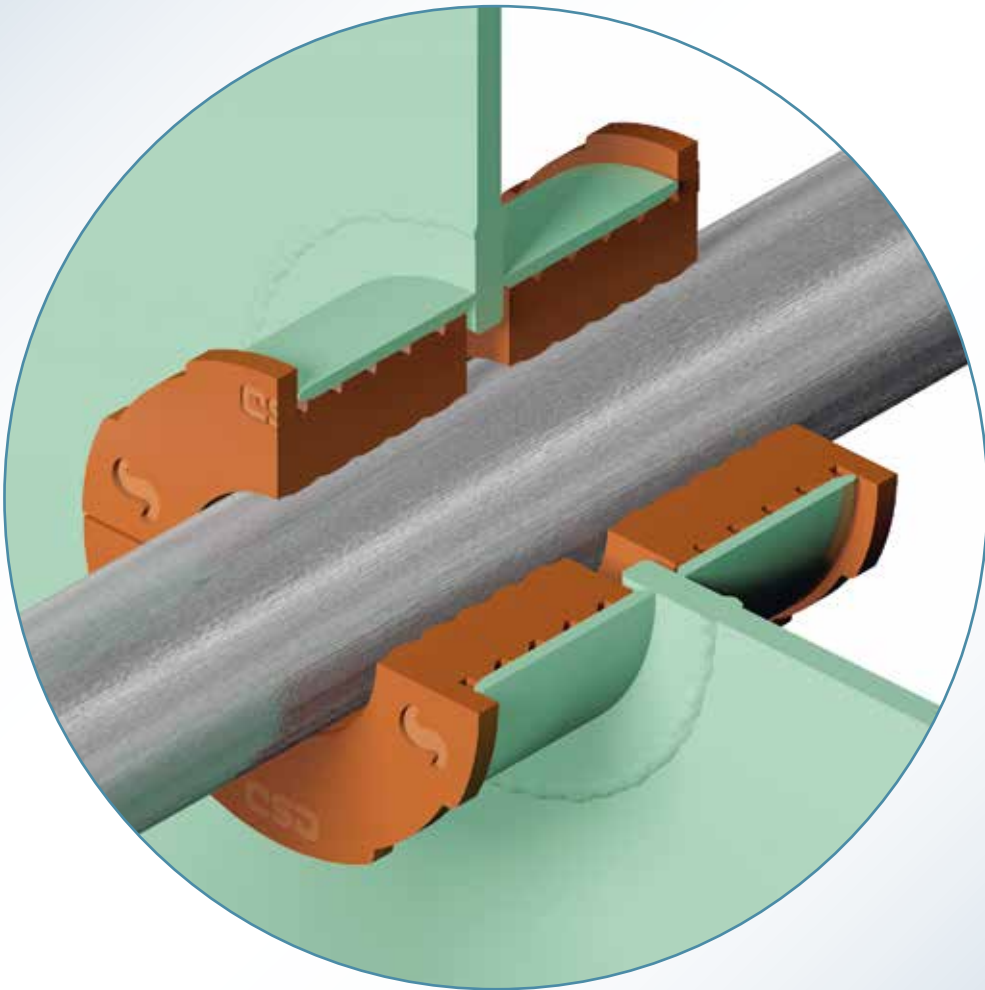




INSTALLATION INSTRUCTIONS

SLIPSIL[®] SEALING PLUGS

FOR PIPE/CABLE DUCTS



slipsil[®]

Beele campus 45.000 m²
Ready 2020/2021



- A: Reception, Education Center, Workshops, Video Conferences
- B: Demonstration, Training and Installation
- C: R&D center, Testing Facilities
- D: Pilot plant for new developments
- E: Production Plant phase 1 and 2
- F: Park with amphitheater and Food Forest 15.000 m²

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: BEELE Engineering BV, Aalten, the Netherlands.

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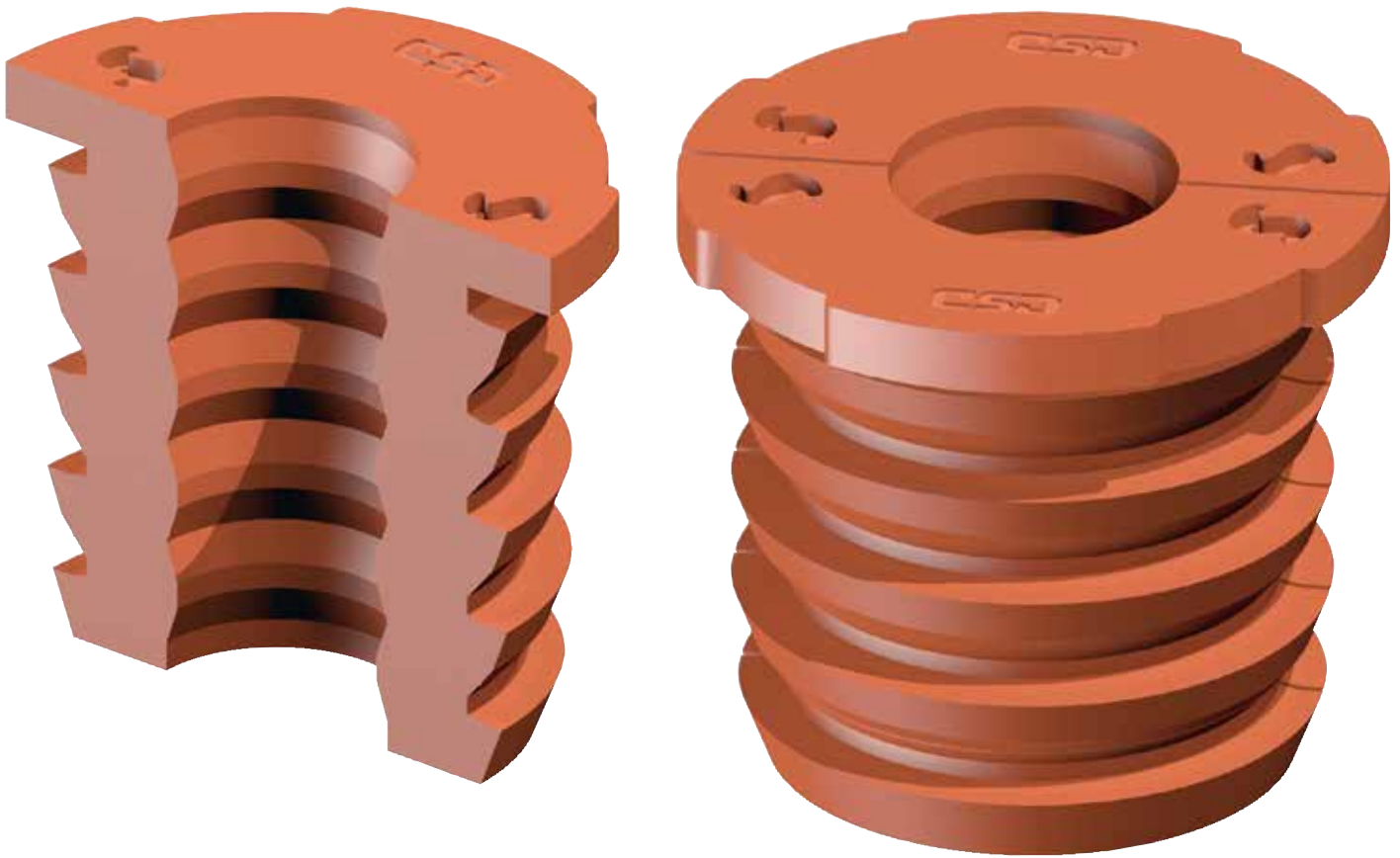
®

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brochure code

: installation SLIPSIL plugs

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 - 54
	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

marked series for application in the SLIPSIL® conduit sleeves

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	40 multi is max. 2x10, 3x7, 5x7		
9-10	25/9-10	40.0109	9-10	34/9-10	40.0609	blind	41/0	40.1000
10-11	25/10-11	40.0110	10-11	34/10-11	40.0610	5-6	41/5-6	40.1005
11-12	25/11-12	40.0111	11-12	34/11-12	40.0611	6-7	41/6-7	40.1006
12	25/12	40.0112	12-13	34/12-13	40.0612	7-8	41/7-8	40.1007
blind	27/0	40.0200	13-14	34/13-14	40.0613	8-9	41/8-9	40.1008
5-6	27/5-6	40.0205	14-15	34/14-15	40.0614	9-10	41/9-10	40.1009
6-7	27/6-7	40.0206	15-16	34/15-16	40.0615	10-11	41/10-11	40.1010
7-8	27/7-8	40.0207	16-17	34/16-17	40.0616	11-12	41/11-12	40.1011
8-9	27/8-9	40.0208	17-18	34/17-18	40.0617	12-14	41/12-14	40.1012
9-10	27/9-10	40.0209	18	34/18	40.0618	14-16	41/14-16	40.1013
10-11	27/10-11	40.0210	blind	35/0	40.0700	16-18	41/16-18	40.1014
11-12	27/11-12	40.0211	5-6	35/5-6	40.0705	18-20	41/18-20	40.1015
12-13	27/12-13	40.0212	6-7	35/6-7	40.0706	20-22	41/20-22	40.1016
13-14	27/13-14	40.0213	7-8	35/7-8	40.0707	22-23	41/22-23	40.1017
14-15	27/14-15	40.0214	8-9	35/8-9	40.0708	23-24	41/23-24	40.1018
15	27/15	40.0215	9-10	35/9-10	40.0709	24-25	41/24-25	40.1019
blind	28/0	40.0300	10-11	35/10-11	40.0710	25	41/25	40.1020
5-6	28/5-6	40.0305	11-12	35/11-12	40.0711	41 multi is max. 2x10, 3x7, 5x7		
6-7	28/6-7	40.0306	12-13	35/12-13	40.0712	blind	43/0	40.1100
7-8	28/7-8	40.0307	13-14	35/13-14	40.0713	5-6	43/5-6	40.1105
8-9	28/8-9	40.0308	14-15	35/14-15	40.0714	6-7	43/6-7	40.1106
9-10	28/9-10	40.0309	15-16	35/15-16	40.0715	7-8	43/7-8	40.1107
10-11	28/10-11	40.0310	16-17	35/16-17	40.0716	8-9	43/8-9	40.1108
11-12	28/11-12	40.0311	17-18	35/17-18	40.0717	9-10	43/9-10	40.1109
12-13	28/12-13	40.0312	18-19	35/18-19	40.0718	10-12	43/10-12	40.1110
13-14	28/13-14	40.0313	19-20	35/19-20	40.0719	12-14	43/12-14	40.1111
14-15	28/14-15	40.0314	20	35/20	40.0720	14-16	43/14-16	40.1112
15	28/15	40.0315	blind	37/0	40.0800	16-18	43/16-18	40.1113
blind	30/0	40.0400	5-6	37/5-6	40.0805	18-20	43/18-20	40.1114
5-6	30/5-6	40.0405	6-7	37/6-7	40.0806	20-22	43/20-22	40.1115
6-7	30/6-7	40.0406	7-8	37/7-8	40.0807	22-24	43/22-24	40.1116
7-8	30/7-8	40.0407	8-9	37/8-9	40.0808	24-25	43/24-25	40.1117
8-9	30/8-9	40.0408	9-10	37/9-10	40.0809	25-26	43/25-26	40.1118
9-10	30/9-10	40.0409	10-11	37/10-11	40.0810	26-27	43/26-27	40.1119
10-11	30/10-11	40.0410	11-12	37/11-12	40.0811	27-28	43/27-28	40.1120
11-12	30/11-12	40.0411	12-13	37/12-13	40.0812	28	43/28	40.1121
12-13	30/12-13	40.0412	13-14	37/13-14	40.0813	43 multi is max. 2x10, 3x7, 5x7		
13-14	30/13-14	40.0413	14-15	37/14-15	40.0814	blind	50/0	40.1200
14-15	30/14-15	40.0414	15-16	37/15-16	40.0815	6-7	50/6-7	40.1205
15-16	30/15-16	40.0415	16-17	37/16-17	40.0816	7-8	50/7-8	40.1206
16	30/16	40.0416	17-18	37/17-18	40.0817	8-9	50/8-9	40.1207
blind	32/0	40.0500	18-19	37/18-19	40.0818	9-10	50/9-10	40.1208
5-6	32/5-6	40.0505	19-20	37/19-20	40.0819	10-12	50/10-12	40.1209
6-7	32/6-7	40.0506	20	37/20	40.0820	12-14	50/12-14	40.1210
7-8	32/7-8	40.0507	blind	40/0	40.0900	14-16	50/14-16	40.1211
8-9	32/8-9	40.0508	5-6	40/5-6	40.0905	16-18	50/16-18	40.1212
9-10	32/9-10	40.0509	6-7	40/6-7	40.0906	18-20	50/18-20	40.1213
10-11	32/10-11	40.0510	7-8	40/7-8	40.0907	20-22	50/20-22	40.1214
11-12	32/11-12	40.0511	8-9	40/8-9	40.0908	22-24	50/22-24	40.1215
12-13	32/12-13	40.0512	9-10	40/9-10	40.0909	24-26	50/24-26	40.1216
13-14	32/13-14	40.0513	10-11	40/10-11	40.0910	26-28	50/26-28	40.1217
14-15	32/14-15	40.0514	11-12	40/11-12	40.0911	28-29	50/28-29	40.1218
15-16	32/15-16	40.0515	12-14	40/12-14	40.0912	29-30	50/29-30	40.1219
16	32/16	40.0516	14-16	40/14-16	40.0913	30-31	50/30-31	40.1220
			16-18	40/16-18	40.0914	31-32	50/31-32	40.1221

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
32	50/32	40.1222	30-31	55/30-31	40.1419	blind	67/0	40.1800
	50 multi is max. 2x15, 3x8, 5x8		31-32	55/31-32	40.1420	22-24	67/22-24	40.1815
blind	52/0	40.6000	32-33	55/32-33	40.1421	24-26	67/24-26	40.1816
6-7	52/6-7	40.6005	33-34	55/33-34	40.1422	26-28	67/26-28	40.1817
7-8	52/7-8	40.6006	34	55/34	40.1423	28-30	67/28-30	40.1818
8-9	52/8-9	40.6007		55 multi is max. 2x15, 3x10, 5x10		30-32	67/30-32	40.1819
9-10	52/9-10	40.6008	blind	57/0	40.1500	32-34	67/32-34	40.1820
10-12	52/10-12	40.6009	14-16	57/14-16	40.1511	34-36	67/34-36	40.1821
12-14	52/12-14	40.6010	16-18	57/16-18	40.1512	36-38	67/36-38	40.1822
14-16	52/14-16	40.6011	18-20	57/18-20	40.1513	38-40	67/38-40	40.1823
16-18	52/16-18	40.6012	20-22	57/20-22	40.1514	40-42	67/40-42	40.1824
18-20	52/18-20	40.6013	22-24	57/22-24	40.1515	42-44	67/42-44	40.1825
20-22	52/20-22	40.6014	24-26	57/24-26	40.1516	44-46	67/44-46	40.1826
22-24	52/22-24	40.6015	26-28	57/26-28	40.1517	46-48	67/46-48	40.1827
24-26	52/24-26	40.6016	28-30	57/28-30	40.1518	48-50	67/48-50	40.1828
26-28	52/26-28	40.6017	30-32	57/30-32	40.1519	50	67/50	40.1829
28-30	52/28-30	40.6018	32-34	57/32-34	40.1520	blind	68/0	40.1900
30-31	52/30-31	40.6019	34-36	57/34-36	40.1521	20-22	68/20-22	40.1914
31-32	52/31-32	40.6020	36-37	57/36-37	40.1522	22-24	68/22-24	40.1915
32-33	52/32-33	40.6021	37-38	57/37-38	40.1523	24-26	68/24-26	40.1916
33-34	52/33-34	40.6022	38-39	57/38-39	40.1524	26-28	68/26-28	40.1917
34	52/34	40.6023	39-40	57/39-40	40.1525	28-30	68/28-30	40.1918
	52 multi is max. 2x15, 3x10, 5x10		40	57/40	40.1526	30-32	68/30-32	40.1919
blind	53/0	40.1300	blind	60/0	40.1600	32-34	68/32-34	40.1920
6-7	53/6-7	40.1305	14-16	60/14-16	40.1611	34-36	68/34-36	40.1921
7-8	53/7-8	40.1306	16-18	60/16-18	40.1612	36-38	68/36-38	40.1922
8-9	53/8-9	40.1307	18-20	60/18-20	40.1613	38-40	68/38-40	40.1923
9-10	53/9-10	40.1308	20-22	60/20-22	40.1614	40-42	68/40-42	40.1924
10-12	53/10-12	40.1309	22-24	60/22-24	40.1615	42-44	68/42-44	40.1925
12-14	53/12-14	40.1310	24-26	60/24-26	40.1616	44-46	68/44-46	40.1926
14-16	53/14-16	40.1311	26-28	60/26-28	40.1617	46-48	68/46-48	40.1927
16-18	53/16-18	40.1312	28-30	60/28-30	40.1618	48-50	68/48-50	40.1928
18-20	53/18-20	40.1313	30-32	60/30-32	40.1619	50	68/50	40.1929
20-22	53/20-22	40.1314	32-34	60/32-34	40.1620		68 multi is max. 2x22, 3x12, 5x12	
22-24	53/22-24	40.1315	34-36	60/34-36	40.1621	blind	70/0	40.2000
24-26	53/24-26	40.1316	36-37	60/36-37	40.1622	20-22	70/20-22	40.2014
26-28	53/26-28	40.1317	37-38	60/37-38	40.1623	22-24	70/22-24	40.2015
28-30	53/28-30	40.1318	38-39	60/38-39	40.1624	24-26	70/24-26	40.2016
30-31	53/30-31	40.1319	39-40	60/39-40	40.1625	26-28	70/26-28	40.2017
31-32	53/31-32	40.1320	40	60/40	40.1626	28-30	70/28-30	40.2018
32-33	53/32-33	40.1321		60 multi is max. 2x15, 3x10		30-32	70/30-32	40.2019
33-34	53/33-34	40.1322	blind	62/0	40.1700	32-34	70/32-34	40.2020
34	53/34	40.1323	14-16	62/14-16	40.1711	34-36	70/34-36	40.2021
	53 multi is max. 2x15, 3x10, 5x10		16-18	62/16-18	40.1712	36-38	70/36-38	40.2022
blind	55/0	40.1400	18-20	62/18-20	40.1713	38-40	70/38-40	40.2023
6-7	55/6-7	40.1405	20-22	62/20-22	40.1714	40-42	70/40-42	40.2024
7-8	55/7-8	40.1406	22-24	62/22-24	40.1715	42-44	70/42-44	40.2025
8-9	55/8-9	40.1407	24-26	62/24-26	40.1716	44-46	70/44-46	40.2026
9-10	55/9-10	40.1408	26-28	62/26-28	40.1717	46-48	70/46-48	40.2027
10-12	55/10-12	40.1409	28-30	62/28-30	40.1718	48-50	70/48-50	40.2028
12-14	55/12-14	40.1410	30-32	62/30-32	40.1719	50	70/50	40.2029
14-16	55/14-16	40.1411	32-34	62/32-34	40.1720		70 multi is max. 2x22, 3x12	
16-18	55/16-18	40.1412	34-36	62/34-36	40.1721	blind	75/0	40.2100
18-20	55/18-20	40.1413	36-37	62/36-37	40.1722	22-24	75/22-24	40.2115
20-22	55/20-22	40.1414	37-38	62/37-38	40.1723	24-26	75/24-26	40.2116
22-24	55/22-24	40.1415	38-39	62/38-39	40.1724	26-28	75/26-28	40.2117
24-26	55/24-26	40.1416	39-40	62/39-40	40.1725	28-30	75/28-30	40.2118
26-28	55/26-28	40.1417	40	62/40	40.1726	30-32	75/30-32	40.2119
28-30	55/28-30	40.1418		62 multi is max. 2x15, 3x10		32-34	75/32-34	40.2120
						34-36	75/34-36	40.2121

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
36-38	75/36-38	40.2122	52-54	82/52-54	40.2430	60-62	100/60-62	40.2830
38-40	75/38-40	40.2123	54-56	82/54-56	40.2431	62-64	100/62-64	40.2831
40-42	75/40-42	40.2124	56-58	82/56-58	40.2432	64-66	100/64-66	40.2832
42-44	75/42-44	40.2125	58-60	82/58-60	40.2433	66-68	100/66-68	40.2833
44-46	75/44-46	40.2126	60	82/60	40.2434	68-70	100/68-70	40.2834
46-48	75/46-48	40.2127		82 multi is max. 2x22, 3x15, 5x15		70-72	100/70-72	40.2835
48-50	75/48-50	40.2128	blind	90/0	40.2500	72-74	100/72-74	40.2836
50	75/50	40.2129	40-42	90/40-42	40.2520	74-75	100/74-75	40.2837
			42-44	90/42-44	40.2521	75	100/75	40.2838
blind	78/0	40.2200	44-46	90/44-46	40.2522			
22-24	78/22-24	40.2215	46-48	90/46-48	40.2523	blind	102/0	40.2900
24-26	78/24-26	40.2216	48-50	90/48-50	40.2524	40-42	102/40-42	40.2920
26-28	78/26-28	40.2217	50-52	90/50-52	40.2525	42-44	102/42-44	40.2921
28-30	78/28-30	40.2218	52-54	90/52-54	40.2526	44-46	102/44-46	40.2922
30-32	78/30-32	40.2219	54-56	90/54-56	40.2527	46-48	102/46-48	40.2923
32-34	78/32-34	40.2220	56-58	90/56-58	40.2528	48-50	102/48-50	40.2924
34-36	78/34-36	40.2221	58-60	90/58-60	40.2529	50-52	102/50-52	40.2925
36-38	78/36-38	40.2222	60-62	90/60-62	40.2530	52-54	102/52-54	40.2926
38-40	78/38-40	40.2223	62-64	90/62-64	40.2531	54-56	102/54-56	40.2927
40-42	78/40-42	40.2224	64	90/64	40.2532	56-58	102/56-58	40.2928
42-44	78/42-44	40.2225				58-60	102/58-60	40.2929
44-46	78/44-46	40.2226				60-62	102/60-62	40.2930
46-48	78/46-48	40.2227	blind	90 multi is max. 2x25, 3x15		62-64	102/62-64	40.2931
48-50	78/48-50	40.2228	40-42	94/0	40.2600	64-66	102/64-66	40.2932
50-52	78/50-52	40.2229	42-44	94/40-42	40.2620	66-68	102/66-68	40.2933
52-53	78/52-53	40.2230	44-46	94/42-44	40.2621	68-70	102/68-70	40.2934
53-54	78/53-54	40.2231	46-48	94/44-46	40.2622	70-72	102/70-72	40.2935
54	78/54	40.2232	48-50	94/46-48	40.2623	72-74	102/72-74	40.2936
			50-52	94/48-50	40.2624	74-75	102/74-75	40.2937
	78 multi is max. 2x22, 3x15, 5x15		52-54	94/50-52	40.2625	75	102/75	40.2938
blind	80/0	40.2300	54-56	94/52-54	40.2626			
28-30	80/28-30	40.2318	56-58	94/54-56	40.2627	blind	103/0	40.3000
30-32	80/30-32	40.2319	58-60	94/56-58	40.2628	26-28	103/26-28	40.3013
32-34	80/32-34	40.2320	60-62	94/58-60	40.2629	28-30	103/28-30	40.3014
34-36	80/34-36	40.2321	62-64	94/60-62	40.2630	32-34	103/32-34	40.3016
36-38	80/36-38	40.2322	64	94/62-64	40.2631	40-42	103/40-42	40.3020
38-40	80/38-40	40.2323		94/64	40.2632	42-44	103/42-44	40.3021
40-42	80/40-42	40.2324	blind	97/0	40.2700	44-46	103/44-46	40.3022
42-44	80/42-44	40.2325	40-42	97/40-42	40.2720	46-48	103/46-48	40.3023
44-46	80/44-46	40.2326	42-44	97/42-44	40.2721	48-50	103/48-50	40.3024
46-48	80/46-48	40.2327	44-46	97/44-46	40.2722	50-52	103/50-52	40.3025
48-50	80/48-50	40.2328	46-48	97/46-48	40.2723	52-54	103/52-54	40.3026
50-52	80/50-52	40.2329	48-50	97/48-50	40.2724	54-56	103/54-56	40.3027
52-54	80/52-54	40.2330	50-52	97/50-52	40.2725	56-58	103/56-58	40.3028
54-56	80/54-56	40.2331	52-54	97/52-54	40.2726	58-60	103/58-60	40.3029
56-58	80/56-58	40.2332	54-56	97/54-56	40.2727	60-62	103/60-62	40.3030
58-60	80/58-60	40.2333	56-58	97/56-58	40.2728	62-64	103/62-64	40.3031
60	80/60	40.2334	58-60	97/58-60	40.2729	64-66	103/64-66	40.3032
	80 multi is max. 2x22, 3x15, 5x15		60-62	97/60-62	40.2730	66-68	103/66-68	40.3033
blind	82/0	40.2400	62-64	97/62-64	40.2731	68-70	103/68-70	40.3034
28-30	82/28-30	40.2418	64	97/64	40.2732	70-72	103/70-72	40.3035
30-32	82/30-32	40.2419				72-74	103/72-74	40.3036
32-34	82/32-34	40.2420	blind	100/0	40.2800	74-75	103/74-75	40.3037
34-36	82/34-36	40.2421	40-42	100/40-42	40.2820	75	103/75	40.3038
36-38	82/36-38	40.2422	42-44	100/42-44	40.2821			
38-40	82/38-40	40.2423	44-46	100/44-46	40.2822	blind	105/0	40.3100
40-42	82/40-42	40.2424	46-48	100/46-48	40.2823	40-42	105/40-42	40.3120
42-44	82/42-44	40.2425	48-50	100/48-50	40.2824	42-44	105/42-44	40.3121
44-46	82/44-46	40.2426	50-52	100/50-52	40.2825	44-46	105/44-46	40.3122
46-48	82/46-48	40.2427	52-54	100/52-54	40.2826	46-48	105/46-48	40.3123
48-50	82/48-50	40.2428	54-56	100/54-56	40.2827	48-50	105/48-50	40.3124
50-52	82/50-52	40.2429	56-58	100/56-58	40.2828	50-52	105/50-52	40.3125
			58-60	100/58-60	40.2829	52-54	105/52-54	40.3126

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
54-56	105/54-56	40.3127	76-78	118/76-78	40.3438	88-90	128/88-90	40.3744
56-58	105/56-58	40.3128	78-80	118/78-80	40.3439	90-92	128/90-92	40.3745
58-60	105/58-60	40.3129	80-82	118/80-82	40.3440	92	128/92	40.3746
60-62	105/60-62	40.3130	82-84	118/82-84	40.3441	blind	131/0	40.3800
62-64	105/62-64	40.3131	84-86	118/84-86	40.3442	60-62	131/60-62	40.3830
64-66	105/64-66	40.3132	86-88	118/86-88	40.3443	62-64	131/62-64	40.3831
66-68	105/66-68	40.3133	88-90	118/88-90	40.3444	64-66	131/64-66	40.3832
68-70	105/68-70	40.3134	90	118/90	40.3445	66-68	131/66-68	40.3833
70-72	105/70-72	40.3135	blind	122/0	40.3500	68-70	131/68-70	40.3834
72-74	105/72-74	40.3136	60-62	122/60-62	40.3530	70-72	131/70-72	40.3835
74-75	105/74-75	40.3137	62-64	122/62-64	40.3531	72-74	131/72-74	40.3836
75	105/75	40.3138	64-66	122/64-66	40.3532	74-76	131/74-76	40.3837
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

INSTALLATION INSTRUCTIONS

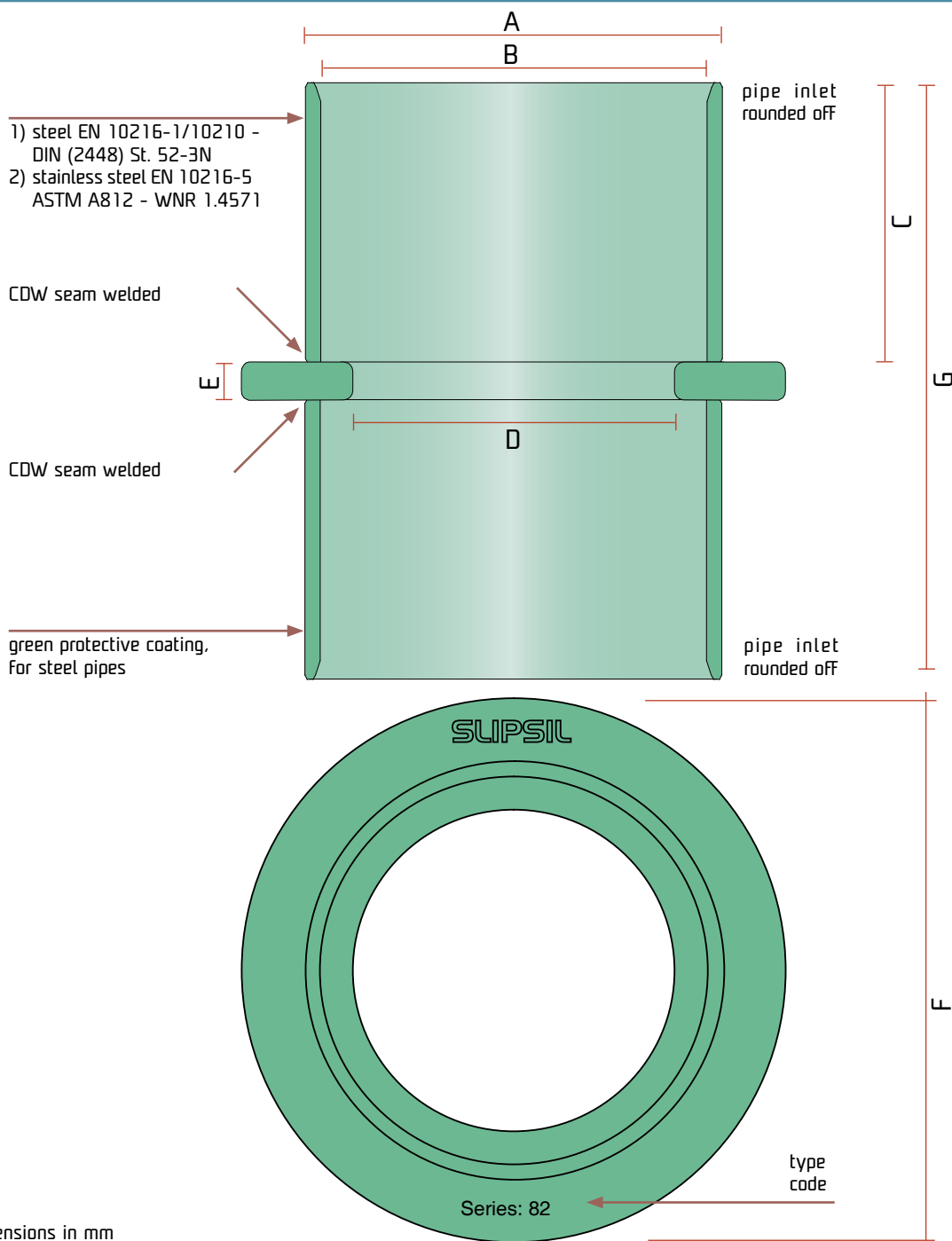
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number
blind	152/0	40.4100	125	156/125	40.4339	141-143	207/141	40.4834
88-90	152/88-90	40.4120	blind	160/0	40.4400	156-158	207/156	40.4842
90-92	152/90-92	40.4121	88-90	160/88-90	40.4420	159-161	207/159	40.4843
92-94	152/92-94	40.4122	90-92	160/90-92	40.4421	168-170	207/168	40.4848
94-96	152/94-96	40.4123	92-94	160/92-94	40.4422	160	250/160	40.5010
96-98	152/96-98	40.4124	94-96	160/94-96	40.4423	168	250/168	40.5014
98-100	152/98-100	40.4125	96-98	160/96-98	40.4424	171	250/171	40.5015
100-102	152/100-102	40.4126	98-100	160/98-100	40.4425	180	250/180	40.5020
102-104	152/102-104	40.4127	100-102	160/100-102	40.4426	200	250/200	40.5030
104-106	152/104-106	40.4128	102-104	160/102-104	40.4427	160	260/160	40.5210
106-108	152/106-108	40.4129	104-106	160/104-106	40.4428	164	260/168	40.5212
108-110	152/108-110	40.4130	106-108	160/106-108	40.4429	168	260/168	40.5214
110-112	152/110-112	40.4131	108-110	160/108-110	40.4430	200	260/200	40.5230
112-114	152/112-114	40.4132	110-112	160/110-112	40.4431	204	260/204	40.5232
114-116	152/114-116	40.4133	112-114	160/112-114	40.4432	219	260/219	40.5239
116-118	152/116-118	40.4134	114-116	160/114-116	40.4433	200	300/200	40.5321
118-120	152/118-120	40.4135	116-118	160/116-118	40.4434	219	300/219	40.5330
120-122	152/120-122	40.4136	118-120	160/118-120	40.4435	225	300/225	40.5333
122-124	152/122-124	40.4137	120-122	160/120-122	40.4436	250	300/250	40.5346
124-125	152/124-125	40.4138	122-124	160/122-124	40.4437	219	339/219	40.5518
125	152/125	40.4139	124-125	160/124-125	40.4438	273	339/273	40.5545
blind	154/0	40.4200	125	160/125	40.4439			
88-90	154/88-90	40.4220	blind	190/0	40.4500			
90-92	154/90-92	40.4221	110-112	190/110	40.4520			
92-94	154/92-94	40.4222	114-116	190/114	40.4523			
94-96	154/94-96	40.4223	125-127	190/125	40.4528			
96-98	154/96-98	40.4224	139-141	190/139	40.4533			
98-100	154/98-100	40.4225	142-144	190/142	40.4534			
100-102	154/100-102	40.4226	150-152	190/150	40.4538			
102-104	154/102-104	40.4227	153-155	190/153	40.4541			
104-106	154/104-106	40.4228	159-161	190/159	40.4543			
106-108	154/106-108	40.4229	blind	200/0	40.4600			
108-110	154/108-110	40.4230	110-112	200/110	40.4620			
110-112	154/110-112	40.4231	114-116	200/114	40.4623			
112-114	154/112-114	40.4232	120-122	200/120	40.4626			
114-116	154/114-116	40.4233	122-124	200/122	40.4627			
116-118	154/116-118	40.4234	125-127	200/125	40.4628			
118-120	154/118-120	40.4235	133-135	200/133	40.4631			
120-122	154/120-122	40.4236	135-137	200/135	40.4632			
122-124	154/122-124	40.4237	139-141	200/139	40.4633			
124-125	154/124-125	40.4238	141-143	200/141	40.4634			
125	154/125	40.4239	159-160	200/159	40.4643			
blind	156/0	40.4300	160	200/160	40.4644			
88-90	156/88-90	40.4320	blind	203/0	40.4700			
90-92	156/90-92	40.4321	110-112	203/110	40.4720			
92-94	156/92-94	40.4322	114-116	203/114	40.4723			
94-96	156/94-96	40.4323	125-127	203/125	40.4728			
96-98	156/96-98	40.4324	133-135	203/133	40.4731			
98-100	156/98-100	40.4325	139-141	203/139	40.4733			
100-102	156/100-102	40.4326	141-143	203/141	40.4734			
102-104	156/102-104	40.4327	159-161	203/159	40.4743			
104-106	156/104-106	40.4328	162-164	200/162	40.4744			
106-108	156/106-108	40.4329	168-170	203/168	40.4748			
108-110	156/108-110	40.4330	blind	207/0	40.4800			
110-112	156/110-112	40.4331	110-112	207/110	40.4820			
112-114	156/112-114	40.4332	114-116	207/114	40.4823			
114-116	156/114-116	40.4333	125-127	207/125	40.4828			
116-118	156/116-118	40.4334	129-131	207/129	40.4829			
118-120	156/118-120	40.4335	133-135	207/133	40.4831			
120-122	156/120-122	40.4336	139-141	207/139	40.4833			
122-124	156/122-124	40.4337						
124-125	156/124-125	40.4338						



INSTALLATION INSTRUCTIONS

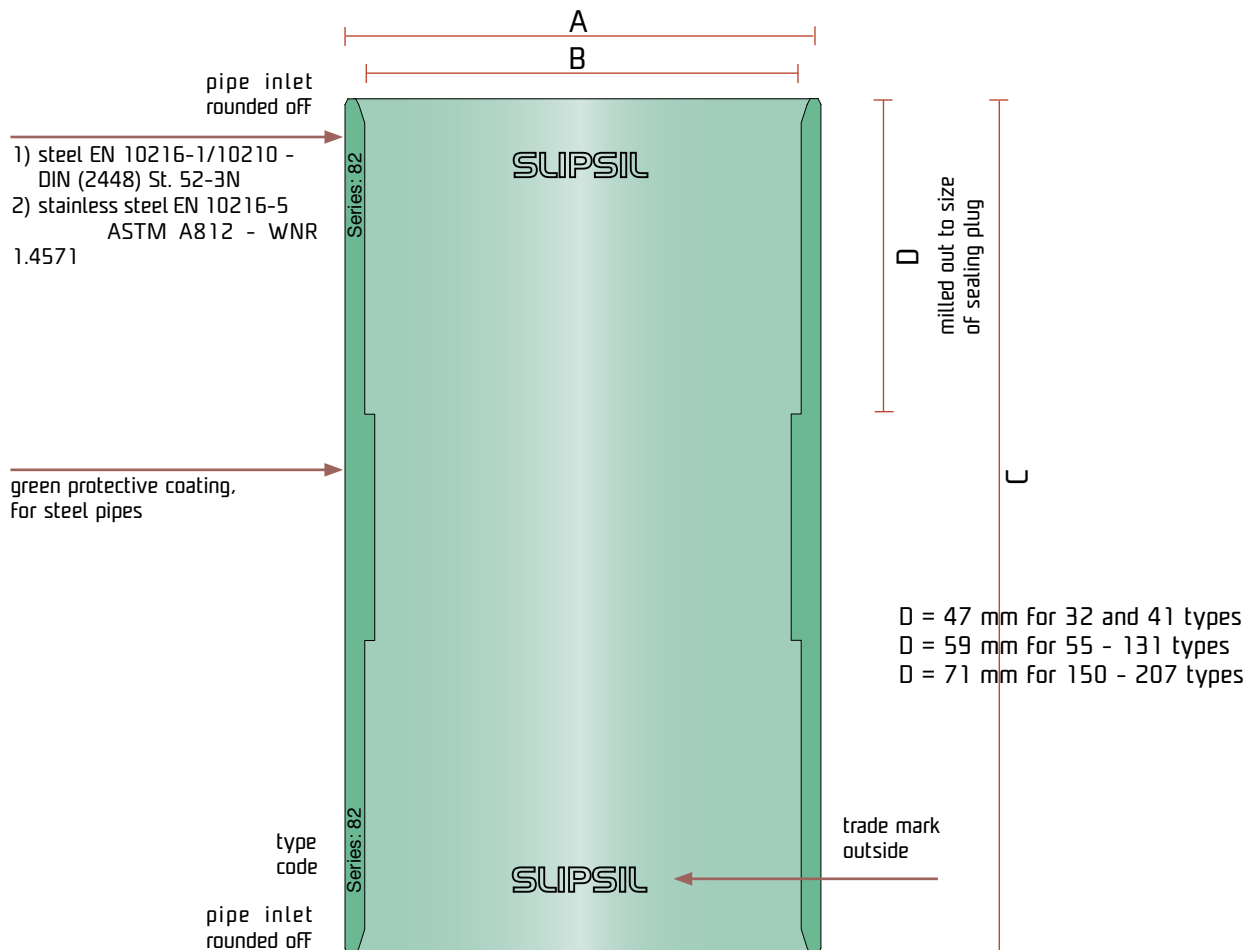
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



type	A	B	C	D	E	F	G	art. no. steel	art. no. stainless
CSD 41 WD	48.5	41	47	25	10	75	104	60.8042	60.8062
CSD 55 WD	62.5	55	59	34	10	90	128	60.8043	60.8063
CSD 70 WD	78	70	59	50	10	105	128	60.8044	60.8064
CSD 82 WD	90	82	59	60	10	115	128	60.8045	60.8065
CSD 100 WD	108	100	59	75	10	135	128	60.8046	60.8066
CSD 125 WD	134	125	59	100	10	160	128	60.8047	60.8067
CSD 150 WD	159	150	72	125	10	185	154	60.8048	60.8068

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

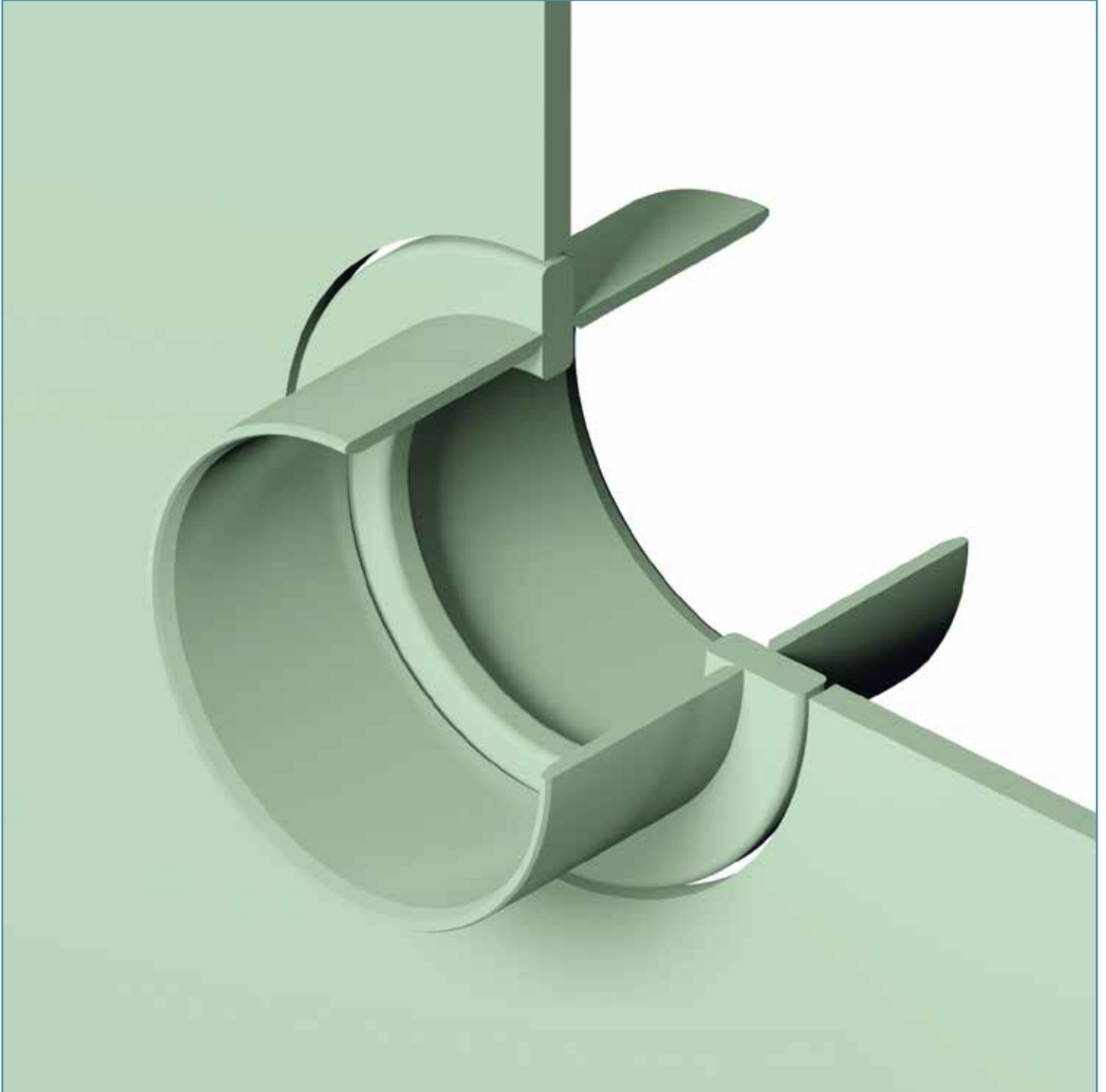


All dimensions in mm

type	A	B	C	art. no. steel	art. no. stainless	type	A	B	C	art. no. steel	art. no. stainless
SL 41 WS	48.5	41	120	60.8201	60.8246	SL 41 WS	48.5	41	250	60.8231	60.8276
SL 55 WS	62.5	55	160	60.8202	60.8247	SL 55 WS	62.5	55	250	60.8232	60.8277
SL 62 WS	70	62	160	60.8203	60.8248	SL 62 WS	70	62	250	60.8233	60.8278
SL 70 WS	78	70	160	60.8204	60.8249	SL 70 WS	78	70	250	60.8234	60.8279
SL 82 WS	90	82	160	60.8205	60.8250	SL 82 WS	90	82	250	60.8235	60.8280
SL 100 WS	108	100	160	60.8206	60.8251	SL 100 WS	108	100	250	60.8236	60.8281
SL 107 WS	115	107	160	60.8207	60.8252	SL 107 WS	114	107	250	60.8237	60.8282
SL 131 WS	140	131	160	60.8208	60.8253	SL 131 WS	139	131	250	60.8238	60.8283
SL 150 WS	159	150	180	60.8209	60.8254	SL 150 WS	159	150	250	60.8239	60.8284
SL 207 WS	220	207	180	60.8210	60.8255	SL 207 WS	212	203	250	60.8240	60.8285

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® sealing system consists of SLIPSIL® sealing plugs and fitting SLIPSIL® conduit sleeves. The fitting SLIPSIL® conduit sleeves are vital for an optimum functionality with regard to gas and water tightness. The inner dimensions of the sleeves are exactly milled for a perfect fit of the sealing plugs. This means that the plugs have to cope only with the tolerances of the ducted pipe/cable. Furthermore, the inlet of the conduit sleeve is rounded, which allows a smooth insertion of the plugs, and also prevents damage to the plugs. A shoulder inside the conduit sleeves prevents the plugs from being inserted too deep or unequally. The flange makes positioning and welding in the sleeves correctly and easier as well.

INSTALLATION INSTRUCTIONS

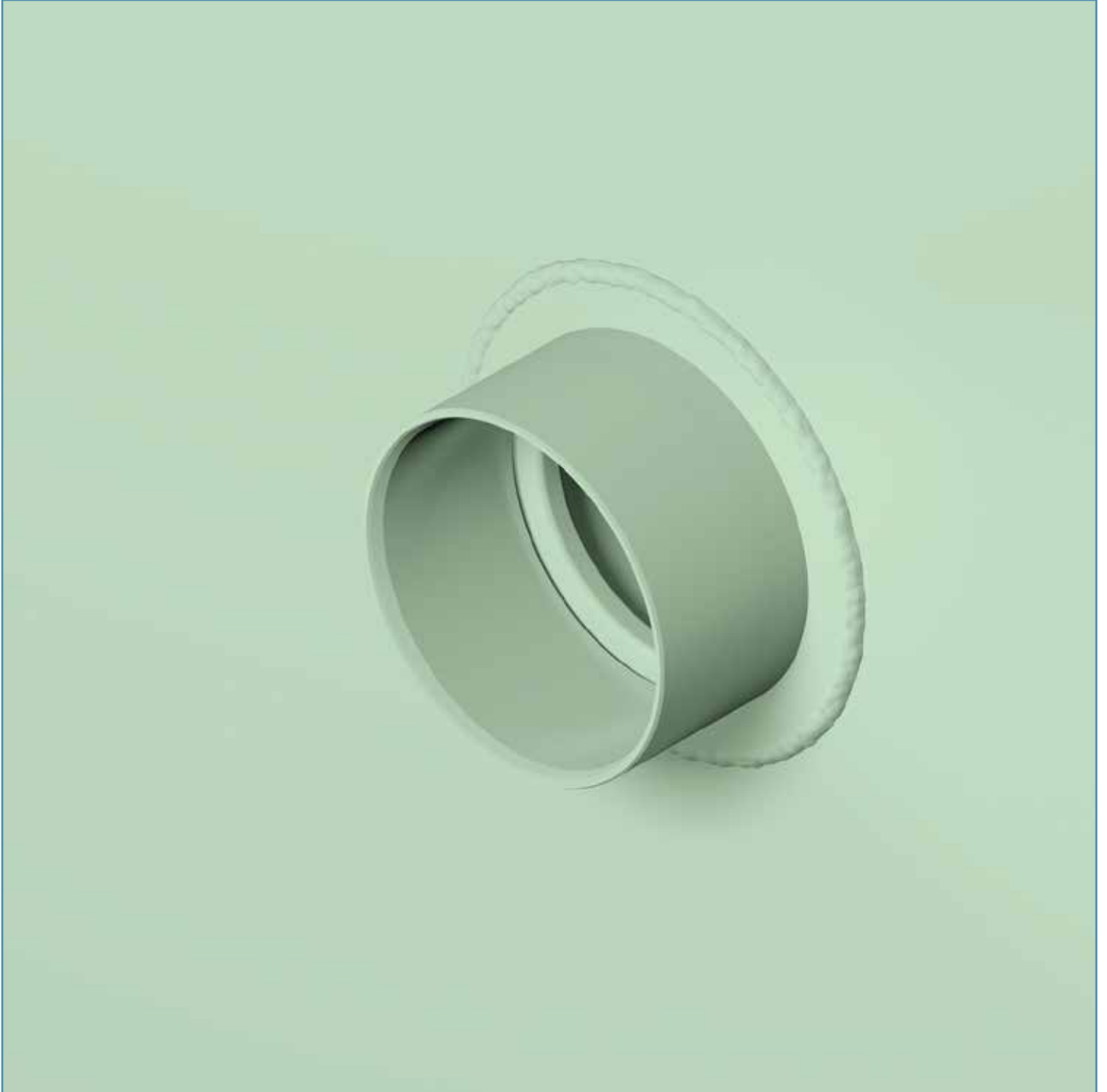
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The thickness of the welding flange is 10 mm to prevent tilting of the conduit sleeve or destroying the thinner wall conduit sleeves during welding. The SLIPSIL® conduit sleeves are made from steel or stainless steel. Flange and sleeve are welded together by capacitive discharge welding. This means connecting same material with a view to prevent crevice corrosion. The stainless steel SLIPSIL® conduit sleeves (1.4571) are passivated and have been tested with a salt fog test for 20 years sea water resistance. The steel sleeves are made from steel EN 10216-1/10210 St. 52-3N. With the SLIPSIL® conduit sleeves water tightness is improved. Maximum size is 150 mm ID.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The SLIPSIL® conduit sleeve welded into the construction. The length of the sleeve part to adopt the plug is equal to the length of the part of the SLIPSIL® sealing plug inserted into the conduit sleeve. The shoulder inside the conduit sleeve prevents the plug from being inserted too far, preventing the flange of the SLIPSIL® sealing plug from being damaged. The front side of the conduit sleeve is milled off and smoothed to prevent the serrated profiles of the SLIPSIL® sealing plug from being damaged. Damaging the serrated profiles at the outside of the sealing plug could easily lead to leaking. A coating is applied to prevent corrosion to the inside of the sleeve, which also makes installation easier and optimizes tightness ratings.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The pipe/cable has to be ducted straight and centrally through the SLIPSIL® conduit sleeve. The shoulder inside the conduit sleeve prevents ducting of a pipe that is too large for the proper plug series. For larger pipe sizes and longer conduits, SLIPSIL® conduit sleeves are supplied as well. However these pipes are not manufactured by capacitive discharge welding. For optimum performance of the sealing system, the SLIPSIL® sealing system should be regarded as a system, not as single components. The design of the SLIPSIL® plugs and the SLIPSIL® conduit sleeves optimizes performance and ease of installation.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



ARTICLE NUMBER 60.0900

Before starting the installation procedure, any dirt, oil residues or corrosion should be removed from the conduit sleeve and the surface of the ducted pipe. SLIPSIL® sealing plugs are made from the high grade NOFIRNO® rubber. The rubber forms a very smooth outer surface during vulcanization. Nevertheless, the engineered design of the serrated profiles is building up resistance during insertion of the SLIPSIL® sealing plugs. The rubber is very flexible with an optimized hardness. It is absolutely important to lubricate the conduit sleeve at the inside before inserting the sealing plug. Treat the inside of the conduit sleeve over its full length and all around with CSD® lubricant.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



ARTICLE NUMBER 60.0900

Before installation of the sealing plug, check to ensure that the conduit sleeve is correct for the plug series being applied, and also if the outer dimension of the ducted pipe is within the tolerances of the sealing plug. The inside surfaces of both segments of the SLIPSIL® sealing plug are treated with CSD® lubricant. Also the flat surfaces on the plug should be treated with the lubricant. Always use sufficient lubricant. It contributes to the ease of installation of the plugs. CSD® lubricant is an acid free, pharmaceutical petroleum jelly and will disappear after installation.

INSTALLATION INSTRUCTIONS

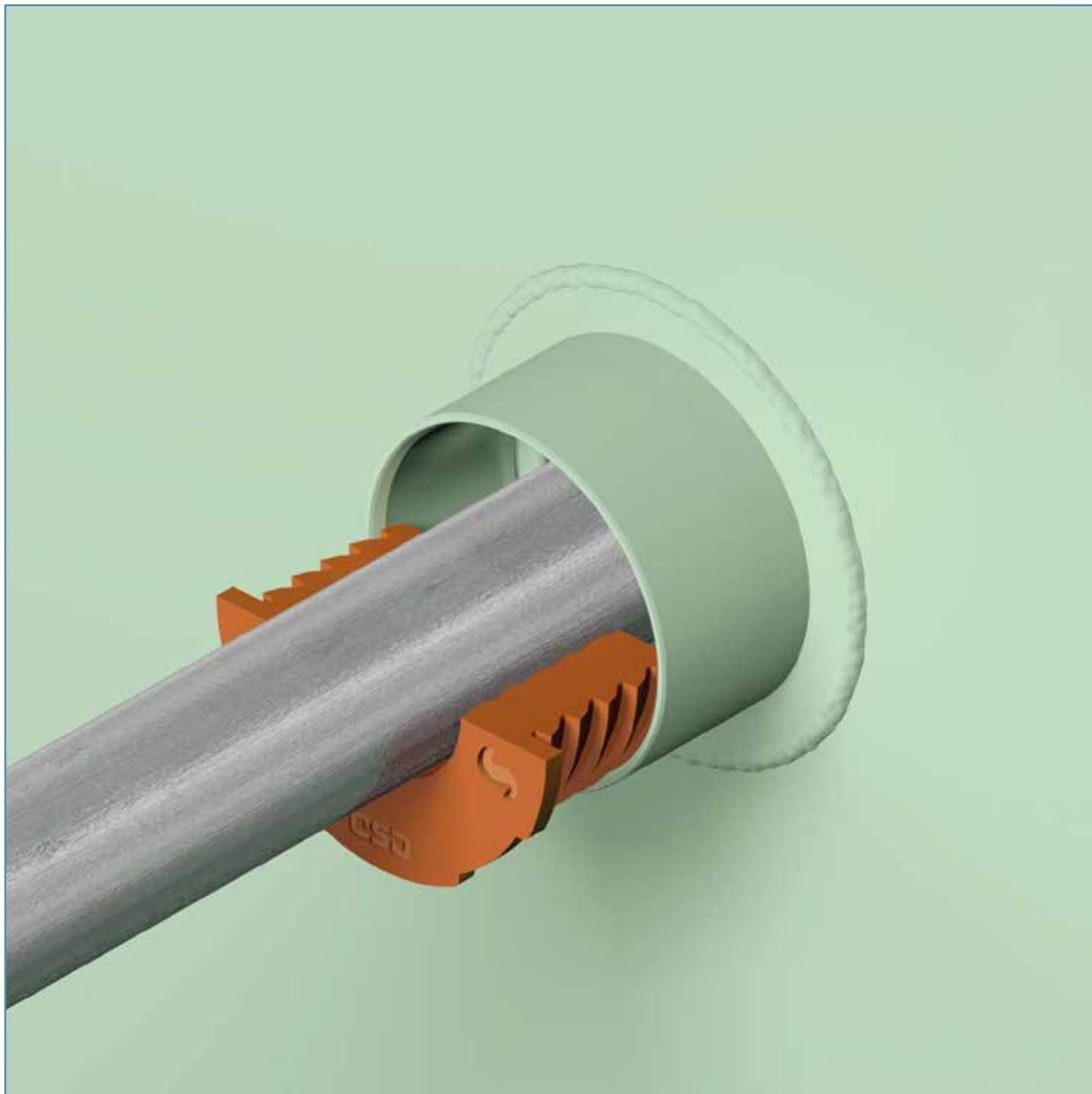
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



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



One segment of the SLIPSIL® sealing plug is positioned inside the conduit sleeve.

Note: don't insert this segment too deep into the conduit sleeves. It will only make insertion of the other segment more difficult.

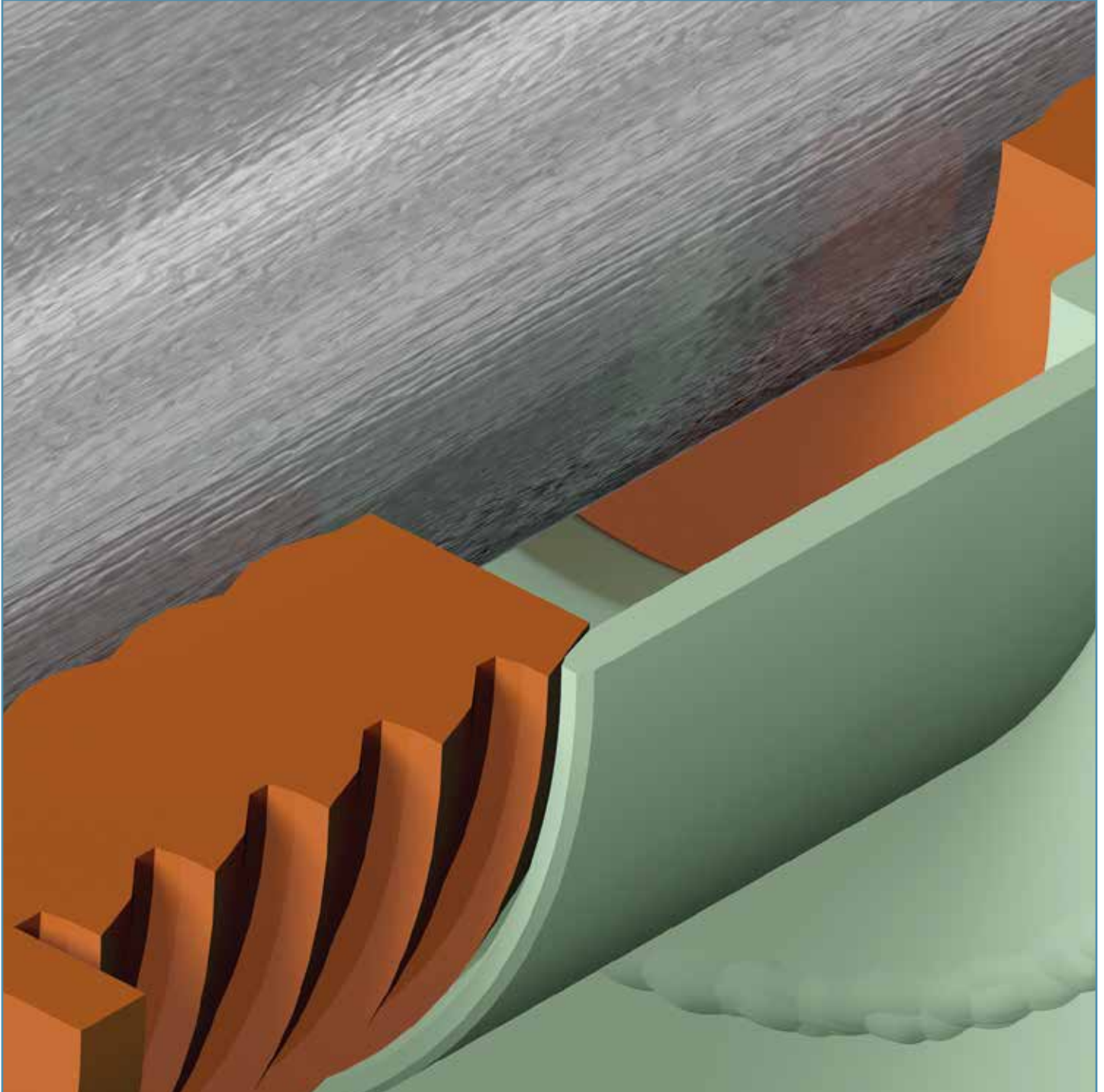
INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



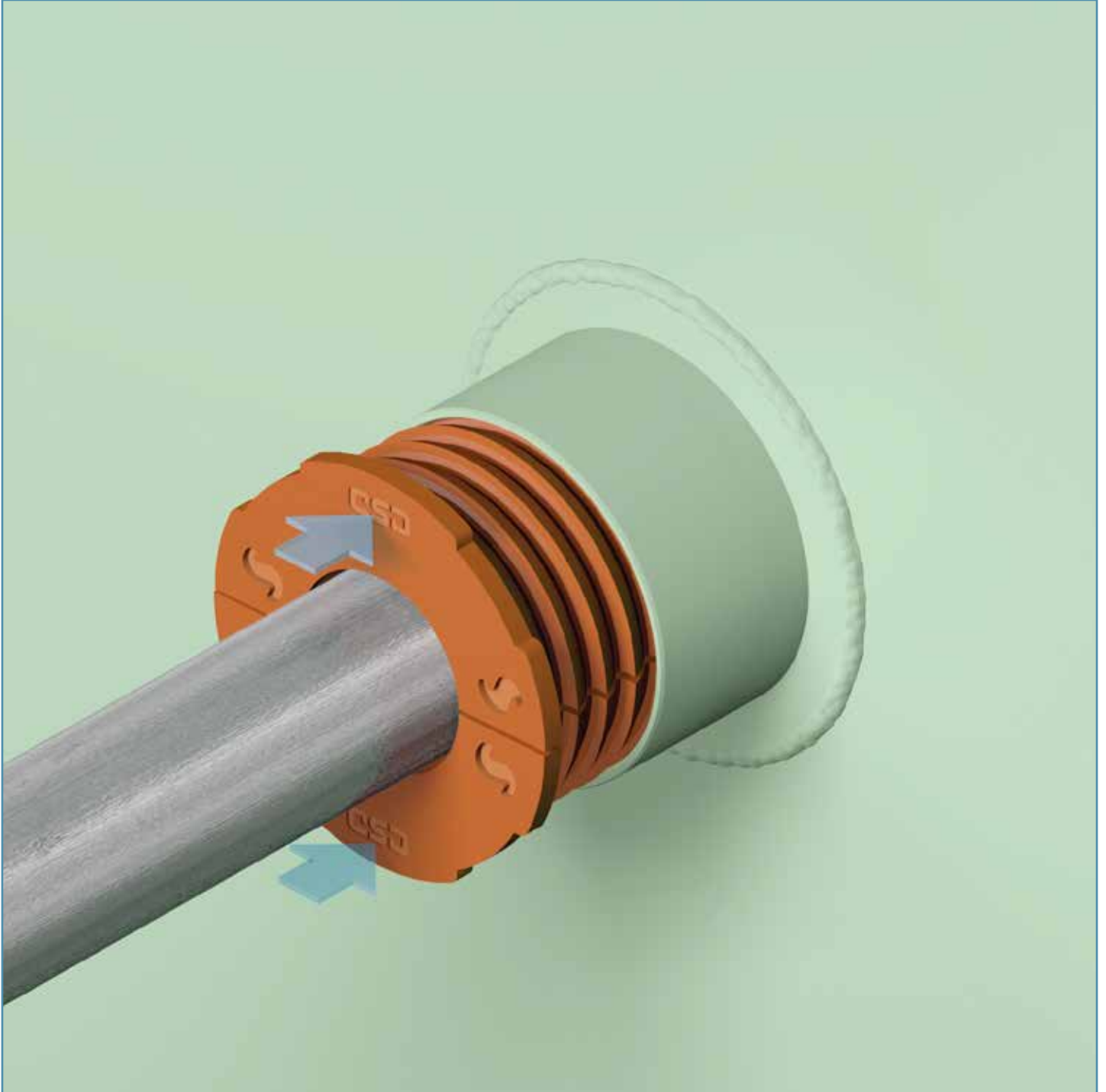
Both segments of the SLIPSIL® sealing plug are placed around the ducted pipe and then pushed into the conduit sleeve as far as the first serration. The first serration is smaller than the other serrations to make this procedure very easy.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



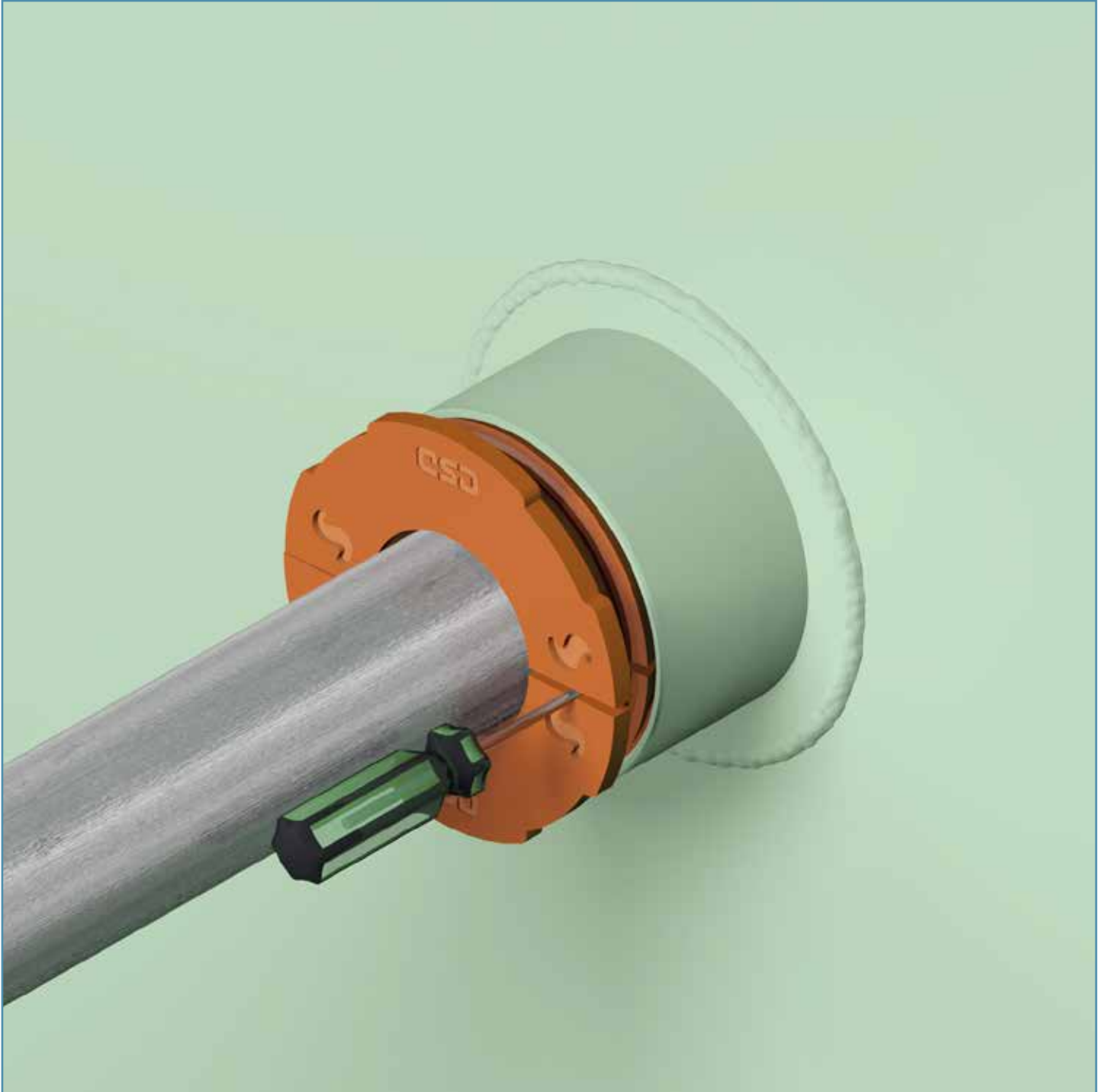
The front side of the conduit sleeve is milled to allow for a perfect gliding of the profiles during further insertion. In addition, it is designed for positioning the segments inside the conduit sleeve. The serration at the back of the plugs has a smaller diameter than the other serrations. For ease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

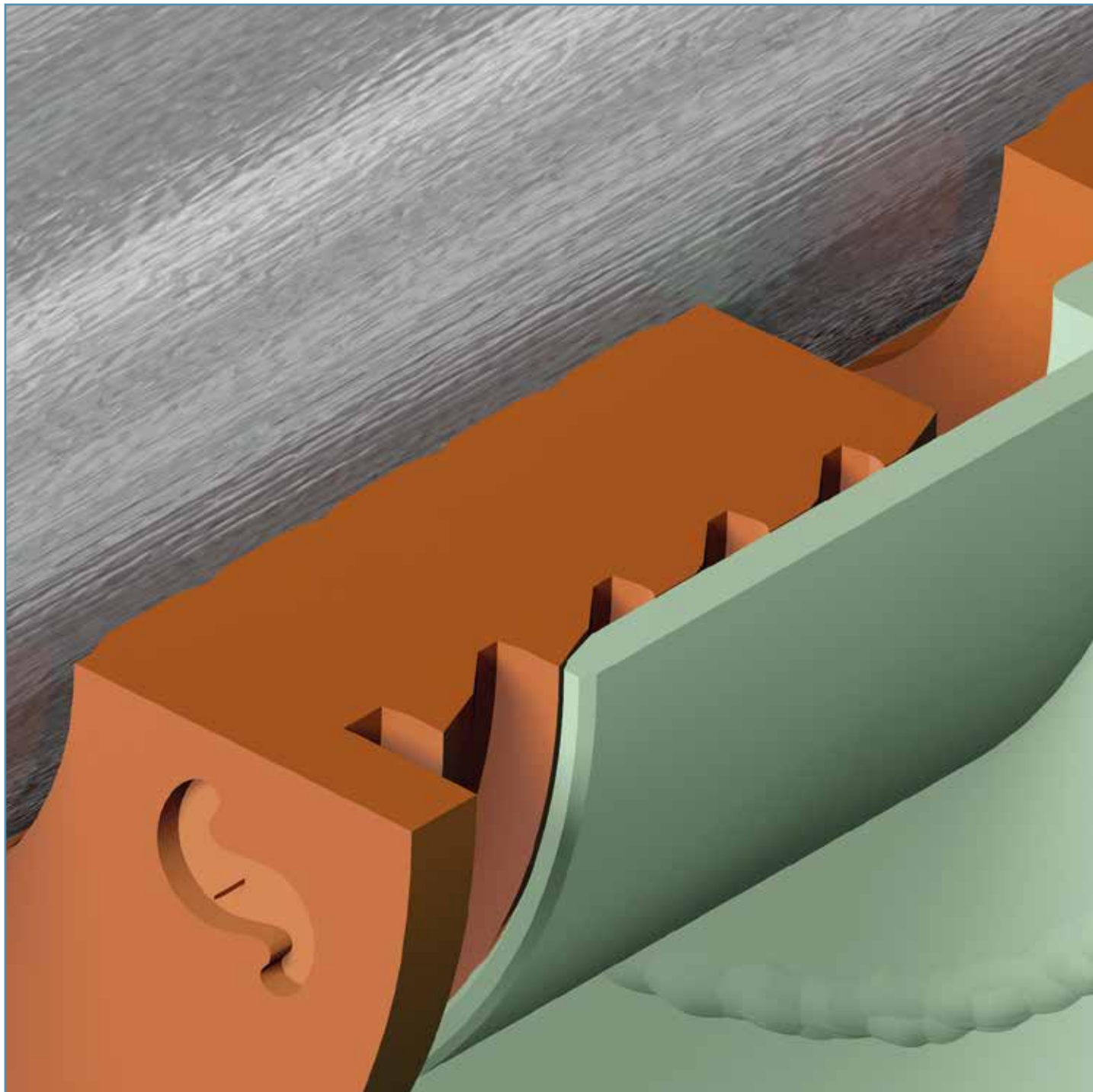
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The larger plugs might not be inserted completely 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 creates a substantial contact surface of the rubber against the wall of the conduit sleeve.

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.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



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

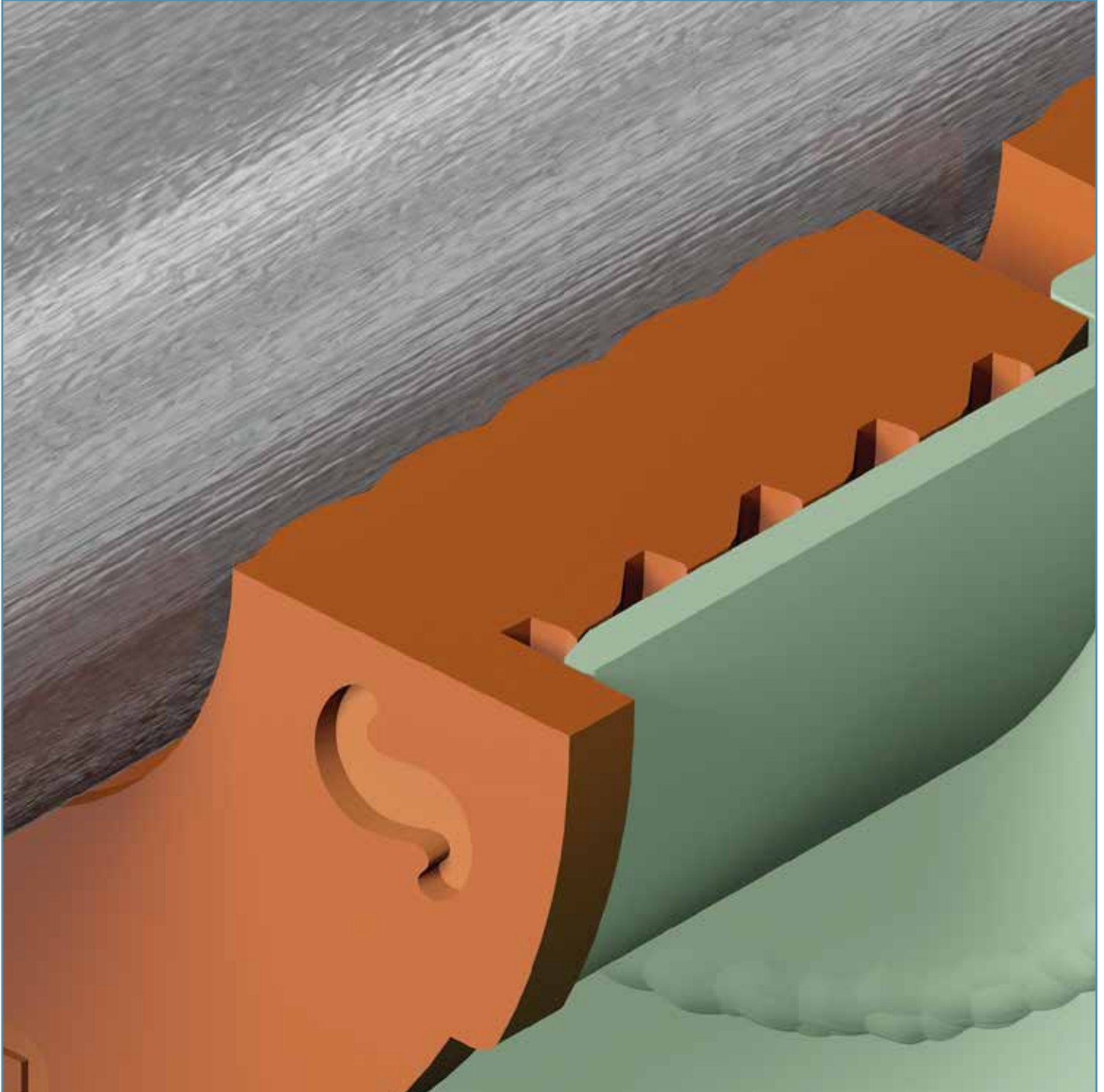
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The flanged edge of the sealing plug 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.

INSTALLATION INSTRUCTIONS

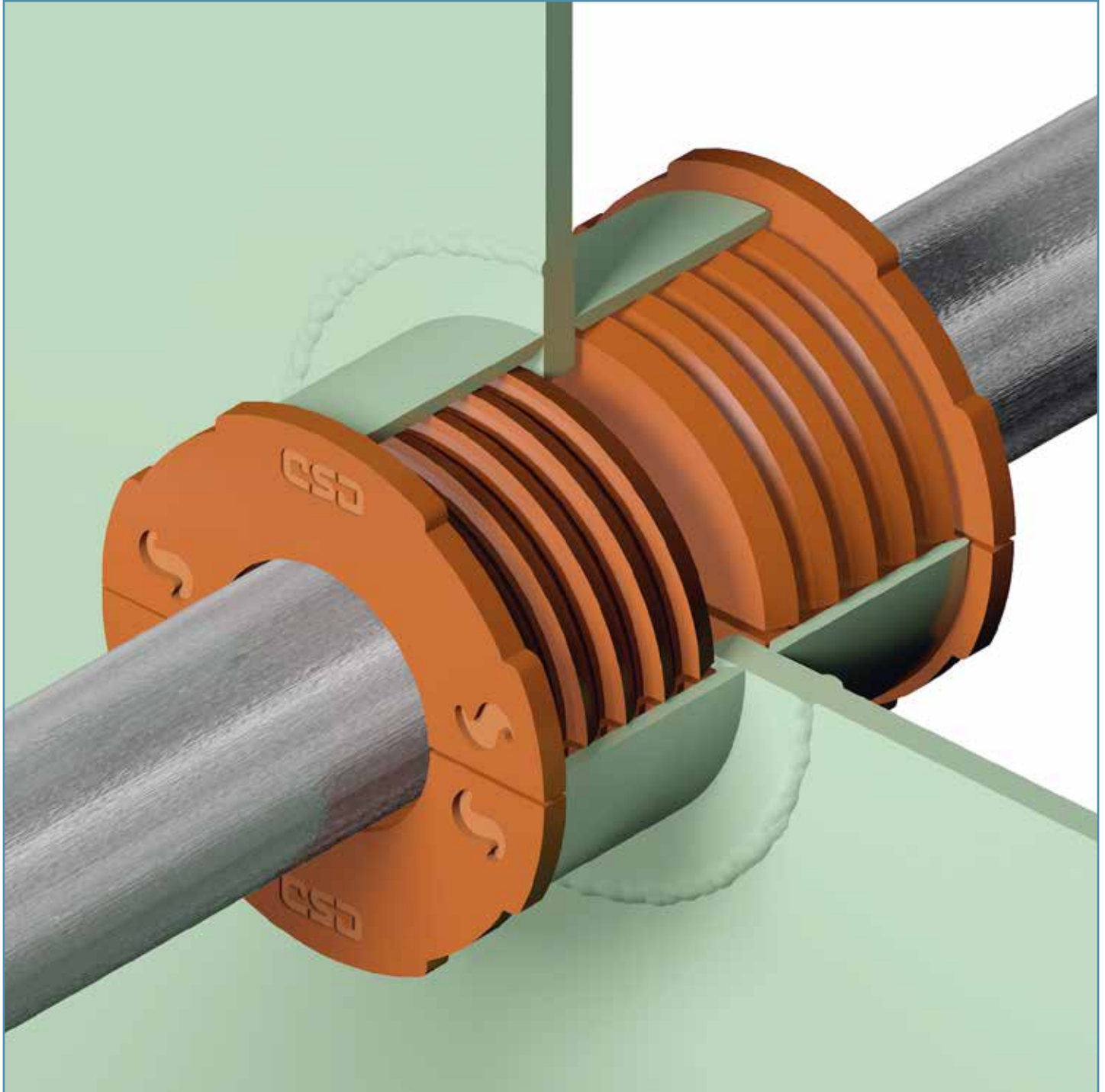
SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



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.

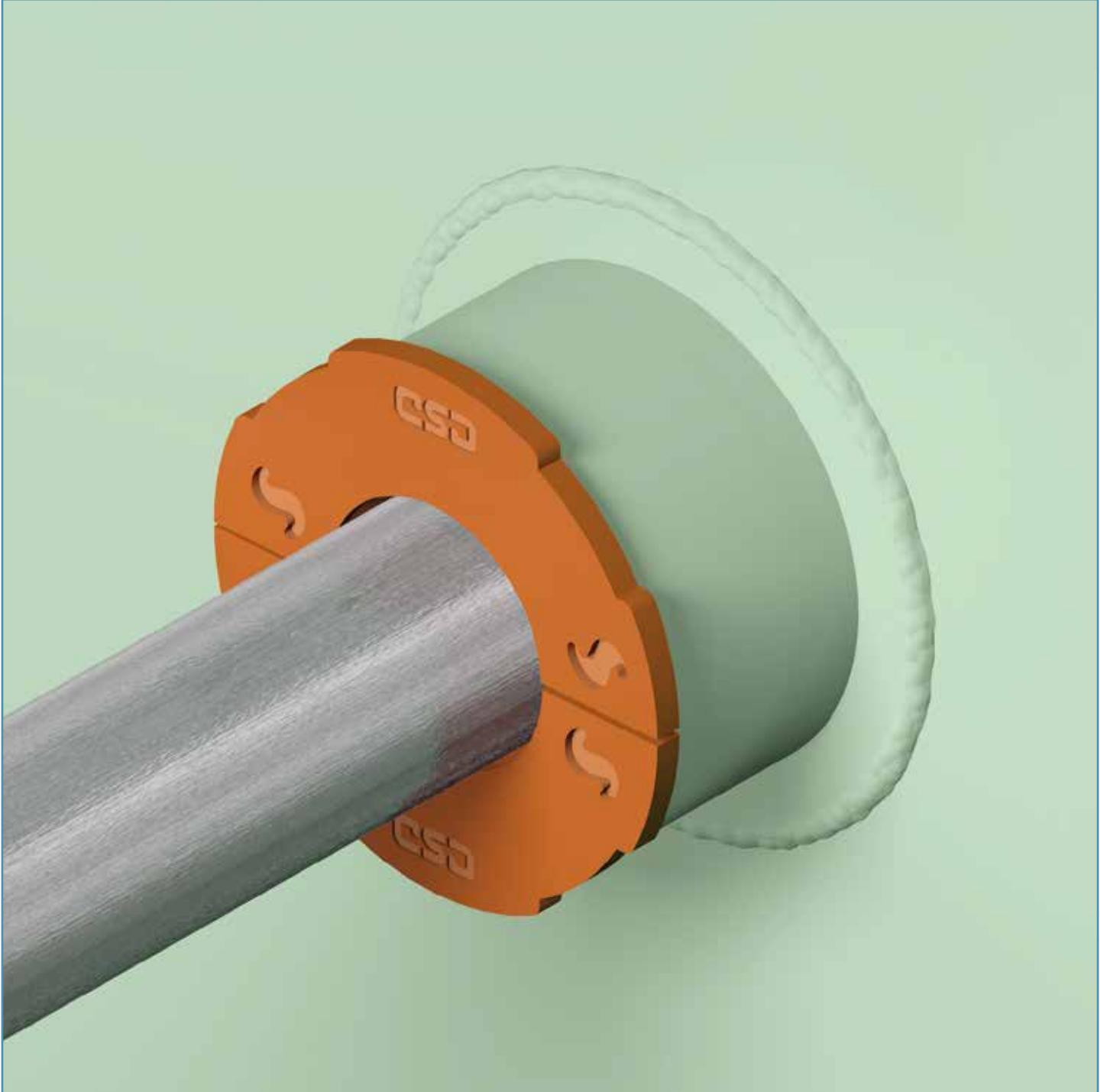
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



For certified applications, the SLIPSIL® sealing plugs are to be inserted into the SLIPSIL® conduit sleeves from both sides. The air enclosure between both sealing plugs is limited to the thickness of the shoulder inside the SLIPSIL® conduit sleeve. The enclosed air offers sufficient thermal insulation and sound damping properties.

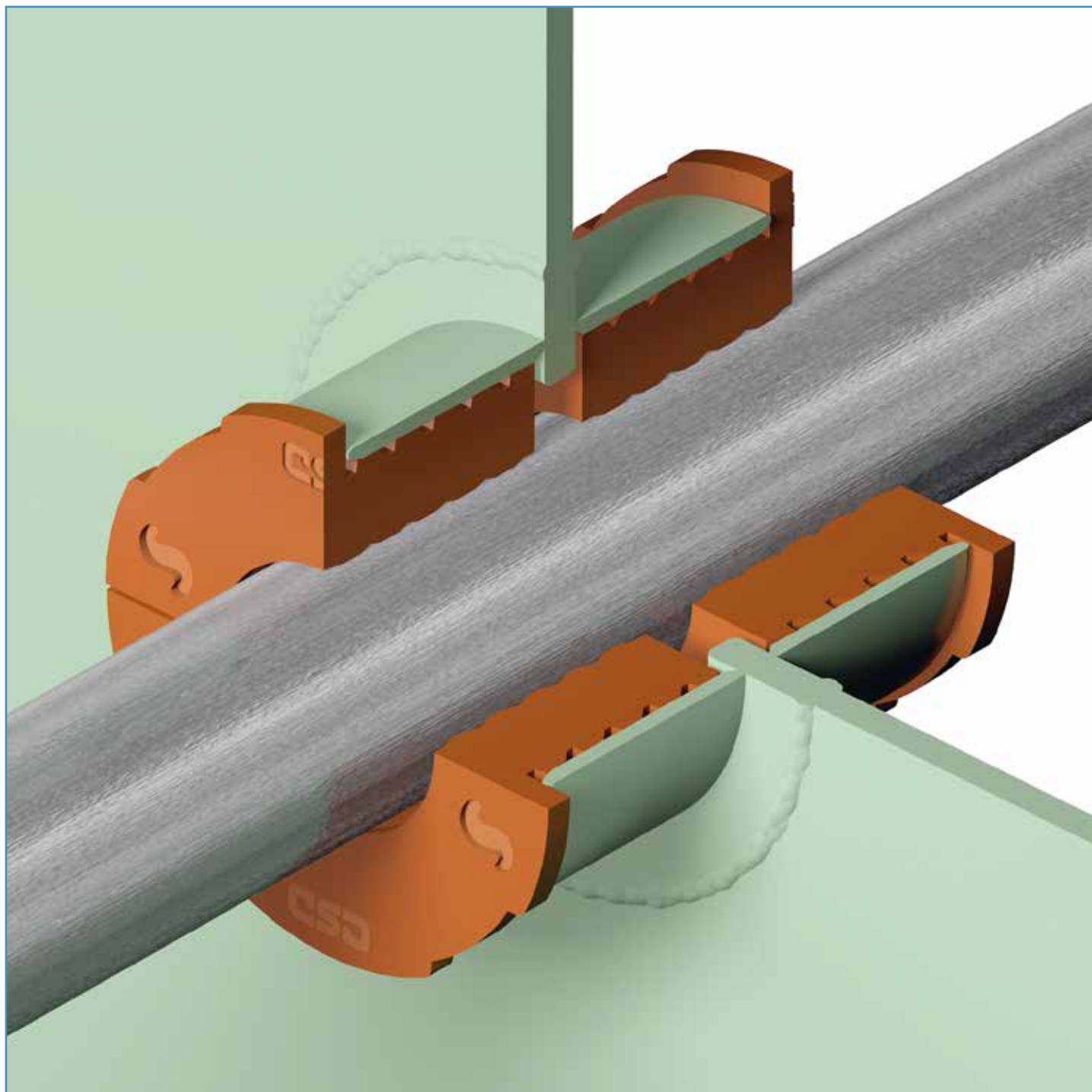
INSTALLATION INSTRUCTIONS

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 SLIPSIL® sealing plugs allow only for limited movement both in radial and axial direction. The use of SLIPSIL® sealing plugs allows ducting of a variety of metallic pipes. They prevent galvanic corrosion and absorb vibrations. The NOFIRNO® rubber, from which the SLIPSIL® sealing plugs are made, allows for application in a wide temperature range from -60 up to +180 °C. The SLIPSIL® sealing system offers excellent durability. NOFIRNO® rubber has very good UV, Ozone and weathering resistance. NOFIRNO® rubber is very endothermic and forms a protective ceramic shield under fire load.

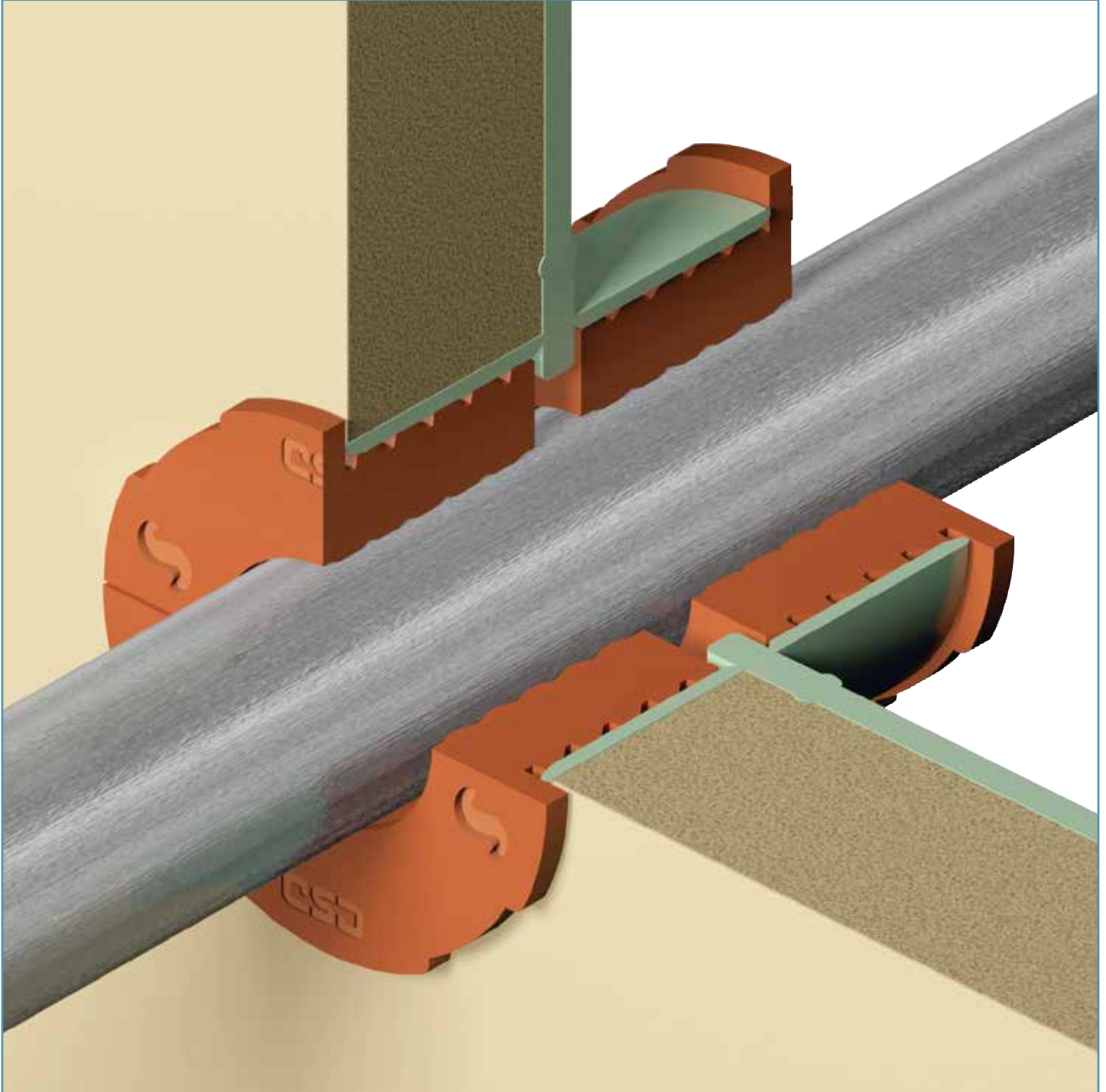
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



No metal parts are incorporated in the sealing system. No corrosion of the sealing system itself can take place. The conduit sleeves cannot corrode inside as well due to the tight sealing plugs at both sides of the transit. Invisible CUI - corrosion underneath insulation - will not occur with the SLIPSIL® sealing system.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



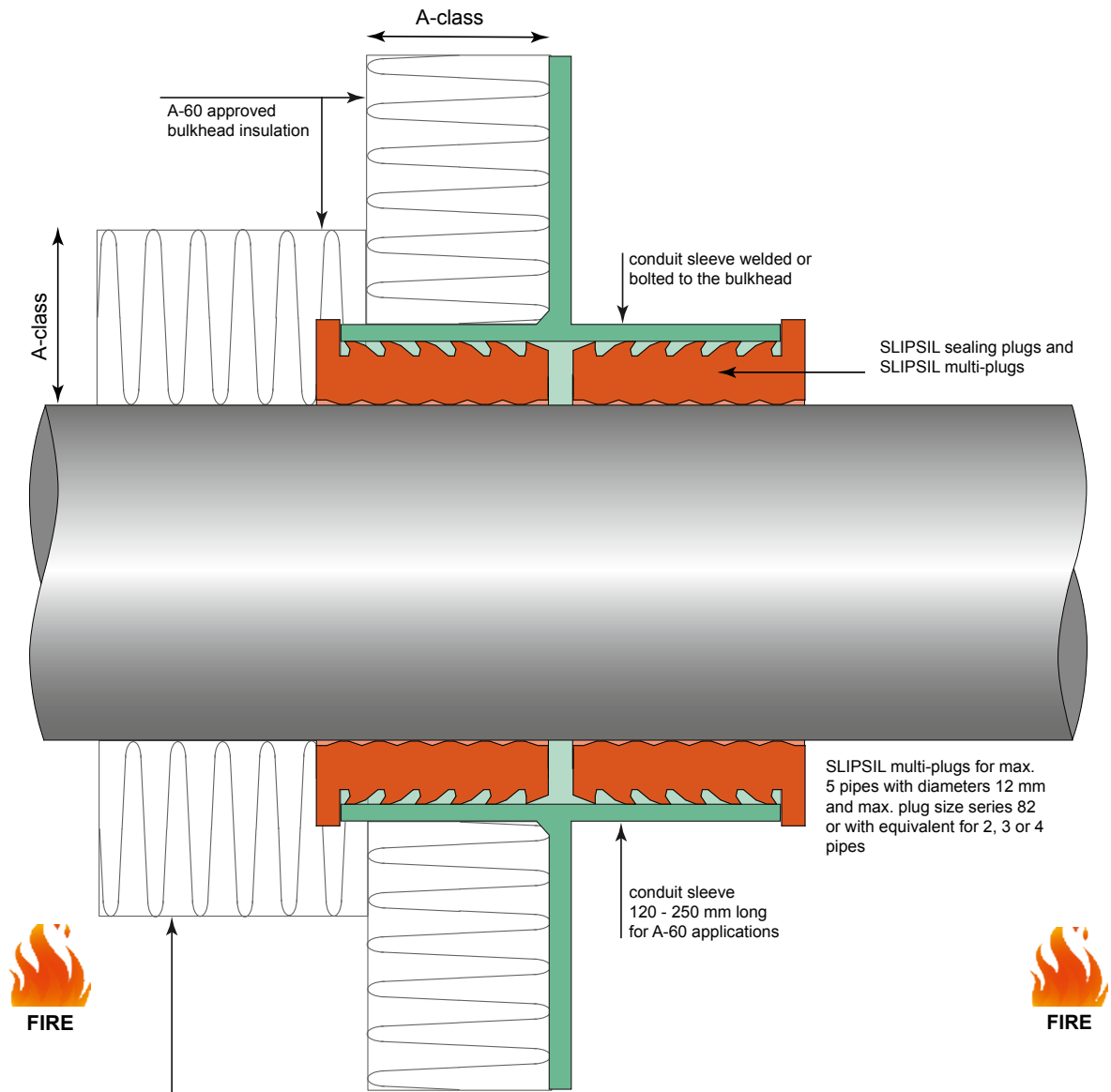
For A-class penetrations, the conduit sleeve needs to be insulated only at the insulated side of the bulkhead or at the lower side of the deck. The ducted pipe has to be insulated according to the specifications on the certified drawings.
Alternatively the conduit and the ducted metallic pipe (max. 8" NPS) can be insulated with the non-combustible FYLLOFYs® insulation (Efectis test report EFR-17-OMI-003574).
MED certificate 192130008AA02 issued by KIWA Netherlands.

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

**direction of exposure:
fire from either side**

**SLIPSIL PLUG SEALING SYSTEM for
steel/ss/CuNi pipes min. 1/16" - max. 8" NPS**



length of Insulation around ducted pipe:

steel/ss/CuNi pipes

up to 1"	none
>1" up to 3"	300 mm
>3" up to 6"	450 mm
>6" up to 8"	550 mm
8"	650 mm

conduit sleeve positioned:

- symmetrically
- or
- non-symmetrically with longest length on unexposed side



Description: SLIPSIL plug sealing system for A-60 class bulkheads

Mat.: NOFIRNO rubber

Ref.: JAB

Date:

28-09-2018

Scale:

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Rev. 1

Rev. 2

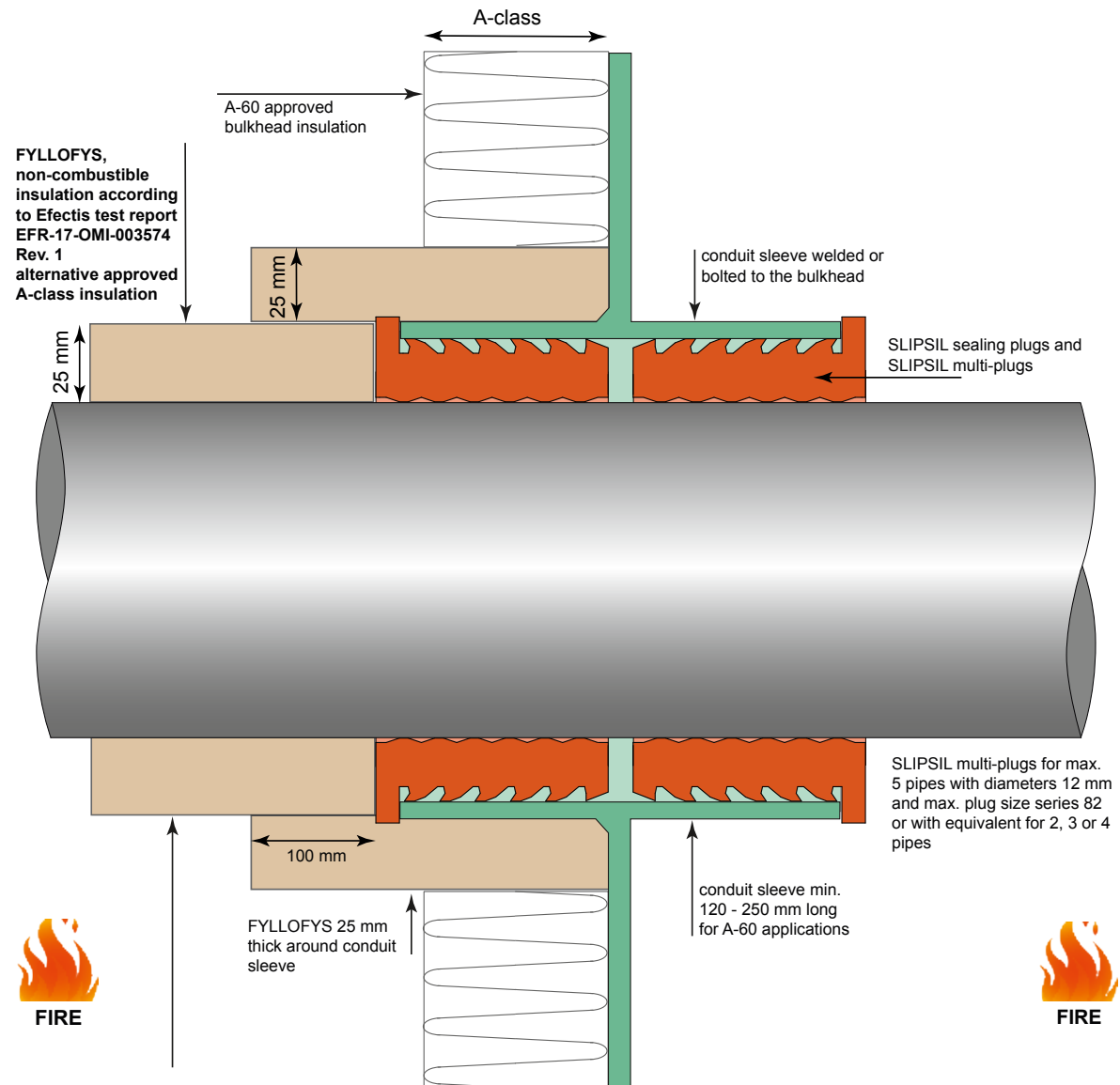
SL 071E

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

**direction of exposure:
fire from either side**

**SLIPSIL PLUG SEALING SYSTEM for
steel/ss/CuNi pipes min. 1/16" - max. 8" NPS**



length of FYLLOFYS insulation around ducted pipe:

steel/ssCuNi pipes

up to 1"	none
>1" up to 3"	300 mm
>3" up to 6"	450 mm
>6" up to 8"	550 mm
8"	650 mm

conduit sleeve positioned:

- symmetrically
- or
- non-symmetrically with longest length on unexposed side



Description: SLIPSIL plug sealing system for A-60 class bulkheads

Mat.: NOFIRNO rubber/FYLLOFYS insulation

Ref.: JAB

Date:

28-09-2018

Scale:

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Rev. 1

Rev. 2

SL 075E

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

SLIPSIL PLUG SEALING SYSTEM for copper pipes min. 1/16" - max. 4" NPS

SLIPSIL multi-plugs for max. 5 pipes with diameters 8 mm and max. plug size series 55 or with equivalent for 2, 3 or 4 pipes

A-60 approved deck insulation

A-class

SLIPSIL sealing plugs and SLIPSIL multi-plugs

conduit sleeve welded or bolted to the deck

conduit sleeve 120 - 250 mm long for A-60 applications

FIRE

FIRE

A-class

length of Insulation around ducted pipe:

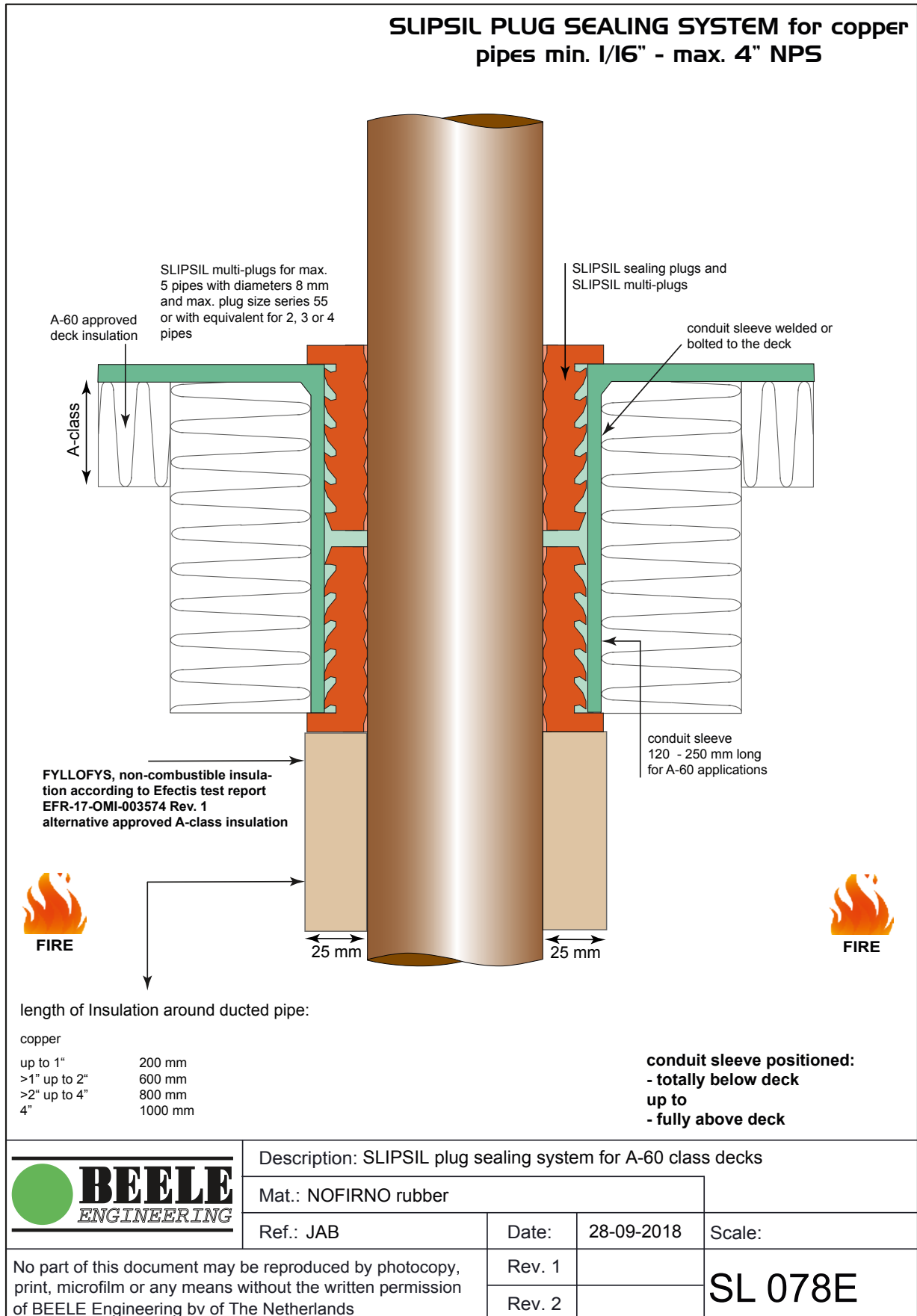
copper	
up to 1"	200 mm
>1" up to 2"	600 mm
>2" up to 4"	800 mm
4"	1000 mm

conduit sleeve positioned:
- totally below deck
up to
- fully above deck

	Description: SLIPSIL plug sealing system for A-60 class decks			
	Mat.: NOFIRNO rubber			
	Ref.: JAB	Date:	28-09-2018	Scale:
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	Rev. 2			

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS

PRODUCT INFORMATION

FYLLOFYS® THERMAL INSULATION

01) material base	hydrous phyllosilicate
02) finishing	FISSIC® non-combustible coating
02) specific gravity	500 ± 50 kg/m ³
03) application limit	1100 °C
04) cold compressive strength	1.5 N/mm ² (DIN-EN 1094-5)
05) thermal expansion (linear)	0.6% (750 °C)
06) permanent linear change	< 1% (1000 °C)
07) thermal conductivity	0.15 W/mK (200 °C) 0.17 W/mK (400 °C) 0.19 W/mK (600 °C) ASTM C 1113
08) non-combustible	MED certificate 192130007/AA/00 issued by KIWA Netherlands

PRODUCT INFORMATION

FISSIC® PROTECTIVE COATING

- FISSIC®** is a fire retardant coating on the basis of an APEO-free water-based polymer emulsion without the addition of VOC containing solvents.
- FISSIC®** has been tested successfully on flame spread characteristics and toxicity and is classed as "not capable of producing excessive quantity of smoke or toxic product". MED certificate 39278/B0 EC issued by Bureau Veritas.
- FISSIC®** is fire proof and salt water resistance (even after fire). KIWA Netherlands report 20150421HN01.
- FISSIC®** is gas tight 30 mBar.
- FISSIC®** is water impermeable. KIWA Netherlands report 20160203TW01
- FISSIC®** resistance to diesel & petrol. KIWA Netherlands report 20160224TW01
- FISSIC®** prevents "CUI - corrosion underneath insulation"
- FISSIC®** successfully SBI tested according to EN 13823:2010 for B-s1-d0 class rating.
- FISSIC®** successfully tested according to ISO 1716 for A2-s1-d0. Warrington report 18250B
- FISSIC®** adhesion 3.84 MPa according to ISO 4624:08-2003. KIWA report P 10498a
- FISSIC®** successfully tested on wear resistance according to EN 660-1:1999 - no mass reduction after 2000 double-strokes with a load of 17 kg. KIWA Polymer Institute report P 11035-E

PRODUCT INFORMATION

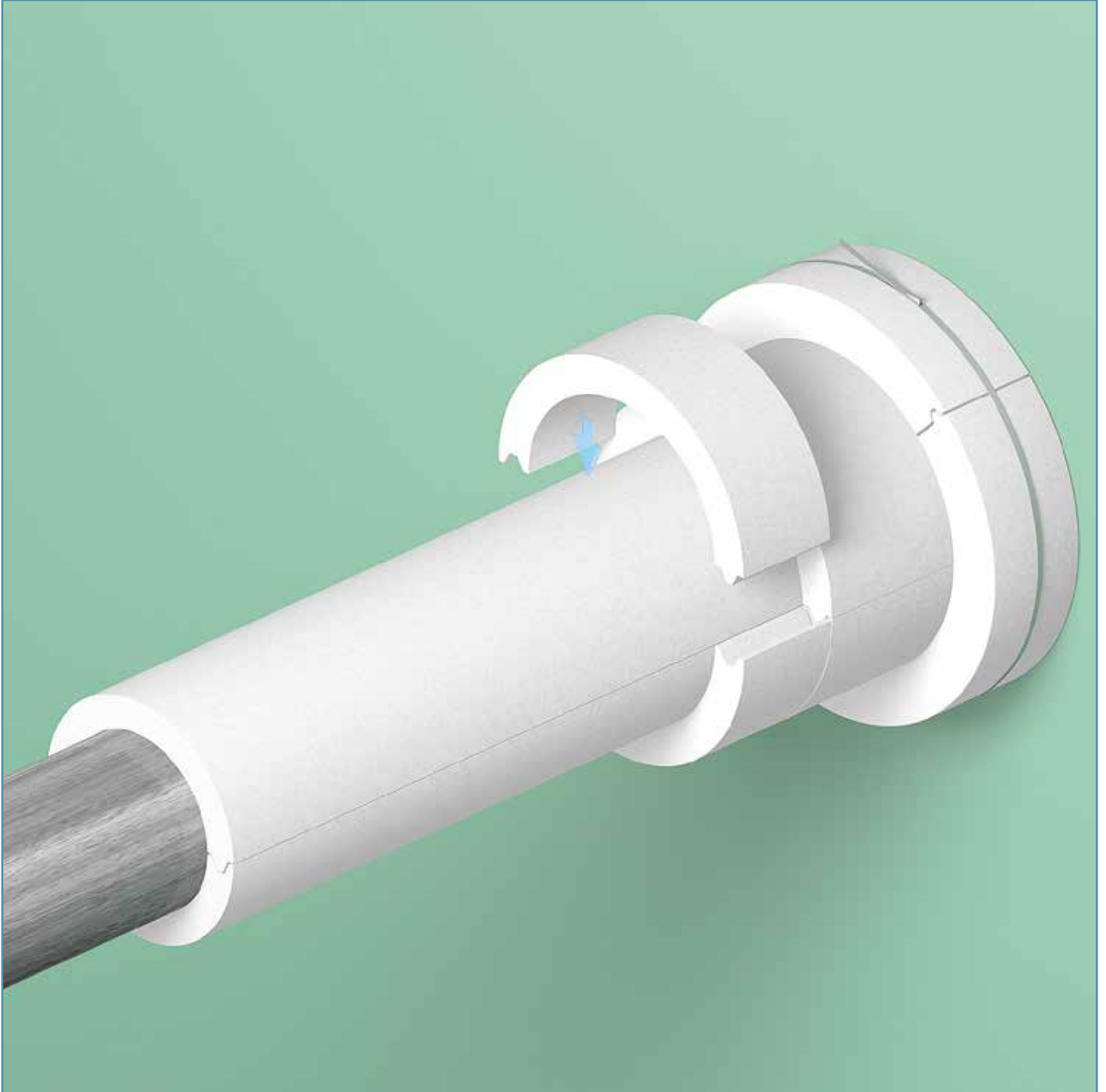
FYLLOFYS®/FISSIC® THERMAL INSULATION PRODUCTS

01) temperature cycling	-50 °C to + 100 °C - no changes
02) QUV weathering	96 hours + 336 hours exposure acc. to ISO 11507 method A - no changes with a 0.5 mm thick FISSIC® coating
03) seawater resistance	96 hours + 336 hours exposure acc. to ISO 9227 - with 0.5 mm thick coating - limited water absorption
04) mechanical stability	FYLLOFYS® with FISSIC® coating - 3 point bending test - improvement of Fmax (N) and DLbreak (%) with coating thickness 0.5 - 1.5 mm

IN-HOUSE TESTING NO. BBV_0042 - MARCH-MAY 2018

INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



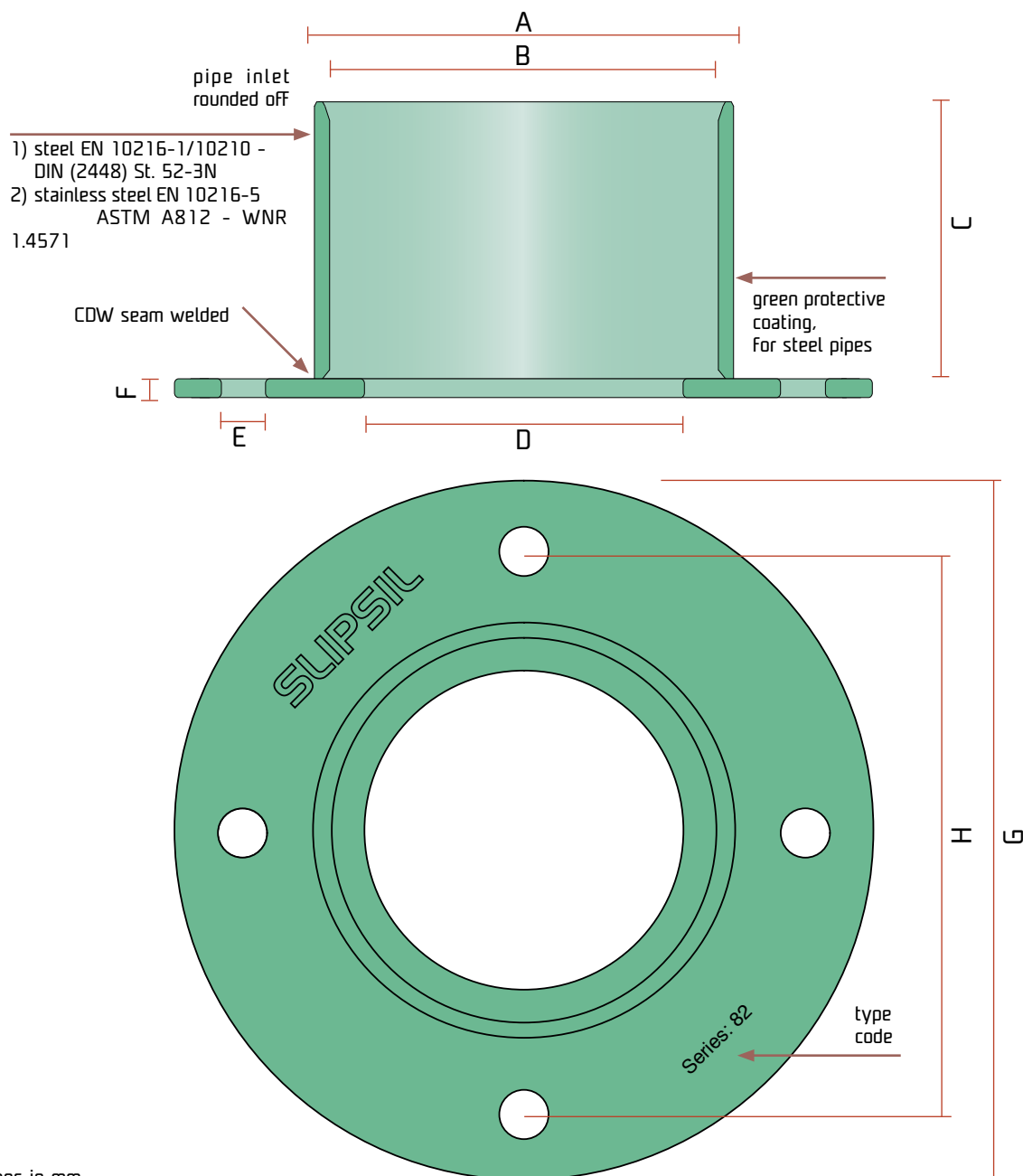
The FYLLOFYS® thermal insulation shells are coated with FISSIC® coating to prevent moisture or vapour absorption of the insulation and to improve overall mechanical strength. FISSIC® coating is also non-combustible (successfully SBI tested according to EN 13823:201 and ISO 1716:2010 for A-class rating - A2-s1-d0 (not significantly contributing to the fire load and fire growth, no smoke/flames, no droplets). Warrington Report 18250B.

FISSIC®: MED certificate 39278B0 EC issued by Bureau Veritas for low flame spread characteristics.
FYLLOFYS®: MED certificate 192130007/AA/00 issued by KIWA Netherlands.

INSTALLATION INSTRUCTIONS SLIPSIL® FLANGED CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



INSTALLATION INSTRUCTIONS SLIPSIL® FLANGED CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



All dimensions in mm

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® FLANGED CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



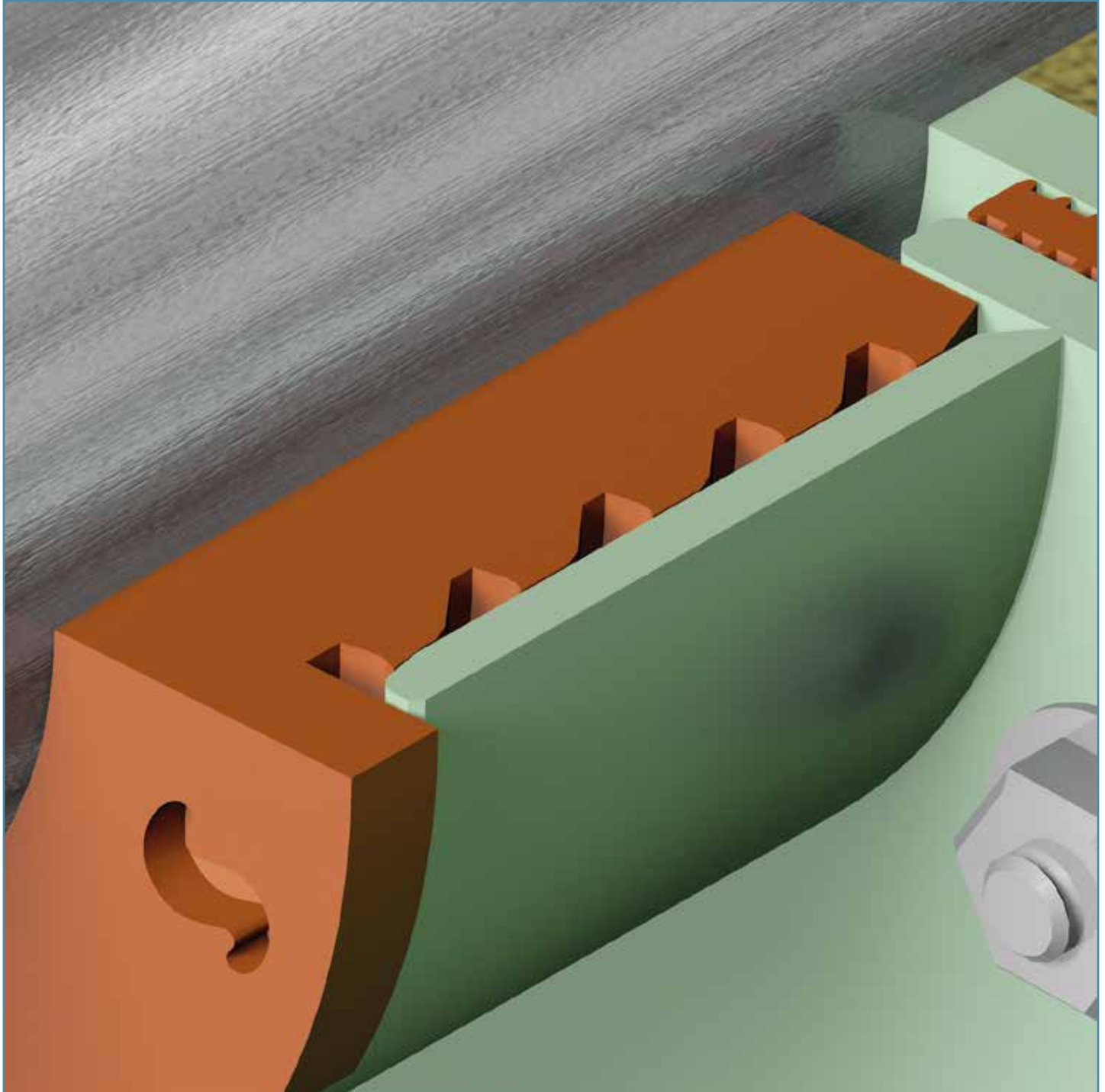
When SLIPSIL® Flanged conduit sleeves are going to be used, threaded ends have to be welded to the partition in accordance with the hole configuration of the flange of the conduit sleeve. A fitting NOFIRNO® gasket is placed over the threaded ends against the partition. The NOFIRNO® gaskets have a special profiling to exclude the need for excessive compression and the need for re tightening from time to time.

INSTALLATION INSTRUCTIONS SLIPSIL® FLANGED CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



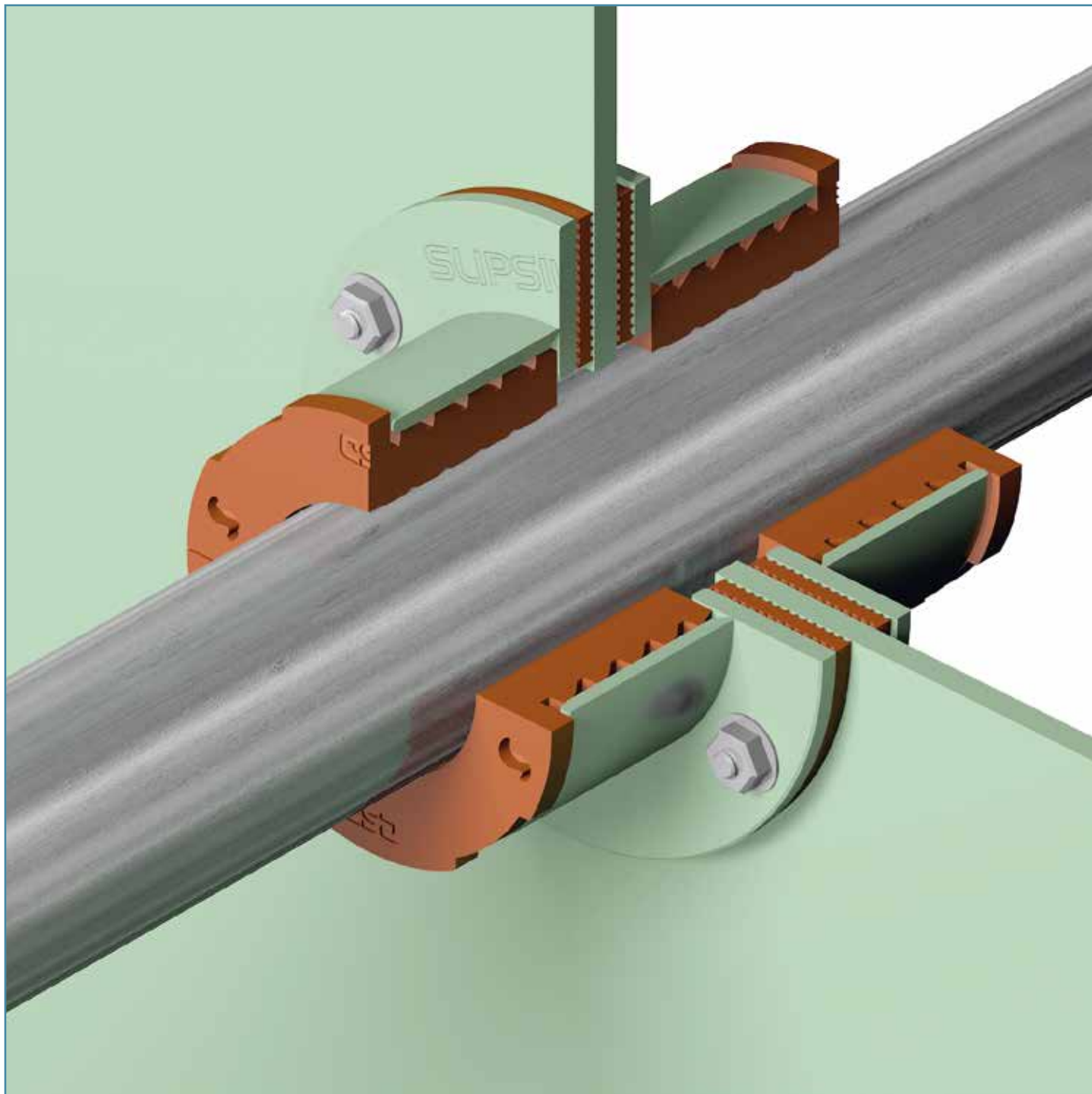
The SLIPSIL® Flanged conduit sleeve can then be positioned. Avoid excessive forces on tightening of the NOFIRNO® gasket to guarantee tightness on long term. Generally 6-10 Nm is sufficient. Once the SLIPSIL® flanged conduit sleeve is fixed against the partition, the pipe/cable can be passed through. The pipe has to be ducted straight and centrically. Before starting the installation procedure, any dirt or oil residues should be removed from the conduit sleeve. The installation procedure is similar as for SLIPSIL® plugs in conduit sleeves which are welded into the partitions.

INSTALLATION INSTRUCTIONS SLIPSIL® FLANGED CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



The flanged edge of the sealing plug 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.

INSTALLATION INSTRUCTIONS SLIPSIL® FLANGED CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



For A-class penetrations, only the flanged conduit sleeve at the insulated side of the bulkhead or at the lower side of the deck needs to be insulated. The ducted pipe has to be insulated according to the specifications on the certified drawings.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® MULTI-SEALING PLUGS



INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® MULTI-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.		
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				SLIPSIL® multi-sealing plugs for two up to five same diameter cables or pipes consist of two, three 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.		
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						
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				type code: series/2xcable diameter For instance 40/2x6-7		
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® MULTI-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			
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	60/3x6-7	40.1646	6-7	40/5x6-7	40.0941			
7-8	60/3x7-8	40.1647	7-8	40/5x7-8	40.0942			
8-9	60/3x8-9	40.1648	6-7	41/5x6-7	40.1041			
9-10	60/3x9-10	40.1649	7-8	41/5x7-8	40.1042			
10-11	60/3x10-11	40.1650	6-7	43/5x6-7	40.1141			
6-7	62/3x6-7	40.1746	7-8	43/5x7-8	40.1142			
7-8	62/3x7-8	40.1747	6-7	50/5x6-7	40.1251			
8-9	62/3x8-9	40.1748	7-8	50/5x7-8	40.1252			
9-10	62/3x9-10	40.1749	8-9	50/5x8-9	40.1253			
10-11	62/3x10-11	40.1750	6-7	53/5x6-7	40.1351			
6-7	68/3x6-7	40.1951	7-8	53/5x7-8	40.1352			
7-8	68/3x7-8	40.1952	8-9	53/5x8-9	40.1353			
8-9	68/3x8-9	40.1953	9-10	53/5x9-10	40.1354			
9-10	68/3x9-10	40.1954	10-11	53/5x10-11	40.1355			
10-11	68/3x10-11	40.1955	6-7	55/5x6-7	40.1451			
11-12	68/3x11-12	40.1956	7-8	55/5x7-8	40.1452			
12-13	68/3x12-13	40.1957	8-9	55/5x8-9	40.1453			
6-7	70/3x6-7	40.2051	9-10	55/5x9-10	40.1454			
7-8	70/3x7-8	40.2052	10-11	55/5x10-11	40.1455			
8-9	70/3x8-9	40.2053	6-7	68/5x6-7	40.1961			
9-10	70/3x9-10	40.2054	7-8	68/5x7-8	40.1962			
10-11	70/3x10-11	40.2055	8-9	68/5x8-9	40.1963			
11-12	70/3x11-12	40.2054	9-10	68/5x9-10	40.1964			
12-13	70/3x12-13	40.2055	10-11	68/5x10-11	40.1965			
10-11	78/3x10-11	40.2256	11-12	68/5x11-12	40.1966			
11-12	78/3x11-12	40.2257	12-13	68/5x12-13	40.1967			
12-13	78/3x12-13	40.2258	10-11	78/5x10-11	40.2266			
13-14	78/3x13-14	40.2259	11-12	78/5x11-12	40.2267			
14-15	78/3x14-15	40.2260	12-13	78/5x12-13	40.2268			
15-16	78/3x15-16	40.2261	13-14	78/5x13-14	40.2269			
10-11	80/3x10-11	40.2356	14-15	78/5x14-15	40.2270			
11-12	80/3x11-12	40.2357						
12-13	80/3x12-13	40.2358						
13-14	80/3x13-14	40.2359						

* 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.



type code: series/3xcable diameter
For instance 40/3x6-7



type code: series/5xcable diameter
For instance 40/5x6-7

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® 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.

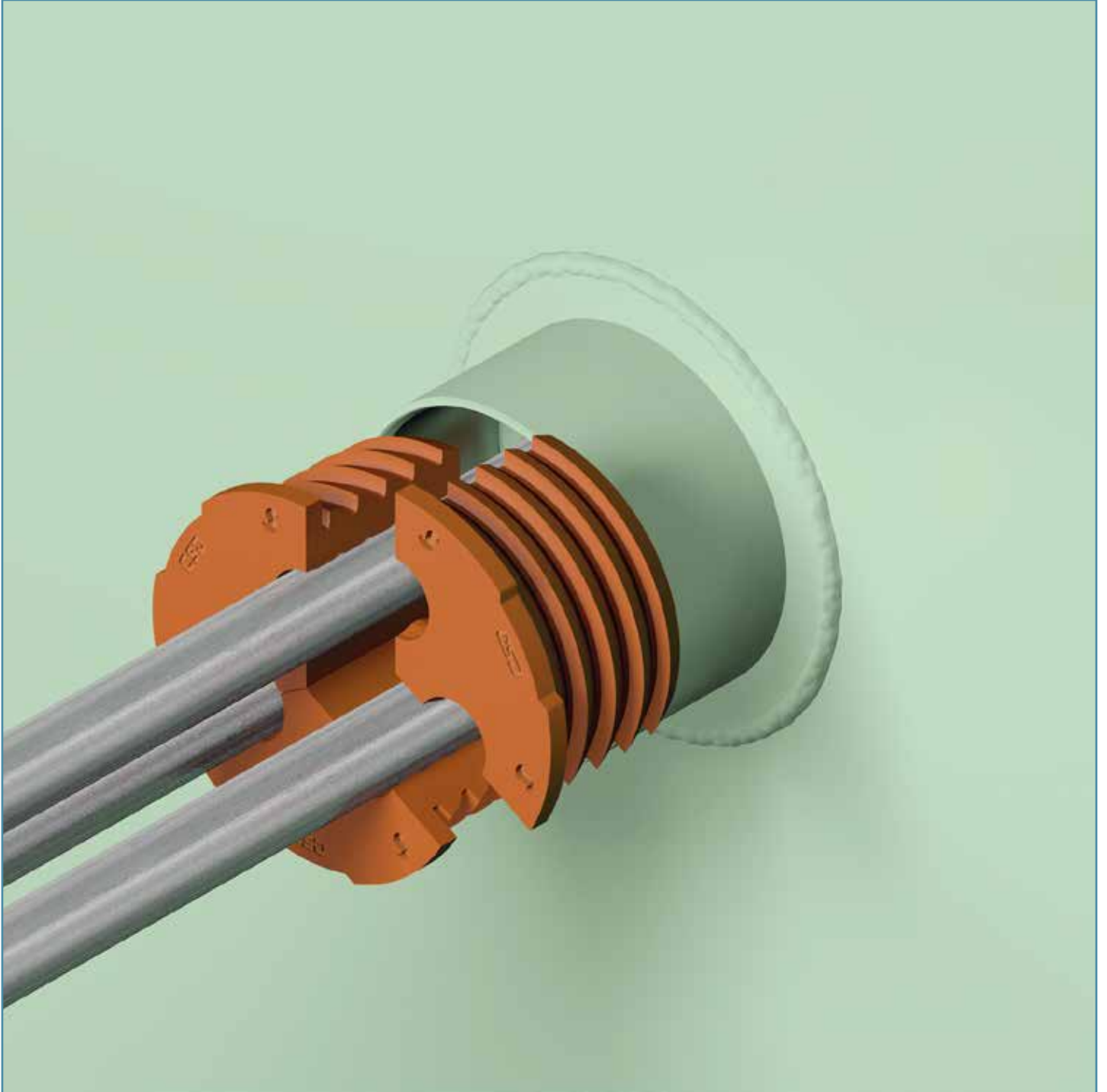
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® MULTI-SEALING PLUGS



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

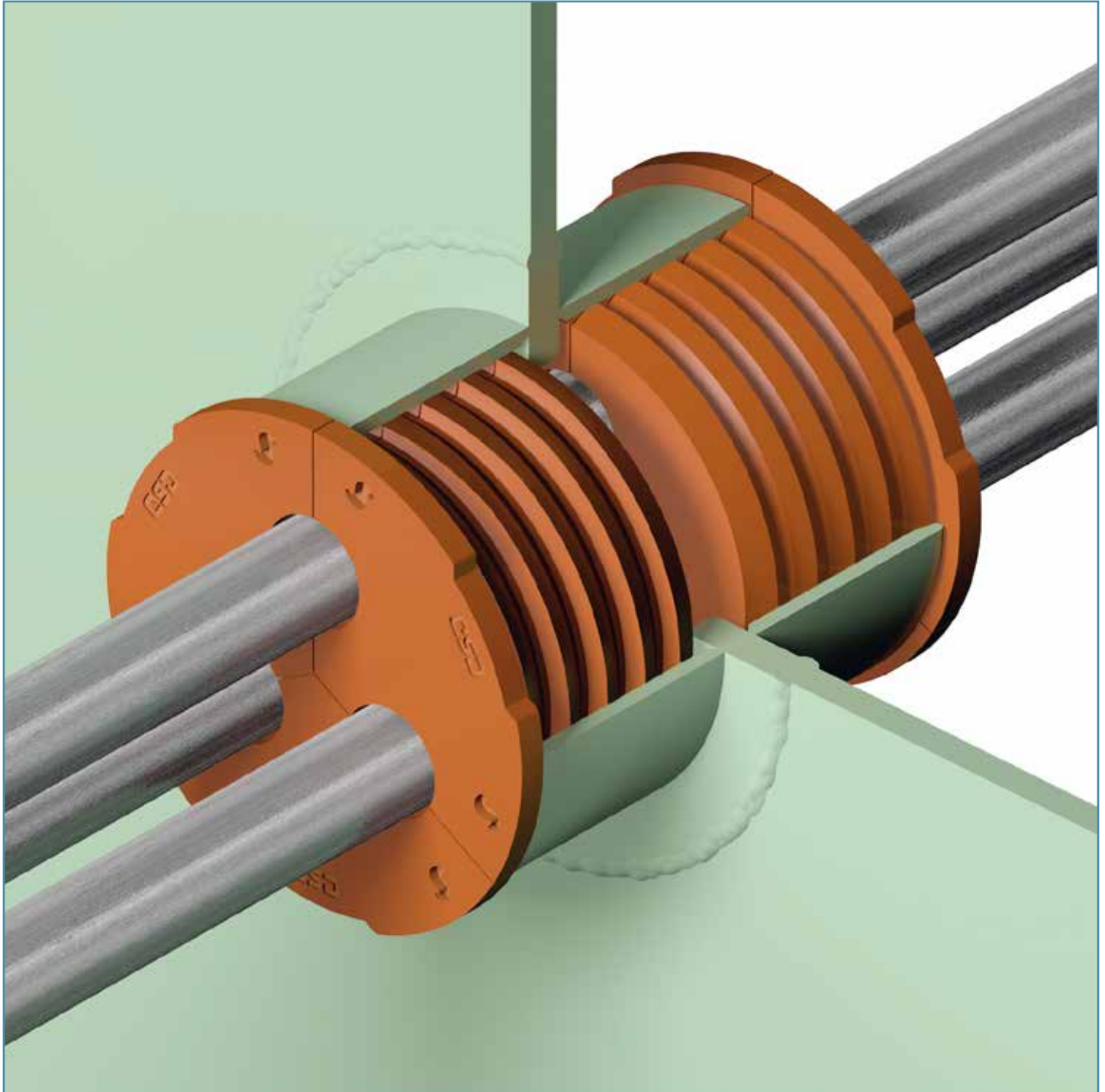
Note: before starting the installation procedure, any dirt, oil residues or welding spots should be removed from the conduit sleeve. Then the inside wall of the conduit sleeve is treated with CSD® lubricant. Please refer to the Safety Data Sheet of the CSD® lubricant for more information.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® 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.

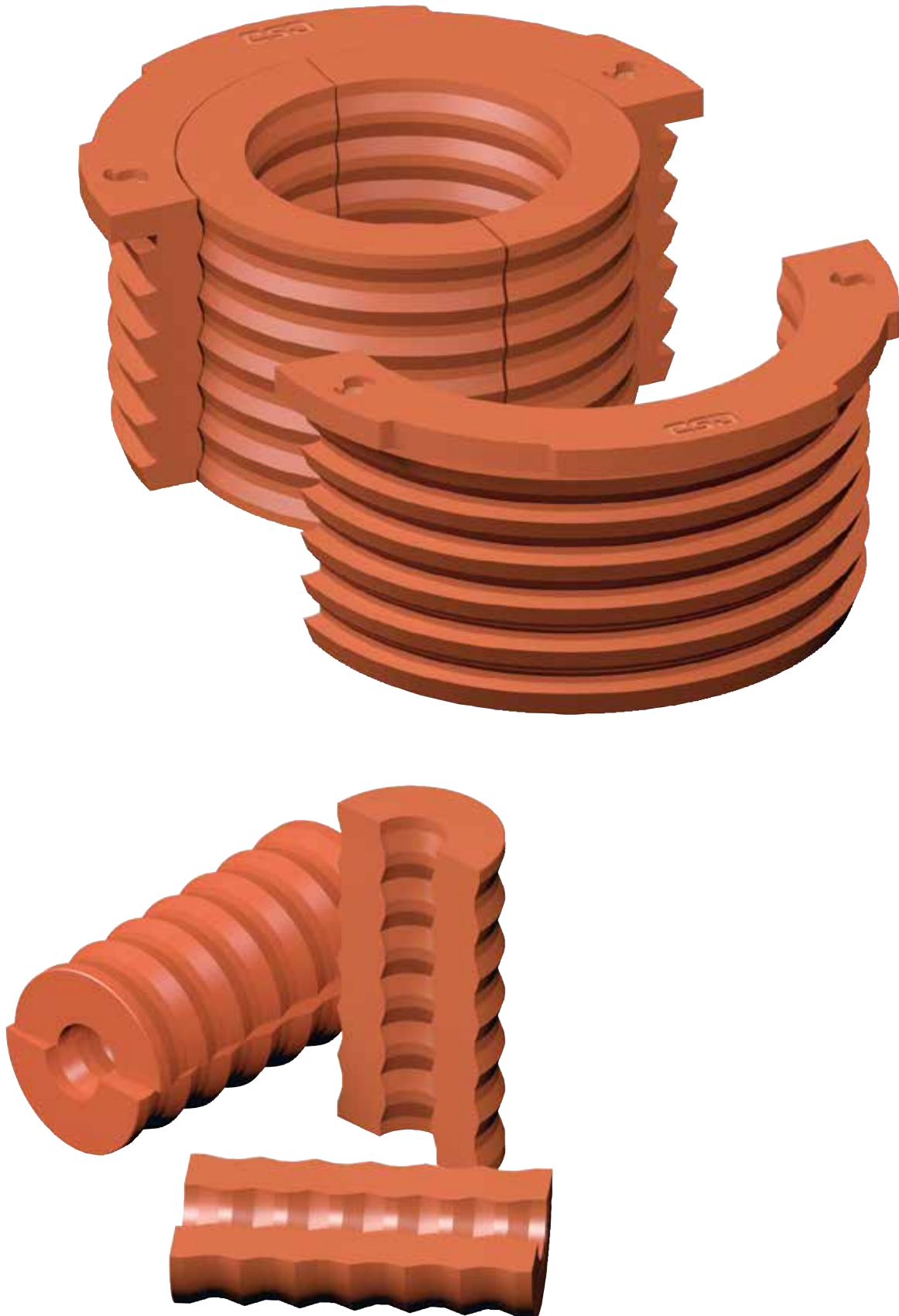
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® MULTI-SEALING PLUGS



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.

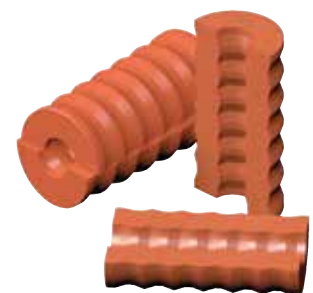
For A-class penetrations, the conduit sleeve needs to be insulated only at the insulated side of the bulkhead or at the lower side of the deck. The ducted pipe has to be insulated according to the specifications on the certified drawings.

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



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

cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug type	article number	cable/ pipe diameter	plug 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
20-21	50/20 AD	41.1220	51-52	80/51 AD	41.2351	73-74	125/73 AD	41.3673
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	41.3688
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			
33-34	60/33 AD	41.1633	58-59	100/58 AD	41.2858			
34-35	60/34 AD	41.1634	59-60	100/59 AD	41.2859			



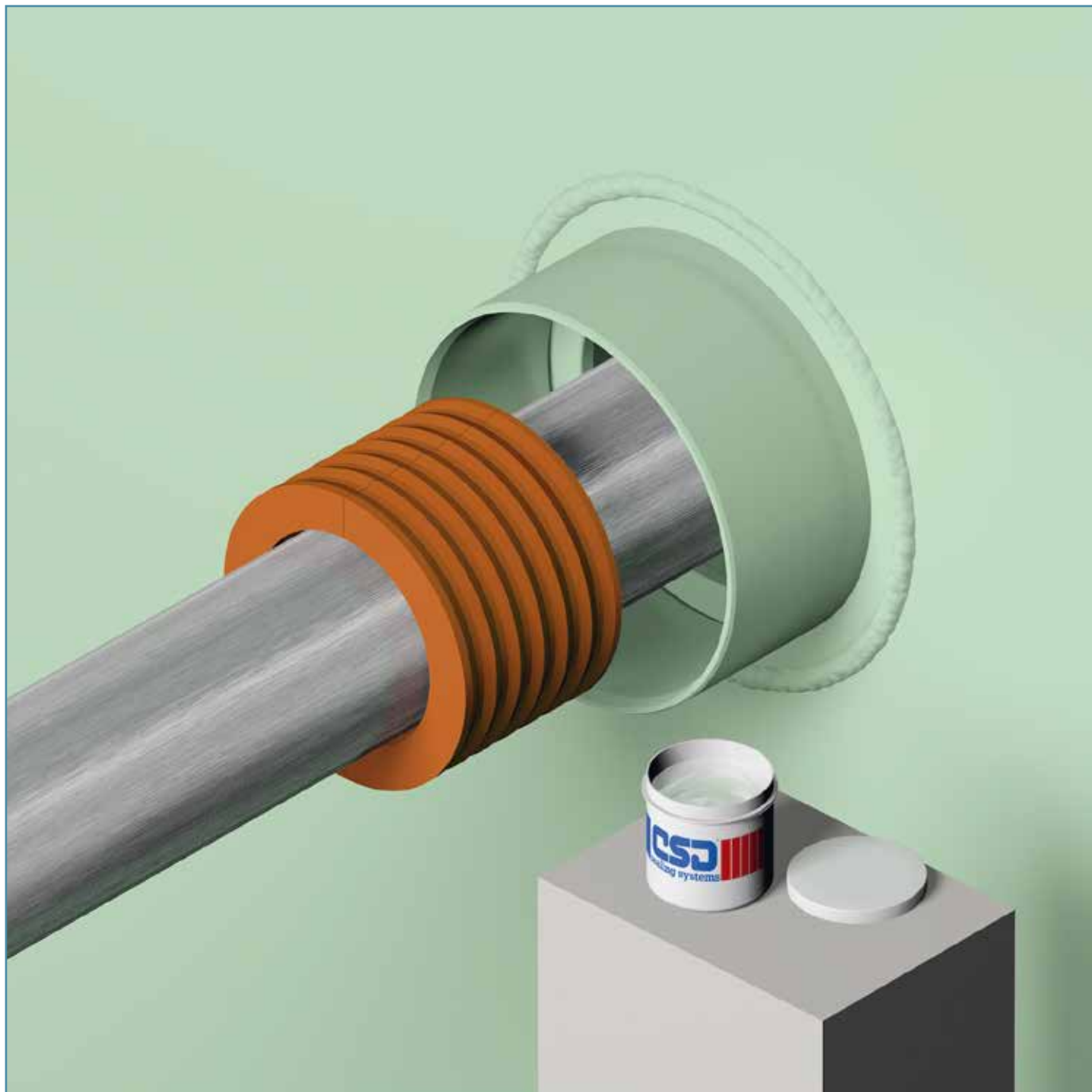
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING AND ADAPTER PLUGS



ARTICLE NUMBER 60.0900

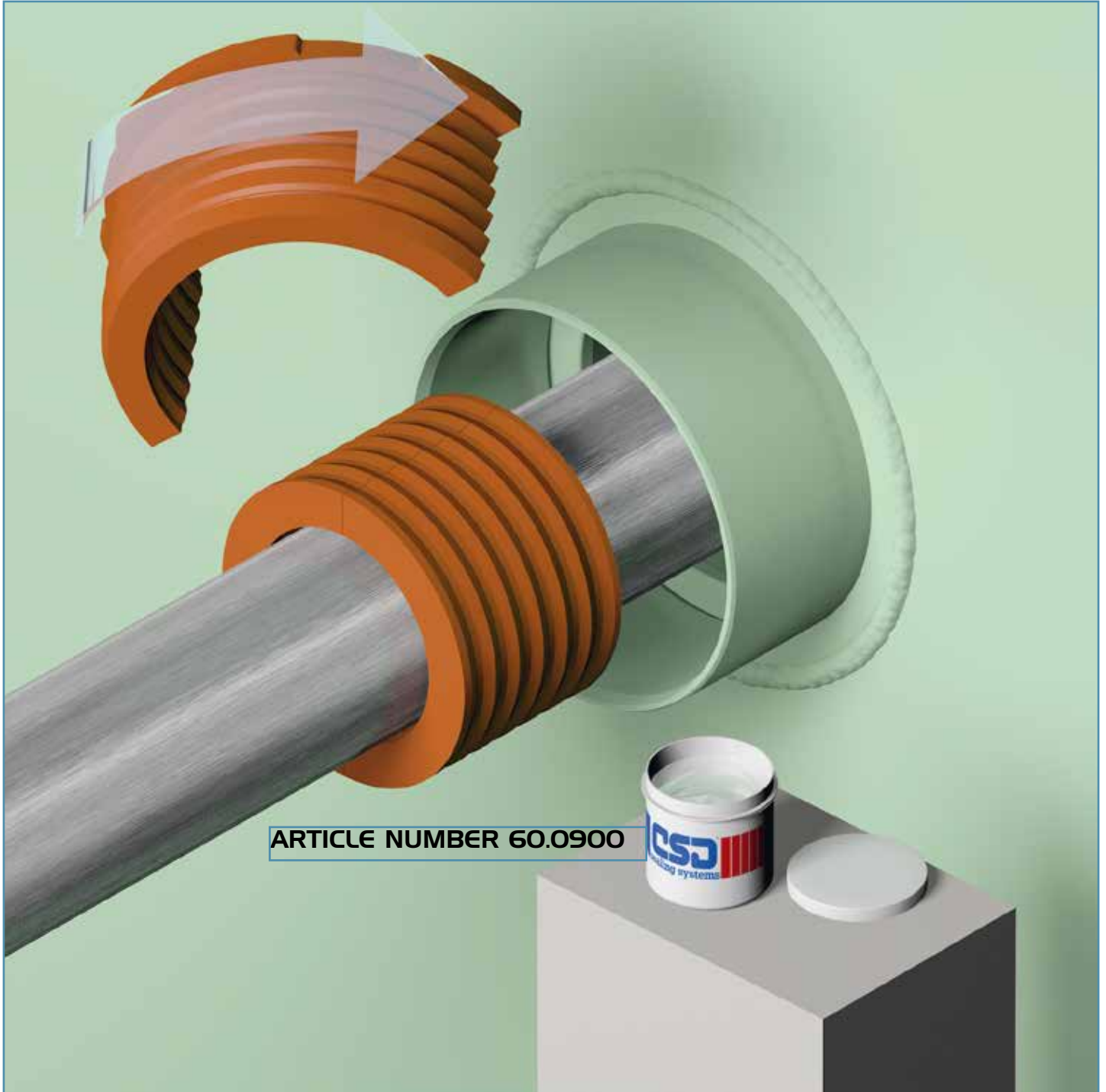
The SLIPSIL® adapter consists of two segments. The profile at the outside of the SLIPSIL® adapter is opposite the profile at the inside of the SLIPSIL® plugs. The SLIPSIL® adapter has no flange. Before starting the installation procedure, any dirt, oil residues or welding spots should be removed from 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 AND ADAPTER PLUGS



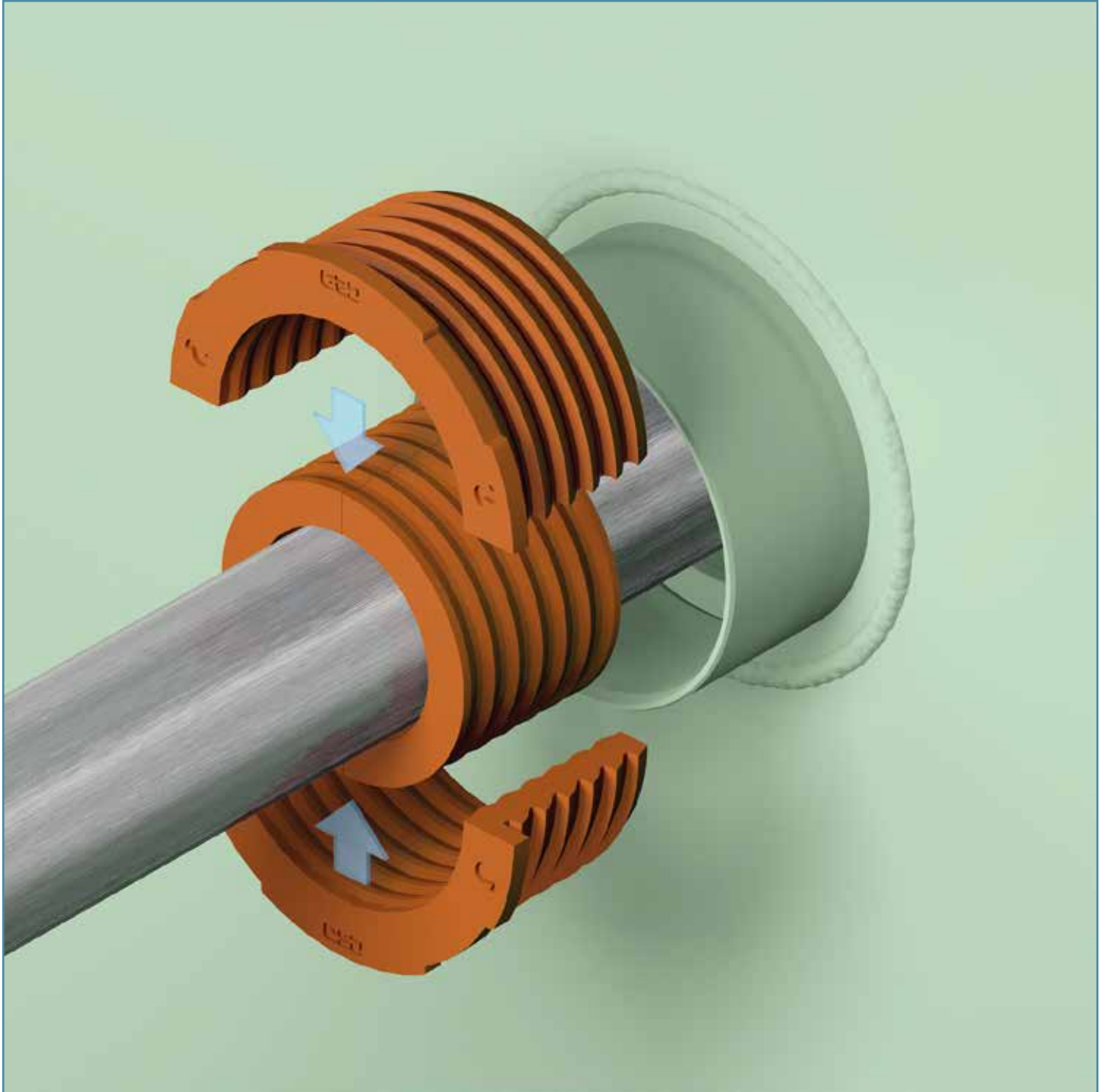
After lubricating the inside of the segments of the SLIPSIL® adapter, the set of SLIPSIL® sealing plug and SLIPSIL® adapter has to be assembled in front of the penetration.

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



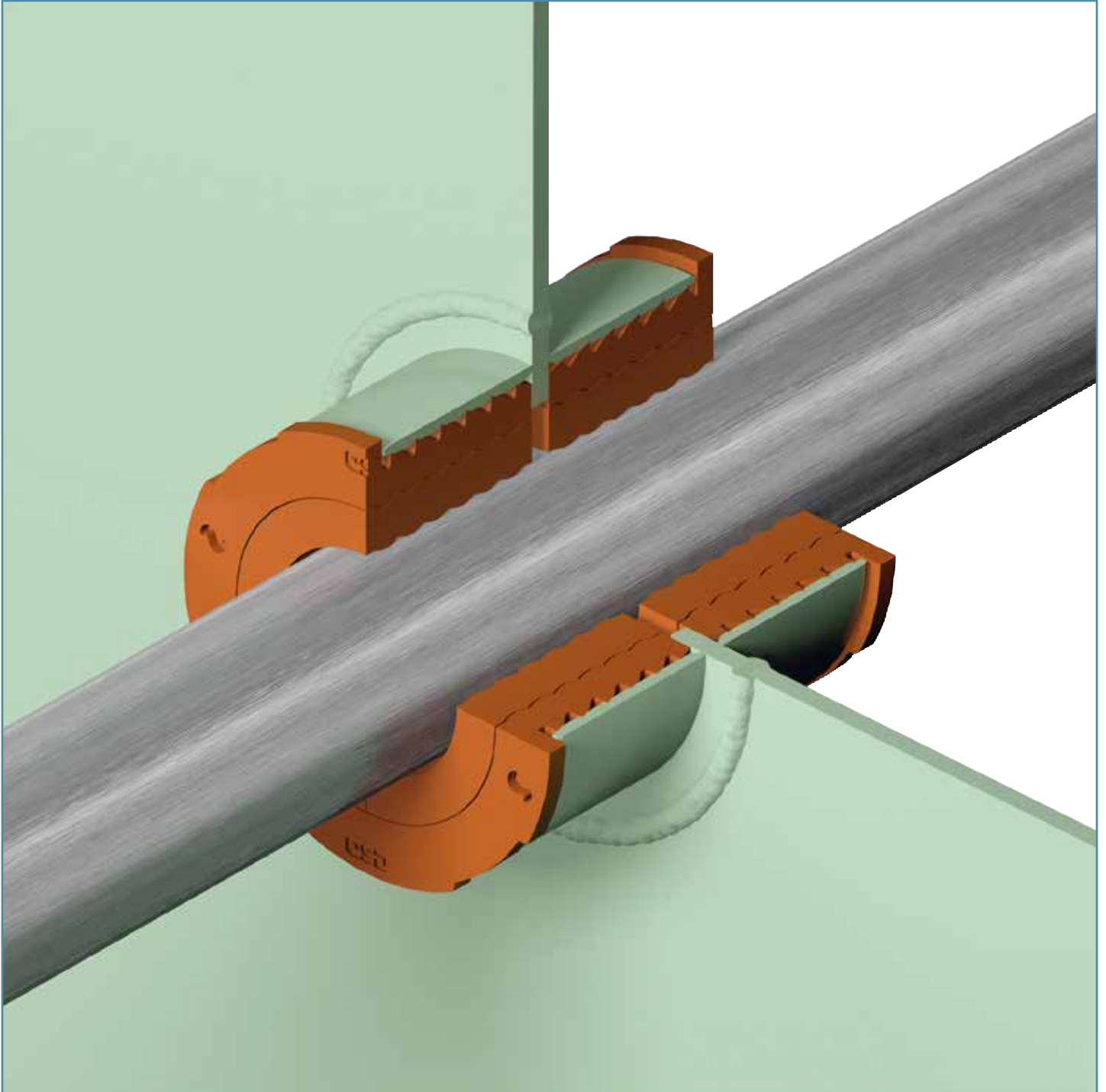
Only the outside surfaces of both segments of the SLIPSIL® sealing plug have to be treated with CSD® lubricant.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING AND 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.

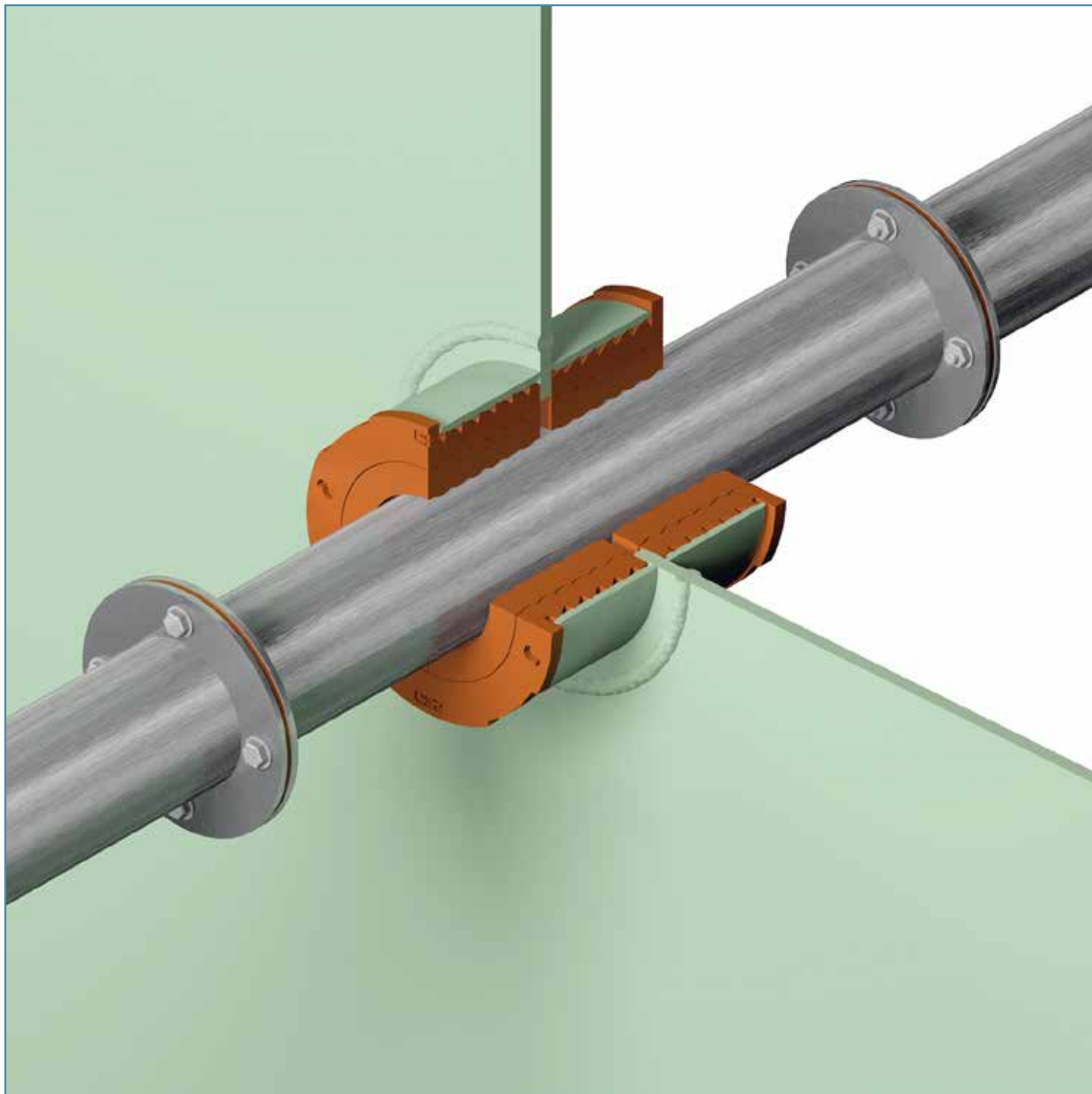
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING AND ADAPTER PLUGS



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.

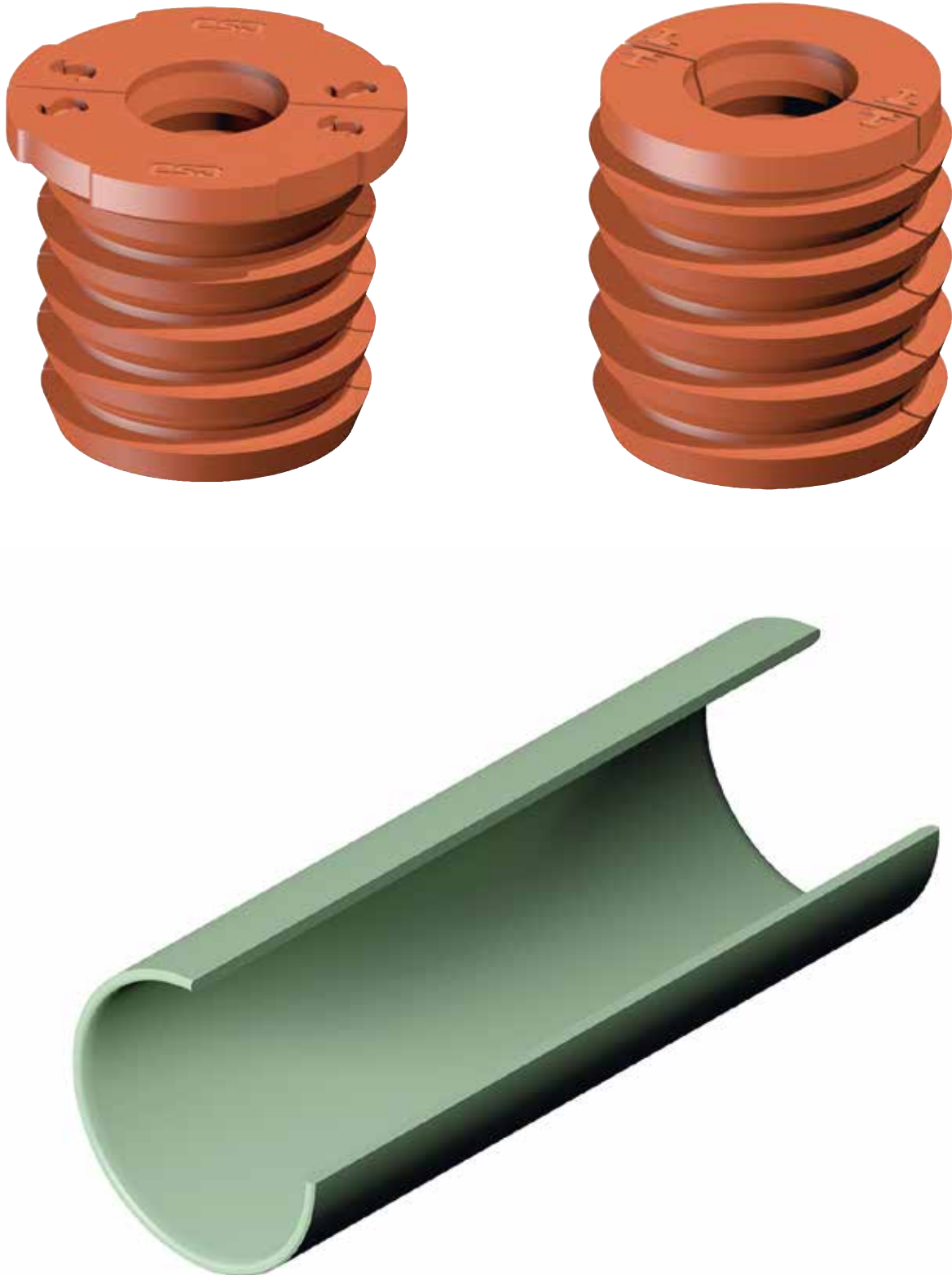
For A-class penetrations, the conduit sleeve needs to be insulated only at the insulated side of the bulkhead or at the lower side of the deck. The ducted pipe has to be insulated according to the specifications on the certified drawings.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING AND 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.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® SEALING PLUGS



INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® 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

marked series for application in the SLIPSIL® conduit sleeves

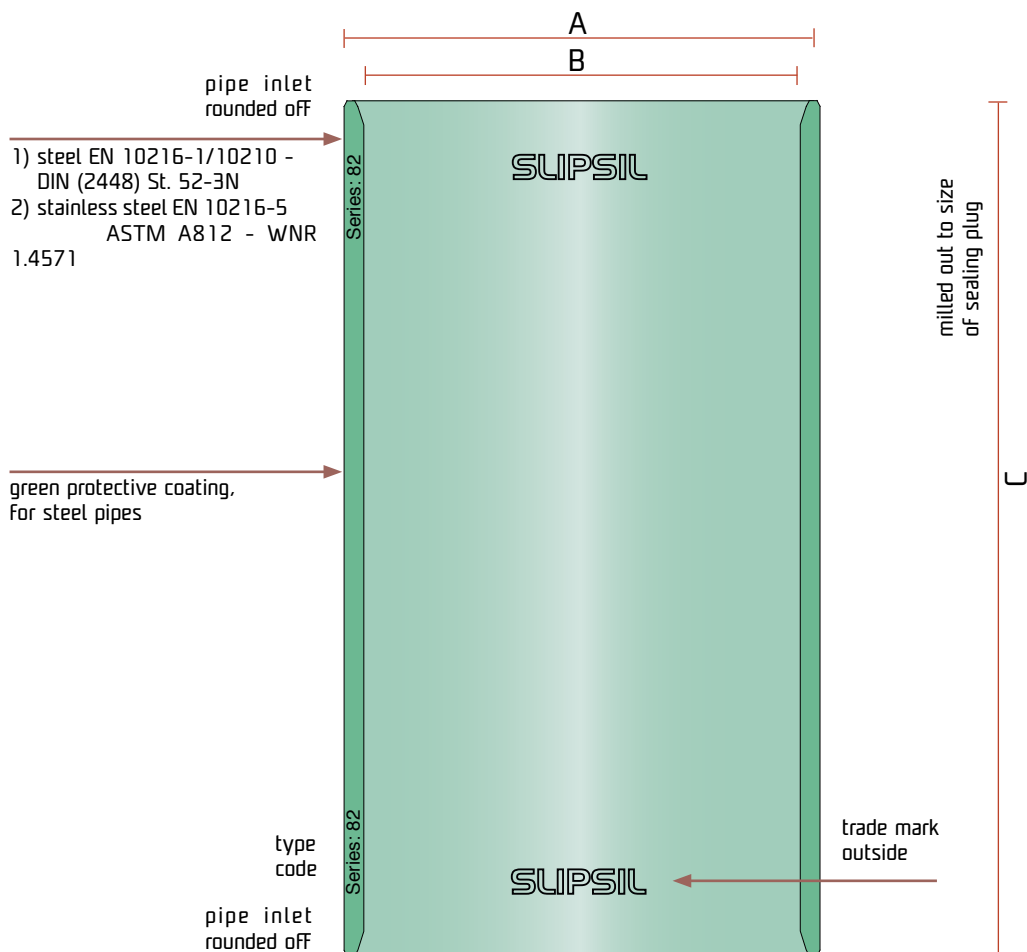
Note: article numbers are similar to the SLIPSIL® plugs
SLIPSIL® group number 40...xxx is for DYNATITE® 45...xxx

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).

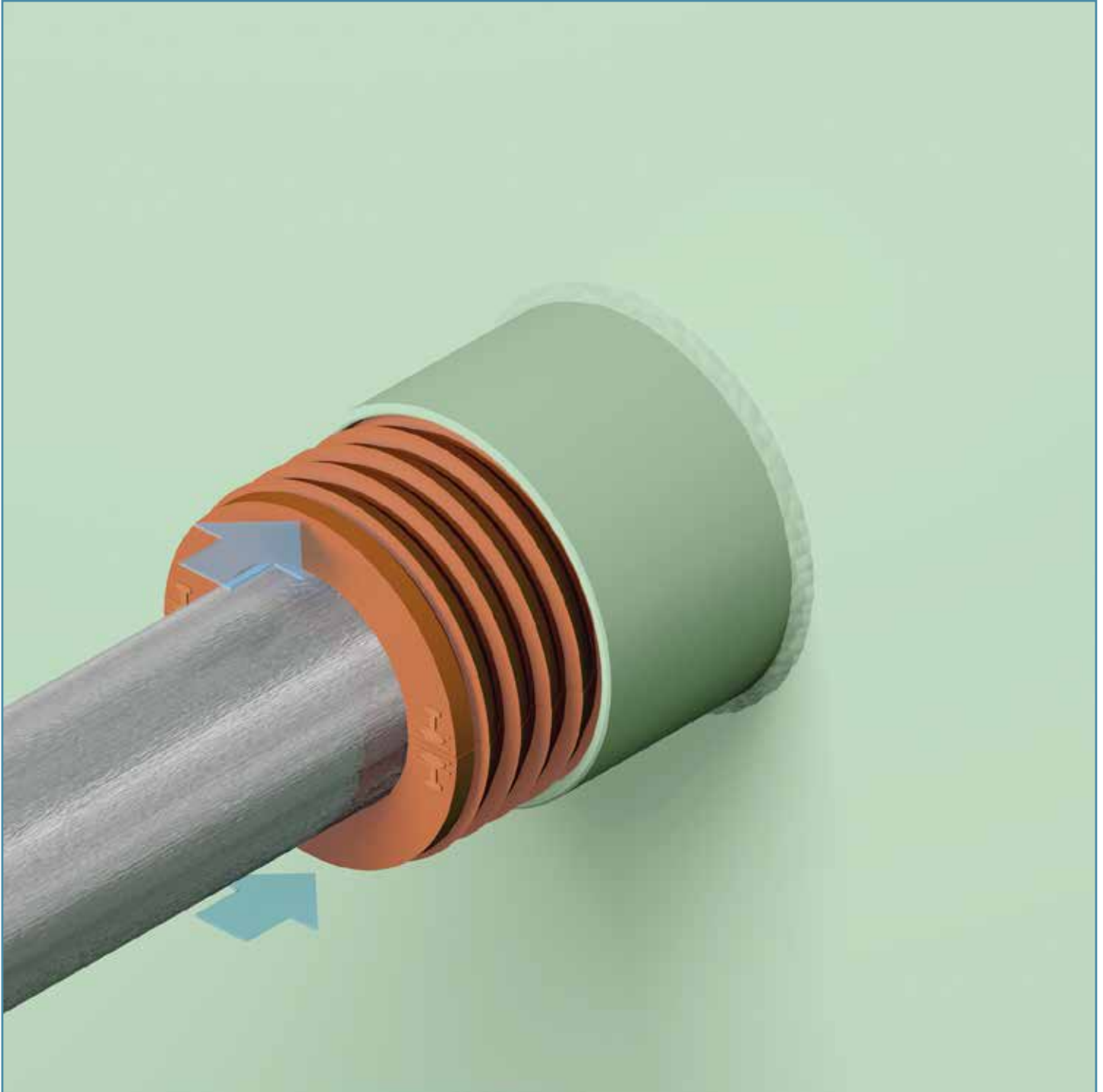
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® SEALING PLUGS



All dimensions in mm

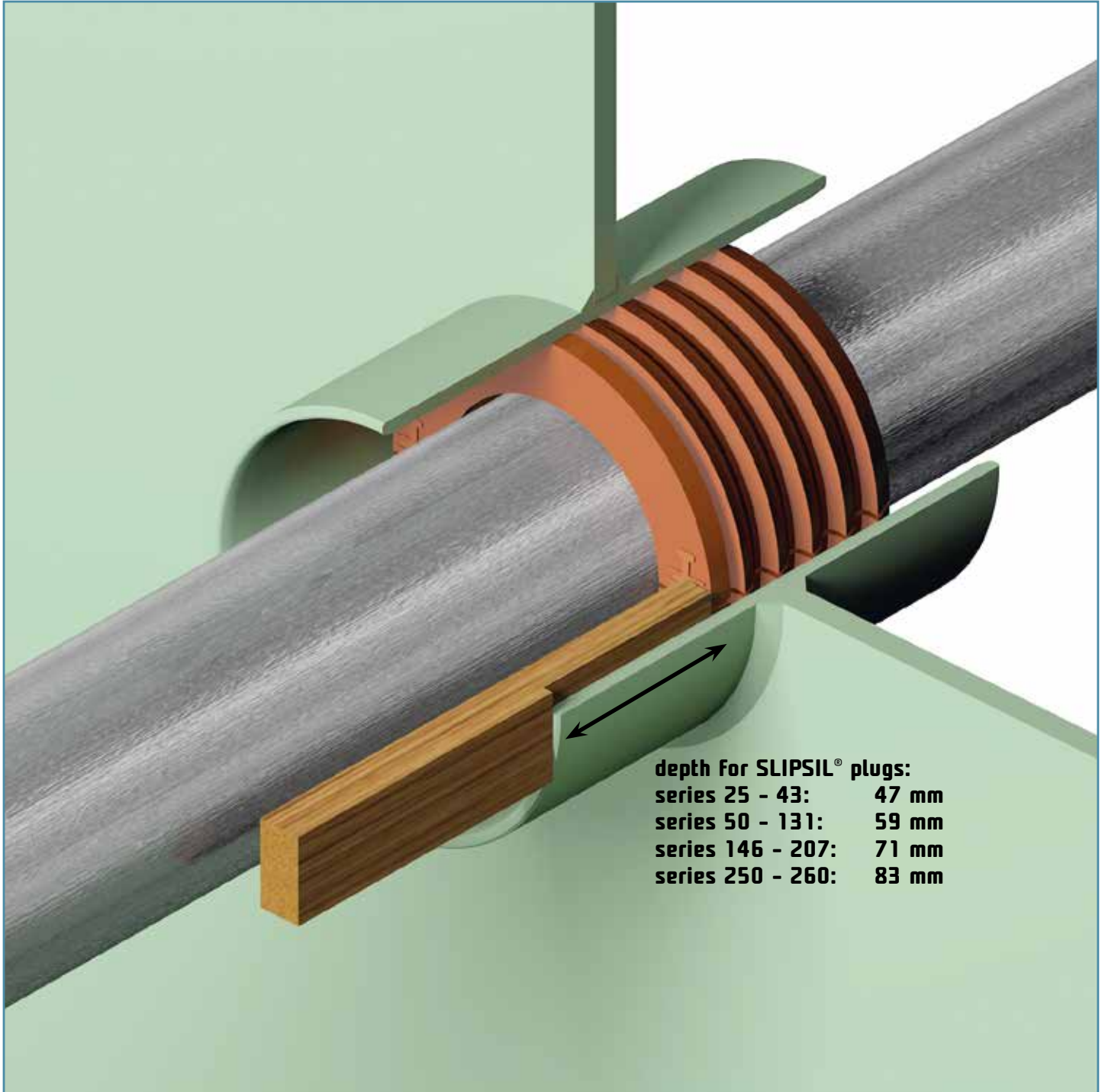
type	A	B	C	art. no. steel	art. no. stainless	C	art. no. steel	art. no. stainless	C	art. no. steel	art. no. stainless
SL 41 WS-cr	48.5	41	180	60.8101	60.8116	200	60.8131	60.8146	250	60.8161	60.8176
SL 55 WS-cr	62.5	55	180	60.8102	60.8117	200	60.8132	60.8147	250	60.8162	60.8177
SL 62 WS-cr	70	62	180	60.8103	60.8118	200	60.8133	60.8148	250	60.8163	60.8178
SL 70 WS-cr	78	70	180	60.8104	60.8119	200	60.8134	60.8149	250	60.8164	60.8179
SL 82 WS-cr	90	82	180	60.8105	60.8120	200	60.8135	60.8150	250	60.8165	60.8180
SL 100 WS-cr	108	100	180	60.8106	60.8121	200	60.8136	60.8151	250	60.8166	60.8181
SL 107 WS-cr	115	107	180	60.8107	60.8122	200	60.8137	60.8152	250	60.8167	60.8182
SL 131 WS-cr	140	131	180	60.8108	60.8123	200	60.8138	60.8153	250	60.8168	60.8183
SL 150 WS-cr	159	150	180	60.8109	60.8124	200	60.8139	60.8154	250	60.8169	60.8184
SL 207 WS-cr	220	207	180	60.8110	60.8125	200	60.8140	60.8155	250	60.8170	60.8185

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® SEALING PLUGS



To enable insertion of the sealing plugs from one side, the SLIPSIL®/DYNATITE® combination can be used. Before starting the installation procedure, any dirt, oil residues or welding spots should be removed from the conduit sleeve. Then the inside wall of the conduit sleeve is treated with CSD® lubricant. The inside and outside surfaces of both segments of the DYNATITE® sealing plug are then treated with CSD® lubricant. Both halves are then pushed by hand evenly, serration by serration, further into the conduit sleeve.

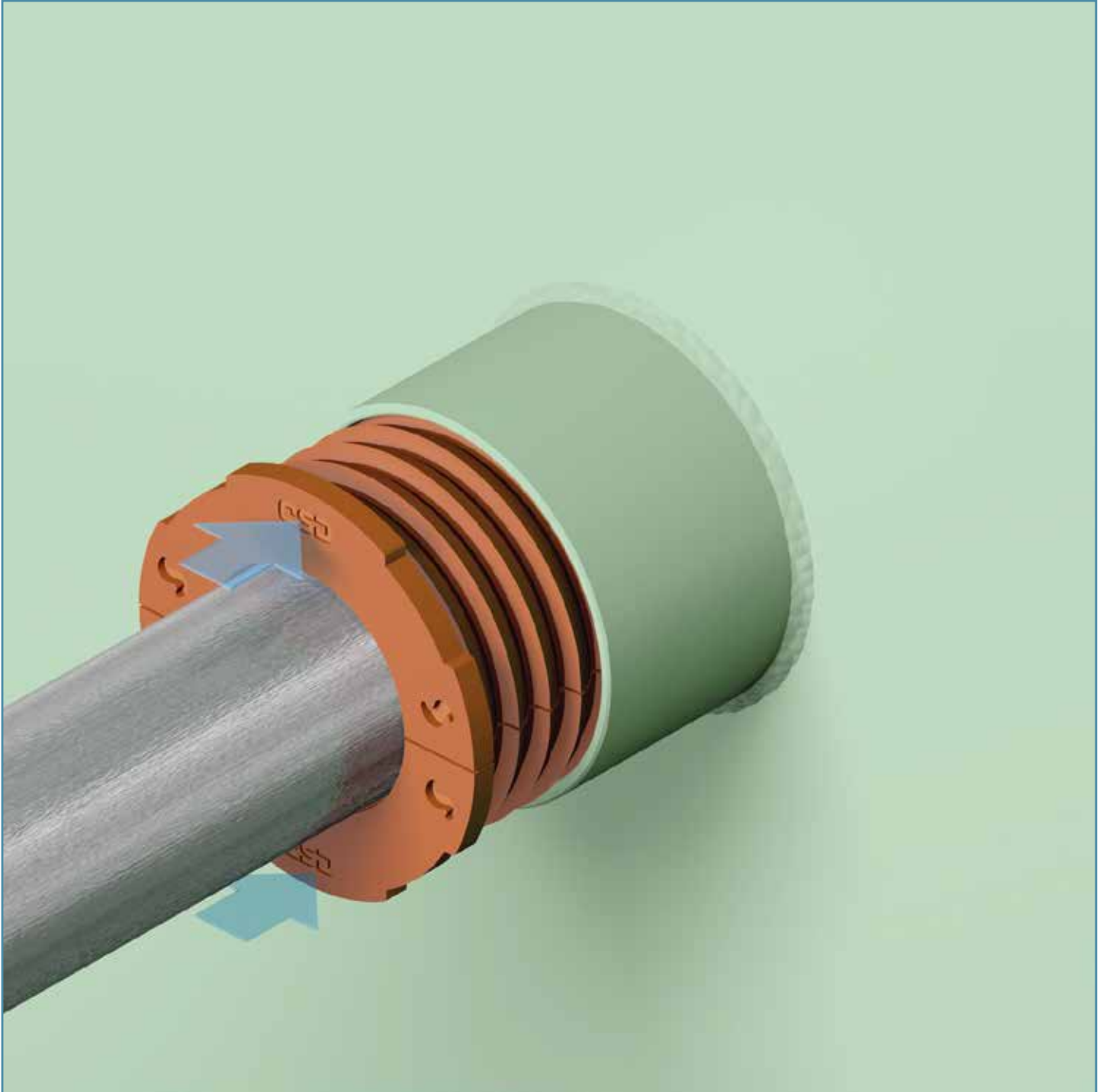
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® SEALING PLUGS



The DYNATITE® plug should be inserted into the conduit sleeve over a length which corresponds to the length of the SLIPSIL® sealing plug. With the Beele® adjuster or a marked piece of wood, the depth of the insertion of the DYNATITE® plug should be checked.

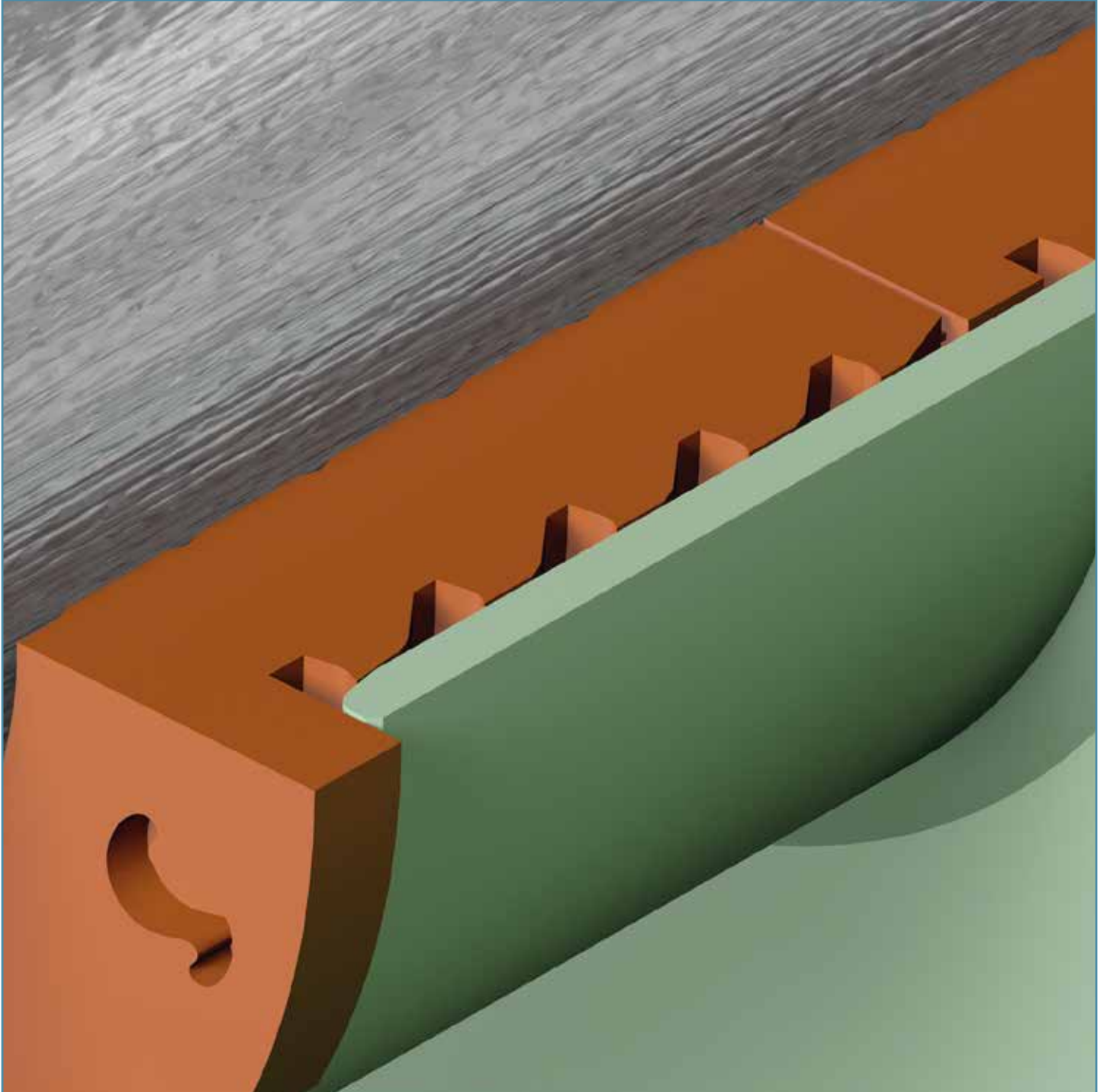
Note: it will be impossible to correct the depth with the insertion of the SLIPSIL® sealing plug.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® SEALING PLUGS



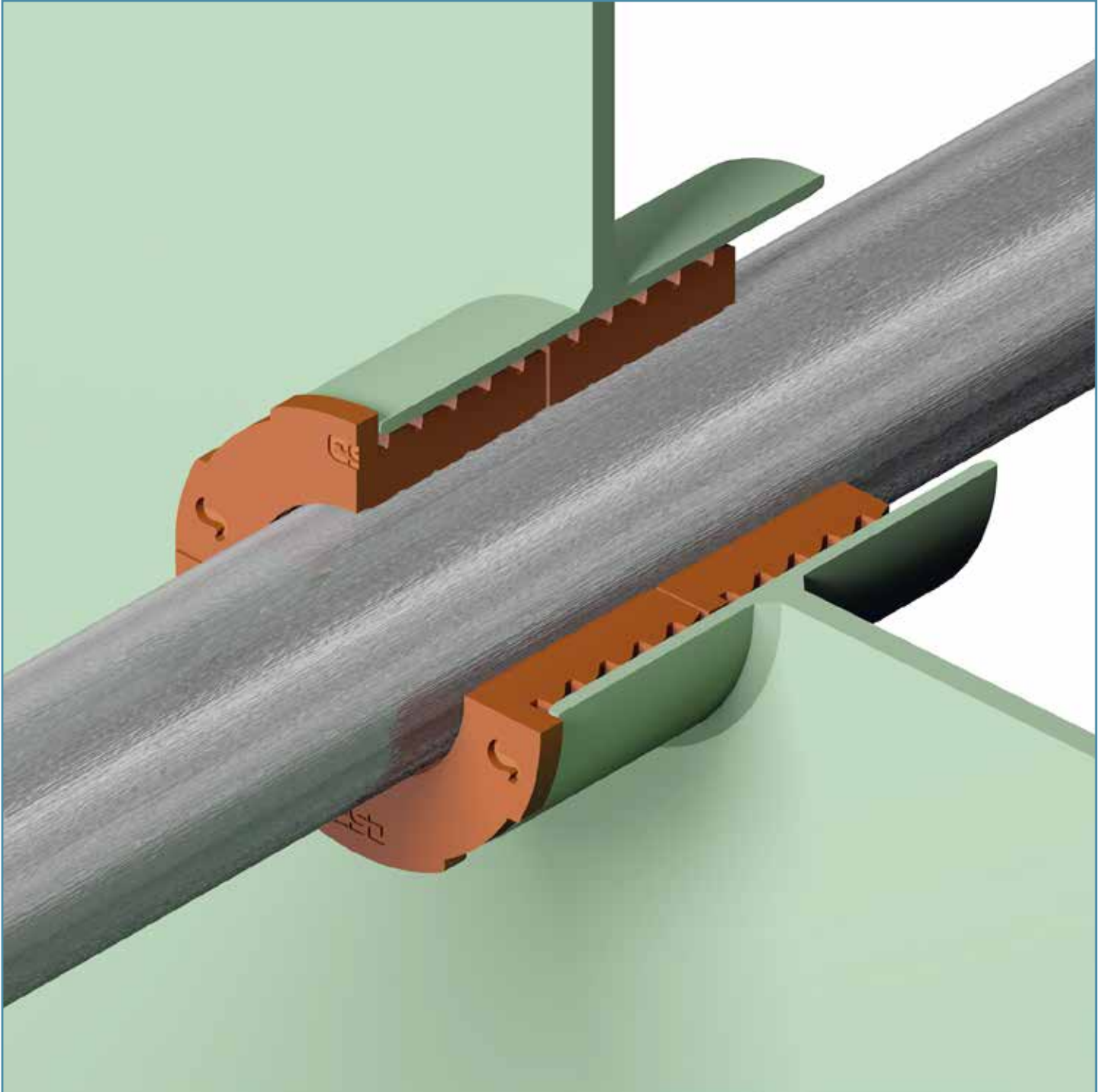
Before installation of the sealing plugs, the segments of the SLIPSIL® sealing plug are treated with CSD® lubricant on the inside and outside. Both segments of the SLIPSIL® sealing plug are placed around the ducted pipe and then pushed by hand evenly, serration by serration, into the conduit sleeve. 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® AND DYNATITE® SEALING PLUGS



The flanged edge of the sealing plug must be flush against the front side of the conduit sleeve. For the application to install the sealing system from one side, conduit sleeves with a shoulder cannot be used. A proper position of the DYNATITE® plug inside the conduit sleeve will prevent the SLIPSIL® plug from being inserted too deep.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® AND DYNATITE® SEALING PLUGS

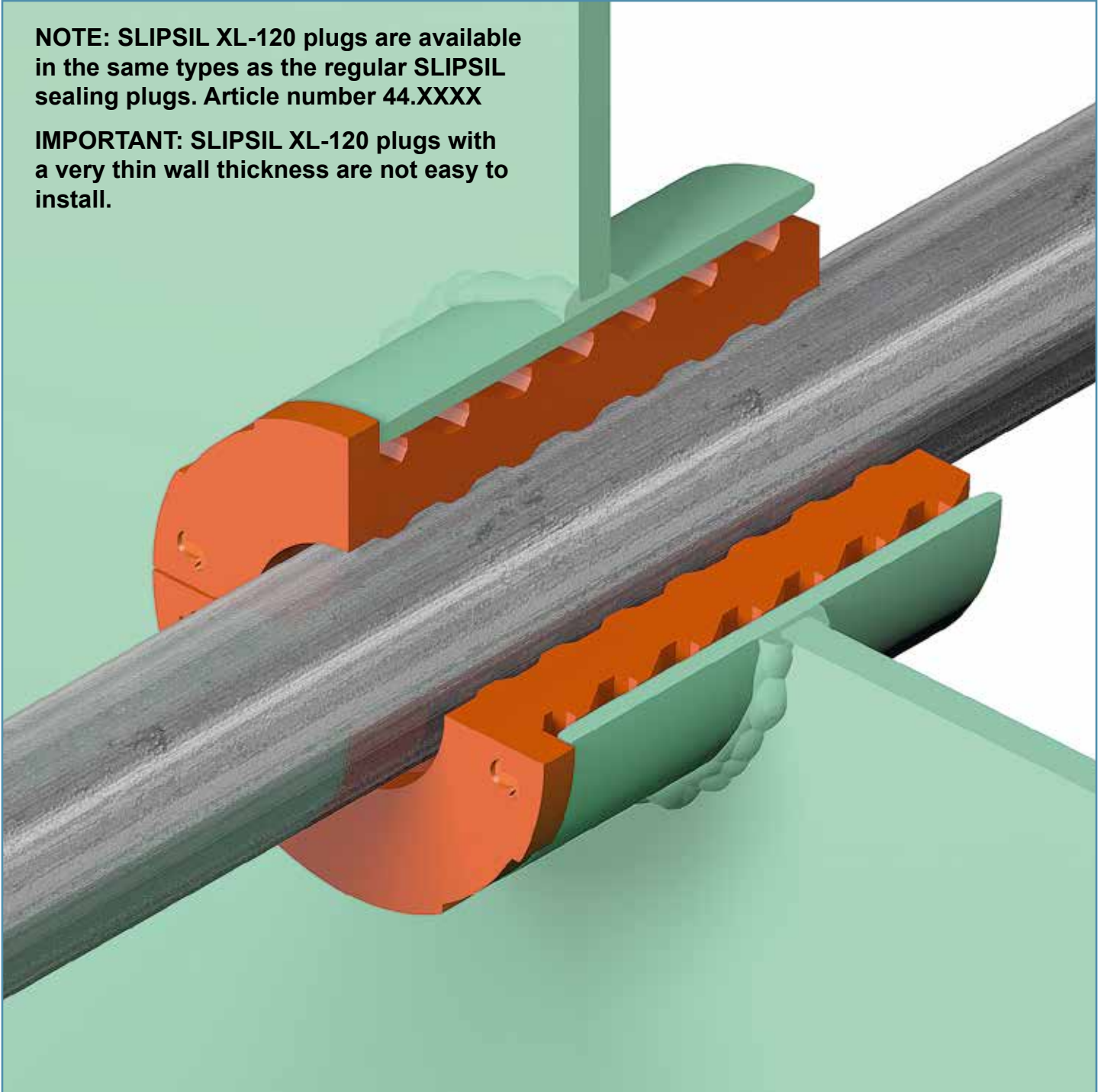


For A-class penetrations, the conduit sleeve needs to be insulated only at the insulated side of the bulkhead or at the lower side of the deck. The ducted pipe has to be insulated according to the specifications on the certified drawings.

ALTERNATIVE FOR SLIPSIL® AND DYNATITE® SEALING PLUGS IS A SINGLE SLIPSIL® XL-120 SEALING PLUG

NOTE: SLIPSIL XL-120 plugs are available in the same types as the regular SLIPSIL sealing plugs. Article number 44.XXXX

IMPORTANT: SLIPSIL XL-120 plugs with a very thin wall thickness are not easy to install.



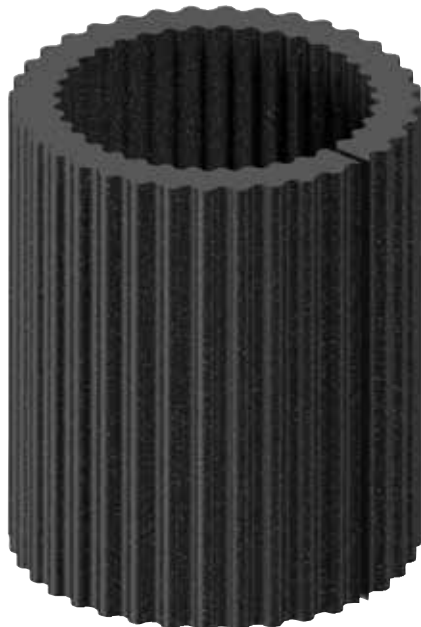
The finished sealing system. The conduit sleeves are delivered matching the length of the SLIPSIL® XL-120 sealing plugs. The plugs can also be inserted in fitting conduit sleeves with a longer length. For A-class penetrations the bulkhead and the conduit sleeve need to be insulated on the unexposed side with approved A-60 class insulation; for decks on the exposed side. MED certificate 182130001AA02 issued by KIWA Netherlands.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®

CRUSHER® type C-FIT



plastic pipe OD	crusher® type	conduit opening	crusher® length	article number
16	32/16	32	140	80.6021
16	41/16	41	140	80.6141
18	41/18	41	140	80.6151
20	41/20	41	140	80.6161
25	41/25	41	140	80.6171
25	54/25	55	140	80.6251
32	54/32	55	140	80.6261
32	62/32	62	140	80.6301
40	62/40	62	140	80.6311
40	70/40	70	140	80.6321
50	70/50	70	140	80.6331
50	82/50	82	140	80.6381
63	100/63	100	140	80.6411
63	107/63	107	140	80.6471
75	100/75	100	140	80.6421
75	107/75	107	140	80.6481
90	131/90	131	140	80.6521
110	150/110	150	140	80.6531
110	160/110	160	140	80.6591
125	150/125	150	140	80.6541
125	160/125	160	140	80.6601
140	207/140	207	160	80.6630
160	207/160	207	160	80.6635

all dimensions in mm

series for application in the SLIPSIL® conduit sleeves

Note: the larger CRUSHER® types have to be cut to length to allow fitting in between the SLIPSIL® plugs

SLIPSIL® sealing plug

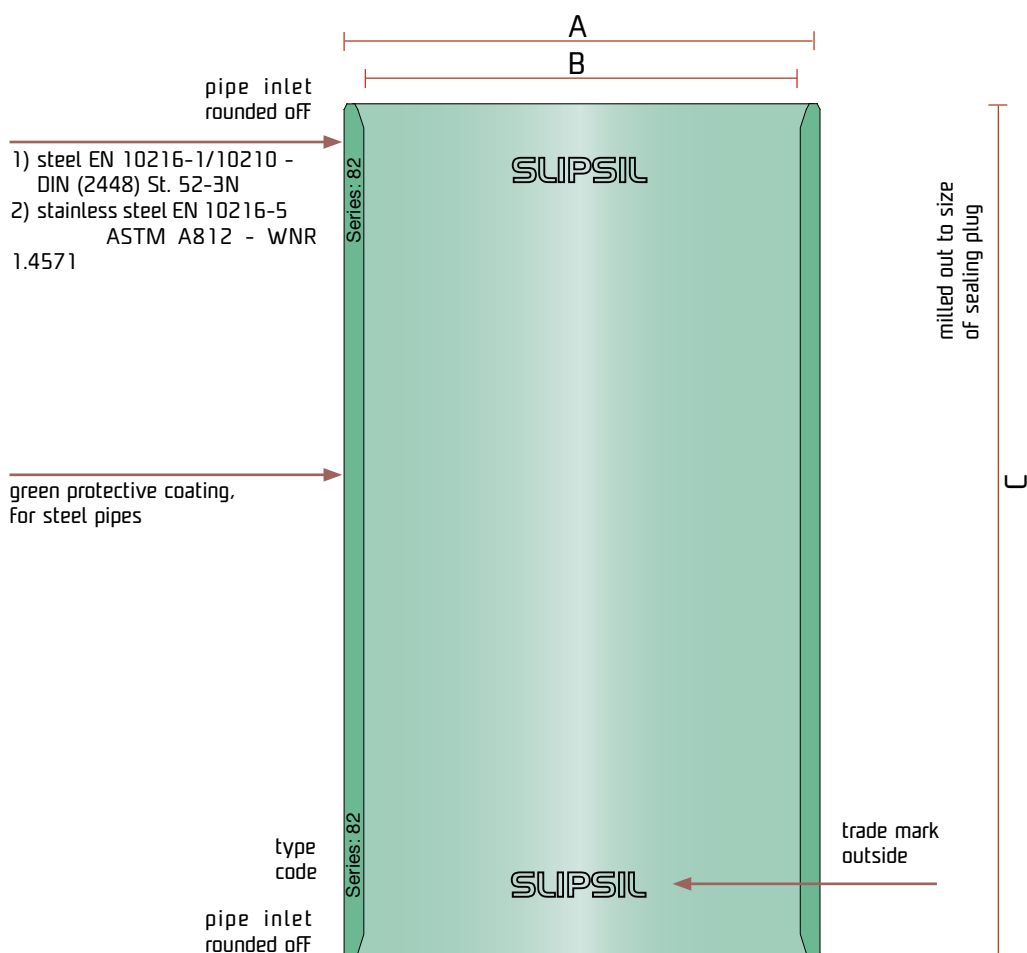


plastic pipe OD	plug® type	conduit opening	crusher® length	article number
16	32/16	32	140	40.0516
16	41/16-18	41	140	40.1014
18	41/18-20	41	140	40.1015
20	41/20-22	41	140	40.1016
25	41/25	41	140	40.1020
25	55/24-26	55	140	40.1416
32	55/32-33	55	140	40.1421
32	62/32-34	62	140	40.1720
40	62/40	62	140	40.1726
40	70/40-42	70	140	40.2024
50	70/50	70	140	40.2029
50	82/50-52	82	140	40.2429
63	100/62-64	100	140	40.2831
63	107/62-64	107	140	40.3231
75	100/75	100	140	40.2838
75	107/75-76	107	140	40.3238
90	131/90-92	131	140	40.3845
110	150/110-112	150	140	40.4031
110	160/110-112	160	140	40.4431
125	150/125	150	140	40.4039
125	160/125	160	140	40.4439
140	207/139	207	160	40.4833
160	207/159	207	160	40.4843

series for application in the SLIPSIL® conduit sleeves

Note: the larger CRUSHER® types have to be cut to length to allow fitting in between the SLIPSIL® plugs

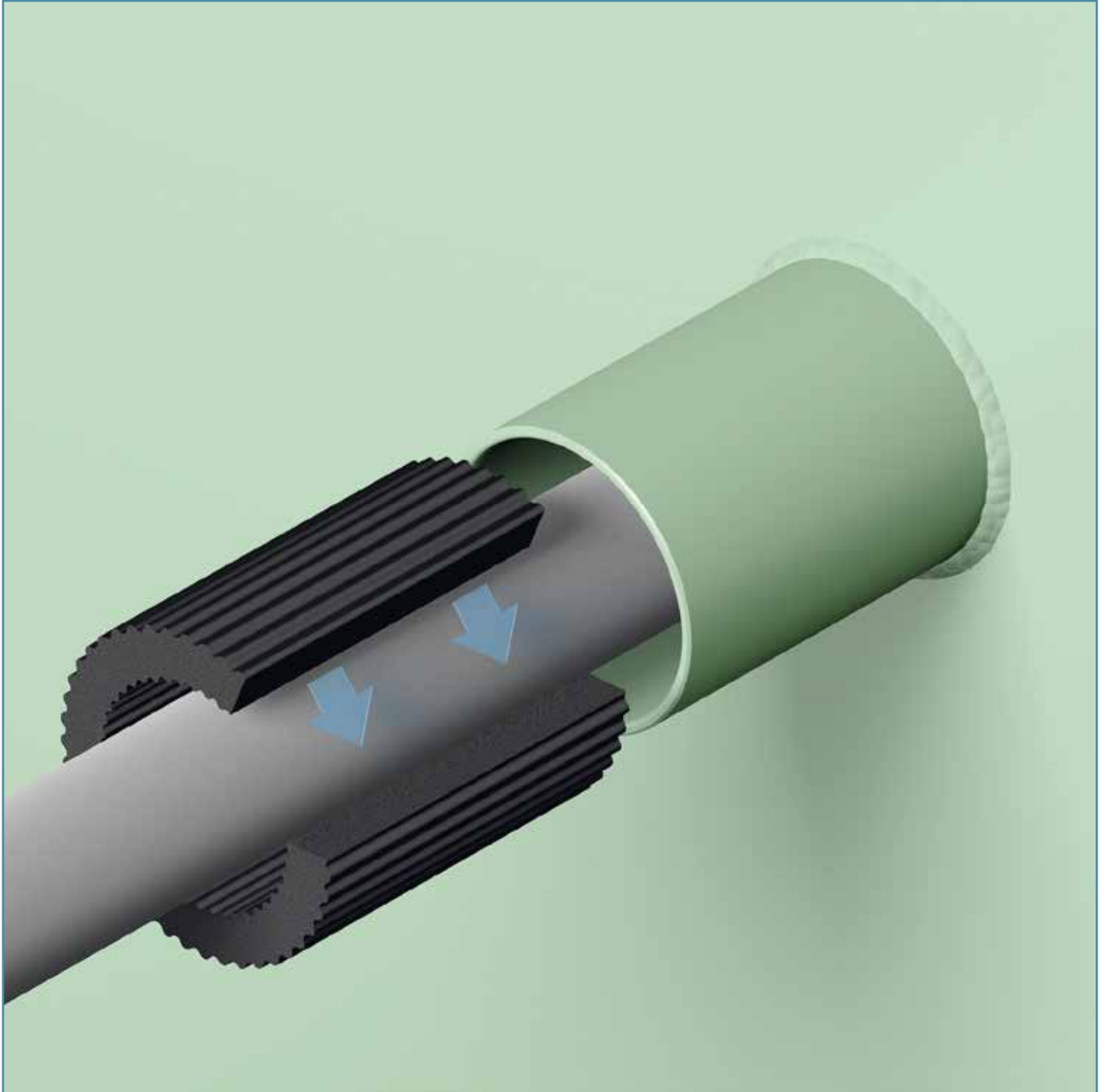
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



All dimensions in mm

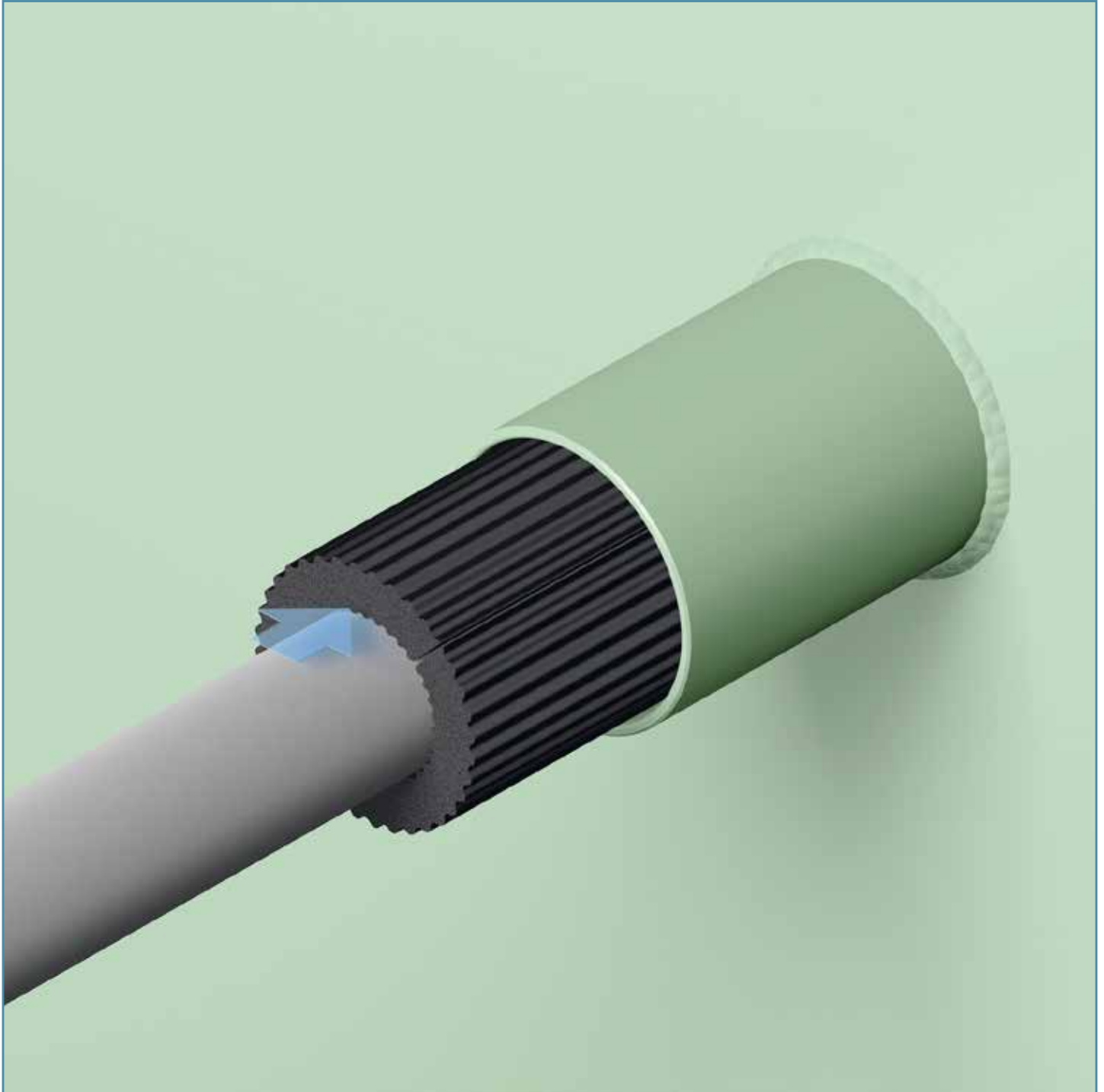
type	A	B	C	art. no. steel	art. no. stainless
SL 41 WS-cr	48.5	41	250	60.8161	60.8176
SL 55 WS-cr	62.5	55	250	60.8162	60.8177
SL 62 WS-cr	70	62	250	60.8163	60.8178
SL 70 WS-cr	78	70	250	60.8164	60.8179
SL 82 WS-cr	90	82	250	60.8165	60.8180
SL 100 WS-cr	108	100	250	60.8166	60.8181
SL 107 WS-cr	115	107	250	60.8167	60.8182
SL 131 WS-cr	140	131	250	60.8168	60.8183
SL 150 WS-cr	159	150	250	60.8169	60.8184
SL 207 WS-cr	220	207	250	60.8170	60.8185

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



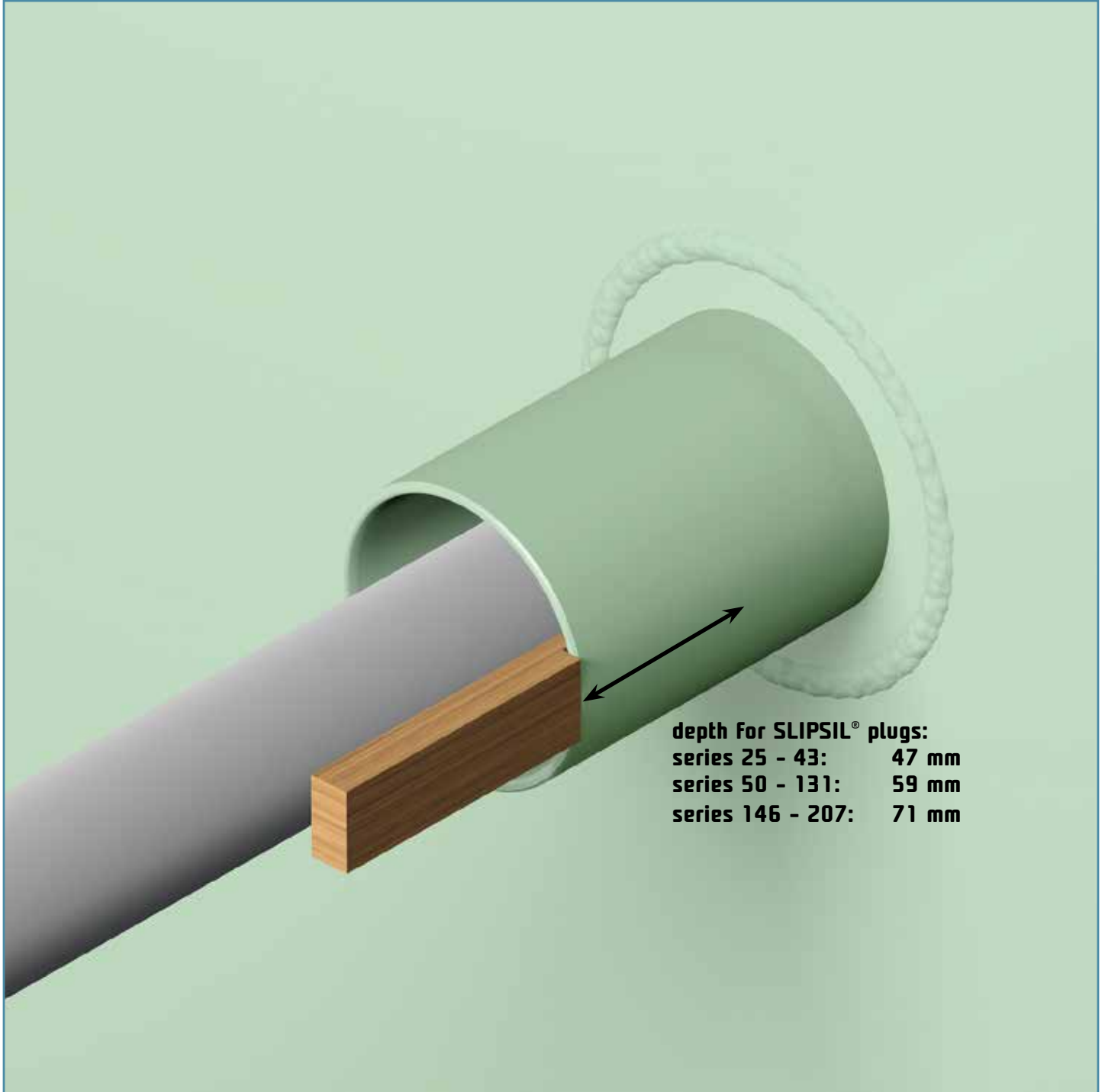
Before starting the installation procedure, any dirt, oil residues or corrosion should be removed from the conduit sleeve and the surface of the ducted pipe. The outside of the C-FIT CRUSHER® and the inner wall of the conduit should be treated with CSD® lubricant for ease of installation. The fitting C-FIT CRUSHER®, which is split lengthwise, is folded around the ducted plastic pipe. Please refer to the Safety Data Sheet of the CSD® lubricant for more information.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



Push the crusher into the conduit sleeve. The C-FIT CRUSHER® can be tapped in using a hammer and a piece of wood. Be careful not to damage the plastic pipe.

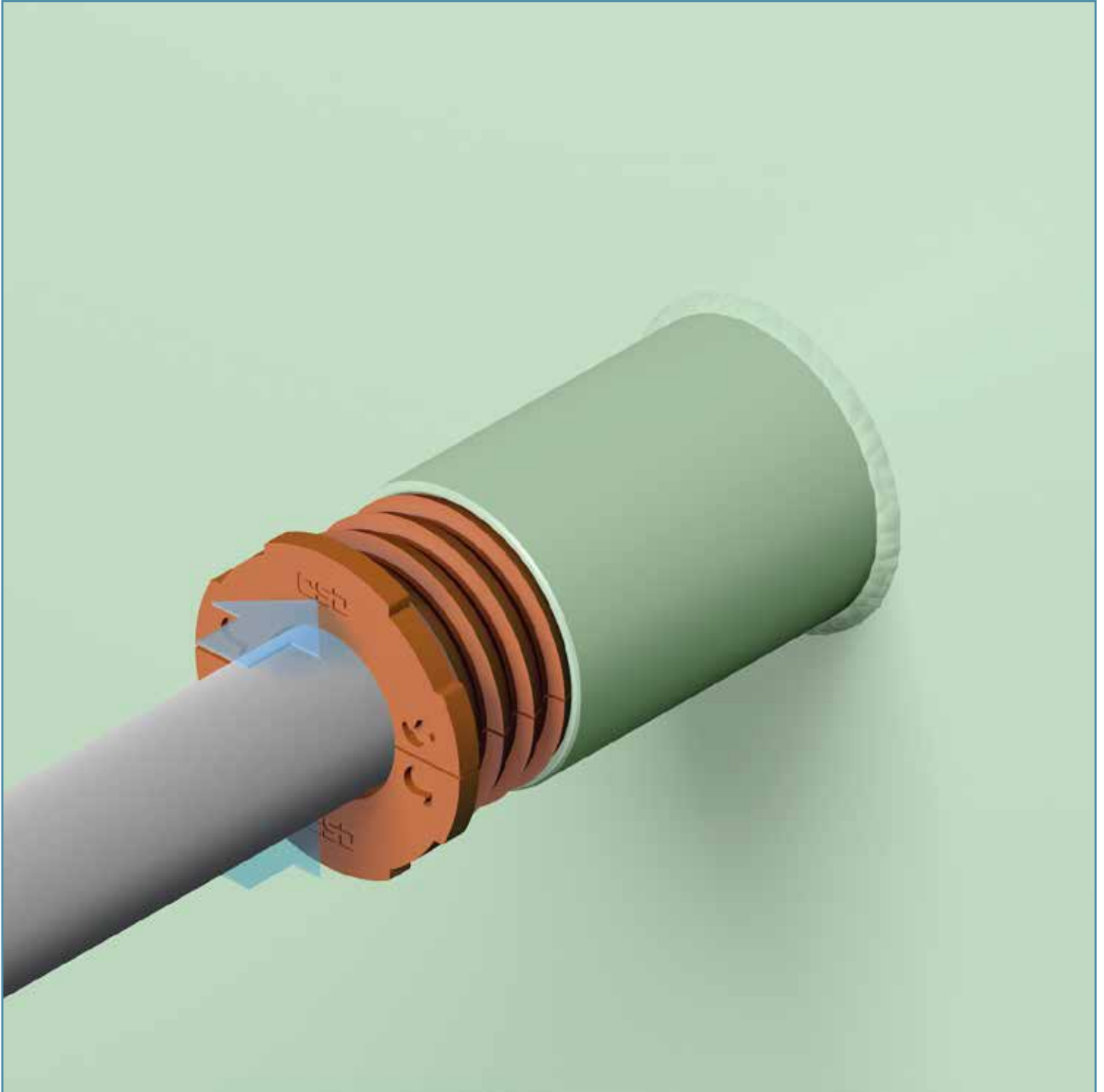
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



The C-FIT CRUSHER® should be inserted into the conduit sleeve over a length which corresponds with the length of the SLIPSIL® sealing plug. With the Beele® adjuster or a marked piece of wood, the depth of the insertion of the C-FIT CRUSHER® should be checked.

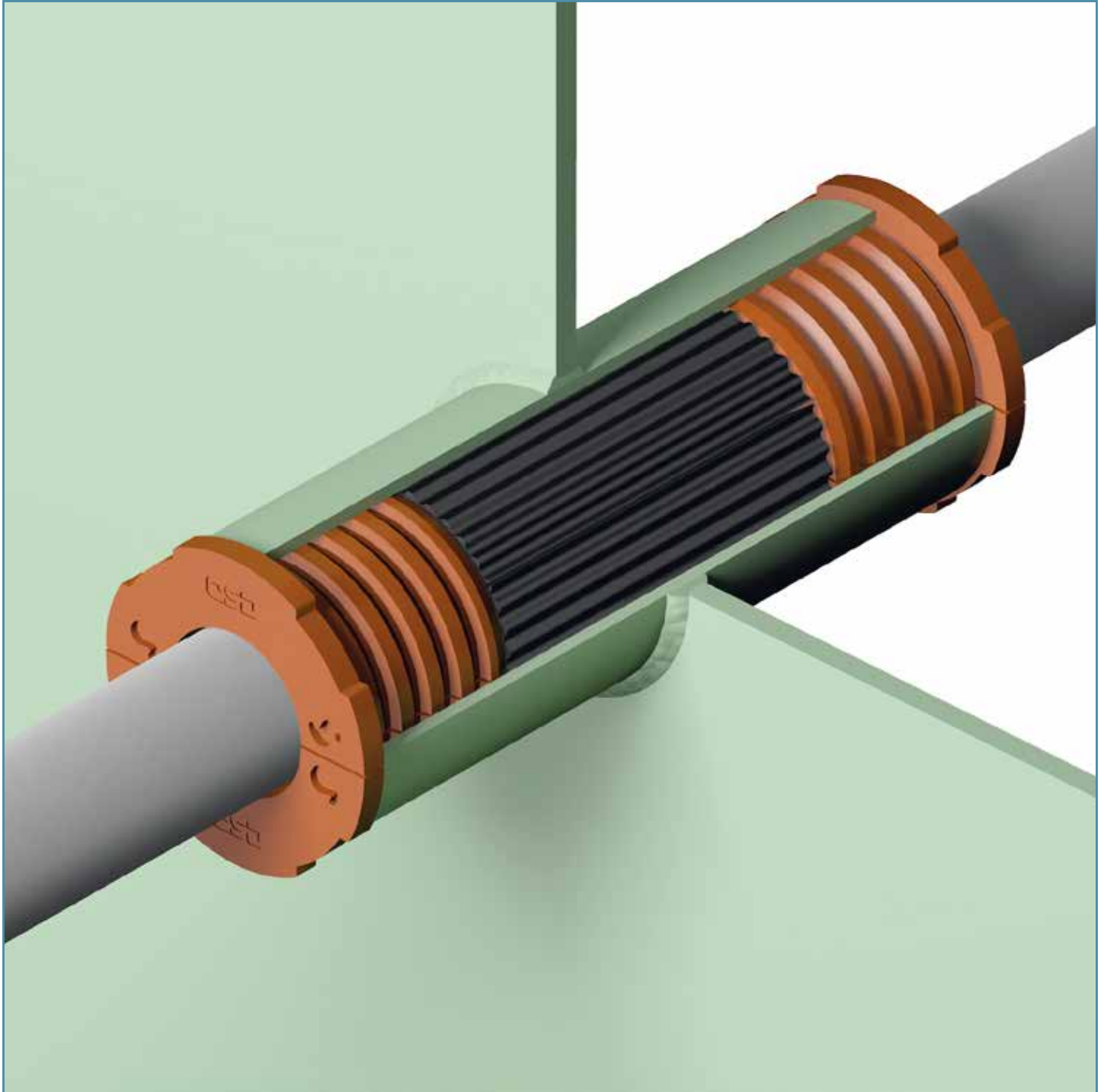
Note: it will be impossible to correct the depth with the insertion of the SLIPSIL® sealing plug.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



Before installation of the sealing plugs, the segments of the SLIPSIL® sealing plug are treated with CSD® lubricant on the inside and outside. Both segments of the SLIPSIL® sealing plug are placed around the ducted pipe and then pushed by hand evenly, serration by serration, into the conduit sleeve. 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. Please refer to the Safety Data Sheet of the CSD® lubricant for more information.

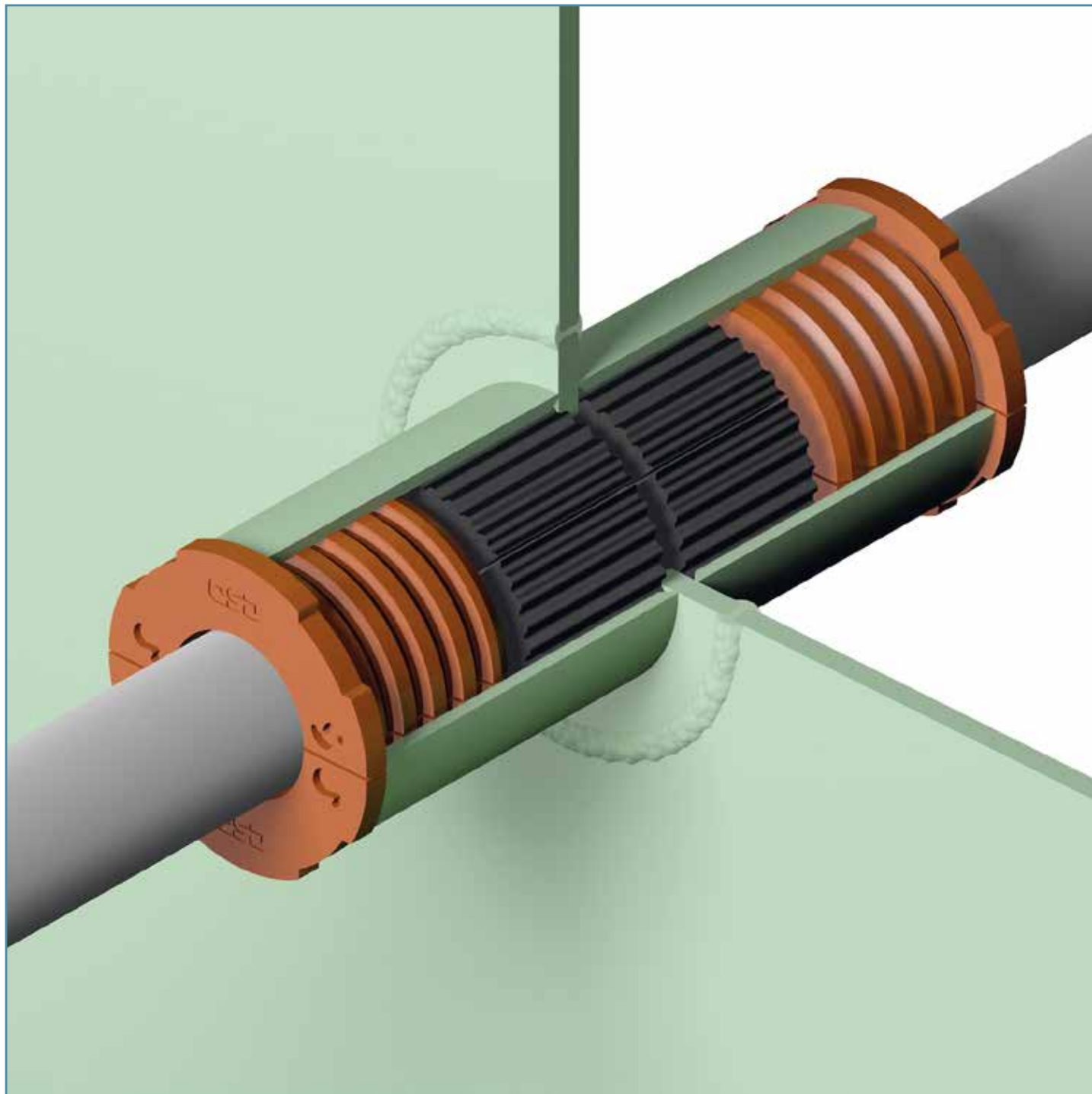
INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®



The flanged edge of the sealing plugs must be flush against the front side of the conduit sleeve.

For A-class penetrations, the conduit sleeve needs to be insulated only at the insulated side of the bulkhead or at the lower side of the deck.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER®

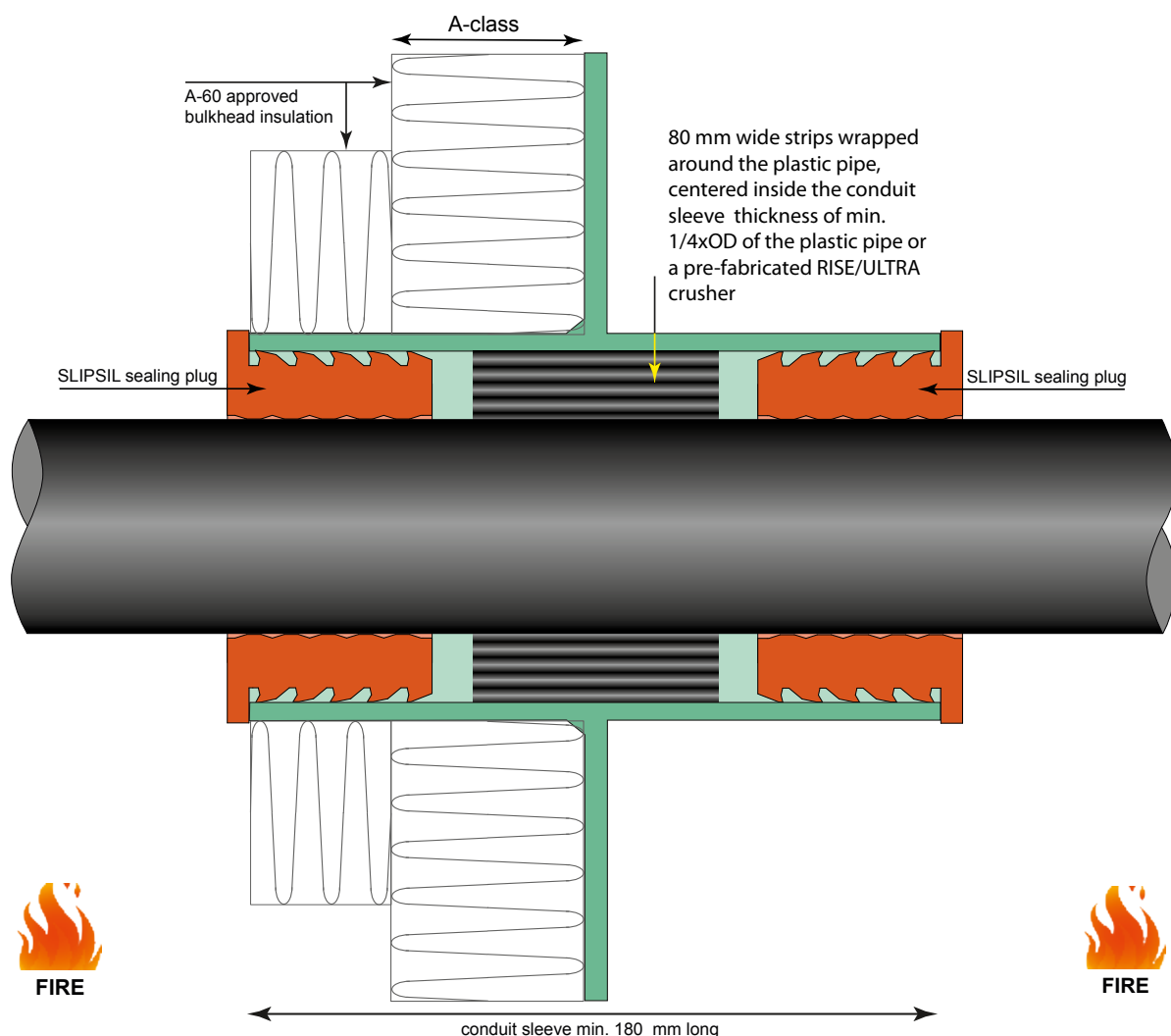


The SLIPSIL® plug sealing system for plastic pipes can be also applied in the SLIPSIL® conduit sleeves with a shoulder inside. In this case the CRUSHER® plugs have to be cut to length and inserted from both sides of the conduit sleeve before the SLIPSIL® are going to be installed. Optimum tightness ratings are achieved when the system is applied in the SLIPSIL® conduit sleeves with a shoulder inside.

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS AND CRUSHER

**direction of exposure:
fire from either side**

SLIPSIL/CRUSHER SEALING SYSTEM
for plastic pipes
min. 16 mm - max. 225 mm OD



conduit sleeve positioned:
- symmetrically
or
- non-symmetrically with longest length on unexposed side



Description: SLIPSIL plug sealing system for A-60 class bulkheads

Mat.: NOFIRNO rubber & RISE/ULTRA rubber

Ref.: JAB

Date:

13-09-2005

Scale:

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Rev. 1

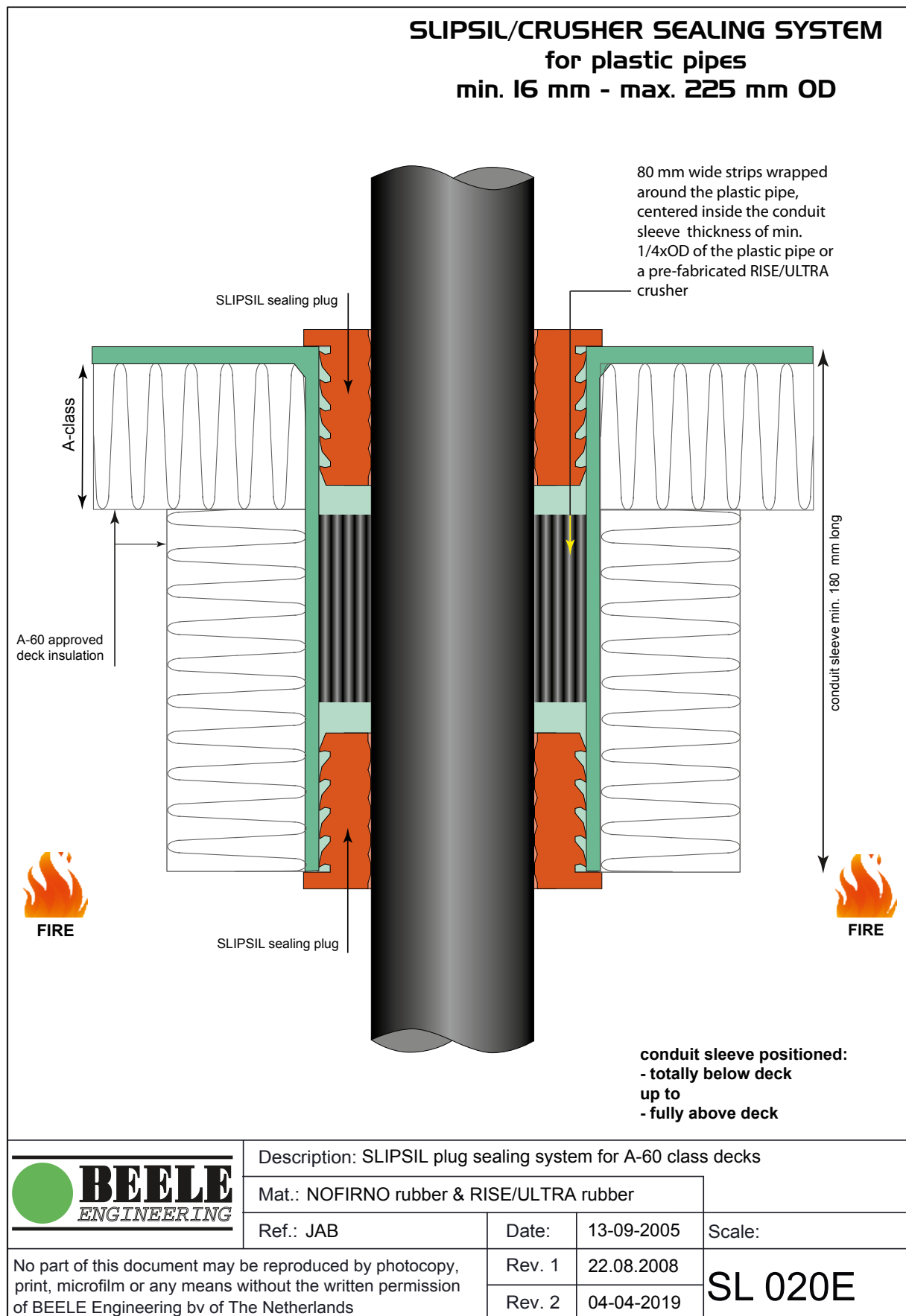
22.08.2008

Rev. 2

04-04-2019

SL 018E

INSTALLATION INSTRUCTIONS SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



INSTALLATION INSTRUCTIONS

SLIPSIL® CONDUIT SLEEVES AND SLIPSIL® SEALING PLUGS



Certificate of
EC Type-examination (Module B)
192130008/AA/02
Product Category: MED/3.26b
USCG Approval No: 164.138/EC0560



Issued 29 September 2020
Page 1 of 41
Certificate has four Annexes

Date of expiration of validity 10 October 2024
Last date of placement 10 October 2024

With respect to Marine Equipment Directive 2014/90/EU and the implementing Regulation (EU) 2020/1170, Kiwa Telefication Notified Body 0560 declares that the equipment:

Product description:	Penetrations through "A" Class divisions: pipe, duct, trunk, etc
Trademark:	SLIPSIL
Type designation:	SLIPSIL
Variants:	See Annex 3
Manufacturer:	BEELE ENGINEERING
Address:	Beunkdijk 11
City:	7122 NZ AALTEN
Country:	Netherlands

Complies with the international instruments and test standards as listed in the Annex.
This certificate is granted to:

Name:	BEELE ENGINEERING
Address:	Beunkdijk 11
City:	7122 NZ AALTEN
Country:	Netherlands



0560

Gözde Tuzcu
Assessor



Kiwa Telefication
Edisonstraat 12A
6902 PK ZEVENAAR
The Netherlands
Tel: +31 316 583 180
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www.telefication.com

Chamber of commerce
51565536

CERTIFICATE

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®

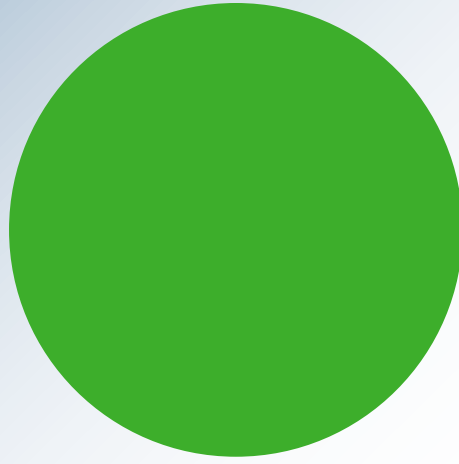
- Designed to provide fire safe, gas and watertight seals for pipe penetrations.
- For transits carrying single or multiple metal pipes with the same diameter (hydraulic and pneumatic lines).
- Installs in a couple of minutes. Lubricate and push - that is it!
- No bolting or other mechanical devices.
- 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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Websites: <https://www.beele.com>, sealingvalley.com and fissiccoating.com