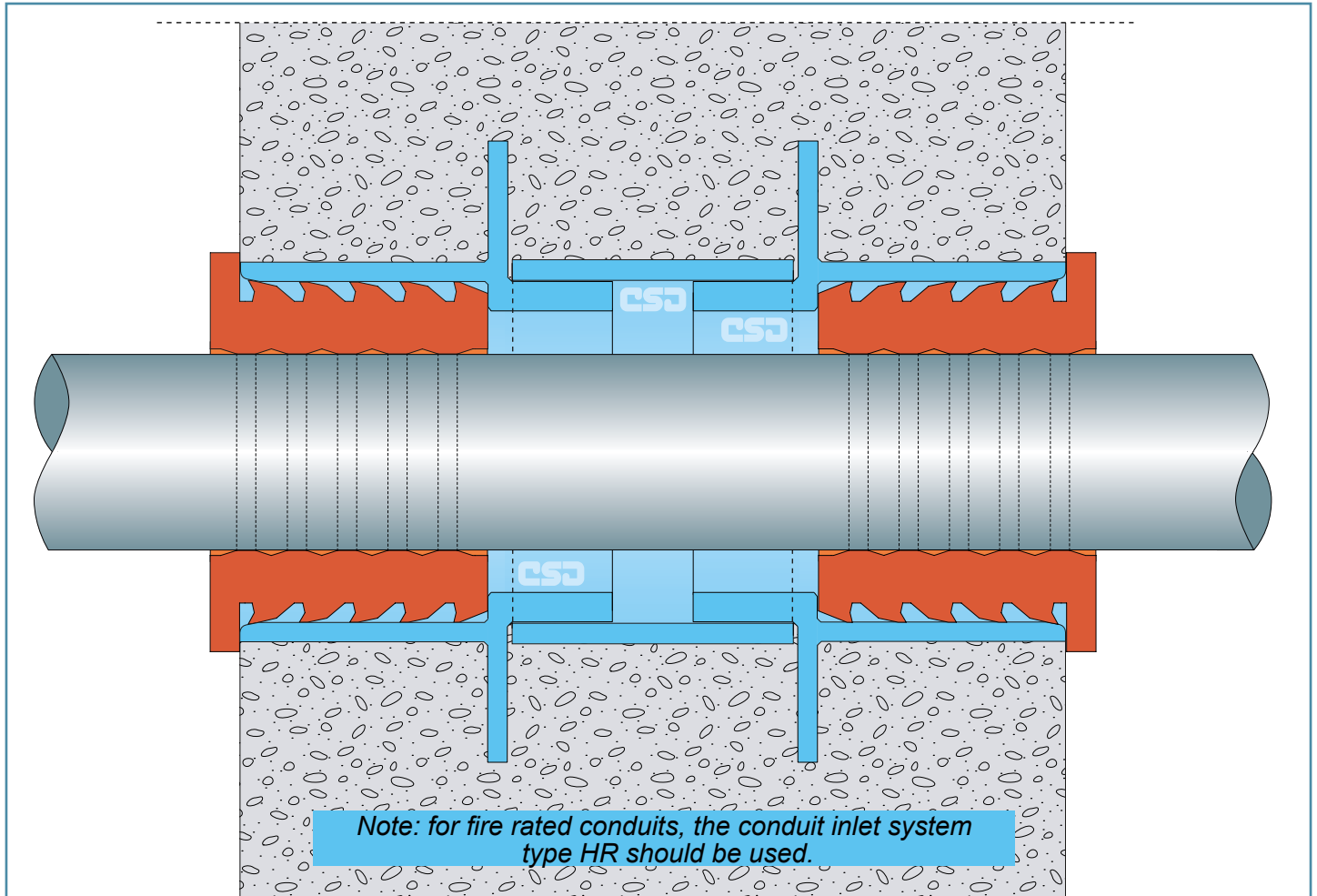
®

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brochure code

: installation SLIPSIL construction

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

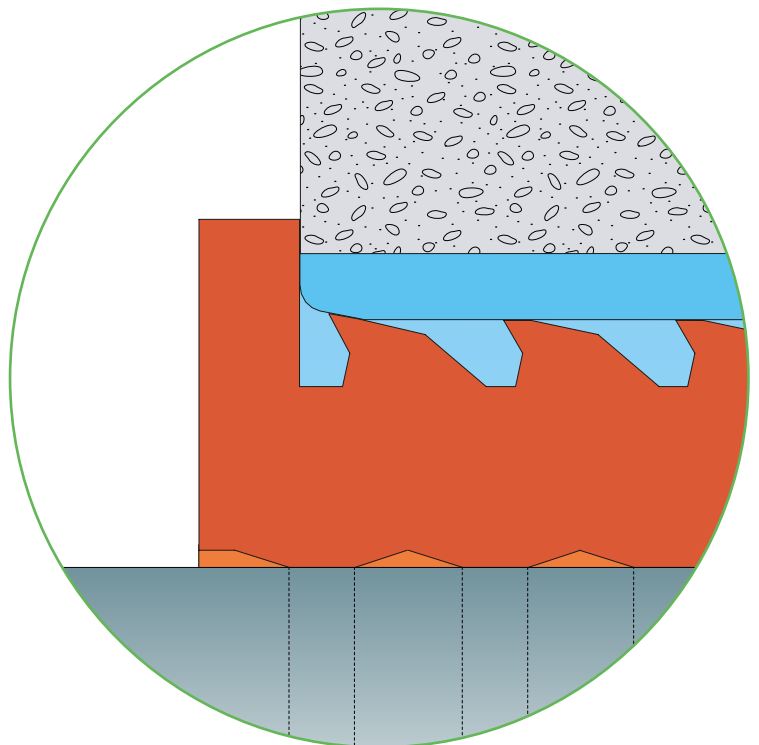


Optimized gas and water tightness is obtained by applying the SLIPSIL® sealing plugs in the CSD® embedded conduit inlet system or in the CSD® flanged conduit sleeves.

These offer optimum ease of installation, prevent any damage to the plugs during insertion and prevent the plugs from being inserted too deep into the conduit opening. The sealing plugs also can be used in holes bored with diamond-tipped drills. The tolerances of the drilled hole should be within the tolerances of the plug series.

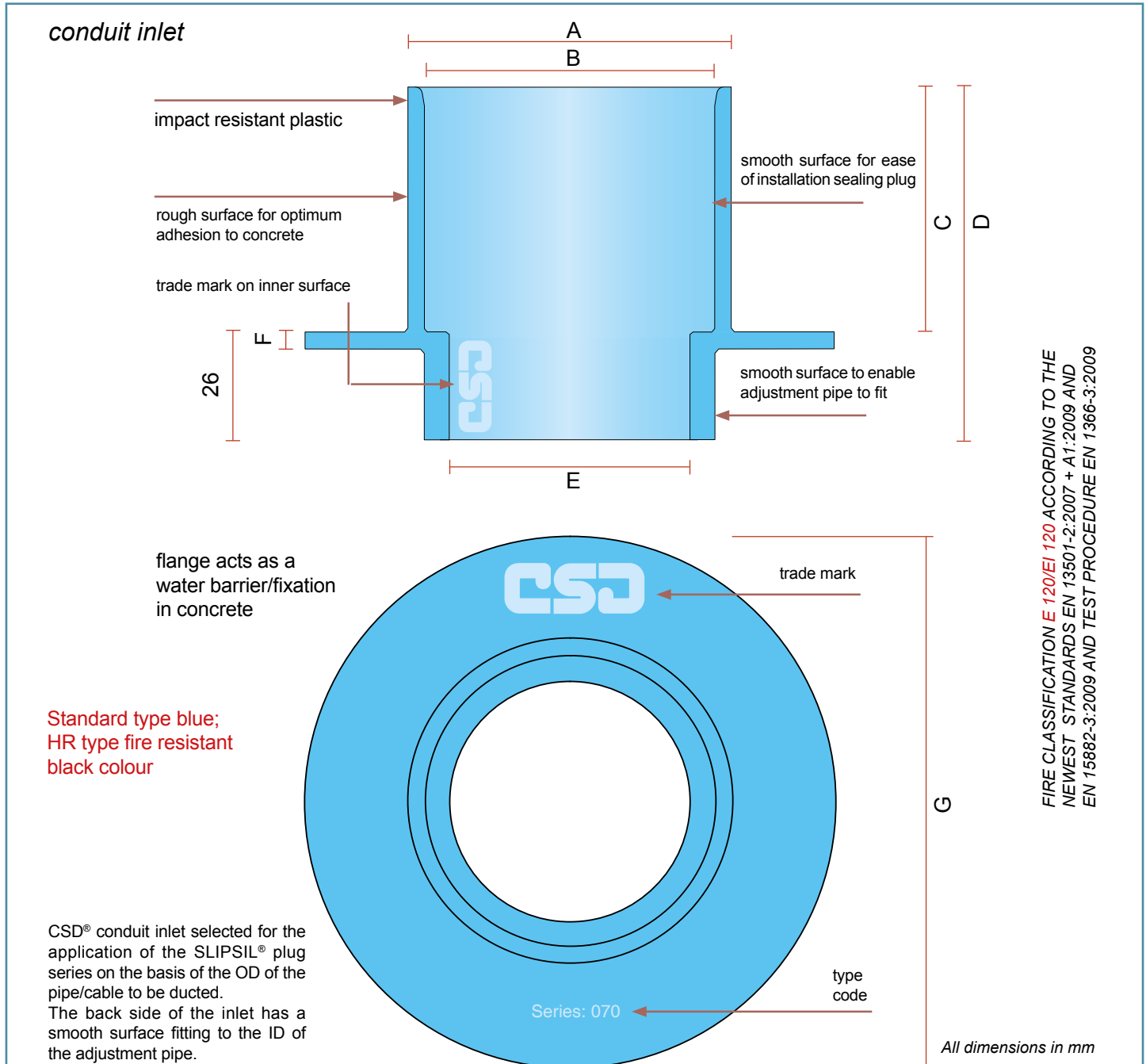
For fire resistant seals, the sealing plugs must be installed always at each side of the conduit. For conduits which are required to be gas and water tight only, it is possible for a sealing plug to be installed at just one side of the conduit. However, for optimum sealing performance it is advisable always to install plugs at each side of the conduit. Care should be taken that the ducted cable/pipe is not passed through the conduit opening at an angle. For horizontal ducts, it is extremely important to support the pipes properly at both sides of the conduit.

The picture shows the settling of the profiling after insertion and the rounded off inlet opening of the CSD® conduit inlets. Optimum tightness guaranteed. The leveled outer profiles show that the contact surface with the conduit pipe could be further increased when smaller inner diameters should be used. The drawback however is less ease of installation. CSD® conduit inlets are made to nominal sizes.



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



type	A	B	C	D	E	F/F st/HR	G	plug- series	cable/ pipe OD	art. no. standard	art. no. HR
CSD 40 CI	48	40	47	73	28	4/-	88	40	5-22	60.9102	-
CSD 50 CI	58	50	59	85	38	4/-	108	50	6-32	60.9103	-
CSD 60 CI	68	60	59	85	48	4/-	118	60	14-40	60.9104	-
CSD 70 CI	78	70	59	85	58	4/6	128	70	22-50	60.9105	60.9205
CSD 80 CI	88	80	59	85	68	4/6	138	80	28-60	60.9106	60.9206
CSD 100 CI	110	100	59	85	88	4/6	170	100	40-75	60.9107	60.9207
CSD 125 CI	135	125	59	85	113	4/6	195	125	60-92	60.9108	60.9208
CSD 160 CI	170	160	71	97	148	4/6	230	160	88-125	60.9109	60.9209
CSD 200 CI	210	200	71	97	188	4/6	290	200	110-160	60.9110	60.9210
CSD 250 CI	260	250	83	109	238	-/6	340	250	160-200	-	60.9211

INSTALLATION INSTRUCTIONS

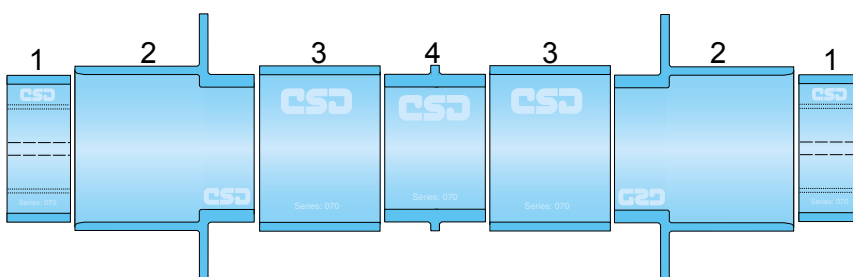
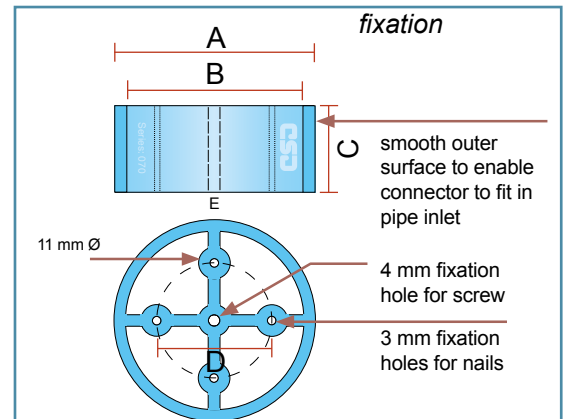
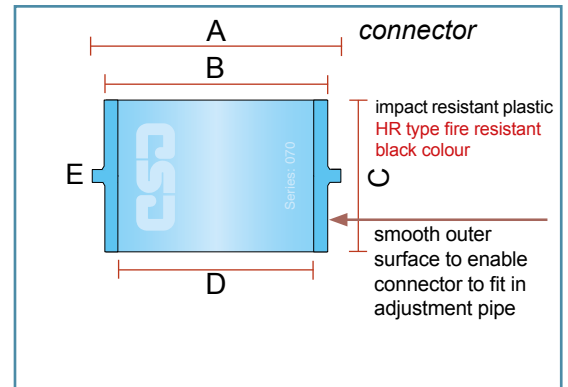
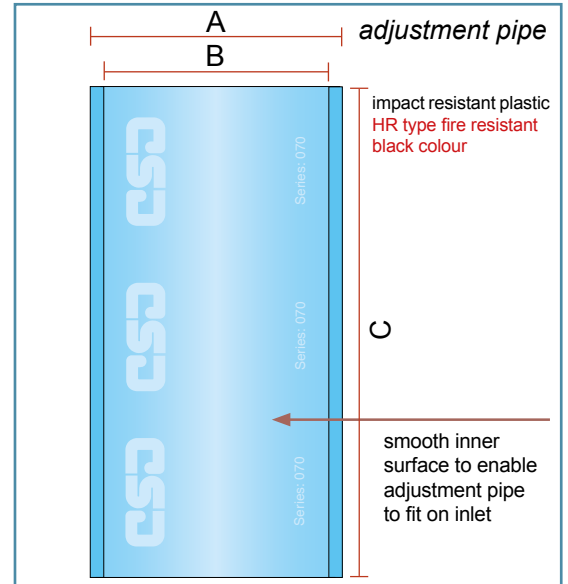
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

type	A	B	C st/HR	art. no. standard	art. no. HR
CSD 40 AP	48	40	200/-	60.9122	-
CSD 50 AP	58	50	200/-	60.9123	-
CSD 60 AP	68	60	200--	60.9124	-
CSD 70 AP	78	70	200/300	60.9125	60.9225
CSD 80 AP	88	80	200/300	60.9126	60.9226
CSD 100 AP	110	100	200/300	60.9127	60.9227
CSD 125 AP	135	125	200/300	60.9128	60.9228
CSD 160 AP	170	160	200/300	60.9129	60.9229
CSD 200 AP	210	200	150/300	60.9130	60.9230
CSD 250 AP	260	250	-/300	-	60.9231

CSD® adjustment pipe cut to size to adjust the complete inlet set to the thickness of the form to cast the concrete.
The CSD® adjustment pipe has a smooth inner surface fitting to the conduit inlets.

type	A	B	C	D	E	art. no. standard	art. no. HR
CSD 40 CP	48	40	48	32	4	60.9122	-
CSD 50 CP	58	50	48	42	4	60.9123	-
CSD 60 CP	68	60	48	52	4	60.9124	-
CSD 70 CP	78	70	48	62	4/6	60.9125	60.9225
CSD 80 CP	88	80	48	72	4/6	60.9126	60.9226
CSD 100 CP	110	100	48	90	5/6	60.9127	60.9227
CSD 125 CP	135	125	48	110	5/6	60.9128	60.9228
CSD 160 CP	170	160	48	150	5/6	60.9129	60.9229
CSD 200 CP	210	200	48	190	5/6	60.9130	60.9230
CSD 250 CP	260	250	48	240	5/6	-	60.9231

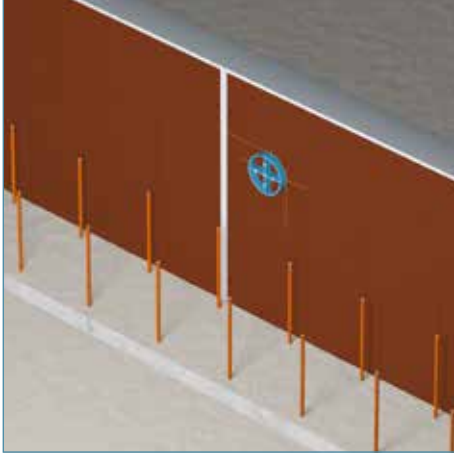
type	A	B	C	D	E	art. no.
CSD 40 FP	40	32	20	-	-	60.9162
CSD 50 FP	50	42	20	30	4	60.9163
CSD 60 FP	60	52	20	30	4	60.9164
CSD 70 FP	70	62	20	40	4	60.9165
CSD 80 FP	80	72	20	40	4	60.9166
CSD 100 FP	100	92	20	50	4	60.9167
CSD 125 FP	125	117	20	60	4	60.9168
CSD 160 FP	160	152	20	80	4	60.9169
CSD 200 FP	200	188	30	120	6	60.9170



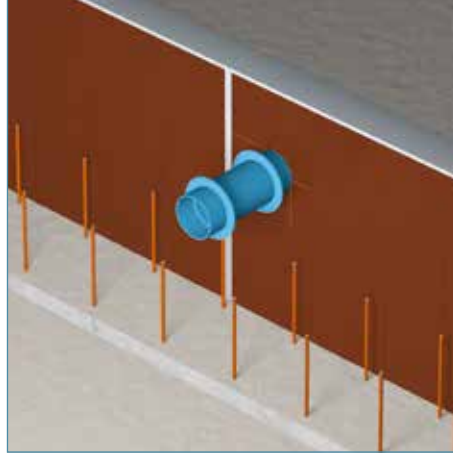
- 1) fixation piece to fix the set to the casting form
- 2) conduit inlets to accept the SLIPSIL® plugs
- 3) adjustments pipes to make the set fit to the width of the casting form
- 4) connector piece to connect adjustment pipes in case of extremely wide casting forms

INSTALLATION INSTRUCTIONS

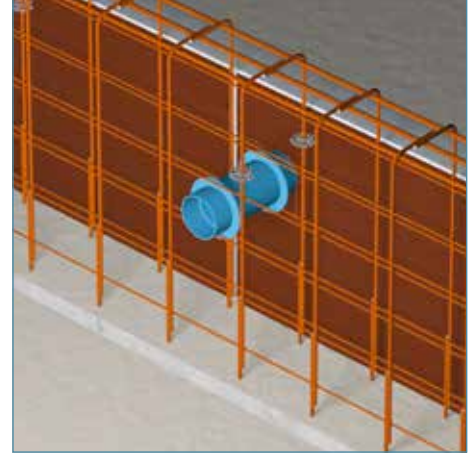
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



1) After marking off on the form work, CSD® fixation pieces suitable for CSD® conduit inlets are fastened by means of nails or screws.



2) Adapt the CSD® embedded conduit inlet system to the width of the form work by sawing the CSD® adjustment pipe to length in situ. Press the CSD® conduit inlets and adjustment pipe over the installed fixation piece.



3) For very wide form work, two or more CSD® adjustment pipes are used. The adjustment pipes are linked with the aid of CSD® connectors.



4) The CSD® embedded conduit inlet system must also be affixed to the form work element on the other side using a fixation piece in order to obtain sufficient stability during the pouring of the concrete.



5) The form work element is provisionally positioned so that the position of the CSD® fixation piece to be fitted can be marked off.



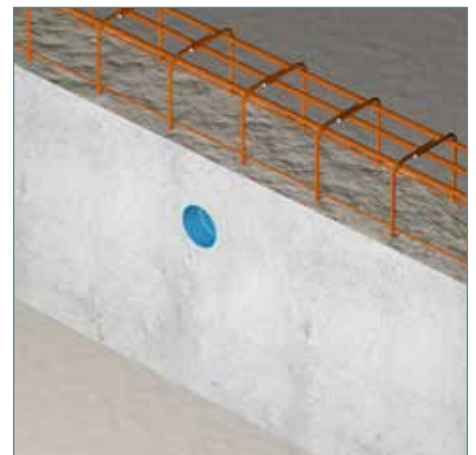
6) The form work element is then removed so that the CSD® fixation piece can be affixed.



7) The CSD® fixation pieces are made to be a clamping fit for fixation in the CSD® conduit inlets for reasons of stability but also to prevent concrete running into the conduit inlets.

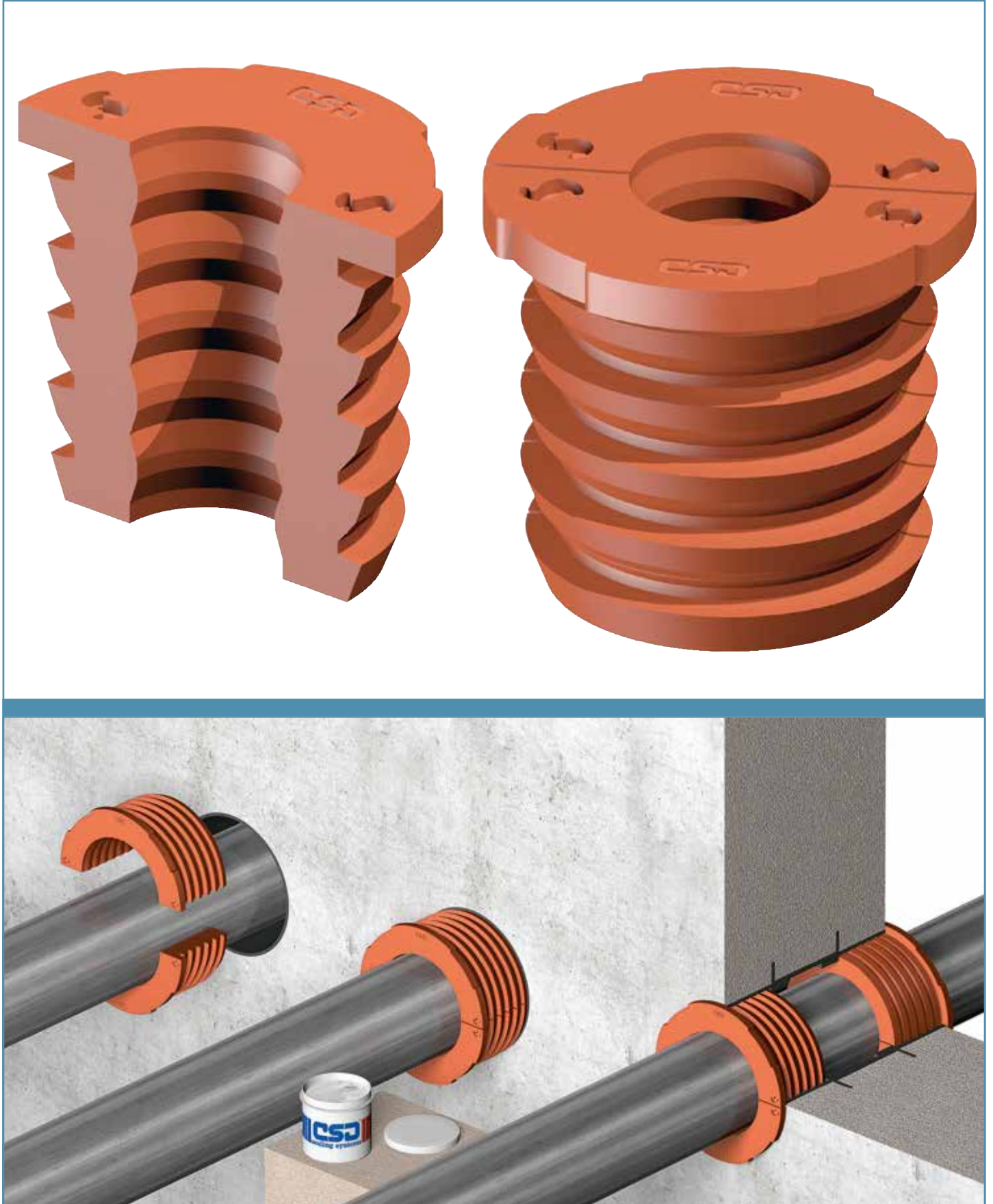


8) The flanges of the CSD® conduit inlets serve for fixation into the concrete and also act as a water barrier. The CSD® embedded conduit inlet system is made of impact-resistant plastic.



9) The CSD® fixation pieces that are affixed to the form work can be re-used for subsequent projects.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

	PLUG SERIES	CONDUIT SLEEVE	PLUG LENGTH	PIPE DIAMETER
	25	24.5 - 25.6	54 -----	5 - 12
	27	26.5 - 27.6	54	5 - 15
	28	27.5 - 28.5	54	5 - 15
	30	29.5 - 30.5	54	5 - 16
	32	31.5 - 32.5	54	5 - 16
	34	33.5 - 34.5	54	5 - 18
	35	34.5 - 35.7	54	5 - 20
	37	36.5 - 37.7	54	5 - 20
	40	39.5 - 40.7	54	5 - 22
	41	40.5 - 41.7	54	5 - 25
	43	42.5 - 43.7	54	5 - 28
	50	49.5 - 50.7	66	6 - 32
	52	51.0 - 52.2	66	6 - 34
	53	52.0 - 53.7	66	6 - 34
	55	54.0 - 55.7	66	6 - 34
	57	56.0 - 57.7	66	14 - 40
	60	59.0 - 60.7	66	14 - 40
	62	61.0 - 62.7	66	14 - 40
	67	66.0 - 67.7	66	22 - 50
	68	67.0 - 68.7	66	20 - 50
	70	69.0 - 70.7	66	22 - 50
	75	74.0 - 75.7	66	22 - 50
	78	77.0 - 78.7	66	22 - 50
	80	79.0 - 80.7	66	28 - 60
	82	81.0 - 82.7	66	28 - 60
	90	89.0 - 90.7	66	40 - 64
	94	93.0 - 94.7	66	40 - 64
	97	96.0 - 97.7	66	40 - 64
	100	99.0 - 100.7	66	40 - 75
	102	101.0 - 102.7	66	40 - 75
	103	102.0 - 103.7	66	26 - 75
	105	104.0 - 105.7	66	40 - 75
	107	106.0 - 107.7	66	40 - 76
	110	109.0 - 110.7	66	48 - 80
	118	117.5 - 119.2	66	60 - 90
	122	121.0 - 122.7	66	60 - 92
	125	124.0 - 125.7	66	60 - 92
	128	127.0 - 128.7	66	60 - 92
	131	130.5 - 132.2	66	60 - 92
	146	145.0 - 146.7	79 -----	88 - 120
	150	149.0 - 150.7	79	88 - 125
	152	151.0 - 152.7	79	88 - 125
	154	153.0 - 154.7	79	88 - 125
	156	155.0 - 156.7	79	88 - 125
	160	159.0 - 160.7	79	88 - 125
	190	189.0 - 190.7	79	110-160
	200	199.0 - 200.7	79	110-160
	203	202.0 - 203.7	79	110-168
	207	206.0 - 207.7	79	110-168
	250	249.0 - 250.7	91	160-200
	260	259.0 - 260.7	91	160-219
	300	299.0 - 300.7	91	160-250
	339	338.5 - 340.2	91 -----	200-273
	<i>marked series for application in the SLIPSIL® conduit sleeves</i>			

To select the right type of sealing plug, look for the plug series to be used on the basis of the outer diameter of the service pipe. Then make a choice for the plug type in the table of the selected plug series.

For instance: a copper pipe of 42 mm OD has to be ducted. Select the plug series on the basis of the ID of the conduit sleeve to be used, and the OD of the ducted pipe (67 up to 107 can be your choice). When a conduit sleeve 88.9x3.2 mm (ID = 82.5 mm) will be used a sealing plug 82/42-44 is the right choice. If a 54 mm OD copper pipe has to be ducted through a sleeve with an ID of 107.1 mm, plug type 107/54-56 has to be selected. See the tables of the series 82 and 107 on page 39 and 40.

Note: the sealing plugs with a thin wall (for instance 53/34) are not easy to install in undersized conduit openings. It is advisable to select a larger plug series (for instance 60/34-36).

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
blind	25/0	40.0100	blind	34/0	40.0600	18-20	40/18-20	40.0915
5-6	25/5-6	40.0105	5-6	34/5-6	40.0605	20-21	40/20-21	40.0916
6-7	25/6-7	40.0106	6-7	34/6-7	40.0606	21-22	40/21-22	40.0917
7-8	25/7-8	40.0107	7-8	34/7-8	40.0607	22	40/22	40.0918
8-9	25/8-9	40.0108	8-9	34/8-9	40.0608	blind	41/0	40.1000
9-10	25/9-10	40.0109	9-10	34/9-10	40.0609	5-6	41/5-6	40.1005
10-11	25/10-11	40.0110	10-11	34/10-11	40.0610	6-7	41/6-7	40.1006
11-12	25/11-12	40.0111	11-12	34/11-12	40.0611	7-8	41/7-8	40.1007
12	25/12	40.0112	12-13	34/12-13	40.0612	8-9	41/8-9	40.1008
blind	27/0	40.0200	13-14	34/13-14	40.0613	9-10	41/9-10	40.1009
5-6	27/5-6	40.0205	14-15	34/14-15	40.0614	10-11	41/10-11	40.1010
6-7	27/6-7	40.0206	15-16	34/15-16	40.0615	11-12	41/11-12	40.1011
7-8	27/7-8	40.0207	16-17	34/16-17	40.0616	12-14	41/12-14	40.1012
8-9	27/8-9	40.0208	17-18	34/17-18	40.0617	14-16	41/14-16	40.1013
9-10	27/9-10	40.0209	18	34/18	40.0618	16-18	41/16-18	40.1014
10-11	27/10-11	40.0210	blind	35/0	40.0700	18-20	41/18-20	40.1015
11-12	27/11-12	40.0211	5-6	35/5-6	40.0705	20-22	41/20-22	40.1016
12-13	27/12-13	40.0212	6-7	35/6-7	40.0706	22-23	41/22-23	40.1017
13-14	27/13-14	40.0213	7-8	35/7-8	40.0707	23-24	41/23-24	40.1018
14-15	27/14-15	40.0214	8-9	35/8-9	40.0708	24-25	41/24-25	40.1019
15	27/15	40.0215	9-10	35/9-10	40.0709	25	41/25	40.1020
blind	28/0	40.0300	10-11	35/10-11	40.0710	blind	43/0	40.1100
5-6	28/5-6	40.0305	11-12	35/11-12	40.0711	5-6	43/5-6	40.1105
6-7	28/6-7	40.0306	12-13	35/12-13	40.0712	6-7	43/6-7	40.1106
7-8	28/7-8	40.0307	13-14	35/13-14	40.0713	7-8	43/7-8	40.1107
8-9	28/8-9	40.0308	14-15	35/14-15	40.0714	8-9	43/8-9	40.1108
9-10	28/9-10	40.0309	15-16	35/15-16	40.0715	9-10	43/9-10	40.1109
10-11	28/10-11	40.0310	16-17	35/16-17	40.0716	10-12	43/10-12	40.1110
11-12	28/11-12	40.0311	17-18	35/17-18	40.0717	12-14	43/12-14	40.1111
12-13	28/12-13	40.0312	18-19	35/18-19	40.0718	14-16	43/14-16	40.1112
13-14	28/13-14	40.0313	19-20	35/19-20	40.0719	16-18	43/16-18	40.1113
14-15	28/14-15	40.0314	20	35/20	40.0720	18-20	43/18-20	40.1114
15	28/15	40.0315	blind	37/0	40.0800	20-22	43/20-22	40.1115
blind	30/0	40.0400	5-6	37/5-6	40.0805	22-24	43/22-24	40.1116
5-6	30/5-6	40.0405	6-7	37/6-7	40.0806	24-25	43/24-25	40.1117
6-7	30/6-7	40.0406	7-8	37/7-8	40.0807	25-26	43/25-26	40.1118
7-8	30/7-8	40.0407	8-9	37/8-9	40.0808	26-27	43/26-27	40.1119
8-9	30/8-9	40.0408	9-10	37/9-10	40.0809	27-28	43/27-28	40.1120
9-10	30/9-10	40.0409	10-11	37/10-11	40.0810	28	43/28	40.1121
10-11	30/10-11	40.0410	11-12	37/11-12	40.0811	blind	50/0	40.1200
11-12	30/11-12	40.0411	12-13	37/12-13	40.0812	6-7	50/6-7	40.1205
12-13	30/12-13	40.0412	13-14	37/13-14	40.0813	7-8	50/7-8	40.1206
13-14	30/13-14	40.0413	14-15	37/14-15	40.0814	8-9	50/8-9	40.1207
14-15	30/14-15	40.0414	15-16	37/15-16	40.0815	9-10	50/9-10	40.1208
15-16	30/15-16	40.0415	16-17	37/16-17	40.0816	10-12	50/10-12	40.1209
16	30/16	40.0416	17-18	37/17-18	40.0817	12-14	50/12-14	40.1210
blind	32/0	40.0500	18-19	37/18-19	40.0818	14-16	50/14-16	40.1211
5-6	32/5-6	40.0505	19-20	37/19-20	40.0819	16-18	50/16-18	40.1212
6-7	32/6-7	40.0506	20	37/20	40.0820	18-20	50/18-20	40.1213
7-8	32/7-8	40.0507	blind	40/0	40.0900	20-22	50/20-22	40.1214
8-9	32/8-9	40.0508	5-6	40/5-6	40.0905	22-24	50/22-24	40.1215
9-10	32/9-10	40.0509	6-7	40/6-7	40.0906	24-26	50/24-26	40.1216
10-11	32/10-11	40.0510	7-8	40/7-8	40.0907	26-28	50/26-28	40.1217
11-12	32/11-12	40.0511	8-9	40/8-9	40.0908	28-29	50/28-29	40.1218
12-13	32/12-13	40.0512	9-10	40/9-10	40.0909	29-30	50/29-30	40.1219
13-14	32/13-14	40.0513	10-11	40/10-11	40.0910	30-31	50/30-31	40.1220
14-15	32/14-15	40.0514	11-12	40/11-12	40.0911	31-32	50/31-32	40.1221
15-16	32/15-16	40.0515	12-14	40/12-14	40.0912	32	50/32	40.1222
16	32/16	40.0516	14-16	40/14-16	40.0913			
			16-18	40/16-18	40.0914			

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
blind	52/0	40.6000	blind	57/0	40.1500	36-38	67/36-38	40.1822
6-7	52/6-7	40.6005	14-16	57/14-16	40.1511	38-40	67/38-40	40.1823
7-8	52/7-8	40.6006	16-18	57/16-18	40.1512	40-42	67/40-42	40.1824
8-9	52/8-9	40.6007	18-20	57/18-20	40.1513	42-44	67/42-44	40.1825
9-10	52/9-10	40.6008	20-22	57/20-22	40.1514	44-46	67/44-46	40.1826
10-12	52/10-12	40.6009	22-24	57/22-24	40.1515	46-48	67/46-48	40.1827
12-14	52/12-14	40.6010	24-26	57/24-26	40.1516	48-50	67/48-50	40.1828
14-16	52/14-16	40.6011	26-28	57/26-28	40.1517	50	67/50	40.1829
16-18	52/16-18	40.6012	28-30	57/28-30	40.1518	blind	68/0	40.1900
18-20	52/18-20	40.6013	30-32	57/30-32	40.1519	20-22	68/20-22	40.1914
20-22	52/20-22	40.6014	32-34	57/32-34	40.1520	22-24	68/22-24	40.1915
22-24	52/22-24	40.6015	34-36	57/34-36	40.1521	24-26	68/24-26	40.1916
24-26	52/24-26	40.6016	36-37	57/36-37	40.1522	26-28	68/26-28	40.1917
26-28	52/26-28	40.6017	37-38	57/37-38	40.1523	28-30	68/28-30	40.1918
28-30	52/28-30	40.6018	38-39	57/38-39	40.1524	30-32	68/30-32	40.1919
30-31	52/30-31	40.6019	39-40	57/39-40	40.1525	32-34	68/32-34	40.1920
31-32	52/31-32	40.6020	40	57/40	40.1526	34-36	68/34-36	40.1921
32-33	52/32-33	40.6021	blind	60/0	40.1600	36-38	68/36-38	40.1922
33-34	52/33-34	40.6022	14-16	60/14-16	40.1611	38-40	68/38-40	40.1923
34	52/34	40.6023	16-18	60/16-18	40.1612	40-42	68/40-42	40.1924
blind	53/0	40.1300	18-20	60/18-20	40.1613	42-44	68/42-44	40.1925
6-7	53/6-7	40.1305	20-22	60/20-22	40.1614	44-46	68/44-46	40.1926
7-8	53/7-8	40.1306	22-24	60/22-24	40.1615	46-48	68/46-48	40.1927
8-9	53/8-9	40.1307	24-26	60/24-26	40.1616	48-50	68/48-50	40.1928
9-10	53/9-10	40.1308	26-28	60/26-28	40.1617	50	68/50	40.1929
10-12	53/10-12	40.1309	28-30	60/28-30	40.1618	blind	70/0	40.2000
12-14	53/12-14	40.1310	30-32	60/30-32	40.1619	20-22	70/20-22	40.2014
14-16	53/14-16	40.1311	32-34	60/32-34	40.1620	22-24	70/22-24	40.2015
16-18	53/16-18	40.1312	34-36	60/34-36	40.1621	24-26	70/24-26	40.2016
18-20	53/18-20	40.1313	36-37	60/36-37	40.1622	26-28	70/26-28	40.2017
20-22	53/20-22	40.1314	37-38	60/37-38	40.1623	28-30	70/28-30	40.2018
22-24	53/22-24	40.1315	38-39	60/38-39	40.1624	30-32	70/30-32	40.2019
24-26	53/24-26	40.1316	39-40	60/39-40	40.1625	32-34	70/32-34	40.2020
26-28	53/26-28	40.1317	40	60/40	40.1626	34-36	70/34-36	40.2021
28-30	53/28-30	40.1318	blind	62/0	40.1700	36-38	70/36-38	40.2022
30-31	53/30-31	40.1319	14-16	62/14-16	40.1711	38-40	70/38-40	40.2023
31-32	53/31-32	40.1320	16-18	62/16-18	40.1712	40-42	70/40-42	40.2024
32-33	53/32-33	40.1321	18-20	62/18-20	40.1713	42-44	70/42-44	40.2025
33-34	53/33-34	40.1322	20-22	62/20-22	40.1714	44-46	70/44-46	40.2026
34	53/34	40.1323	22-24	62/22-24	40.1715	46-48	70/46-48	40.2027
blind	55/0	40.1400	24-26	62/24-26	40.1716	48-50	70/48-50	40.2028
6-7	55/6-7	40.1405	26-28	62/26-28	40.1717	50	70/50	40.2029
7-8	55/7-8	40.1406	28-30	62/28-30	40.1718	blind	75/0	40.2100
8-9	55/8-9	40.1407	30-32	62/30-32	40.1719	22-24	75/22-24	40.2115
9-10	55/9-10	40.1408	32-34	62/32-34	40.1720	24-26	75/24-26	40.2116
10-12	55/10-12	40.1409	34-36	62/34-36	40.1721	26-28	75/26-28	40.2117
12-14	55/12-14	40.1410	36-37	62/36-37	40.1722	28-30	75/28-30	40.2118
14-16	55/14-16	40.1411	37-38	62/37-38	40.1723	30-32	75/30-32	40.2119
16-18	55/16-18	40.1412	38-39	62/38-39	40.1724	32-34	75/32-34	40.2120
18-20	55/18-20	40.1413	39-40	62/39-40	40.1725	34-36	75/34-36	40.2121
20-22	55/20-22	40.1414	40	62/40	40.1726	36-38	75/36-38	40.2122
22-24	55/22-24	40.1415	blind	67/0	40.1800	38-40	75/38-40	40.2123
24-26	55/24-26	40.1416	22-24	67/22-24	40.1815	40-42	75/40-42	40.2124
26-28	55/26-28	40.1417	24-26	67/24-26	40.1816	42-44	75/42-44	40.2125
28-30	55/28-30	40.1418	26-28	67/26-28	40.1817	44-46	75/44-46	40.2126
30-31	55/30-31	40.1419	28-30	67/28-30	40.1818	46-48	75/46-48	40.2127
31-32	55/31-32	40.1420	30-32	67/30-32	40.1819	48-50	75/48-50	40.2128
32-33	55/32-33	40.1421	32-34	67/32-34	40.1820	50	75/50	40.2129
33-34	55/33-34	40.1422	34-36	67/34-36	40.1821			
34	55/34	40.1423						

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
blind	78/0	40.2200	48-50	90/48-50	40.2524	42-44	102/42-44	40.2921
22-24	78/22-24	40.2215	50-52	90/50-52	40.2525	44-46	102/44-46	40.2922
24-26	78/24-26	40.2216	52-54	90/52-54	40.2526	46-48	102/46-48	40.2923
26-28	78/26-28	40.2217	54-56	90/54-56	40.2527	48-50	102/48-50	40.2924
28-30	78/28-30	40.2218	56-58	90/56-58	40.2528	50-52	102/50-52	40.2925
30-32	78/30-32	40.2219	58-60	90/58-60	40.2529	52-54	102/52-54	40.2926
32-34	78/32-34	40.2220	60-62	90/60-62	40.2530	54-56	102/54-56	40.2927
34-36	78/34-36	40.2221	62-64	90/62-64	40.2531	56-58	102/56-58	40.2928
36-38	78/36-38	40.2222	64	90/64	40.2532	58-60	102/58-60	40.2929
38-40	78/38-40	40.2223				60-62	102/60-62	40.2930
40-42	78/40-42	40.2224	blind	94/0	40.2600	62-64	102/62-64	40.2931
42-44	78/42-44	40.2225	40-42	94/40-42	40.2620	64-66	102/64-66	40.2932
44-46	78/44-46	40.2226	42-44	94/42-44	40.2621	66-68	102/66-68	40.2933
46-48	78/46-48	40.2227	44-46	94/44-46	40.2622	68-70	102/68-70	40.2934
48-50	78/48-50	40.2228	46-48	94/46-48	40.2623	70-72	102/70-72	40.2935
50-52	78/50-52	40.2229	48-50	94/48-50	40.2624	72-74	102/72-74	40.2936
52-53	78/52-53	40.2230	50-52	94/50-52	40.2625	74-75	102/74-75	40.2937
53-54	78/53-54	40.2231	52-54	94/52-54	40.2626	75	102/75	40.2938
54	78/54	40.2232	54-56	94/54-56	40.2627	blind	103/0	40.3000
			56-58	94/56-58	40.2628	26-28	103/26-28	40.3013
blind	80/0	40.2300	58-60	94/58-60	40.2629	28-30	103/28-30	40.3014
28-30	80/28-30	40.2318	60-62	94/60-62	40.2630	32-34	103/32-34	40.3016
30-32	80/30-32	40.2319	62-64	94/62-64	40.2631	40-42	103/40-42	40.3020
32-34	80/32-34	40.2320	64	94/64	40.2632	42-44	103/42-44	40.3021
34-36	80/34-36	40.2321	blind	97/0	40.2700	44-46	103/44-46	40.3022
36-38	80/36-38	40.2322	40-42	97/40-42	40.2720	46-48	103/46-48	40.3023
38-40	80/38-40	40.2323	42-44	97/42-44	40.2721	48-50	103/48-50	40.3024
40-42	80/40-42	40.2324	44-46	97/44-46	40.2722	50-52	103/50-52	40.3025
42-44	80/42-44	40.2325	46-48	97/46-48	40.2723	52-54	103/52-54	40.3026
44-46	80/44-46	40.2326	48-50	97/48-50	40.2724	54-56	103/54-56	40.3027
46-48	80/46-48	40.2327	50-52	97/50-52	40.2725	56-58	103/56-58	40.3028
48-50	80/48-50	40.2328	52-54	97/52-54	40.2726	58-60	103/58-60	40.3029
50-52	80/50-52	40.2329	54-56	97/54-56	40.2727	60-62	103/60-62	40.3030
52-54	80/52-54	40.2330	56-58	97/56-58	40.2728	62-64	103/62-64	40.3031
54-56	80/54-56	40.2331	58-60	97/58-60	40.2729	64-66	103/64-66	40.3032
56-58	80/56-58	40.2332	60-62	97/60-62	40.2730	66-68	103/66-68	40.3033
58-60	80/58-60	40.2333	62-64	97/62-64	40.2731	68-70	103/68-70	40.3034
60	80/60	40.2334	64	97/64	40.2732	70-72	103/70-72	40.3035
blind	82/0	40.2400	blind	100/0	40.2800	72-74	103/72-74	40.3036
28-30	82/28-30	40.2418	40-42	100/40-42	40.2820	74-75	103/74-75	40.3037
30-32	82/30-32	40.2419	42-44	100/42-44	40.2821	75	103/75	40.3038
32-34	82/32-34	40.2420	44-46	100/44-46	40.2822	blind	105/0	40.3100
34-36	82/34-36	40.2421	46-48	100/46-48	40.2823	40-42	105/40-42	40.3120
36-38	82/36-38	40.2422	48-50	100/48-50	40.2824	42-44	105/42-44	40.3121
38-40	82/38-40	40.2423	50-52	100/50-52	40.2825	44-46	105/44-46	40.3122
40-42	82/40-42	40.2424	52-54	100/52-54	40.2826	46-48	105/46-48	40.3123
42-44	82/42-44	40.2425	54-56	100/54-56	40.2827	48-50	105/48-50	40.3124
44-46	82/44-46	40.2426	56-58	100/56-58	40.2828	50-52	105/50-52	40.3125
46-48	82/46-48	40.2427	58-60	100/58-60	40.2829	52-54	105/52-54	40.3126
48-50	82/48-50	40.2428	60-62	100/60-62	40.2830	54-56	105/54-56	40.3127
50-52	82/50-52	40.2429	62-64	100/62-64	40.2831	56-58	105/56-58	40.3128
52-54	82/52-54	40.2430	64-66	100/64-66	40.2832	58-60	105/58-60	40.3129
54-56	82/54-56	40.2431	66-68	100/66-68	40.2833	60-62	105/60-62	40.3130
56-58	82/56-58	40.2432	68-70	100/68-70	40.2834	62-64	105/62-64	40.3131
58-60	82/58-60	40.2433	70-72	100/70-72	40.2835	64-66	105/64-66	40.3132
60	82/60	40.2434	72-74	100/72-74	40.2836	66-68	105/66-68	40.3133
blind	90/0	40.2500	74-75	100/74-75	40.2837	68-70	105/68-70	40.3134
40-42	90/40-42	40.2520	75	100/75	40.2838	70-72	105/70-72	40.3135
42-44	90/42-44	40.2521	blind	102/0	40.2900	72-74	105/72-74	40.3136
44-46	90/44-46	40.2522	40-42	102/40-42	40.2920	74-75	105/74-75	40.3137
46-48	90/46-48	40.2523				75	105/75	40.3138

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
blind	107/0	40.3200	66-68	122/66-68	40.3533	76-78	131/76-78	40.3838
40-42	107/40-42	40.3220	68-70	122/68-70	40.3534	78-80	131/78-80	40.3839
42-44	107/42-44	40.3221	70-72	122/70-72	40.3535	80-82	131/80-82	40.3840
44-46	107/44-46	40.3222	72-74	122/72-74	40.3536	82-84	131/82-84	40.3841
46-48	107/46-48	40.3223	74-76	122/74-76	40.3537	84-86	131/84-86	40.3842
48-50	107/48-50	40.3224	76-78	122/76-78	40.3538	86-88	131/86-88	40.3843
50-52	107/50-52	40.3225	78-80	122/78-80	40.3539	88-90	131/88-90	40.3844
52-54	107/52-54	40.3226	80-82	122/80-82	40.3540	90-92	131/90-92	40.3845
54-56	107/54-56	40.3227	82-84	122/82-84	40.3541	92	131/92	40.3846
56-58	107/56-58	40.3228	84-86	122/84-86	40.3542	blind	146/0	40.3900
58-60	107/58-60	40.3229	86-88	122/86-88	40.3543	88-90	146/88-90	40.3920
60-62	107/60-62	40.3230	88-90	122/88-90	40.3544	90-92	146/90-92	40.3921
62-64	107/62-64	40.3231	90-92	122/90-92	40.3545	92-94	146/92-94	40.3922
64-66	107/64-66	40.3232	92	122/92	40.3546	94-96	146/94-96	40.3923
66-68	107/66-68	40.3233	blind	125/0	40.3600	96-98	146/96-98	40.3924
68-70	107/68-70	40.3234	60-62	125/60-62	40.3630	98-100	146/98-100	40.3925
70-72	107/70-72	40.3235	62-64	125/62-64	40.3631	100-102	146/100-102	40.3926
72-74	107/72-74	40.3236	64-66	125/64-66	40.3632	102-104	146/102-104	40.3927
74-75	107/74-75	40.3237	66-68	125/66-68	40.3633	104-106	146/104-106	40.3928
75-76	107/75-76	40.3238	68-70	125/68-70	40.3634	106-108	146/106-108	40.3929
76	107/76	40.3239	70-72	125/70-72	40.3635	108-110	146/108-110	40.3930
blind	110/0	40.3300	72-74	125/72-74	40.3636	110-112	146/110-112	40.3931
48-50	110/48-50	40.3324	74-76	125/74-76	40.3637	112-114	146/112-114	40.3932
50-52	110/50-52	40.3325	76-78	125/76-78	40.3638	114-116	146/114-116	40.3933
52-54	110/52-54	40.3326	78-80	125/78-80	40.3639	116-118	146/116-118	40.3934
54-56	110/54-56	40.3327	80-82	125/80-82	40.3640	118-120	146/118-120	40.3935
56-58	110/56-58	40.3328	82-84	125/82-84	40.3641	120	146/120	40.3936
58-60	110/58-60	40.3329	84-86	125/84-86	40.3642	blind	150/0	40.4000
60-62	110/60-62	40.3330	86-88	125/86-88	40.3643	88-90	150/88-90	40.4020
62-64	110/62-64	40.3331	88-90	125/88-90	40.3644	90-92	150/90-92	40.4021
64-66	110/64-66	40.3332	90-92	125/90-92	40.3645	92-94	150/92-94	40.4022
66-68	110/66-68	40.3333	92	125/92	40.3646	94-96	150/94-96	40.4023
68-70	110/68-70	40.3334	100	125/100	40.3650	96-98	150/96-98	40.4024
70-72	110/70-72	40.3335	blind	128/0	40.3700	98-100	150/98-100	40.4025
72-74	110/72-74	40.3336	60-62	128/60-62	40.3730	100-102	150/100-102	40.4026
74-76	110/74-76	40.3337	62-64	128/62-64	40.3731	102-104	150/102-104	40.4027
76-78	110/76-78	40.3338	64-66	128/64-66	40.3732	104-106	150/104-106	40.4028
78-80	110/78-80	40.3339	66-68	128/66-68	40.3733	106-108	150/106-108	40.4029
80	110/80	40.3340	68-70	128/68-70	40.3734	108-110	150/108-110	40.4030
blind	118/0	40.3400	70-72	128/70-72	40.3735	110-112	150/110-112	40.4031
60-62	118/60-62	40.3430	72-74	128/72-74	40.3736	112-114	150/112-114	40.4032
62-64	118/62-64	40.3431	74-76	128/74-76	40.3737	114-116	150/114-116	40.4033
64-66	118/64-66	40.3432	76-78	128/76-78	40.3738	116-118	150/116-118	40.4034
66-68	118/66-68	40.3433	78-80	128/78-80	40.3739	118-120	150/118-120	40.4035
68-70	118/68-70	40.3434	80-82	128/80-82	40.3740	120-122	150/120-122	40.4036
70-72	118/70-72	40.3435	82-84	128/82-84	40.3741	122-124	150/122-124	40.4037
72-74	118/72-74	40.3436	84-86	128/84-86	40.3742	124-125	150/124-125	40.4038
74-76	118/74-76	40.3437	86-88	128/86-88	40.3743	125	150/125	40.4039
76-78	118/76-78	40.3438	88-90	128/88-90	40.3744	blind	152/0	40.4100
78-80	118/78-80	40.3439	90-92	128/90-92	40.3745	88-90	152/88-90	40.4120
80-82	118/80-82	40.3440	92	128/92	40.3746	90-92	152/90-92	40.4121
82-84	118/82-84	40.3441	blind	131/0	40.3800	92-94	152/92-94	40.4122
84-86	118/84-86	40.3442	60-62	131/60-62	40.3830	94-96	152/94-96	40.4123
86-88	118/86-88	40.3443	62-64	131/62-64	40.3831	96-98	152/96-98	40.4124
88-90	118/88-90	40.3444	64-66	131/64-66	40.3832	98-100	152/98-100	40.4125
90	118/90	40.3445	66-68	131/66-68	40.3833	100-102	152/100-102	40.4126
blind	122/0	40.3500	68-70	131/68-70	40.3834	102-104	152/102-104	40.4127
60-62	122/60-62	40.3530	70-72	131/70-72	40.3835	104-106	152/104-106	40.4128
62-64	122/62-64	40.3531	72-74	131/72-74	40.3836	106-108	152/106-108	40.4129
64-66	122/64-66	40.3532	74-76	131/74-76	40.3837	108-110	152/108-110	40.4130

INSTALLATION INSTRUCTIONS

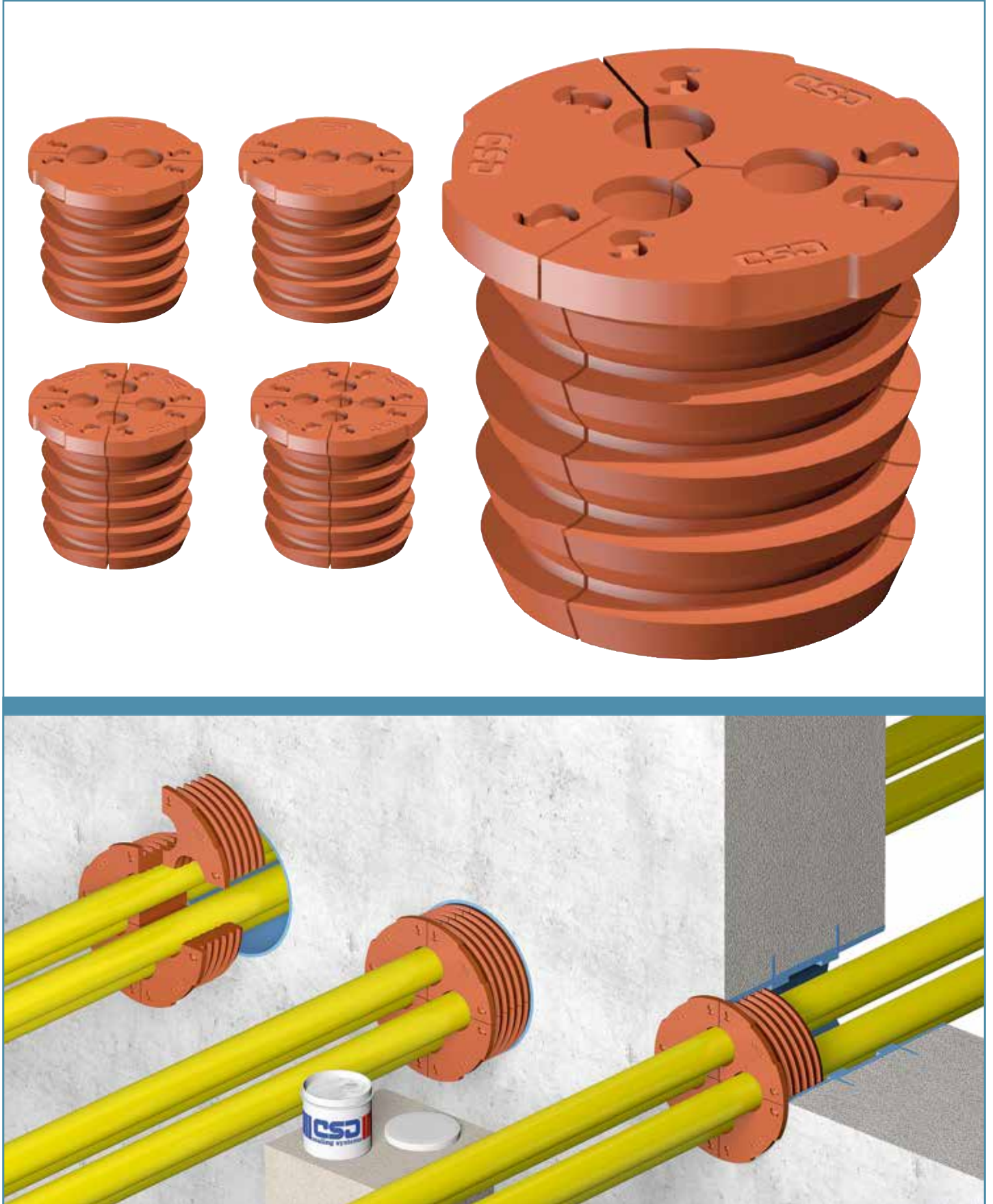
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
110-112	152/110-112	40.4131	106-108	160/106-108	40.4429	160	260/160	40.5210
112-114	152/112-114	40.4132	108-110	160/108-110	40.4430	164	260/164	40.5212
114-116	152/114-116	40.4133	110-112	160/110-112	40.4431	168	260/168	40.5214
116-118	152/116-118	40.4134	112-114	160/112-114	40.4432	200	260/200	40.5230
118-120	152/118-120	40.4135	114-116	160/114-116	40.4433	204	260/204	40.5232
120-122	152/120-122	40.4136	116-118	160/116-118	40.4434	219	260/219	40.5239
122-124	152/122-124	40.4137	118-120	160/118-120	40.4435	200	300/200	40.5321
124-125	152/124-125	40.4138	120-122	160/120-122	40.4436	219	300/219	40.5330
125	152/125	40.4139	122-124	160/122-124	40.4437	225	300/225	40.5333
blind	154/0	40.4200	124-125	160/124-125	40.4438	250	300/250	40.5346
88-90	154/88-90	40.4220	125	160/125	40.4439	219	339/219	40.5518
90-92	154/90-92	40.4221	blind	190/0	40.4500	273	339/273	40.5545
92-94	154/92-94	40.4222	110-112	190/110	40.4520	SLIPSIL® multi-sealing plugs consist of two equal parts, so that they can be installed after the cables or pipes have been laid. For selecting the right type of sealing plug, look for the plug series from the tables.  drinking water approval 		
94-96	154/94-96	40.4223	114-116	190/114	40.4523			
96-98	154/96-98	40.4224	125-127	190/125	40.4528			
98-100	154/98-100	40.4225	139-141	190/139	40.4533			
100-102	154/100-102	40.4226	142-144	190/142	40.4534			
102-104	154/102-104	40.4227	150-152	190/150	40.4538			
104-106	154/104-106	40.4228	153-155	190/153	40.4541			
106-108	154/106-108	40.4229	159-161	190/159	40.4543			
108-110	154/108-110	40.4230	blind	200/0	40.4600			
110-112	154/110-112	40.4231	110-112	200/110	40.4620			
112-114	154/112-114	40.4232	114-116	200/114	40.4623			
114-116	154/114-116	40.4233	120-122	200/120	40.4626			
116-118	154/116-118	40.4234	122-124	200/122	40.4627			
118-120	154/118-120	40.4235	125-127	200/125	40.4628			
120-122	154/120-122	40.4236	133-135	200/133	40.4631			
122-124	154/122-124	40.4237	135-137	200/135	40.4632			
124-125	154/124-125	40.4238	139-141	200/139	40.4633			
125	154/125	40.4239	141-143	200/141	40.4634			
blind	156/0	40.4300	159-160	200/159	40.4643			
88-90	156/88-90	40.4320	160	200/160	40.4644			
90-92	156/90-92	40.4321	blind	203/0	40.4700			
92-94	156/92-94	40.4322	110-112	203/110	40.4720			
94-96	156/94-96	40.4323	114-116	203/114	40.4723			
96-98	156/96-98	40.4324	125-127	203/125	40.4728			
98-100	156/98-100	40.4325	133-135	203/133	40.4731			
100-102	156/100-102	40.4326	139-141	203/139	40.4733			
102-104	156/102-104	40.4327	141-143	203/141	40.4734			
104-106	156/104-106	40.4328	159-161	203/159	40.4743			
106-108	156/106-108	40.4329	162-164	200/162	40.4744			
108-110	156/108-110	40.4330	168-170	203/168	40.4748			
110-112	156/110-112	40.4331	blind	207/0	40.4800			
112-114	156/112-114	40.4332	110-112	207/110	40.4820			
114-116	156/114-116	40.4333	114-116	207/114	40.4823			
116-118	156/116-118	40.4334	125-127	207/125	40.4828			
118-120	156/118-120	40.4335	129-131	207/129	40.4829			
120-122	156/120-122	40.4336	133-135	207/133	40.4831			
122-124	156/122-124	40.4337	139-141	207/139	40.4833			
124-125	156/124-125	40.4338	141-143	207/141	40.4834			
125	156/125	40.4339	156-158	207/156	40.4842			
blind	160/0	40.4400	159-161	207/159	40.4843			
88-90	160/88-90	40.4420	168-170	207/168	40.4848			
90-92	160/90-92	40.4421	160	250/160	40.5010			
92-94	160/92-94	40.4422	168	250/168	40.5014			
94-96	160/94-96	40.4423	171	250/171	40.5015			
96-98	160/96-98	40.4424	180	250/180	40.5020			
98-100	160/98-100	40.4425	200	250/200	40.5030			
100-102	160/100-102	40.4426						
102-104	160/102-104	40.4427						
104-106	160/104-106	40.4428						



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
6-7	40/2x6-7	40.0926	11-12	68/2x11-12	40.1936	15-16	90/2x15-16	40.2541
7-8	40/2x7-8	40.0927	12-13	68/2x12-13	40.1937	16-17	90/2x16-17	40.2542
8-9	40/2x8-9	40.0928	13-14	68/2x13-14	40.1938	17-18	90/2x17-18	40.2543
9-10	40/2x9-10	40.0929	14-15	68/2x14-15	40.1939	18-19	90/2x18-19	40.2544
10-11	40/2x10-11	40.0930	15-16	68/2x15-16	40.1940	19-20	90/2x19-20	40.2545
			16-17	68/2x16-17	40.1941	20-21	90/2x20-21	40.2546
6-7	41/2x6-7	40.1026	17-18	68/2x17-18	40.1942	21-22	90/2x21-22	40.2547
7-8	41/2x7-8	40.1027	18-19	68/2x18-19	40.1943	22-23	90/2x22-23	40.2548
8-9	41/2x8-9	40.1028	19-20	68/2x19-20	40.1944	23-24	90/2x23-24	40.2549
9-10	41/2x9-10	40.1029	20-21	68/2x20-21	40.1945	24-25	90/2x24-25	40.2550
10-11	41/2x10-11	40.1030	21-22	68/2x21-22	40.1946	25-26	90/2x25-26	40.2551
			22-23	68/2x22-23	40.1947			
6-7	43/2x6-7	40.1126	11-12	70/2x11-12	40.2036	* multi-plugs for other plug series are made upon customer request. The listed sizes are standard items. For other sizes, please contact our sales department. SLIPSIL® multi-sealing plugs for two up to five same diameter cables or pipes consist of two or four equal parts, so that they can be installed after the cables or pipes have been laid. For selecting the right type of sealing plug, look for the plug series from the tables.		
7-8	43/2x7-8	40.1127	12-13	70/2x12-13	40.2037			
8-9	43/2x8-9	40.1128	13-14	70/2x13-14	40.2038			
9-10	43/2x9-10	40.1129	14-15	70/2x14-15	40.2039			
10-11	43/2x10-11	40.1130	15-16	70/2x15-16	40.2040			
			16-17	70/2x16-17	40.2041			
6-7	50/2x6-7	40.1231	17-18	70/2x17-18	40.2042			
7-8	50/2x7-8	40.1232	18-19	70/2x18-19	40.2043			
8-9	50/2x8-9	40.1233	19-20	70/2x19-20	40.2044			
9-10	50/2x9-10	40.1234	20-21	70/2x20-21	40.2045			
10-11	50/2x10-11	40.1235	21-22	70/2x21-22	40.2046			
11-12	50/2x11-12	40.1236	22-23	70/2x22-23	40.2047			
12-13	50/2x12-13	40.1237						
13-14	50/2x13-14	40.1238	12-13	78/2x12-13	40.2241			
14-15	50/2x14-15	40.1239	13-14	78/2x13-14	40.2242			
15-16	50/2x15-16	40.1240	14-15	78/2x14-15	40.2243			
			15-16	78/2x15-16	40.2244			
6-7	53/2x6-7	40.1331	16-17	78/2x16-17	40.2245			
7-8	53/2x7-8	40.1332	17-18	78/2x17-18	40.2246			
8-9	53/2x8-9	40.1333	18-19	78/2x18-19	40.2247			
9-10	53/2x9-10	40.1334	19-20	78/2x19-20	40.2248			
10-11	53/2x10-11	40.1335	20-21	78/2x20-21	40.2249			
11-12	53/2x11-12	40.1336	21-22	78/2x21-22	40.2250			
12-13	53/2x12-13	40.1337	22-23	78/2x22-23	40.2251			
13-14	53/2x13-14	40.1338				drinking water approval 		
14-15	53/2x14-15	40.1339	12-13	80/2x12-13	40.2341			
15-16	53/2x15-16	40.1340	13-14	80/2x13-14	40.2342			
			14-15	80/2x14-15	40.2343			
6-7	55/2x6-7	40.1431	15-16	80/2x15-16	40.2344			
7-8	55/2x7-8	40.1432	16-17	80/2x16-17	40.2345			
8-9	55/2x8-9	40.1433	17-18	80/2x17-18	40.2346			
9-10	55/2x9-10	40.1434	18-19	80/2x18-19	40.2347			
10-11	55/2x10-11	40.1435	19-20	80/2x19-20	40.2348			
11-12	55/2x11-12	40.1436	20-21	80/2x20-21	40.2349			
12-13	55/2x12-13	40.1437	21-22	80/2x21-22	40.2350			
13-14	55/2x13-14	40.1438	22-23	80/2x22-23	40.2351			
14-15	55/2x14-15	40.1439				 		
15-16	55/2x15-16	40.1440	12-13	82/2x12-13	40.2441			
			13-14	82/2x13-14	40.2442			
11-12	60/2x11-12	40.1636	14-15	82/2x14-15	40.2443			
12-13	60/2x12-13	40.1637	15-16	82/2x15-16	40.2444			
13-14	60/2x13-14	40.1638	16-17	82/2x16-17	40.2445			
14-15	60/2x14-15	40.1639	17-18	82/2x17-18	40.2446			
15-16	60/2x15-16	40.1640	18-19	82/2x18-19	40.2447			
			19-20	82/2x19-20	40.2448			
11-12	62/2x11-12	40.1736	20-21	82/2x20-21	40.2449			
12-13	62/2x12-13	40.1737	21-22	82/2x21-22	40.2450			
13-14	62/2x13-14	40.1738	22-23	82/2x22-23	40.2451			
14-15	62/2x14-15	40.1739						
15-16	62/2x15-16	40.1740						

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
6-7	40/3x6-7	40.0936	14-15	80/3x14-15	40.2360	15-16	78/5x15-16	40.2271
7-8	40/3x7-8	40.0937	15-16	80/3x15-16	40.2361	10-11	80/5x10-11	40.2366
6-7	41/3x6-7	40.1036	10-11	82/3x10-11	40.2456	11-12	80/5x11-12	40.2367
7-8	41/3x7-8	40.1037	11-12	82/3x11-12	40.2457	12-13	80/5x12-13	40.2368
6-7	43/3x6-7	40.1136	12-13	82/3x12-13	40.2458	13-14	80/5x13-14	40.2369
7-8	43/3x7-8	40.1137	13-14	82/3x13-14	40.2459	14-15	80/5x14-15	40.2370
6-7	50/3x6-7	40.1241	14-15	82/3x14-15	40.2460	15-16	80/5x15-16	40.2371
7-8	50/3x7-8	40.1242	15-16	82/3x15-16	40.2461	10-11	82/5x10-11	40.2466
8-9	50/3x8-9	40.1243	10-11	90/3x10-11	40.2556	11-12	82/5x11-12	40.2467
6-7	53/3x6-7	40.1341	11-12	90/3x11-12	40.2557	12-13	82/5x12-13	40.2468
7-8	53/3x7-8	40.1342	12-13	90/3x12-13	40.2558	13-14	82/5x13-14	40.2469
8-9	53/3x8-9	40.1343	13-14	90/3x13-14	40.2559	14-15	82/5x14-15	40.2470
9-10	53/3x9-10	40.1344	14-15	90/3x14-15	40.2560	15-16	82/5x15-16	40.2471
10-11	53/3x10-11	40.1345	15-16	90/3x15-16	40.2561	* multi-plugs for other plug series are made upon customer request. The listed sizes are standard items. For other sizes, please contact our sales department.		
6-7	55/3x6-7	40.1441	40-41	125/3x40T	40.3658			
7-8	55/3x7-8	40.1442	38-39	160/3x38T	40.4448			
8-9	55/3x8-9	40.1443	44-45	160/3x44T	40.4454			
9-10	55/3x9-10	40.1444	40-41	160/4x40	40.2561			
10-11	55/3x10-11	40.1445	6-7	40/5x6-7	40.0941			
6-7	60/3x6-7	40.1646	7-8	40/5x7-8	40.0942			
7-8	60/3x7-8	40.1647	6-7	41/5x6-7	40.1041			
8-9	60/3x8-9	40.1648	7-8	41/5x7-8	40.1042			
9-10	60/3x9-10	40.1649	6-7	43/5x6-7	40.1141			
10-11	60/3x10-11	40.1650	7-8	43/5x7-8	40.1142			
6-7	62/3x6-7	40.1746	6-7	50/5x6-7	40.1251	 type code: series/3xcable diameter For instance 40/3x6-7		
7-8	62/3x7-8	40.1747	7-8	50/5x7-8	40.1252			
8-9	62/3x8-9	40.1748	8-9	50/5x8-9	40.1253			
9-10	62/3x9-10	40.1749	6-7	53/5x6-7	40.1351			
10-11	62/3x10-11	40.1750	7-8	53/5x7-8	40.1352			
6-7	68/3x6-7	40.1951	8-9	53/5x8-9	40.1353			
7-8	68/3x7-8	40.1952	9-10	53/5x9-10	40.1354			
8-9	68/3x8-9	40.1953	10-11	53/5x10-11	40.1355			
9-10	68/3x9-10	40.1954	6-7	55/5x6-7	40.1451			
10-11	68/3x10-11	40.1955	7-8	55/5x7-8	40.1452			
11-12	68/3x11-12	40.1956	8-9	55/5x8-9	40.1453	 type code: series/5xcable diameter For instance 40/5x6-7		
12-13	68/3x12-13	40.1957	9-10	55/5x9-10	40.1454			
6-7	70/3x6-7	40.2051	10-11	55/5x10-11	40.1455			
7-8	70/3x7-8	40.2052	6-7	68/5x6-7	40.1961			
8-9	70/3x8-9	40.2053	7-8	68/5x7-8	40.1962			
9-10	70/3x9-10	40.2054	8-9	68/5x8-9	40.1963			
10-11	70/3x10-11	40.2055	9-10	68/5x9-10	40.1964			
11-12	70/3x11-12	40.2054	10-11	68/5x10-11	40.1965			
12-13	70/3x12-13	40.2055	11-12	68/5x11-12	40.1966			
10-11	78/3x10-11	40.2256	12-13	68/5x12-13	40.1967			
11-12	78/3x11-12	40.2257	10-11	78/5x10-11	40.2266			
12-13	78/3x12-13	40.2258	11-12	78/5x11-12	40.2267			
13-14	78/3x13-14	40.2259	12-13	78/5x12-13	40.2268			
14-15	78/3x14-15	40.2260	13-14	78/5x13-14	40.2269			
15-16	78/3x15-16	40.2261	14-15	78/5x14-15	40.2270			
10-11	80/3x10-11	40.2356						
11-12	80/3x11-12	40.2357						
12-13	80/3x12-13	40.2358						
13-14	80/3x13-14	40.2359						

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

SLIPSIL® sealing plugs are made from NOFIRNO® silicone rubber developed by BEELE Engineering.

Fire safe HR embedded conduit system for an exact fit of the SLIPSIL® plugs.

Drilled hole in accordance with the tolerances of the SLIPSIL® sealing plugs.

SLIPSIL® sealing plug (terracotta colour)

SLIPSIL® sealing plugs for fire safe, water and gas tight sealing of conduit openings provided with the HR embedded pipes or drilled with diamond tipped concrete drills, for ducting steel or copper pipes.

ducted steel or copper pipe

Pipe or cable has to be ducted straight and centrally through the conduit opening.

SLIPSIL® sealing plug (terracotta colour)

SLIPSIL® plugs to be installed at both sides of the penetration.



drinking water approval



Tightness ratings of the SLIPSIL® sealing plugs up to 15 meter water column, when installed in fitting HR conduit sleeves.

Tightness rating in drilled holes depending on tolerances, roundness and the state of the concrete.

Ducted pipes, depending on size and type, have to be insulated to prevent temperature rise in excess of 180 °C to obtain a higher time related EI classification.

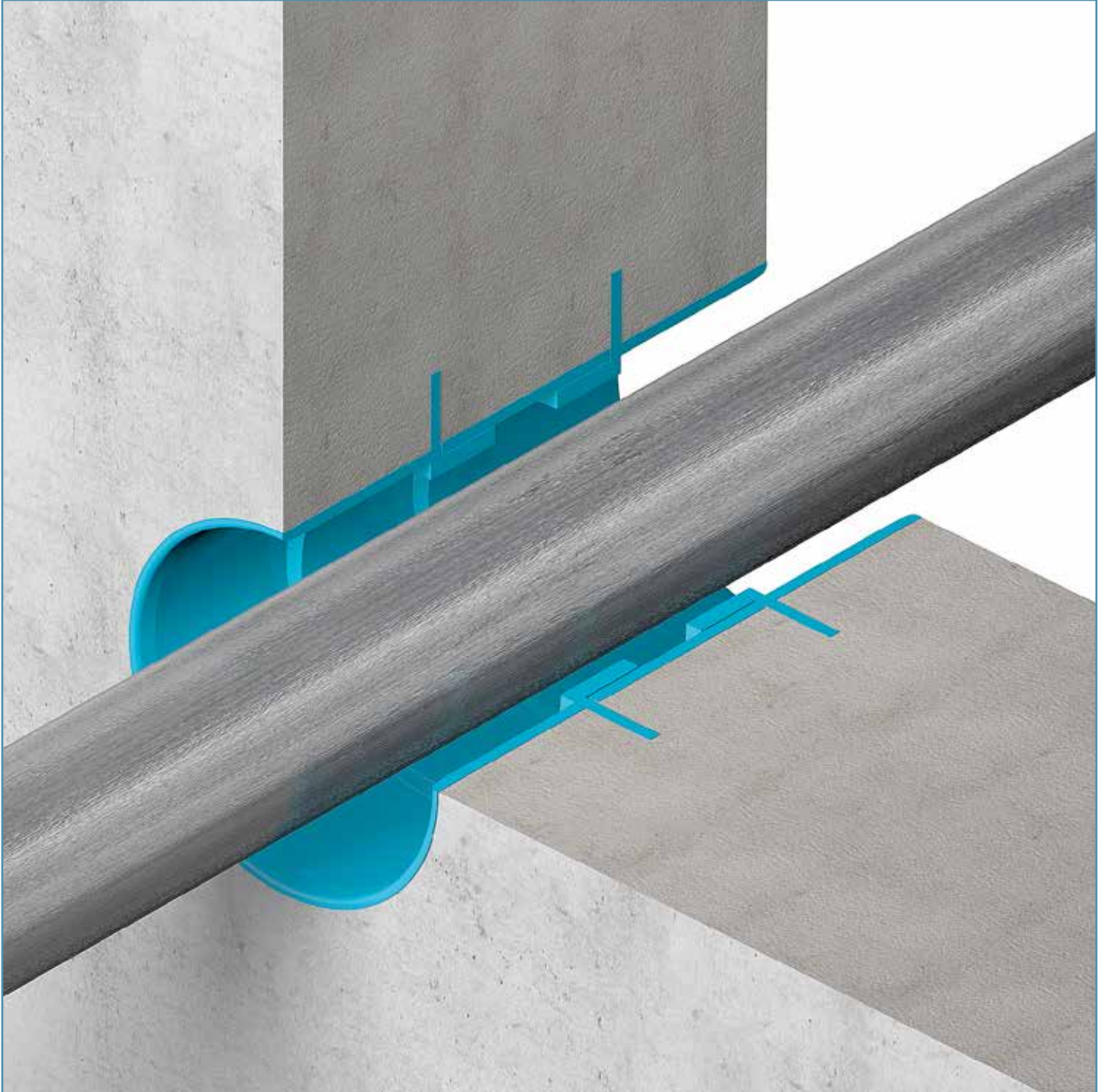


Fire classification according to EN 13501-2: 2007 +A1:2009 & EN 15882-3:2009 EI 120-C/U - E120-C/U in 150 mm thick partitions. Tested according EN 1366-3:2009.

Maximum diameter steel pipes 159 mm; maximum diameter copper pipes 108 mm. European Technical Approval ETA 13/0152.

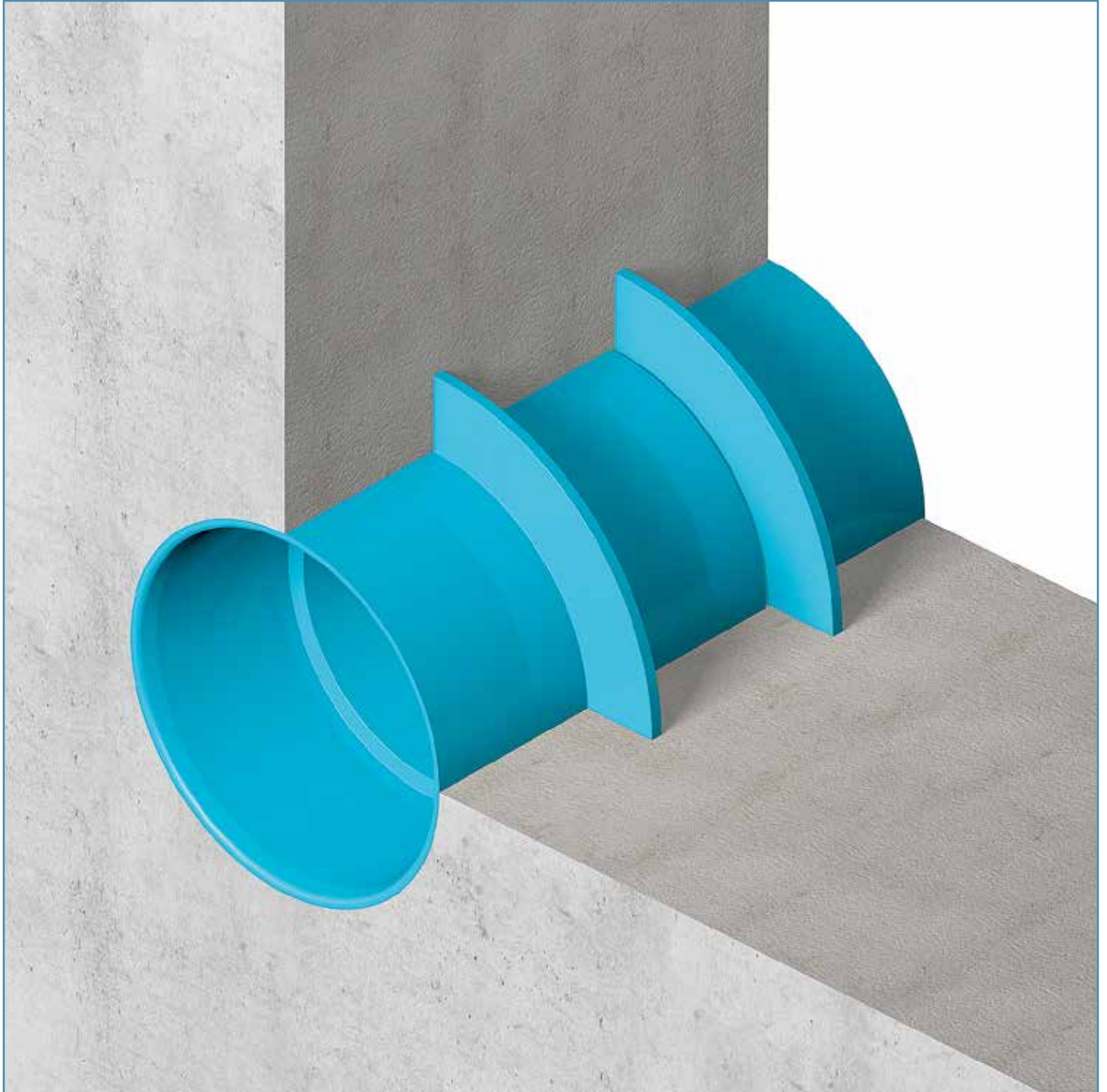
INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® embedded conduit inlet system consists of SLIPSIL® sealing plugs and exactly-fitting SLIPSIL® conduit sleeves. Optimum performance for gas- and water tightness is obtained with the SLIPSIL® embedded conduit inlet system. The internal dimensions of the sleeves are nominal for the sealing plugs to be used. This means that the SLIPSIL® plugs are easier to install because this is affected only by the max./min. tolerance of the ducted pipe/cable. Also, the entry of the conduit sleeve is chamfered so that damage to the plug during fitting is prevented. A shoulder inside the conduit sleeve prevents the plugs being inserted too far inside.

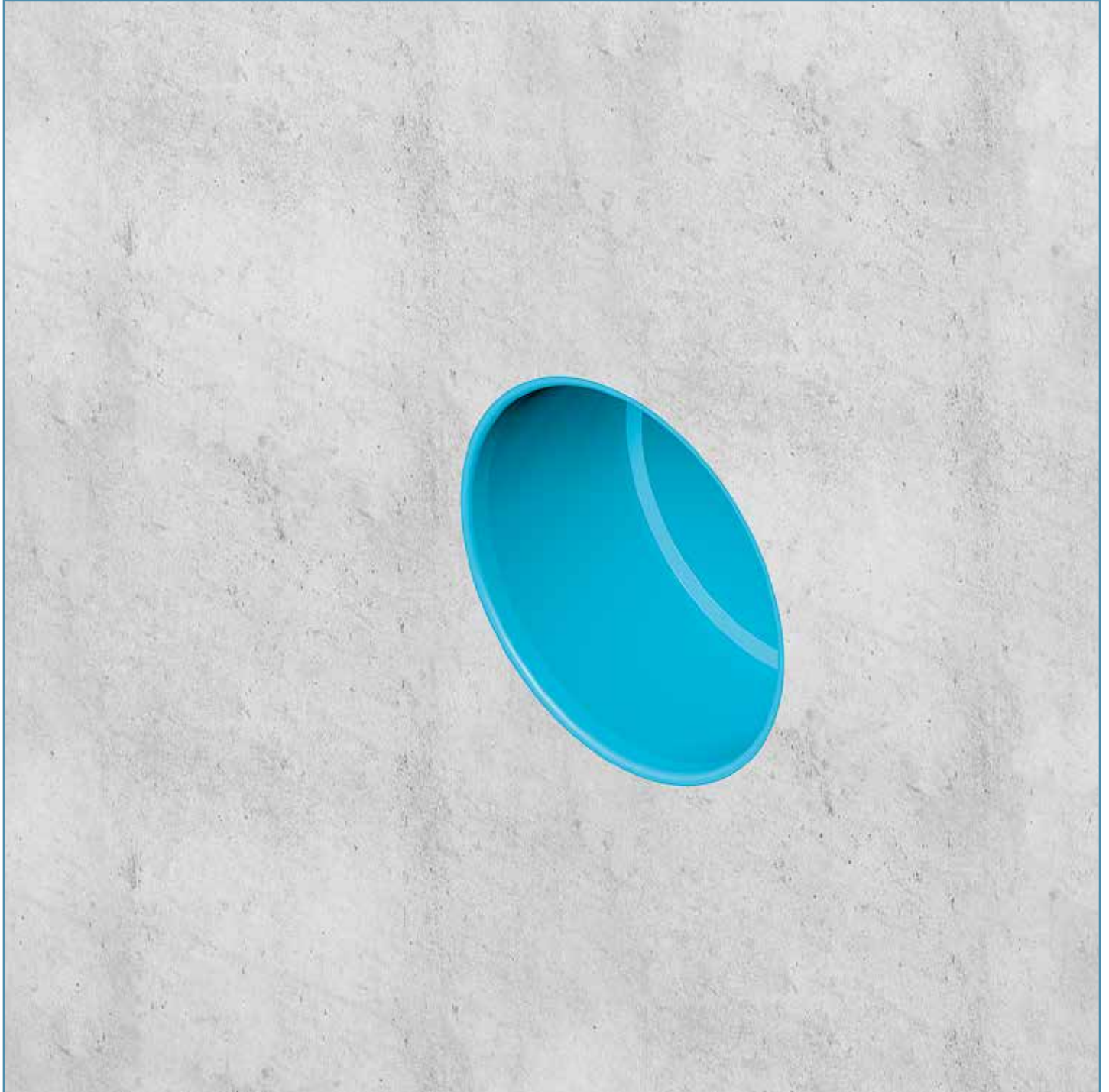
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® conduit sleeves are made of impact-resistant plastic. For penetrations that are to be only gas- and watertight, blue ABS plastic is used; for penetrations that are fire-resistant as well, black HR plastic. The flanges of the conduit sleeves act as a water barrier inside the concrete. The SLIPSIL® embedded conduit inlet system is modular and can be adapted easily to the thickness of the foundations, walls and floors on the building site. The adjustment pipes, supplied in standard lengths of 200 mm (ABS) and 300 mm (HR), are then sawn to the right length on site.

INSTALLATION INSTRUCTIONS

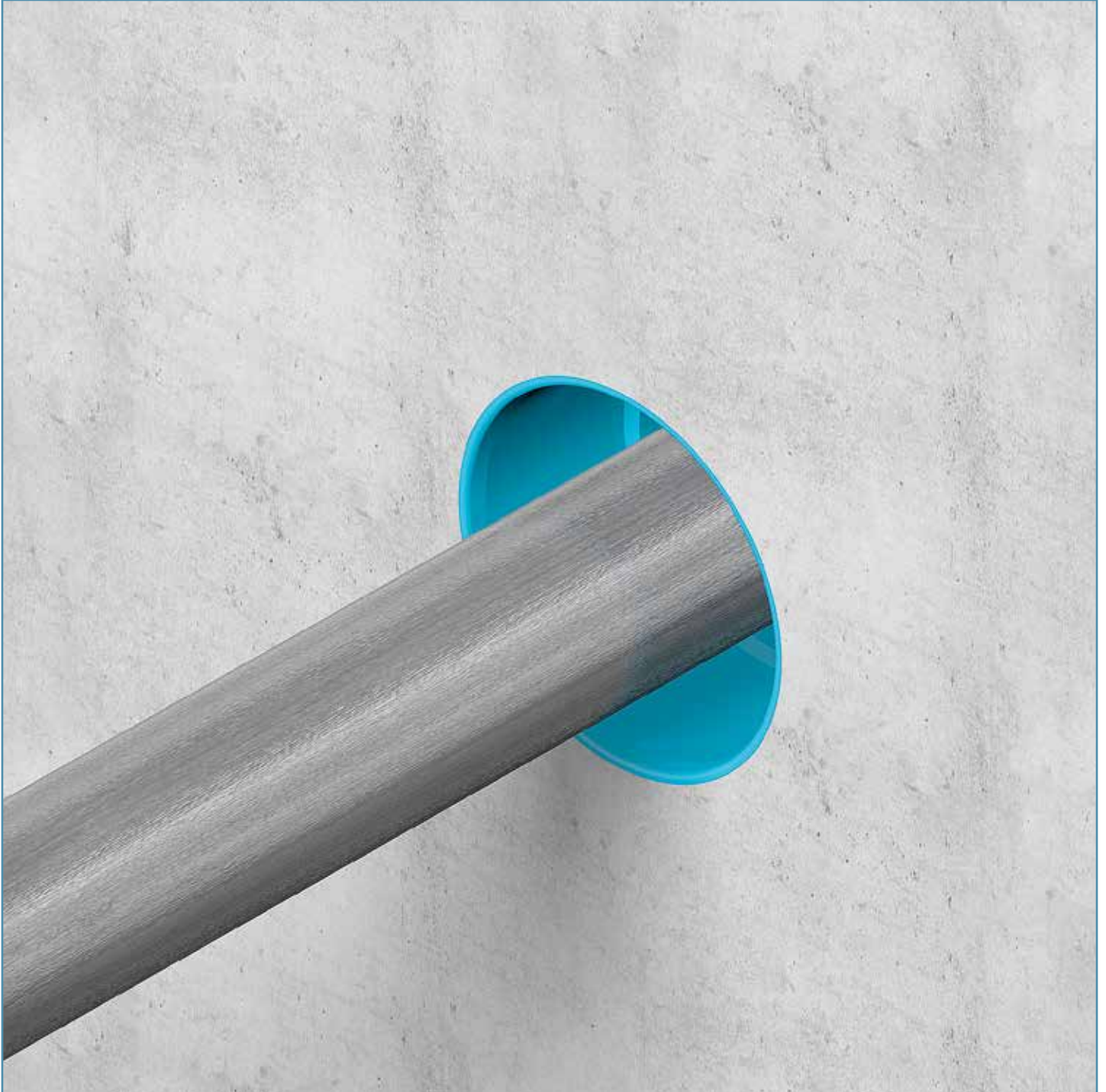
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® conduit sleeve after removal of the formwork. The depth in the conduit sleeve corresponds to the length of the SLIPSIL® plug that is inserted. The shoulder inside the conduit sleeve prevents the SLIPSIL® plug being inserted too far so preventing the plug's flange being damaged. The entry of the conduit sleeve is chamfered and its interior is extremely smooth, so that the serrations of the SLIPSIL® can glide properly and without damage during assembly. Damage to the profiling of the SLIPSIL® plug in particular can lead to leaks.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



Preferably use the SLIPSIL® embedded conduit inlet system to ensure exact fitting conduit openings and optimum water tightness/fixation in concrete. The conduit system made of ABS plastic is supplied to a max. internal diameter of 200 mm for pipes/cables up to 168 mm, and of HR plastic to a max. internal diameter of 250 mm for pipes up to 200 mm.

The pipe/cable must be ducted straight and centrally.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



Before starting installation, any dirt and grease residues must be removed from the transit sleeve. The SLIPSIL® sealing plugs are manufactured from high-grade NOFIRNO® rubber. This type of rubber ensures the product's surface is extremely smooth. The rubber is also flexible and of optimum hardness. Nevertheless, when installing the SLIPSIL® plugs, due to the design of the profiling present on the plugs, resistance is built up. It is therefore important to grease the inner wall of the conduit sleeve as far as the shoulder with CSD® lubricant.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



ARTICLE NUMBER 60.0900

Before installation check that the type of the SLIPSIL® sealing plug corresponds to that of the embedded conduit sleeve, and also if the outer dimension of the ducted pipe is within the tolerances of the sealing plug. The correct plug is chosen based on the internal diameter of the conduit opening and the external diameter of the ducted pipe/cable.

The insides of both segments of the SLIPSIL® sealing plug are greased with CSD® lubricant. Grease the flat split surfaces too. Use sufficient lubricant. This just makes the installation easier.

CSD® lubricant is an acid free, pharmaceutical petroleum jelly and will disappear after installation.

INSTALLATION INSTRUCTIONS

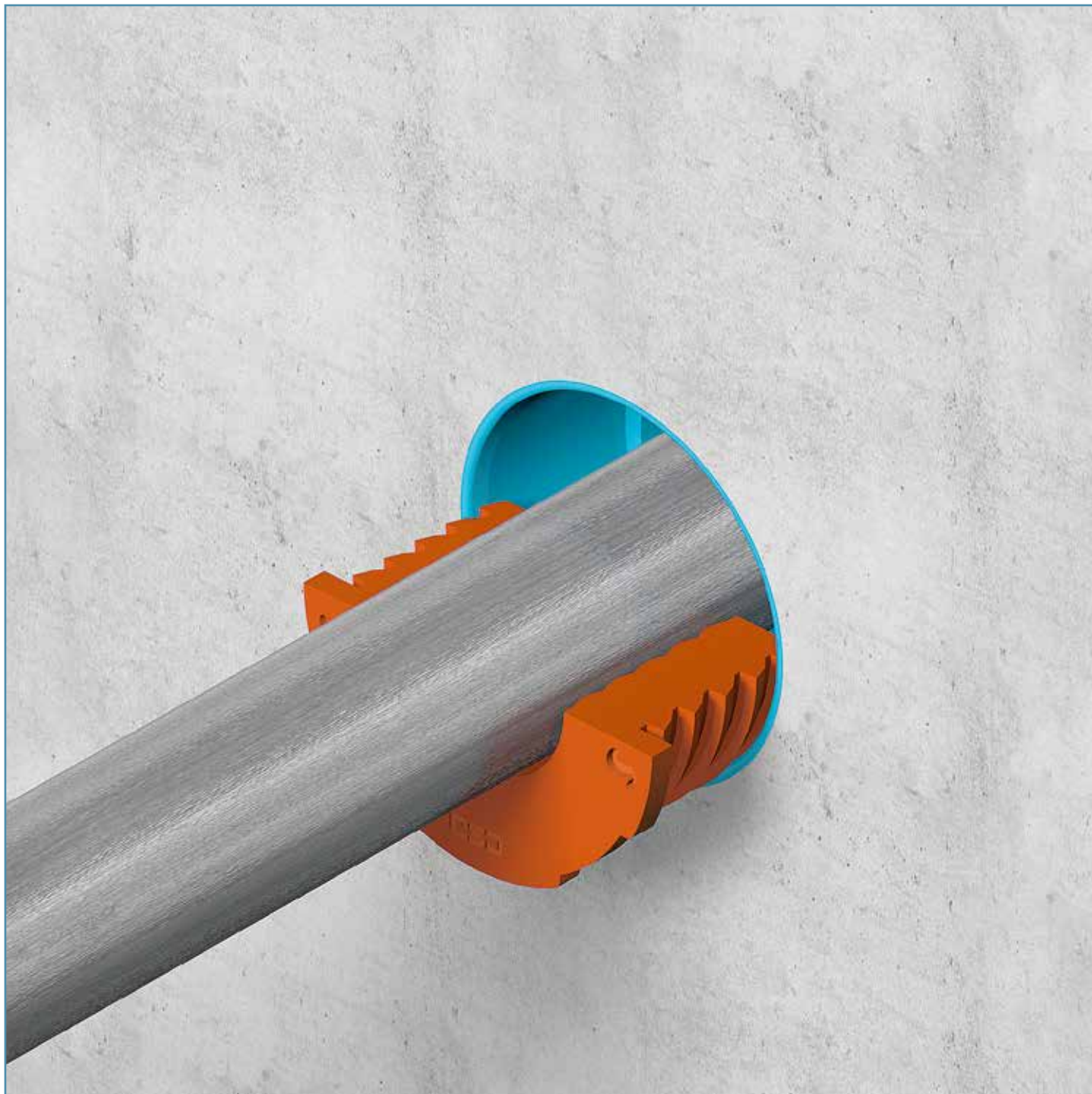
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The segments of the SLIPSIL® sealing plug are also treated with CSD® lubricant on the outside. Please refer to the Safety Data Sheet of the CSD® lubricant for more information.

INSTALLATION INSTRUCTIONS

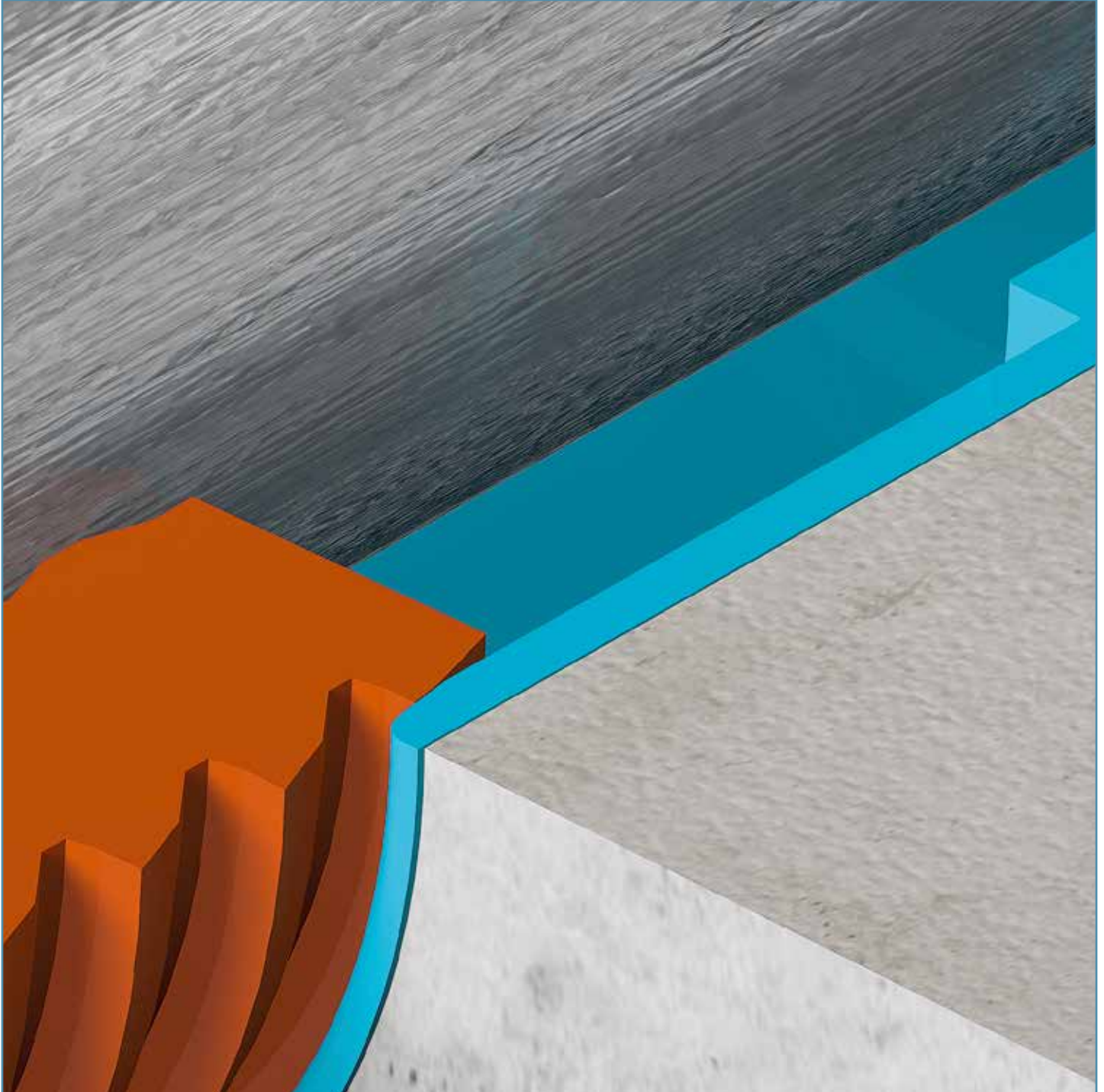
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



Both segments of the SLIPSIL® sealing plug are placed around the ducted pipe and then pushed into the conduit sleeve as far as the first serration. The first serration is smaller than the other serrations to make this procedure very easy.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

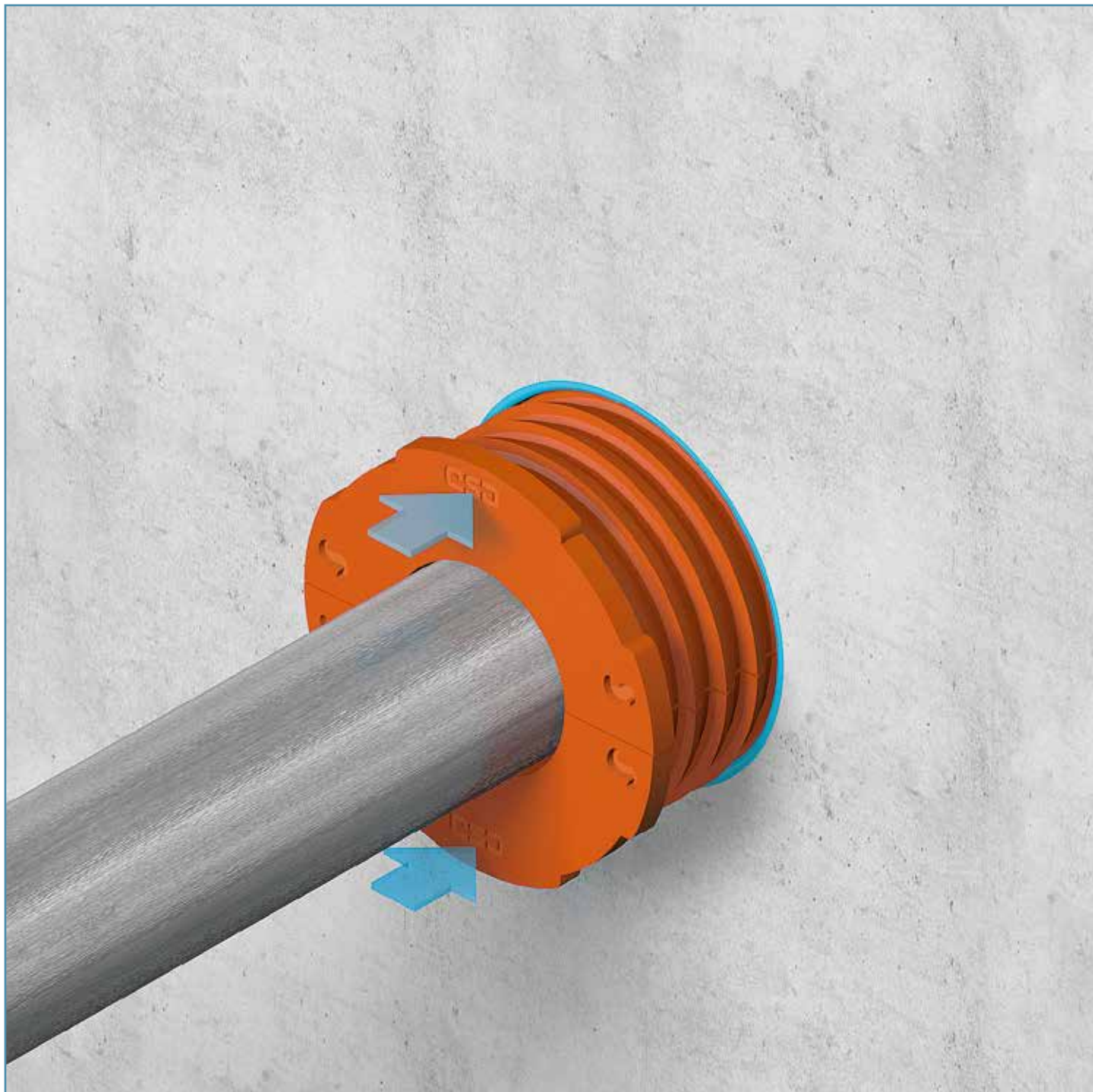


The front side of the conduit sleeve is milled to allow for a perfect sliding of the profiles during further insertion. In addition, it is designed for positioning the segments inside the conduit sleeve. The serration at the back of the plugs has a smaller diameter than the other serrations.

For ease of installation, it is advisable to select SLIPSIL® sealing plugs with sufficient wall thickness. Plugs with a very thin wall thickness are less easy to install.

INSTALLATION INSTRUCTIONS

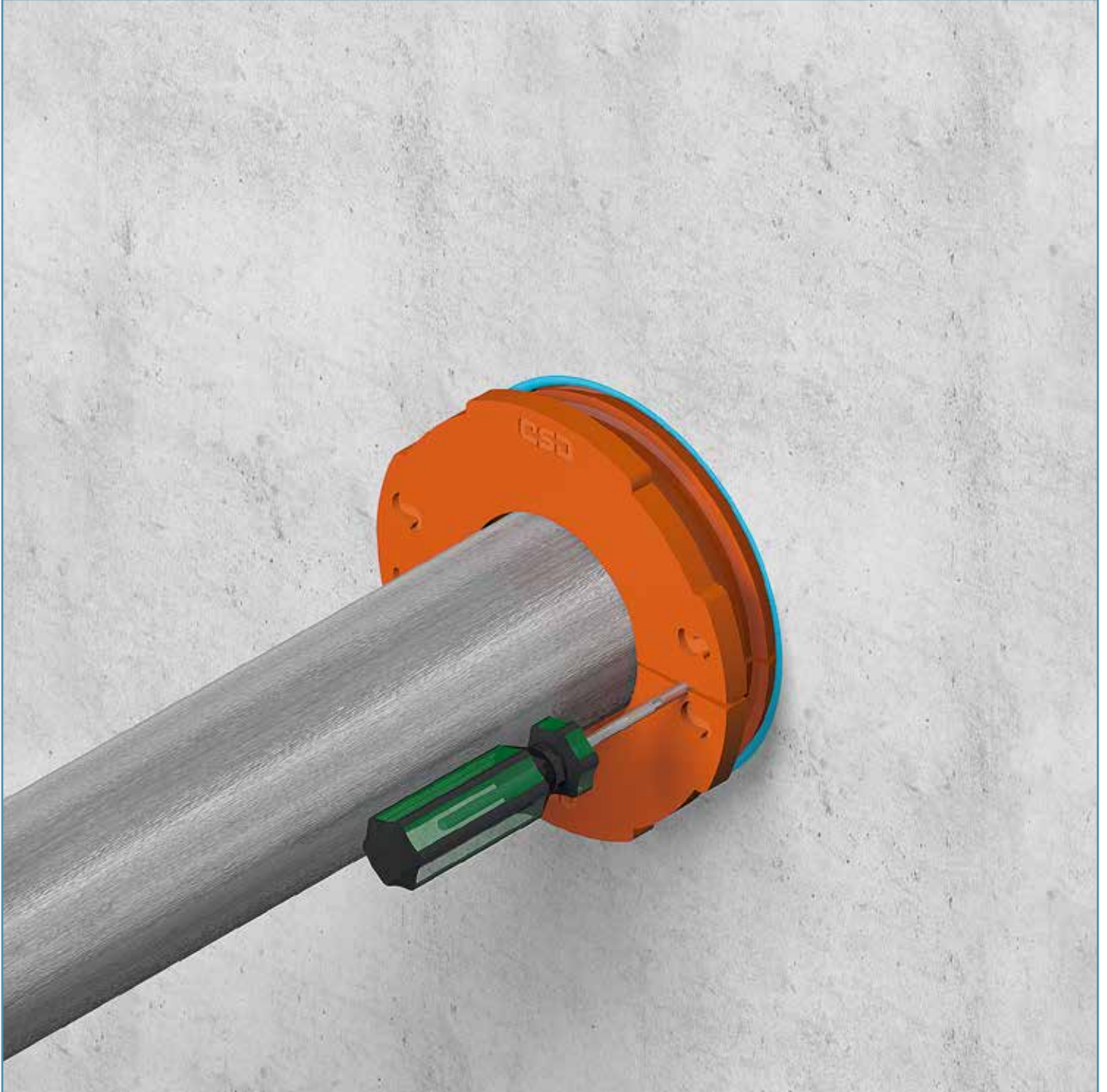
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



Both segments of the SLIPSIL® sealing plug are pushed by hand evenly, serration by serration, further into the conduit sleeve. Push the plug in as far as possible in one try. When the insertion is stopped, the serrated profiles will settle themselves immediately against the wall of the conduit sleeve. The resistance for further insertion will then be increased substantially.

INSTALLATION INSTRUCTIONS

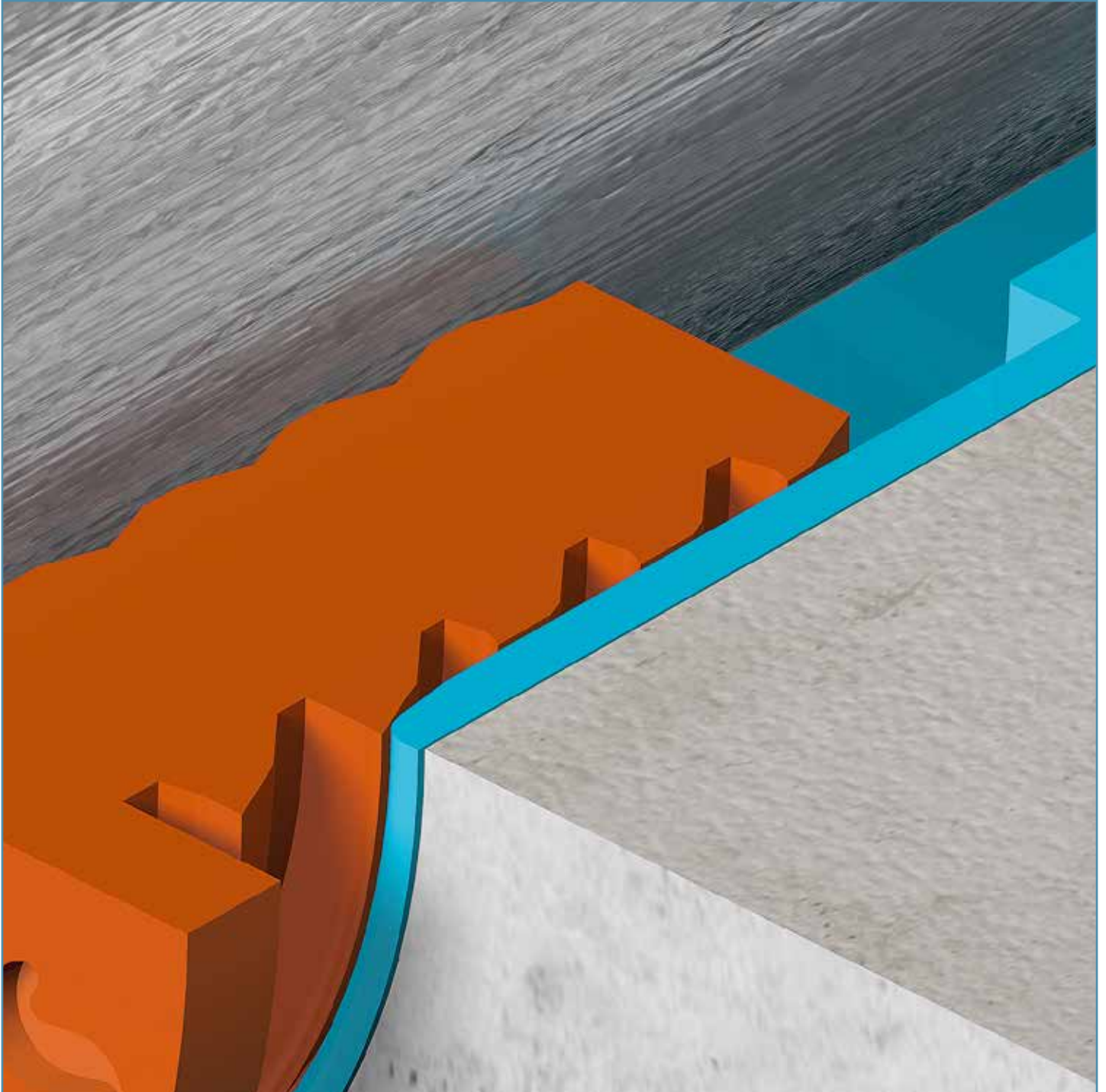
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



SLIPSIL® sealing plugs are already tight when the first serrations are inside the conduit sleeve. This means that during insertion of the second sealing plug, the air in between both plugs will be compressed. The pressure can get so high that it will be impossible to insert the second plug fully. For this reason, from time to time the compressed air has to be released by inserting a flat screwdriver in between both plugs halves. Be careful not to damage the sealing plug. It is advisable to treat the screwdriver with CSD® lubricant before inserting.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

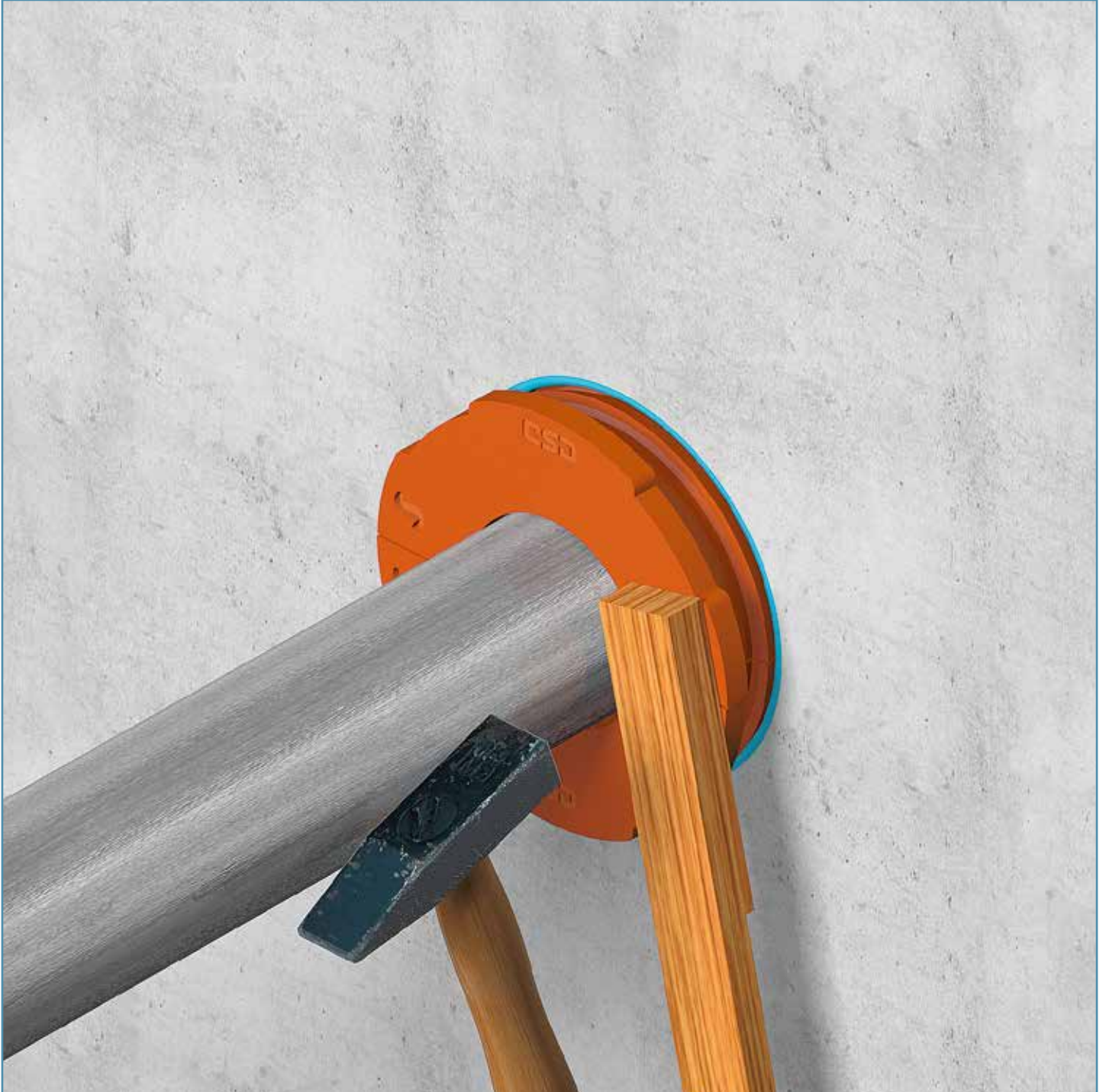


The serrated profiles on the outside of the SLIPSIL® sealing plugs are bent during insertion and flattened against the wall of the conduit sleeve. This creates surface resistance. The inner ribs at the inside of the plugs are also reshaped during insertion and will obtain also a larger contact surface.

It will be clear that the dimensioning of the conduit sleeve is of crucial importance. By making use of the SLIPSIL® embedded conduit inlet system, the conditions for ease of installation are optimized.

INSTALLATION INSTRUCTIONS

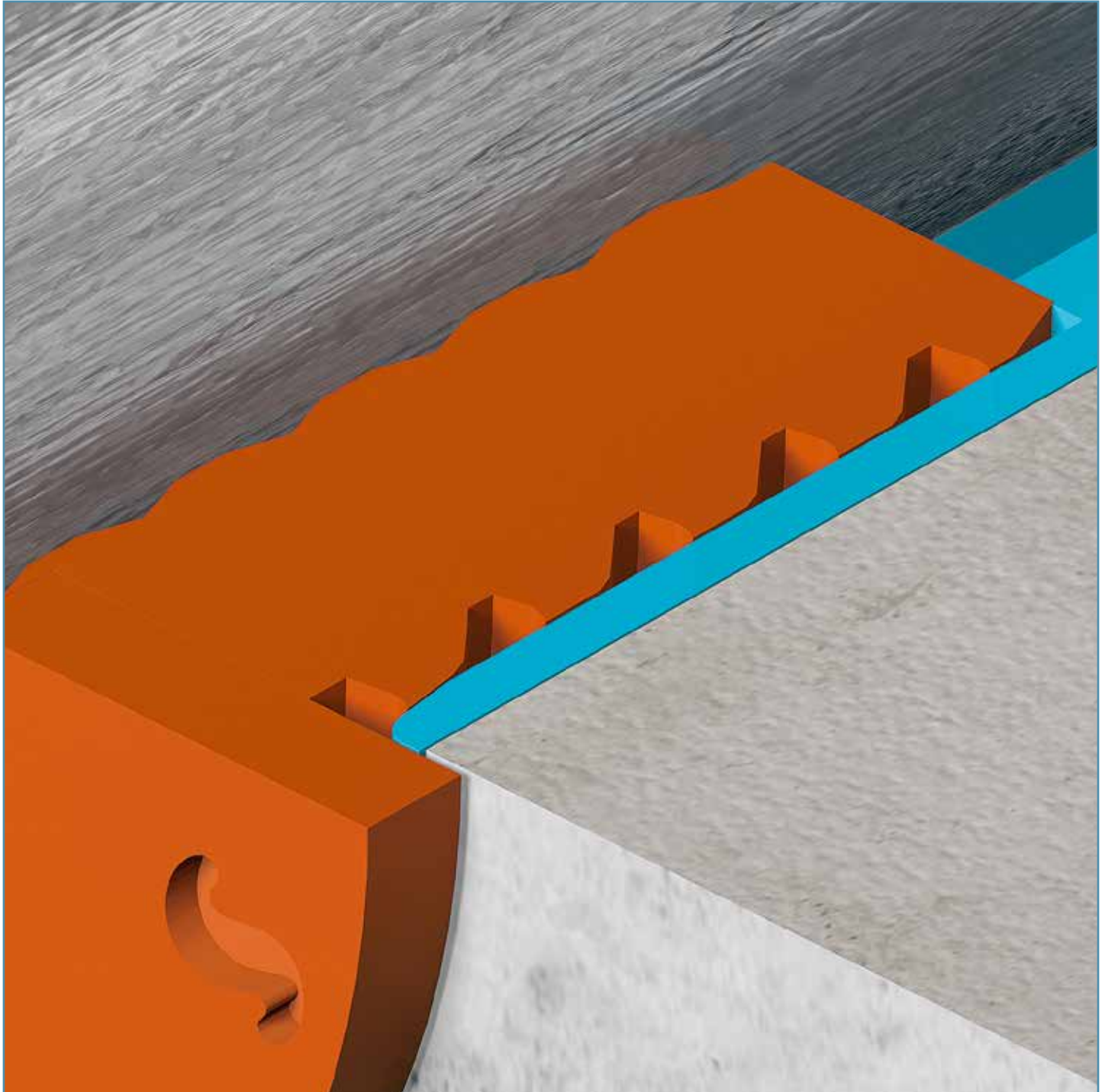
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



Depending on the dimensions of the ducted pipe, particularly with the larger plugs sizes, it might be difficult to push the plugs fully into the conduit opening by hand. The resistance built up by the serrated profiles can be too high to be able to do this. The circumference of the larger plugs is greater than that of the smaller ones so that the surface friction is of course significantly greater. In such a case, the SLIPSIL® sealing plug can be tapped in using a hammer and a piece of wood. Use a flat piece of wood to prevent the flange of the plug from damage. Also, tapping in further has to be done equally on both segments.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® sealing plug fully inserted in the SLIPSIL® conduit sleeve with a shoulder inside. The shoulder makes further insertion impossible. The flange of the plug is flush with the front side of the conduit sleeve. For fire rated conduits, but also for installations with higher pressure ratings, the plugs have to be applied at both sides. Another advantage of the SLIPSIL® sealing system is the reduced conduit depth, compared to the non-SLIPSIL® conduit sleeves.

The engineered design of the profiles ensures that the rubber is hardly exposed to any compressive loads and will therefore maintain the tightness ratings over a long service life.

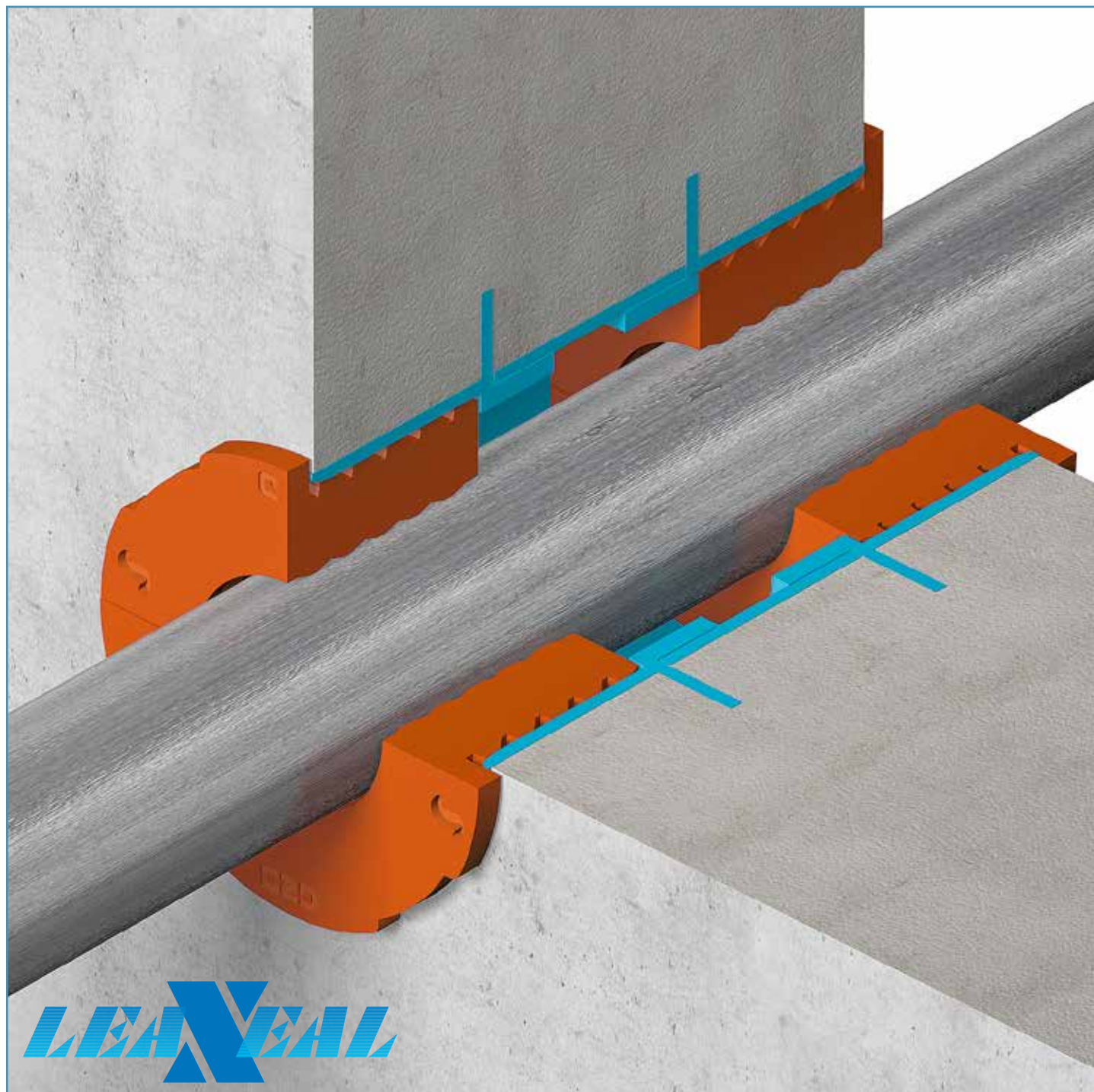
INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



For horizontal ducts of heavy pipes/cables, it is extremely important to support the pipes properly at both sides of the conduit. The NOFIRNO® rubber, from which the SLIPSIL® sealing plugs are made, allows for application in a wide temperature range from -50 up to +180 °C. NB: Use the HR conduit system for temperatures > 75°C. The SLIPSIL® sealing system offers excellent durability. NOFIRNO® rubber has very good UV, Ozone and weathering resistance. The NOFIRNO® rubber has superior endothermic properties and is not consumed by fire. The system contains no metal parts. The NOFIRNO® rubber has drinking water approval.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



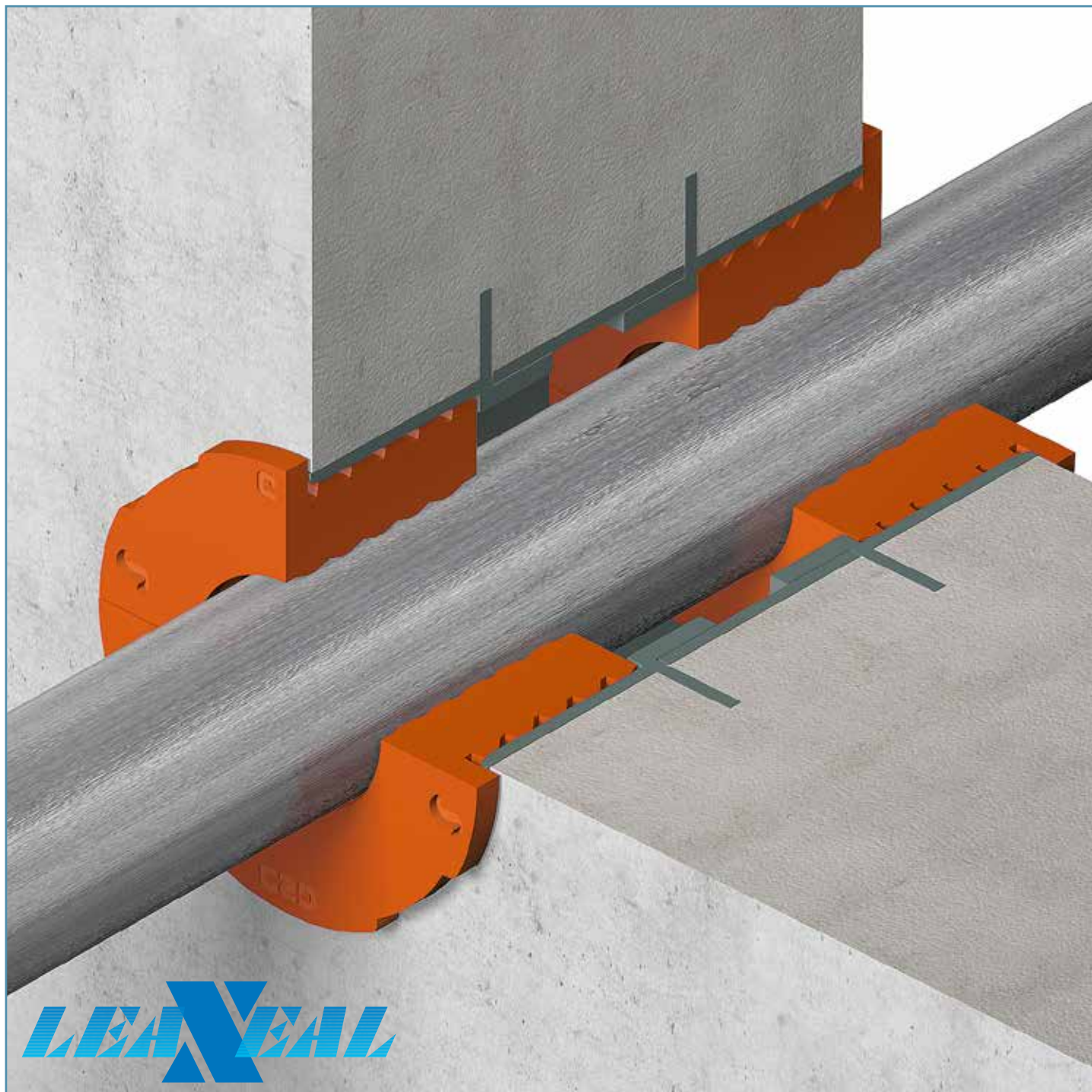
LEAXEAL® technology.

Several options are possible with the CSD® embedded conduit pipe system. Conduit inlets at both sides with an adjustment pipe in between the inlets to enable application of the SLIPSIL® plugs at both sides of the wall/floor is the most usual application

Due to the air trapped between the plugs, a high degree of thermal insulation is obtained, and moreover the noise-attenuating properties are superior.

INSTALLATION INSTRUCTIONS

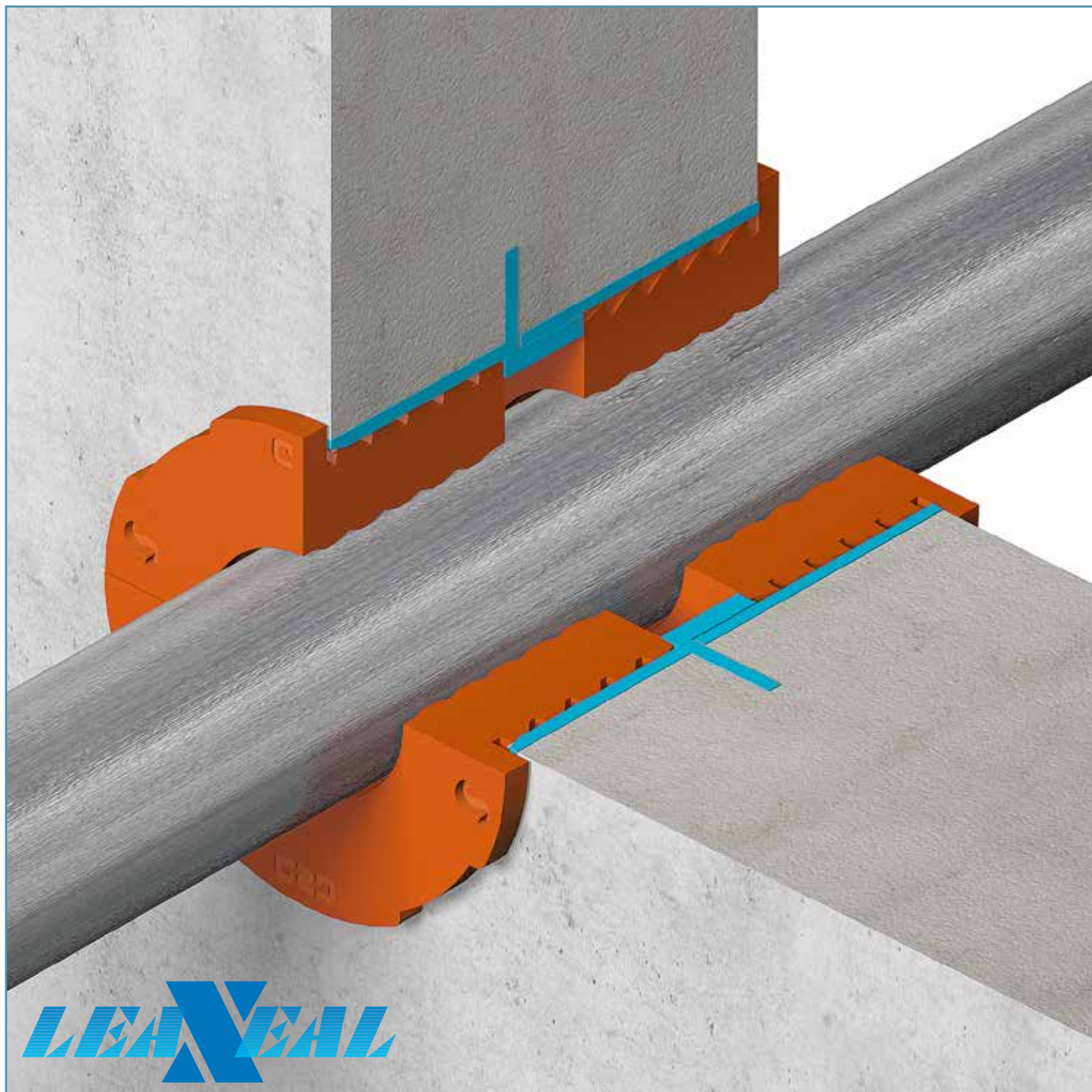
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



LEAXEAL® technology.

For fire-resistant penetrations and penetrations of hot pipes, use the SLIPSIL® embedded conduit inlet system of HR plastic.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



LEAXEAL® technology.

In cases of limited wall/floor thickness, a conduit inlet at the exposed side with a length of the adjustment pipe to be cast in. In this option the SLIPSIL® plugs can also be installed at both sides..

NB: for fire-resistant penetrations, the minimum wall/floor thickness is 150 mm.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND MULTI-SEALING PLUGS



SLIPSIL® multi-sealing plugs consist of two, three or four segments. The installation of the multi-plugs consisting of two segments is similar to the installation of the SLIPSIL® sealing plugs for sealing one ducted pipe. Note: the ducted pipes have to be ducted straight with a distance in between the pipes corresponding to the hole configuration of the multi-plugs.

All segments of the multi-plugs are treated with CSD® lubricant on the inside.

Please refer to the Safety Data Sheet of the CSD® lubricant for more information.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND MULTI-SEALING PLUGS

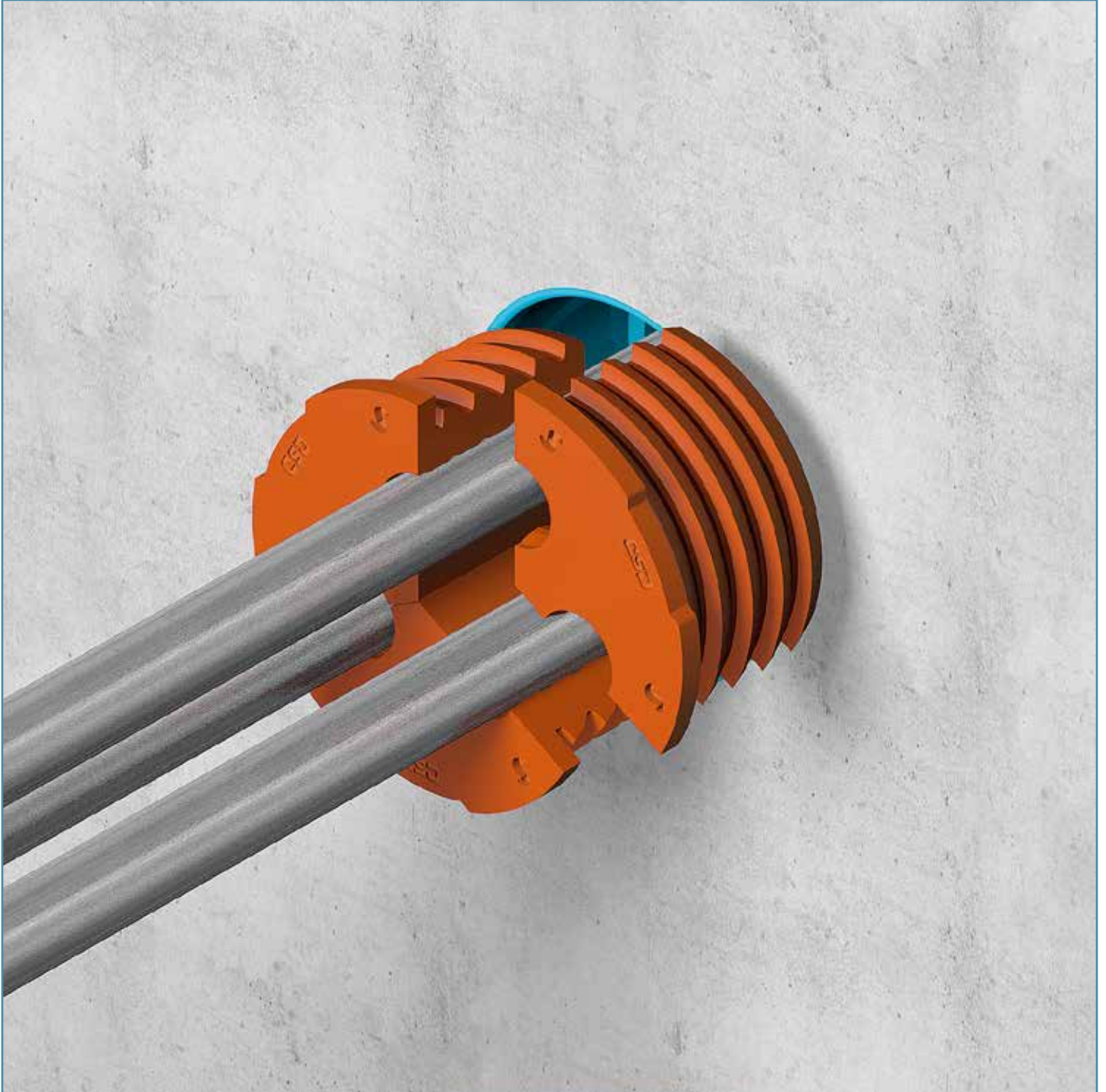


The segments are also treated with CSD® lubricant on the outside.

Note: before starting the installation procedure, any dirt and oil residues should be removed from the conduit sleeve. Then the inside wall of the conduit sleeve is treated with CSD® lubricant. Please refer to the Safety Data Sheet of the CSD® lubricant for more information.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND MULTI-SEALING PLUGS

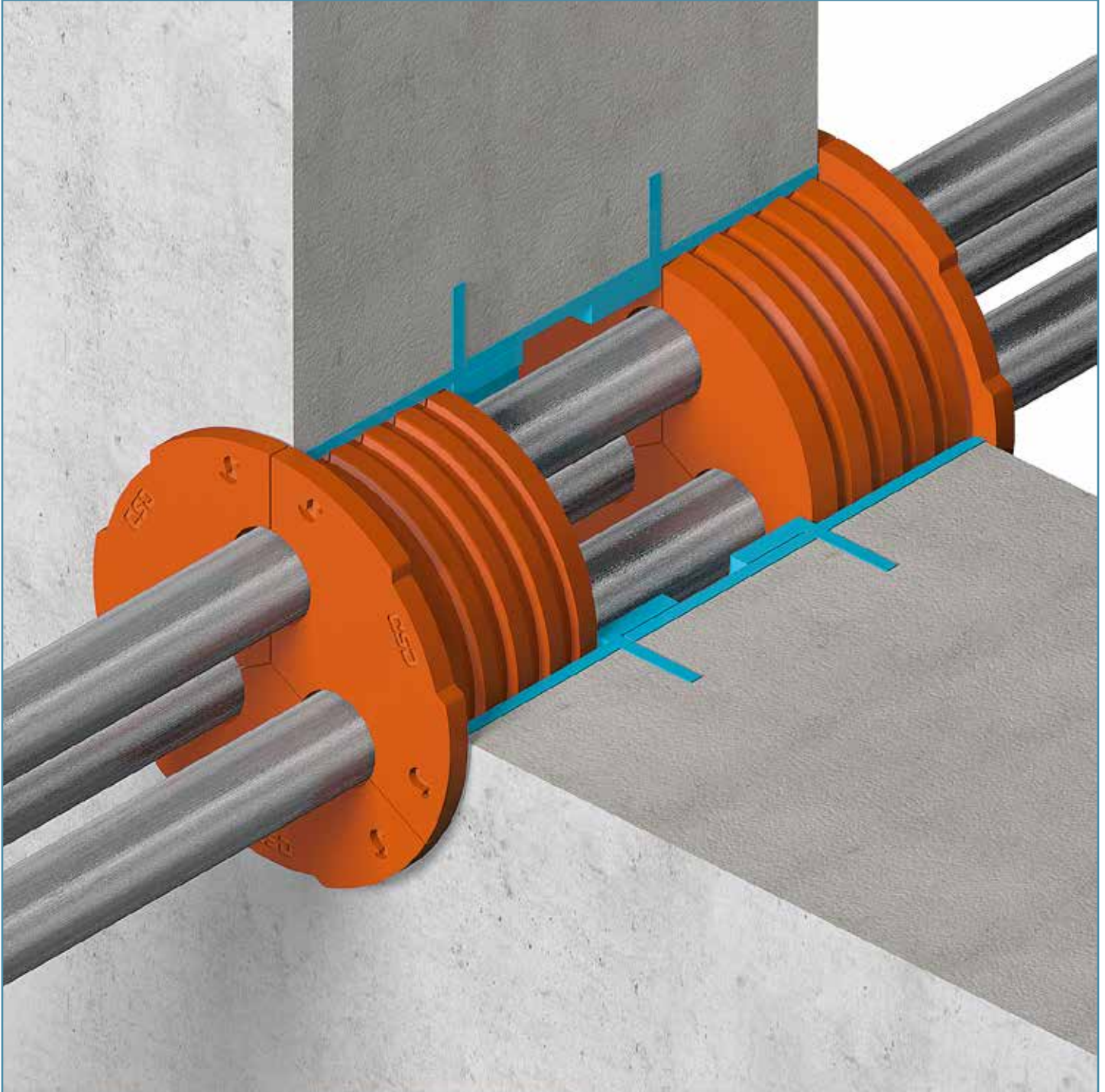


The segments of the SLIPSIL® multi-sealing plug are placed around the ducted pipes and then pushed into the conduit sleeve as far as the first serration. The first serration is smaller than the other serrations to make this procedure very easy.

Then the three or four segments of the SLIPSIL® multi-sealing plug are pushed by hand evenly, serration by serration, further into the conduit sleeve.

Further finishing of the installation according to the instructions of the SLIPSIL® plugs for single pipes.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND MULTI-SEALING PLUGS



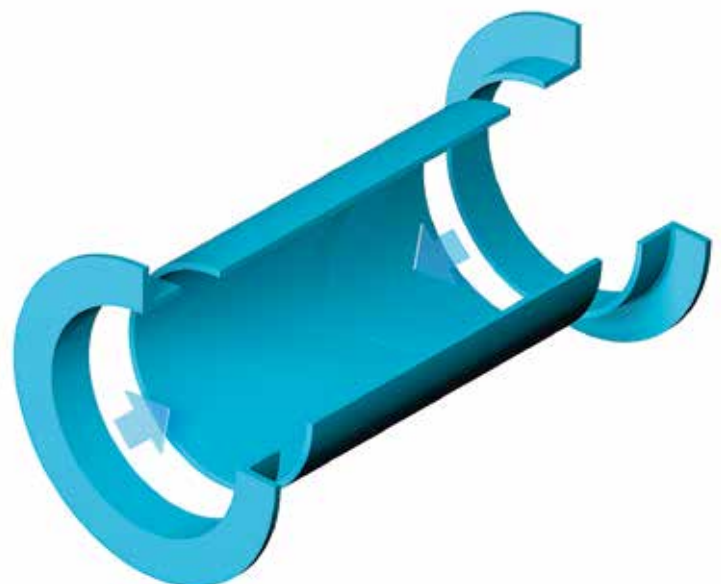
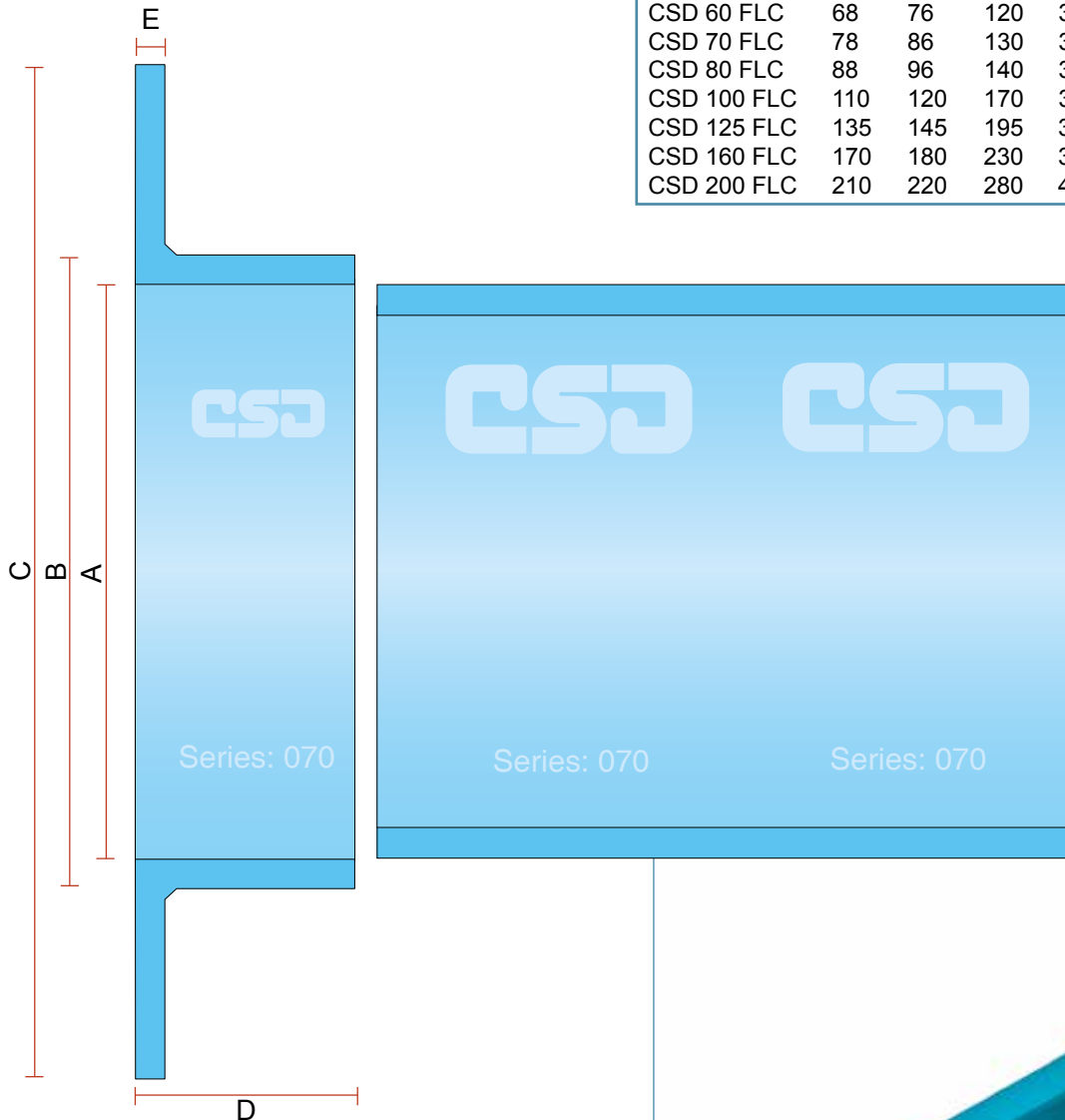
The flanged edge of the sealing plugs must be flush against the front side of the conduit sleeve. This is automatically guaranteed when the SLIPSIL® sealing plugs are inserted in the SLIPSIL® conduit sleeves with a shoulder inside. The flange has a distinctive design and is clearly marked with the CSD® and **S**(lipsil)® logo.

SLIPSIL® sealing plugs always have to be inserted in both ends of conduits for heavy pipes, to cope with settling in front of the foundation, in drilled holes and for fire rated penetrations.

INSTALLATION INSTRUCTIONS

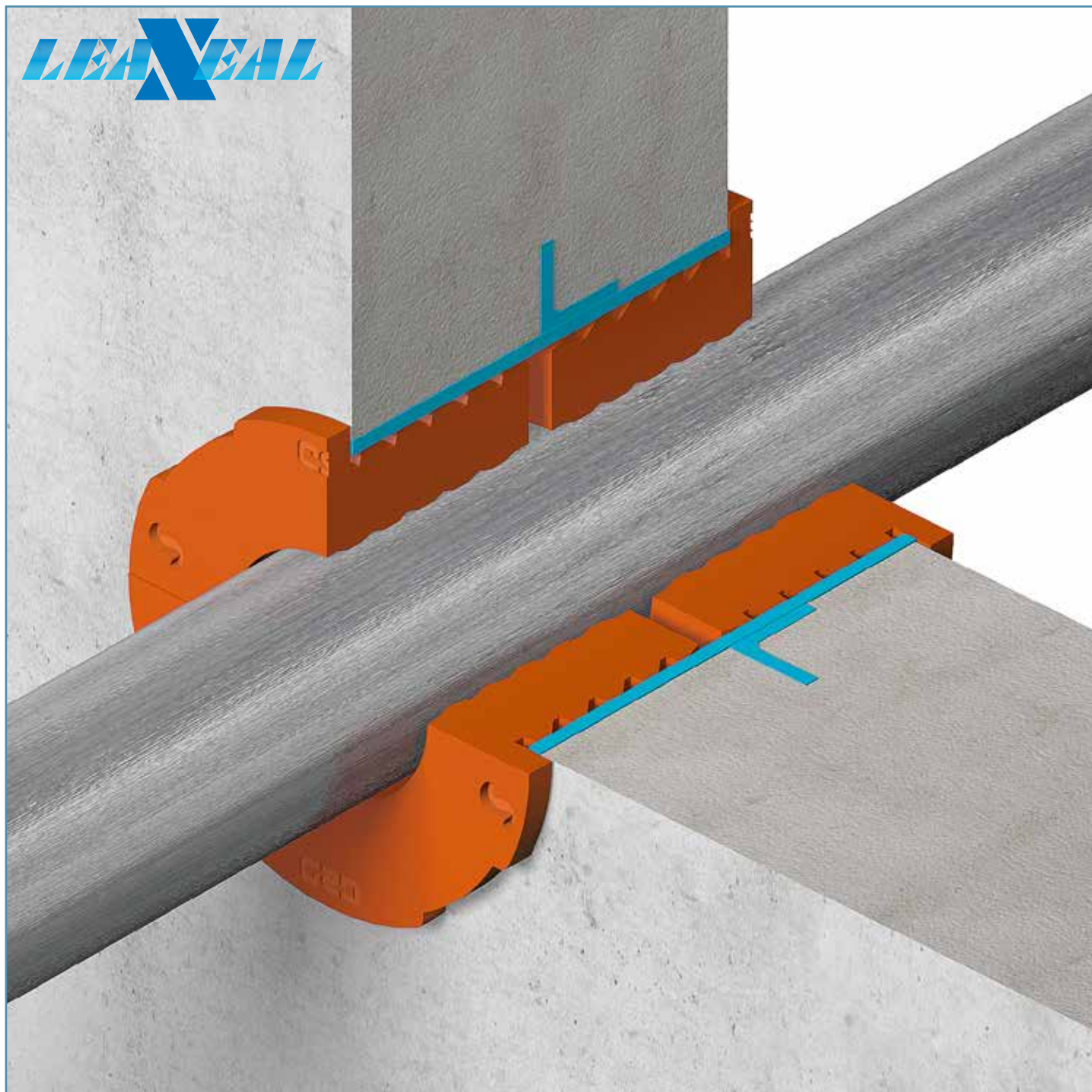
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

type	A	B	C	D	E	art. no. ABS	art. no. HR
CSD 40 FLC	48	56	90	25	4	60.9172	-
CSD 50 FLC	58	66	110	30	4	60.9173	-
CSD 60 FLC	68	76	120	30	4	60.9174	-
CSD 70 FLC	78	86	130	30	4	60.9175	-
CSD 80 FLC	88	96	140	30	4	60.9176	-
CSD 100 FLC	110	120	170	30	5	60.9177	-
CSD 125 FLC	135	145	195	35	5	60.9178	-
CSD 160 FLC	170	180	230	35	5	60.9179	-
CSD 200 FLC	210	220	280	40	5	60.9180	-



The use of separate flanges that are glued on to the length adjustment sleeves extend the application area further. The flanges are available for all sizes of length adjustment sleeves.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

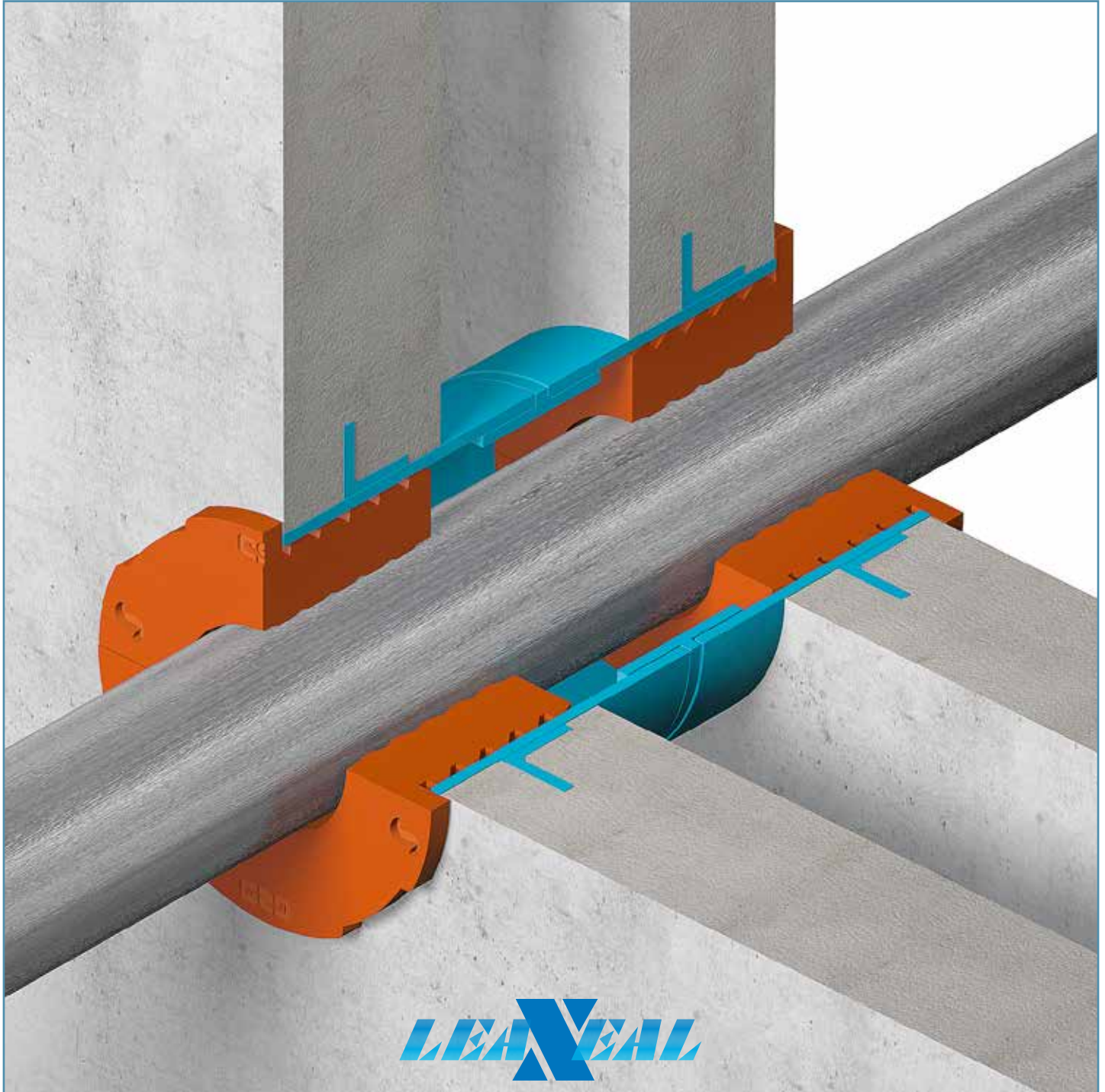


LEAXEAL® technology.

In cases where the wall/floor thickness is limited, an adjustment pipe with a glued-on flange may be cast in. With this option too, the SLIPSIL® plugs may be installed at both ends.

INSTALLATION INSTRUCTIONS

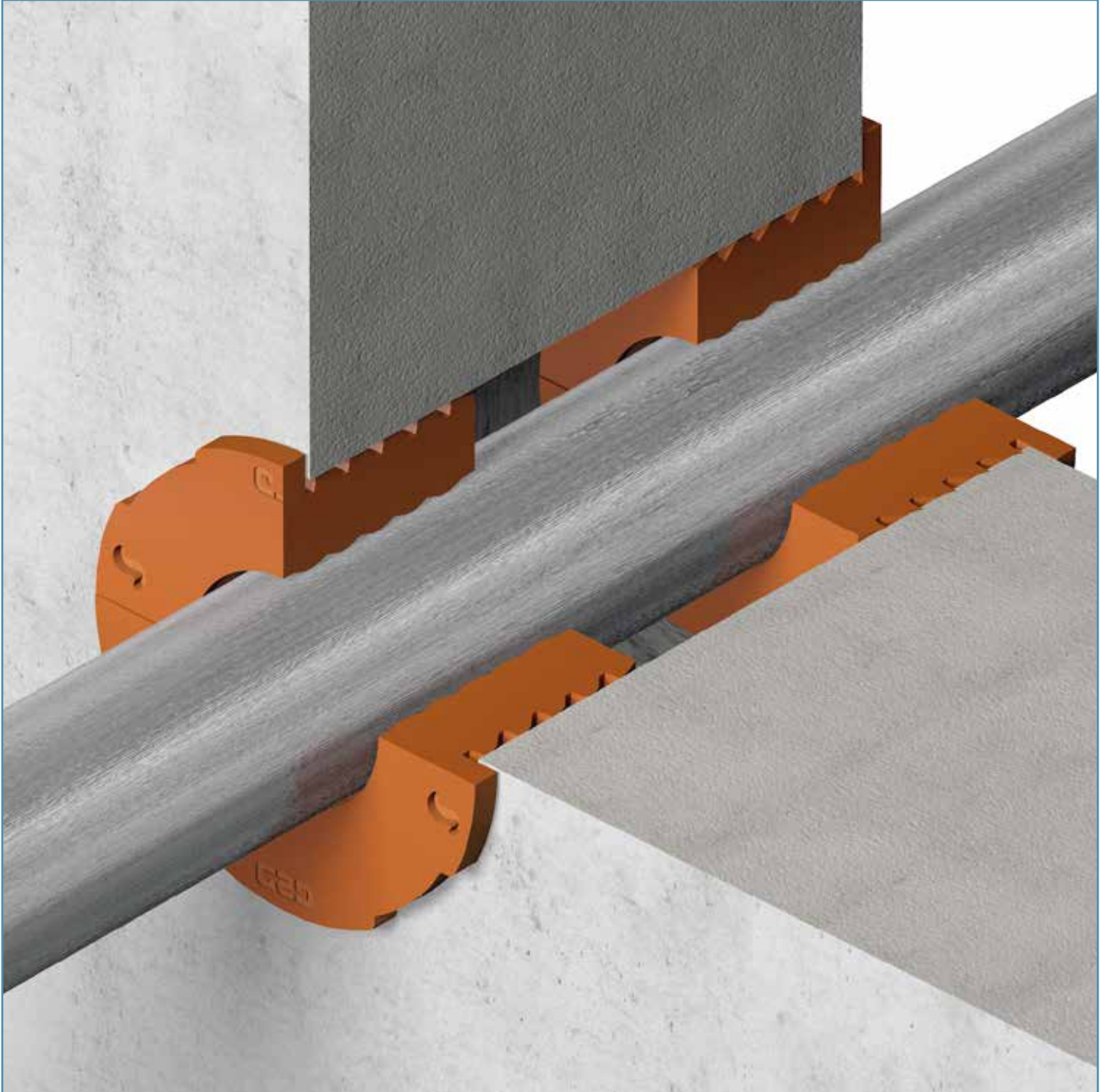
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



LEAXEAL® technology.

In hollow walls, an adjustment pipe or, depending on the width of the hollow wall, adjustment pipes with connector, with glued-on flanges may be cast in. With this option too, the SLIPSIL® plugs may be installed at both ends.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® plugs may also be installed in holes drilled with diamond concrete drills. Such an application comes under the European Technical Approval awarded. See page 15. The sealing capacity of gas- and/or watertight penetrations with the SLIPSIL® plugs can only be guaranteed with the application of the SLIPSIL® sealing plugs in the SLIPSIL® conduit sleeves. Application in other conduit sleeves and drilled holes cannot be guaranteed unconditionally.

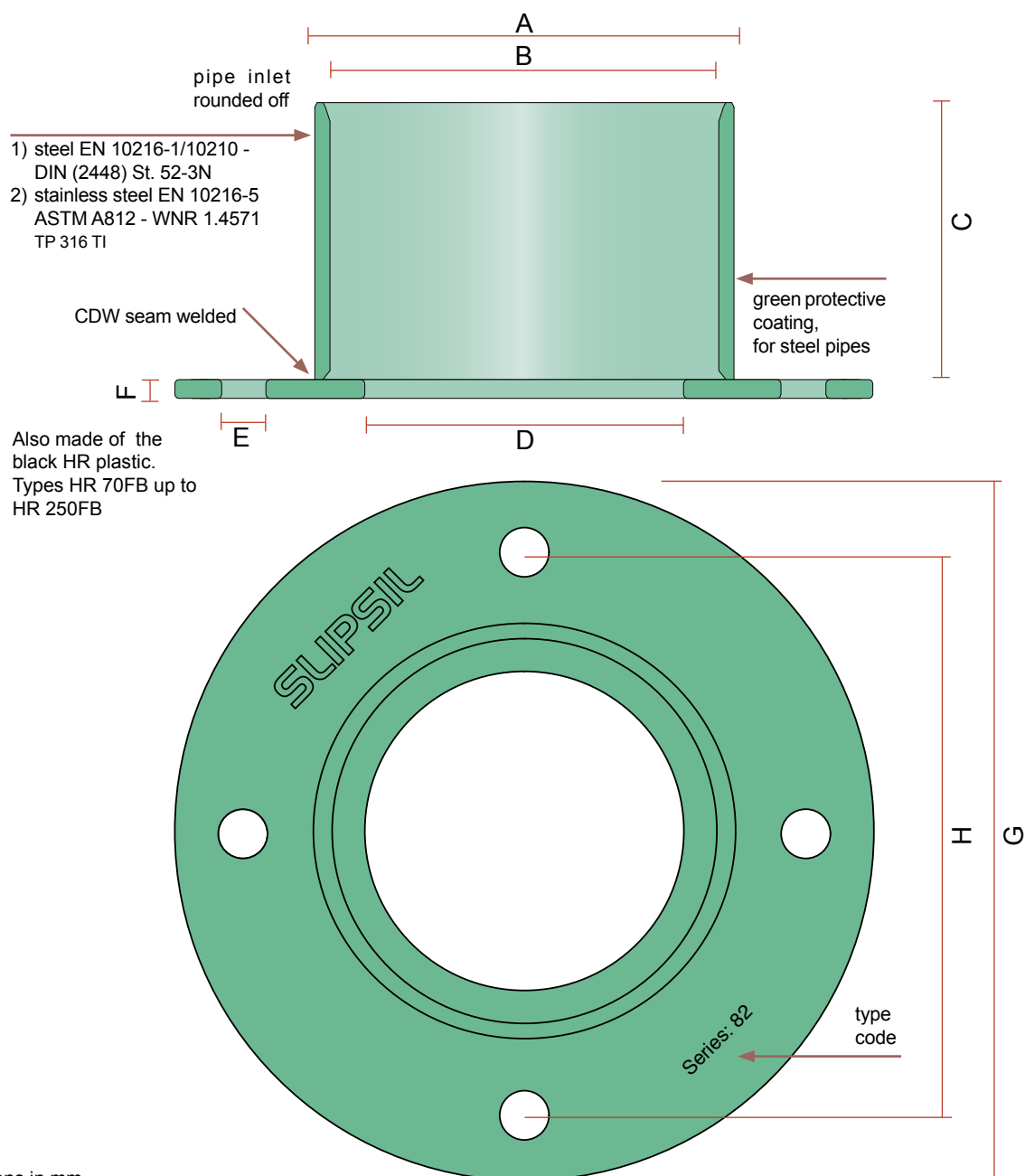
INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



All dimensions in mm

SLIPSIL® steel conduit sleeves with flange available for casting in concrete

type	A	B	C	D	E	F	G	H	plug series	art. no. steel	art. no. stainless	art. no. gasket
SL 41 FB	48.5	41	47	25	10.5	6	108	79	41	60.8002	60.8022	51.9002
SL 55 FB	62.5	55	59	34	10.5	6	122	93	55	60.8003	60.8023	51.9003
SL 70 FB	78	70	59	50	10.5	6	137	108	70	60.8004	60.8024	51.9004
SL 82 FB	90	82	59	60	10.5	6	149	120	82	60.8005	60.8025	51.9005
SL 100 FB	108	100	59	75	10.5	8	167	138	100	60.8006	60.8026	51.9006
SL 125 FB	134	125	59	100	10.5	8	192	163	125	60.8007	60.8027	51.9007
SL 150 FB	159	150	71	125	10.5	8	217	188	150	60.8008	60.8028	51.9008

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



drinking water approval

kiwa 
KIWA 90683-01



Water tight and air tight
sealing systems for pipe
transits

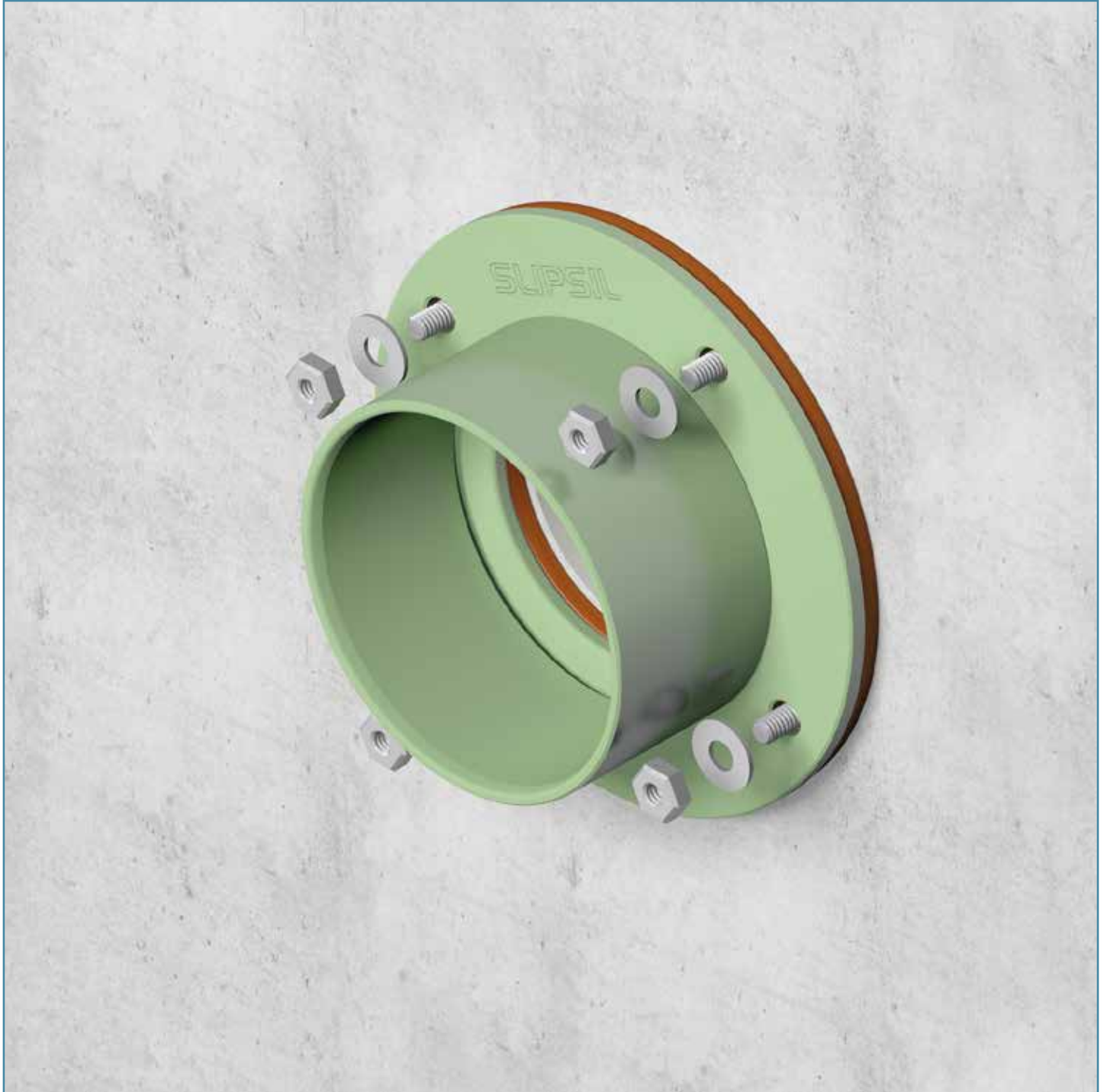


Water tight and air tight
sealing systems for cable
transits

When SLIPSIL® flanged conduit sleeves are going to be used, stainless steel anchor bolts must be installed in the wall or floor in accordance with the hole configuration of the flange of the conduit sleeve. A fitting NOFIRNO® gasket is placed over the anchor bolts against the partition. The NOFIRNO® gaskets have a special profiling to exclude the need for excessive compression and the need for re tightening from time to time.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

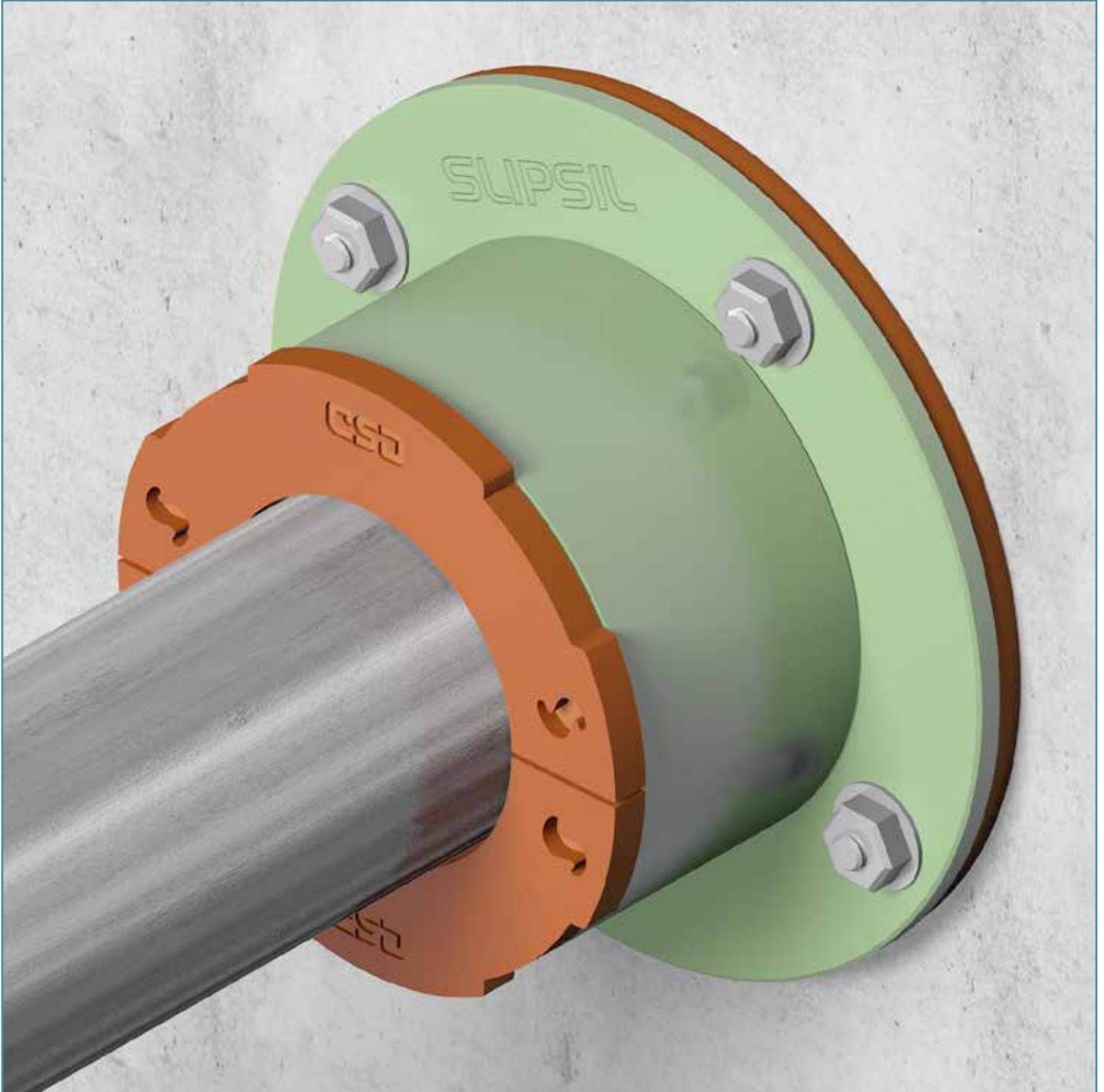


The SLIPSIL® flanged conduit sleeve can then be positioned. Avoid excessive forces on tightening of the NOFIRNO® gasket to guarantee tightness on long term. A torque of 6-10 Nm is sufficient to obtain a long-term, high-quality seal. Consult the KIWA covenant for the values achieved.

After the SLIPSIL® flange sleeve is fitted against the foundation/wall, the pipe/cable can be passed through. The pipe has to be ducted straight and centrally. The installation procedure is identical to that for the SLIPSIL® plugs in the SLIPSIL® conduit inlet system.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The flanged edge of the sealing plugs must be flush against the front side of the conduit sleeve. This is automatically guaranteed when the SLIPSIL® sealing plugs are inserted in the SLIPSIL® conduit sleeves with a shoulder inside. The flange has a distinctive design and is clearly marked with the CSD® and **slipsil**® logo.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



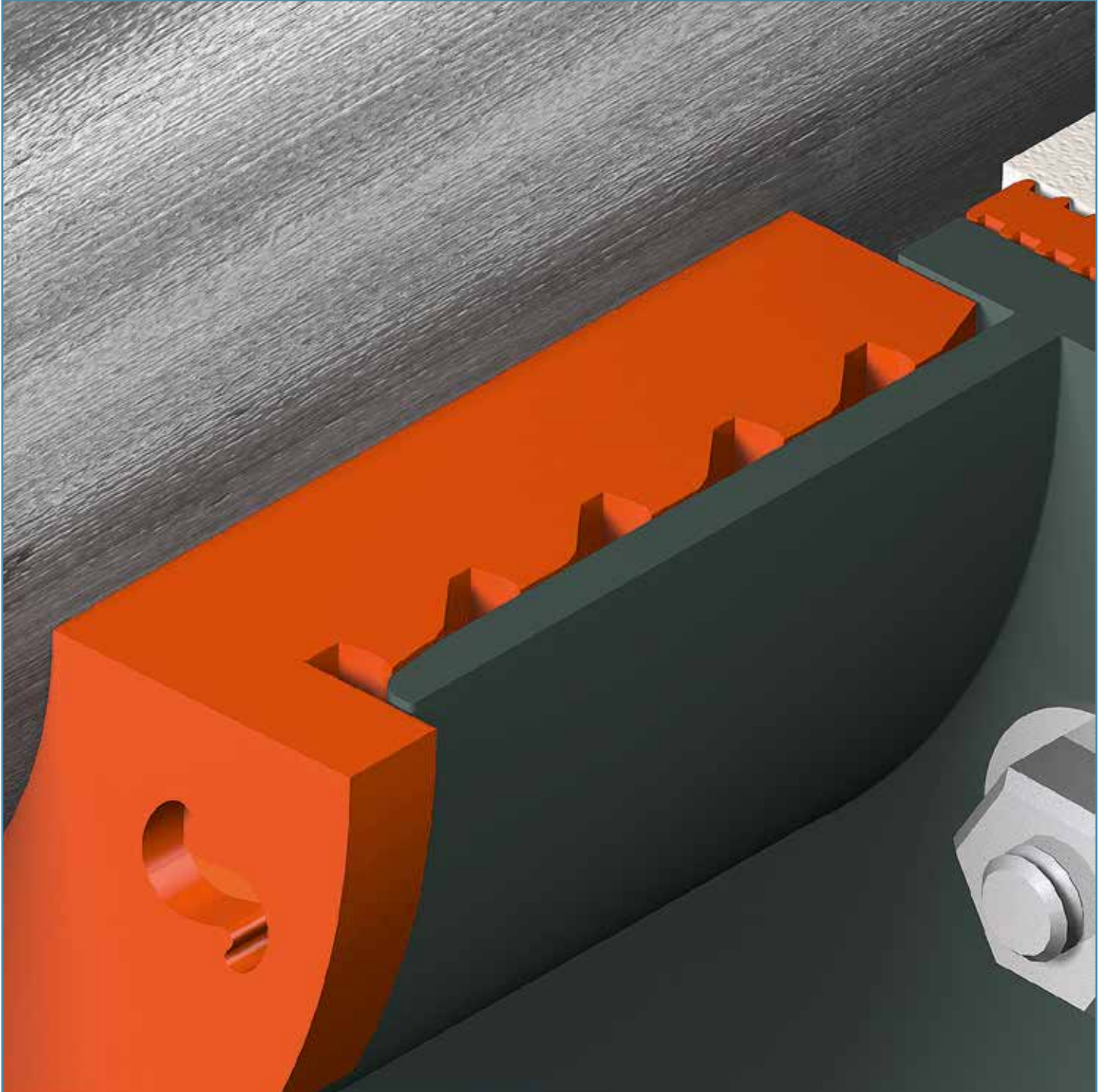
SLIPSIL® flanged conduit sleeves are also supplied in the high temperature-resistant HR plastic (continuously > 225°C).

Type HR 70 FB	art. no. 60.9293
Type HR 80 FB	art. no. 60.9294
Type HR 100 FB	art. no. 60.9295
Type HR 125 FB	art. no. 60.9295

Type HR 160 FB	art. no. 60.9297
Type HR 200 FB	art. no. 60.9298
Type HR 250 FB	art. no. 60.9299

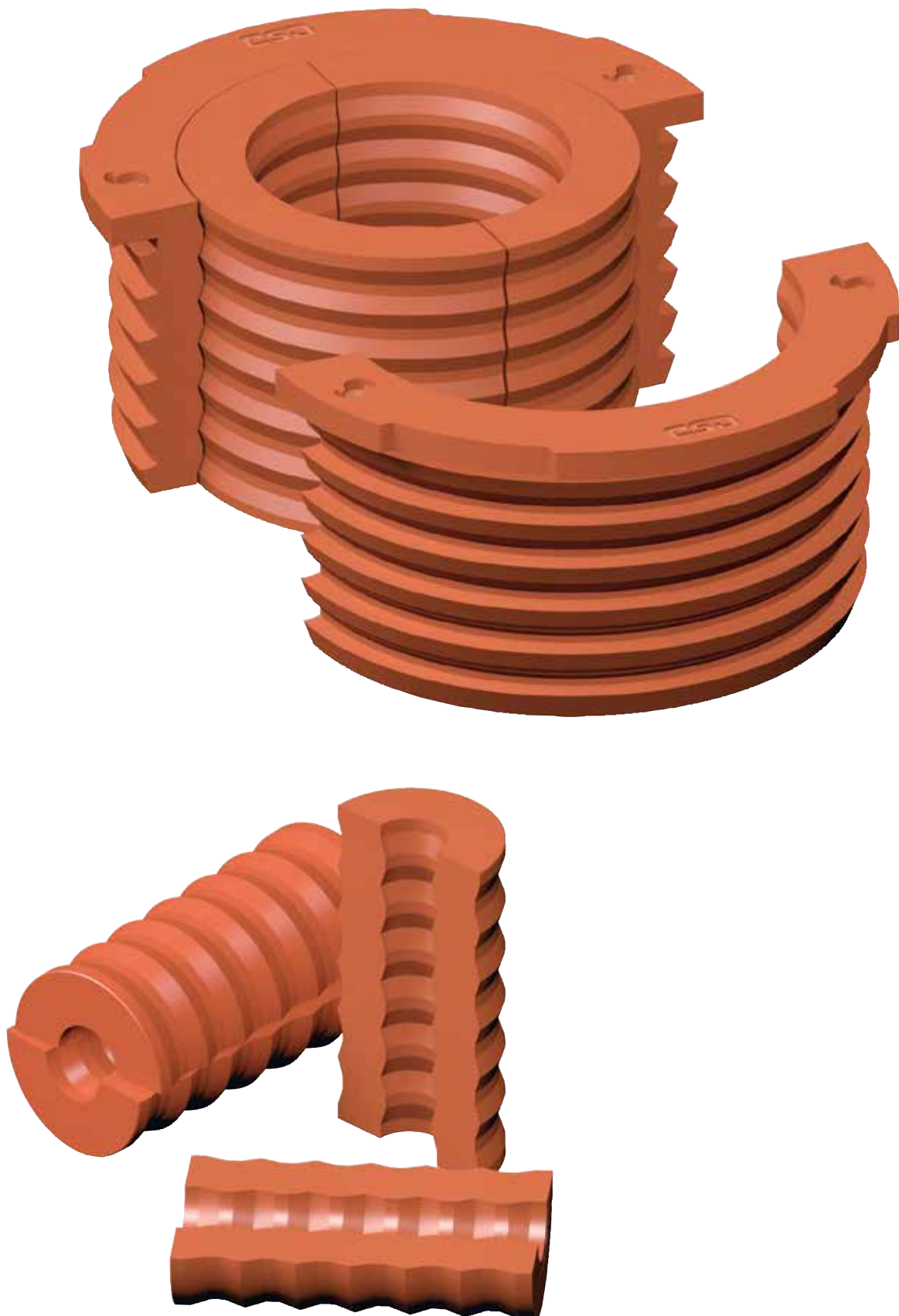
INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



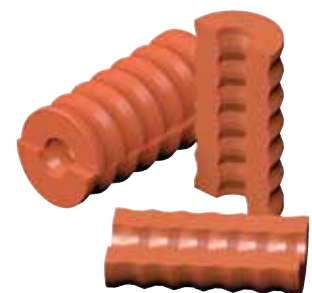
SLIPSIL® sealing plugs always have to be inserted in both ends of conduits for heavy pipes, to cope with settling in front of the foundation, in drilled holes and for fire rated penetrations. The engineered design of the profiles ensures that the rubber is hardly exposed to any compressive loads and will therefor maintain the tightness ratings over a long service life.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS

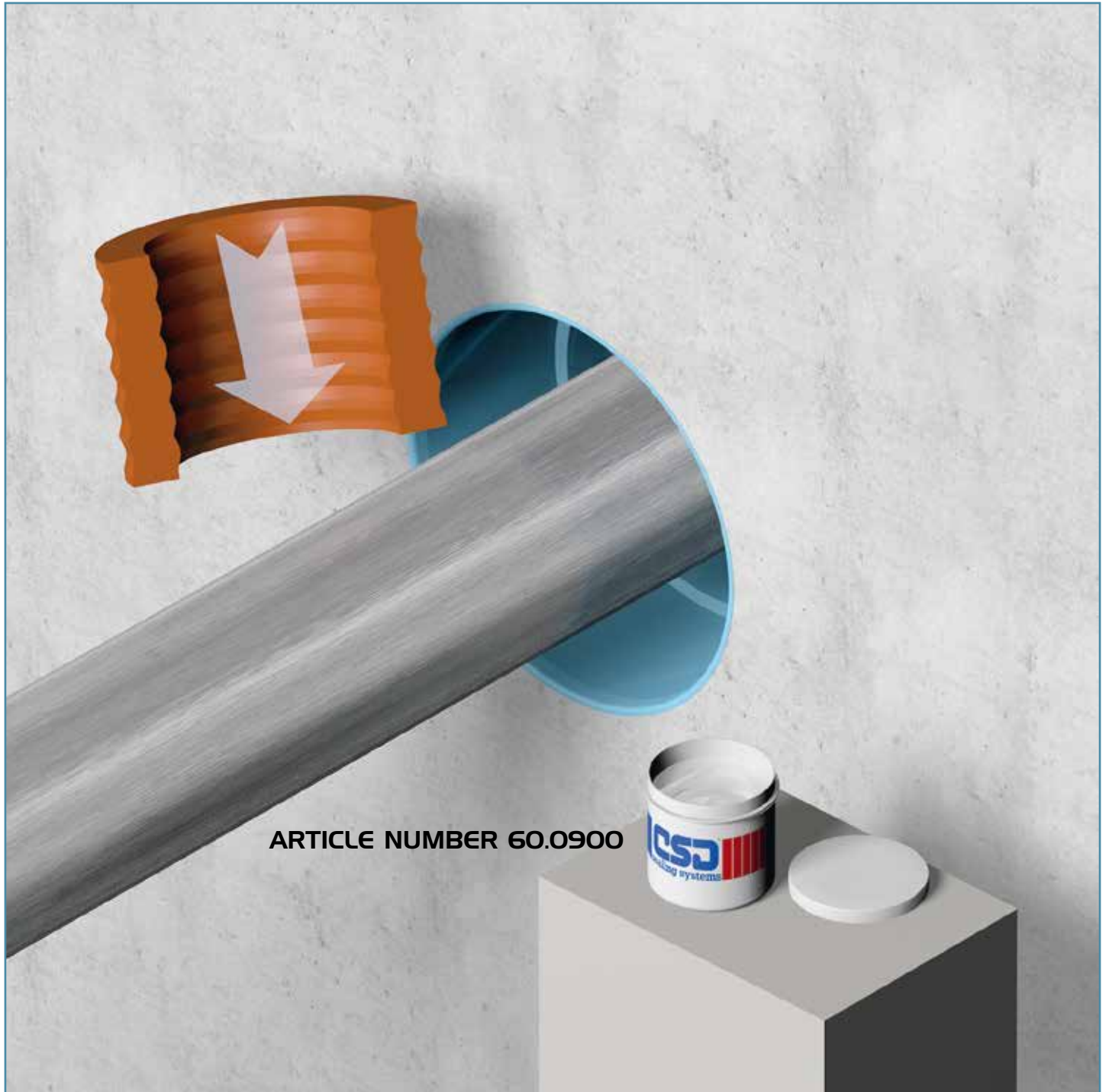


INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS

cable/ pipe diameter	adapter type	article number	cable/ pipe diameter	adapter type	article number	cable/ pipe diameter	adapter type	article number
blind	40/0 AD	41.0900	35-36	60/35 AD	41.1635	60-61	100/60 AD	41.2860
5-6	40/5 AD	41.0905	36-37	60/36 AD	41.1636	61-62	100/61 AD	41.2861
6-7	40/6 AD	41.0906	37-38	60/37 AD	41.1637	62-63	100/62 AD	41.2862
7-8	40/7 AD	41.0907	38-39	60/38 AD	41.1638	63-64	100/63 AD	41.2863
8-9	40/8 AD	41.0908	39-40	60/39 AD	41.1639	64-65	100/64 AD	41.2864
9-10	40/9 AD	41.0909	40	60/40 AD	41.1640	65-66	100/65 AD	41.2865
10-11	40/10 AD	41.0910				66-67	100/66 AD	41.2866
11-12	40/11 AD	41.0911	blind	80/0 AD	41.2300	67-68	100/67 AD	41.2867
12-13	40/12 AD	41.0912	28-29	80/28 AD	41.2328	68-69	100/68 AD	41.2868
13-14	40/13 AD	41.0913	29-30	80/29 AD	41.2329	69-70	100/69 AD	41.2869
14-15	40/14 AD	41.0914	30-31	80/30 AD	41.2330	70-71	100/70 AD	41.2870
15-16	40/15 AD	41.0915	31-32	80/31 AD	41.2331	71-72	100/71 AD	41.2871
16-17	40/16 AD	41.0916	32-33	80/32 AD	41.2332	72-73	100/72 AD	41.2872
17-18	40/17 AD	41.0917	33-34	80/33 AD	41.2333	73-74	100/73 AD	41.2873
18-19	40/18 AD	41.0918	34-35	80/34 AD	41.2334	74-75	100/74 AD	41.2874
19-20	40/19 AD	41.0919	35-36	80/35 AD	41.2335	75	100/75 AD	41.2875
20-21	40/20 AD	41.0920	36-37	80/36 AD	41.2336			
21-22	40/21 AD	41.0921	37-38	80/37 AD	41.2337	blind	125/0 AD	41.3600
22	40/22 AD	41.0922	38-39	80/38 AD	41.2338	60-61	125/60 AD	41.3660
			39-40	80/39 AD	41.2339	61-62	125/61 AD	41.3661
blind	50/0 AD	41.1200	40-41	80/40 AD	41.2340	62-63	125/62 AD	41.3662
10-11	50/10 AD	41.1210	41-42	80/41 AD	41.2341	63-64	125/63 AD	41.3663
11-12	50/11 AD	41.1211	42-43	80/42 AD	41.2342	64-65	125/64 AD	41.3664
12-13	50/12 AD	41.1212	43-44	80/43 AD	41.2343	65-66	125/65 AD	41.3665
13-14	50/13 AD	41.1213	44-45	80/44 AD	41.2344	66-67	125/66 AD	41.3666
14-15	50/14 AD	41.1214	45-46	80/45 AD	41.2345	67-68	125/67 AD	41.3667
15-16	50/15 AD	41.1215	46-47	80/46 AD	41.2346	68-69	125/68 AD	41.3668
16-17	50/16 AD	41.1216	47-48	80/47 AD	41.2347	69-70	125/69 AD	41.3669
17-18	50/17 AD	41.1217	48-49	80/48 AD	41.2348	70-71	125/70 AD	41.3670
18-19	50/18 AD	41.1218	49-50	80/49 AD	41.2349	71-72	125/71 AD	41.3671
19-20	50/19 AD	41.1219	50-51	80/50 AD	41.2350	72-73	125/72 AD	41.3672
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21-22	50/21 AD	41.1221	52-53	80/52 AD	41.2352	74-75	125/74 AD	41.3674
22-23	50/22 AD	41.1222	53-54	80/53 AD	41.2353	75-76	125/75 AD	41.3675
23-24	50/23 AD	41.1223	54-55	80/54 AD	41.2354	76-77	125/76 AD	41.3676
24-25	50/24 AD	41.1224	55-56	80/55 AD	41.2355	77-78	125/77 AD	41.3677
25-26	50/25 AD	41.1225	56-57	80/56 AD	41.2356	78-79	125/78 AD	41.3678
26-27	50/26 AD	41.1226	57-58	80/57 AD	41.2357	79-80	125/79 AD	41.3679
27-28	50/27 AD	41.1227	58-59	80/58 AD	41.2358	80-81	125/80 AD	41.3680
28-29	50/28 AD	41.1228	59-60	80/59 AD	41.2359	81-82	125/81 AD	41.3681
29-30	50/29 AD	41.1229	60	80/60 AD	41.2360	82-83	125/82 AD	41.3682
30-31	50/30 AD	41.1230				83-84	125/83 AD	41.3683
31-32	50/31 AD	41.1231	blind	100/0 AD	41.2800	84-85	125/84 AD	41.3684
32	50/32 AD	41.1232	40-41	100/40 AD	41.2840	85-86	125/85 AD	41.3685
			41-42	100/41 AD	41.2841	86-87	125/86 AD	41.3686
blind	60/0 AD	41.1600	42-43	100/42 AD	41.2842	87-88	125/87 AD	41.3687
18-19	60/18 AD	41.1618	43-44	100/43 AD	41.2843	88-89	125/88 AD	41.3588
19-20	60/19 AD	41.1619	44-45	100/44 AD	41.2844	89-90	125/89 AD	41.3689
20-21	60/20 AD	41.1620	45-46	100/45 AD	41.2845	90-91	125/90 AD	41.3690
21-22	60/21 AD	41.1621	46-47	100/46 AD	41.2846	91-92	125/91 AD	41.3691
22-23	60/22 AD	41.1622	47-48	100/47 AD	41.2847	92	125/92 AD	41.3692
23-24	60/23 AD	41.1623	48-49	100/48 AD	41.2848			
24-25	60/24 AD	41.1624	49-50	100/49 AD	41.2849			
25-26	60/25 AD	41.1625	50-51	100/50 AD	41.2850			
26-27	60/26 AD	41.1626	51-52	100/51 AD	41.2851			
27-28	60/27 AD	41.1627	52-53	100/52 AD	41.2852			
28-29	60/28 AD	41.1628	53-54	100/53 AD	41.2853			
29-30	60/29 AD	41.1629	54-55	100/54 AD	41.2854			
30-31	60/30 AD	41.1630	55-56	100/55 AD	41.2855			
31-32	60/31 AD	41.1631	56-57	100/56 AD	41.2856			
32-33	60/32 AD	41.1632	57-58	100/57 AD	41.2857			
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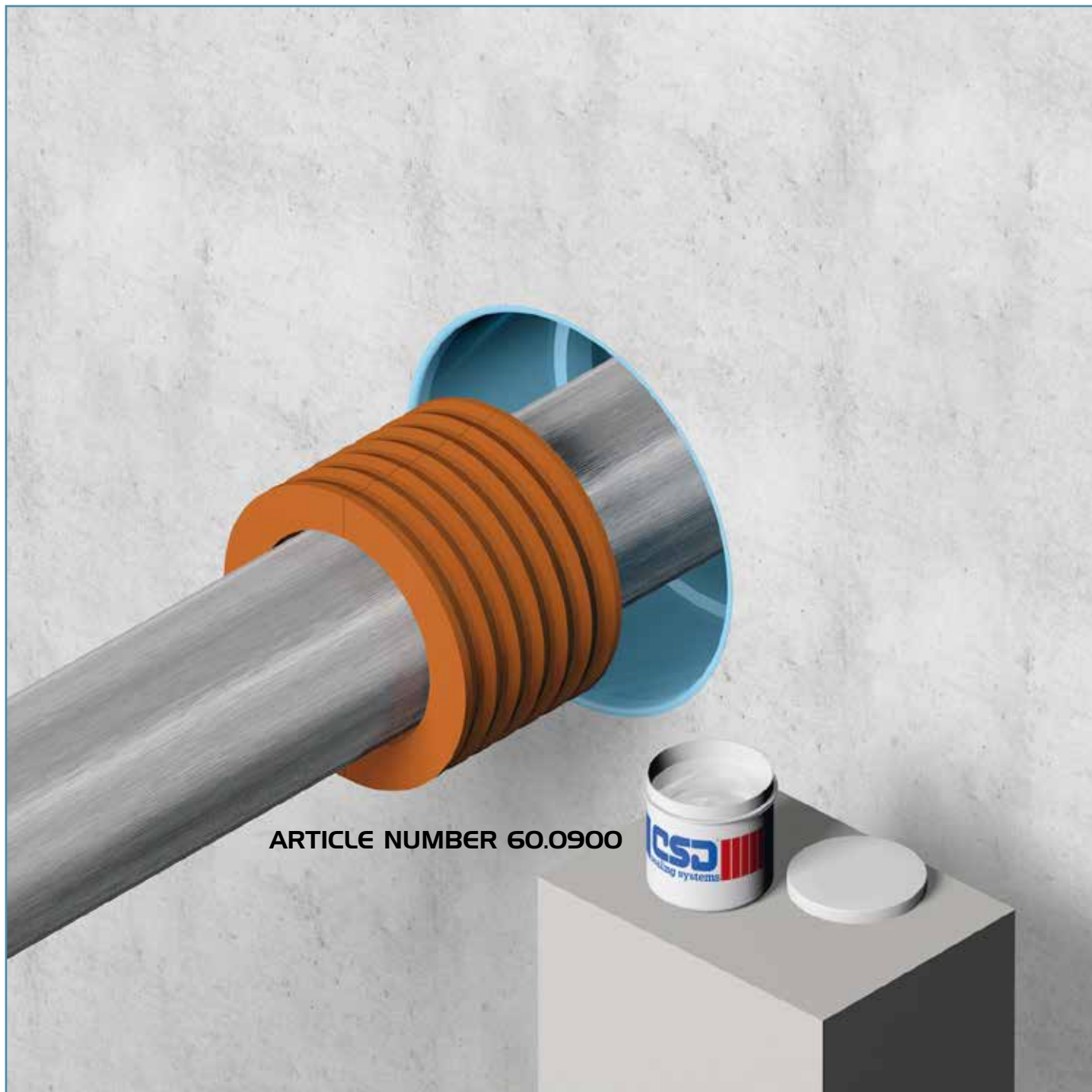


INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS



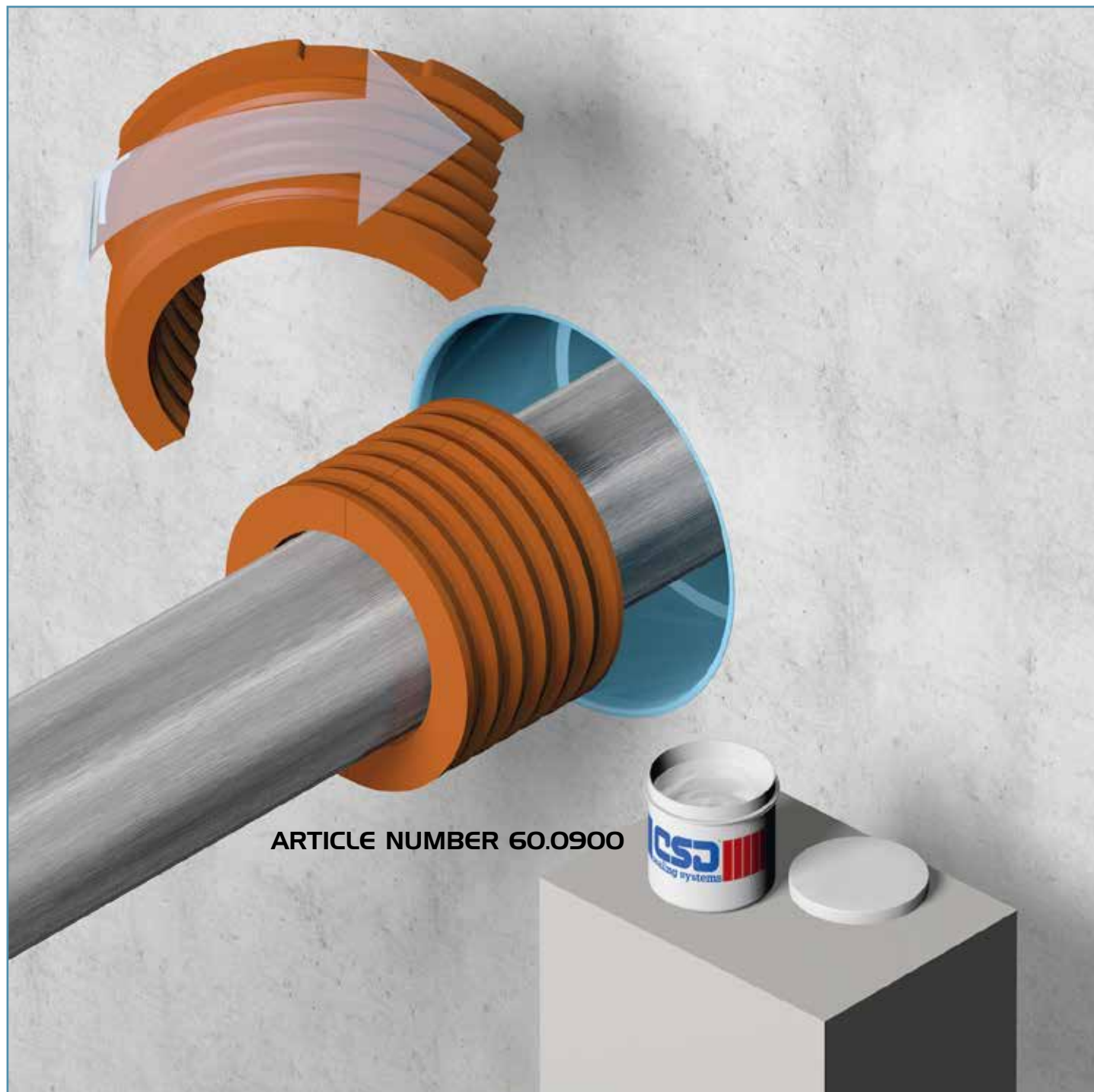
The SLIPSIL® adapter consists of two segments. The profile at the outside of the SLIPSIL® adapter is opposite the profile at the inside of the SLIPSIL® plugs. The SLIPSIL® adapter has no flange. Before starting the installation procedure, any dirt or oil residues should be removed from the conduit sleeve. Then the inside wall of the conduit sleeve is treated with CSD® lubricant. Only the inside surfaces of both segments of the SLIPSIL® adapter have to be treated with CSD® lubricant.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS



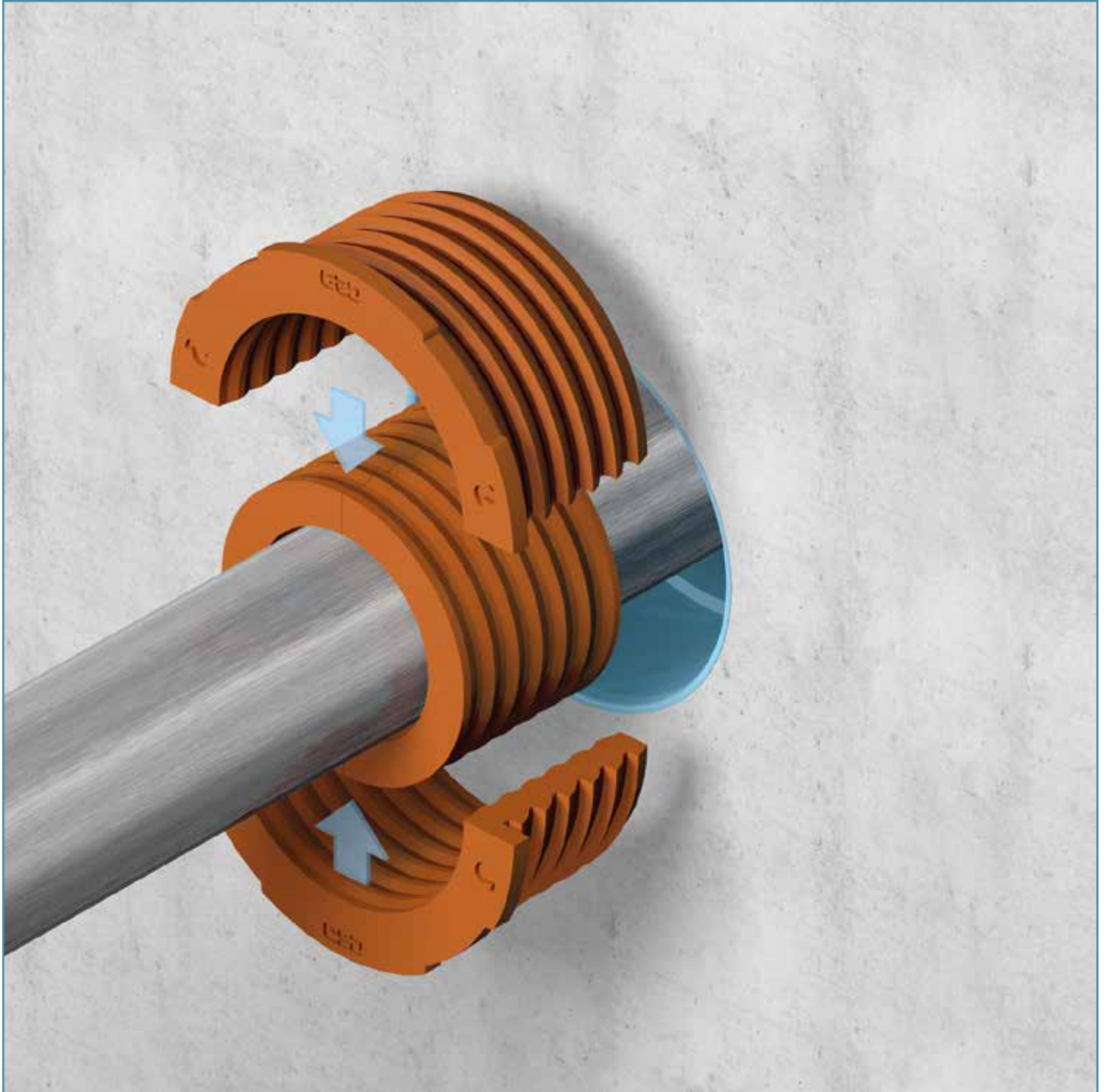
After lubricating the inside of the segments of the SLIPSIL® adapter, the set of SLIPSIL® sealing plug and SLIPSIL® adapter has to be assembled in front of the penetration.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS



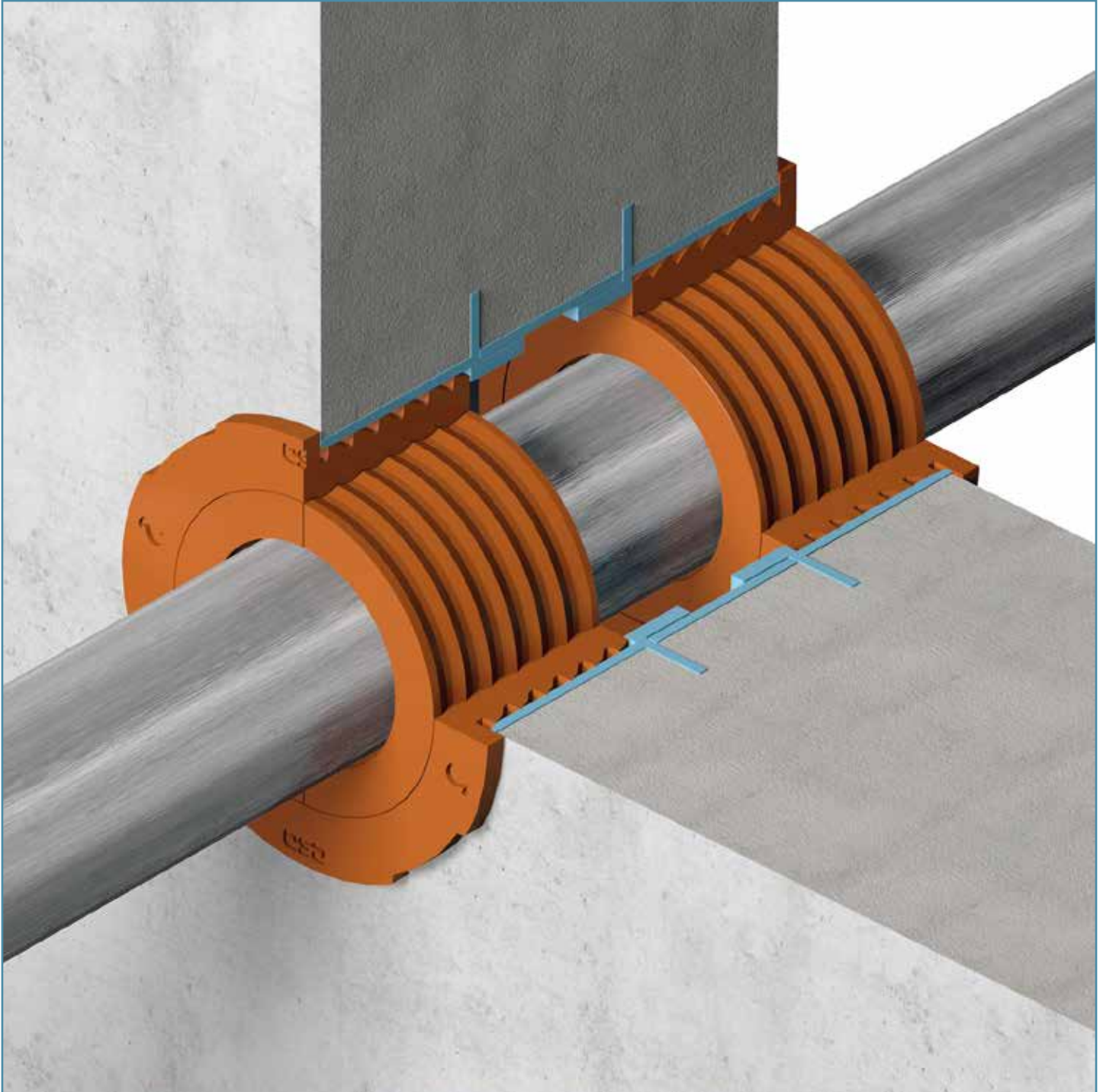
Only the outside surfaces of both segments of the SLIPSIL® sealing plug have to be treated with CSD® lubricant.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS



The SLIPSIL® plug is placed around the SLIPSIL® adapter. Note: the seam between the segments of the plug and the adapter has to be placed 90° in relation to each other. Then the whole set is pushed into the conduit sleeve. The installation is then equal to that of the standard SLIPSIL® plugs.

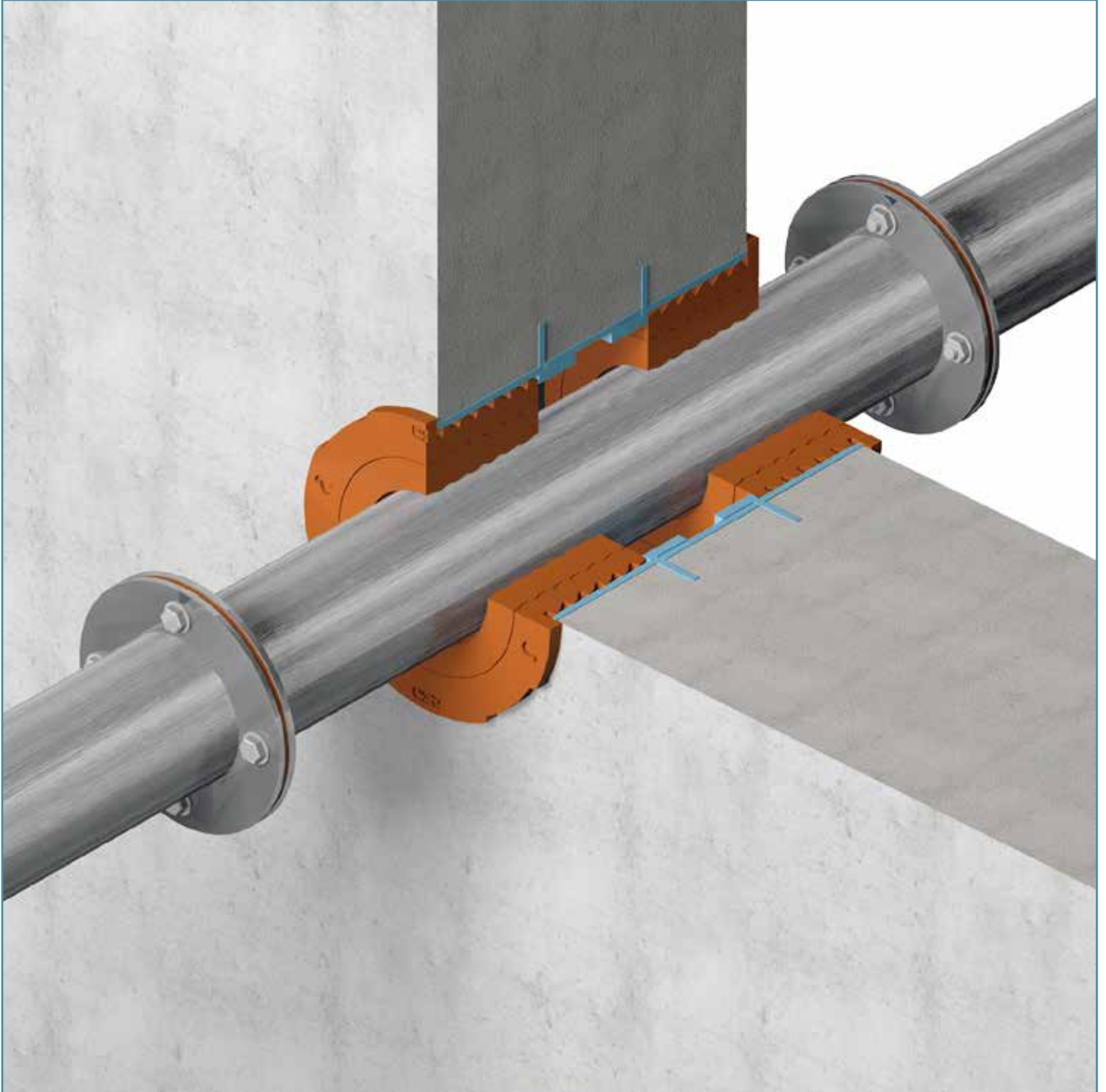
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS



The flanged edge of the sealing plugs must be flush against the front side of the conduit sleeve. This is automatically guaranteed when the SLIPSIL® sealing plugs are inserted in the SLIPSIL® conduit sleeves with a shoulder inside. The flange has a distinctive design and is clearly marked with the CSD® and **S**(lipsil)® logo.

For fire rated penetrations SLIPSIL® plugs have to be installed always at both sides of the penetration. The ducted pipe has to be insulated according to the specifications according the European Technical Approval.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS WITH ADAPTER PLUGS



The combination SLIPSIL® sealing plug and SLIPSIL® adapter is specially developed for oversized conduit sleeves welded in to duct flanged pipe ends. Generally for such cases, no fitting SLIPSIL® plugs are available. With the SLIPSIL® adapters, the SLIPSIL® plugs can be made to fit for the smaller ducted pipe.

STATE-OF-THE ART METALLIC & PLASTIC PIPE SEALING SYSTEMS

NOFIRNO

**slipsil
slipsil
XL-120**

DYNATITE

CRUSHER

NOFIRNO®

- Approved for harshest fire ratings for pipe transits (A, H and Jet Fire class).
- Allows axial and radial movement of the ducted pipe. High pressure ratings - designed for gas and/or watertight penetrations.
- Prevents corrosion inside the penetration.
- NOFIRNO® rubber sleeves and sealant will remain stable and not be consumed by fire.
- **Breakthrough - MULTI-ALL-MIX® SYSTEM**
- Approved for any combination of cable and/or metallic, GRP or plastic pipes!

SLIPSIL®

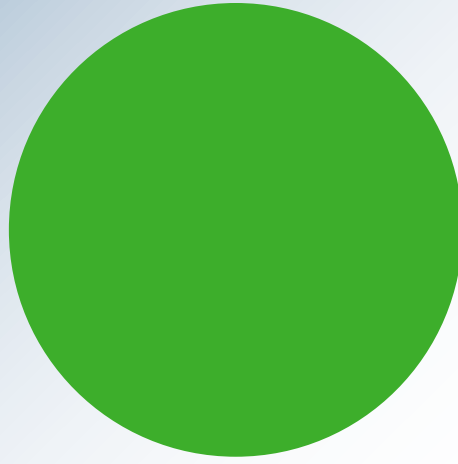
- Designed to provide fire safe, gas and watertight seals for pipe penetrations.
- For transits carrying single or multiple metal pipes with the same diameter (hydraulic and pneumatic lines).
- Installs in a couple of minutes. Lubricate and push - that is it!
- No bolting or other mechanical devices.
- Absorbs mechanical stresses, vibration and prevents galvanic corrosion problems.
- Wide temperature range: -60 °C up to +180 °C.
- **Proven - simple, shortest conduit length**
- The system of choice in shipyards worldwide for more than 30 years!

DYNATITE®

- For applications where a high degree of (instantaneous) tightness is required.
- Dynamic sealing when a disaster occurs.
- Plugs are compressible and will return to their original shape after shock pressure.
- Easily withstands shock pressure loads of up to 15 bar (220 psi).
- Ideal solution for the columns of offshore rigs and collision bulkheads.
- **Breakthrough - dynamic compression**
- Based on high-tech rubber grade and engineered profiling, the DYNATITE® plugs can be substantially compressed and get tighter with excessive pressure.

CRUSHER®

- Simple and effective system for all plastic pipe transits.
- RISE®/ULTRA C-FIT crushers squeeze and seal.
- RISE®/ULTRA wraps to be used for non-SLIPSIL® and oversized conduit sleeves.
- RISE®/ULTRA C-FIT crushers and wraps integrated in the NOFIRNO® sealing system.
- NOFIRNO® sealant adheres well to plastics: high degree of water tightness feasible.
- **Breakthrough - adhesion under fire load**
- RISE®/ULTRA compound forms an adhesive mass during fire exposure!
- Approved for a multiple mixture of all kinds of plastic pipes.



WE CARE

**BEELE ENGINEERING:
A COMPANY DEDICATED
TO SAFETY
FOR OVER 45 YEARS**



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