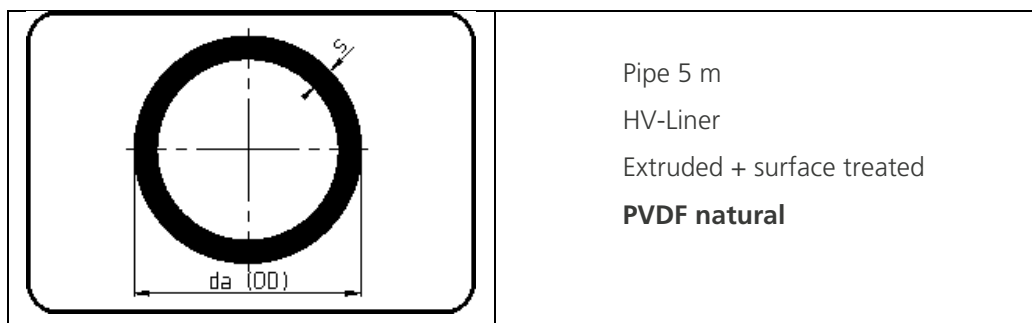


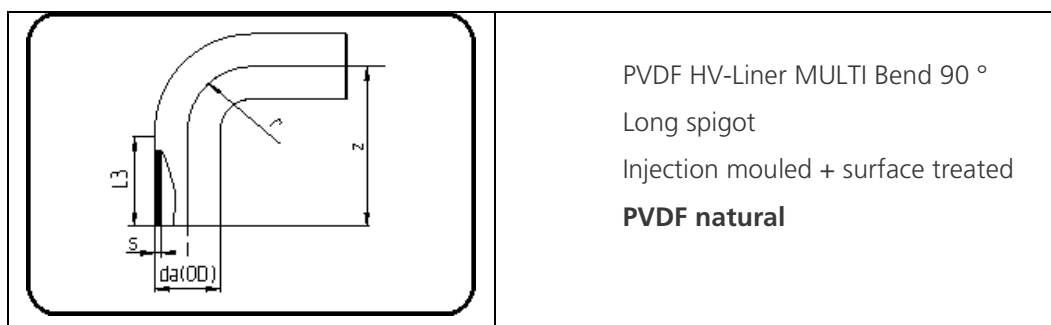
DELIVERY PROGRAM / PVDF HV-Liner Products

Due to the product extension of our PVDF HV-Liner system it was necessary to generate new article codes for the Liner pipes. These codes are now correlating to the HV-Liner fittings program. The implementation of the new article codes will be done step by step.

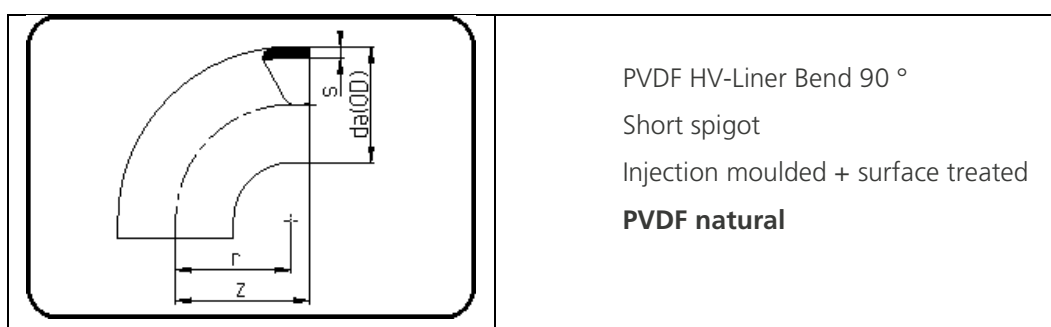


Dimension	Code new	Code old	Detail
20	3H.705.0020.00	30.744.0020.00	20 x 1.9
25	3H.705.0025.00	30.744.0025.00	25 x 1.9
32	3H.705.0032.00	30.744.0032.00	32 x 2.4
40	3H.705.0040.00	30.744.0040.00	40 x 2.4
50	3H.705.0050.00	30.744.0050.00	50 x 3.0
63	3H.705.0063.00	30.744.0063.00	63 x 3.0
75	3H.705.0075.00	30.744.0075.00	75 x 3.0
90	3H.705.0090.00	30.744.0090.00	90 x 2.8
110	3H.705.0110.00	30.744.0110.00	110 x 3.0
125	3H.705.0125.00	30.744.0125.00	125 x 3.0
140	3H.705.0140.00	30.744.0140.00	140 x 3.0
160	3H.705.0160.00	30.744.0160.00	160 x 3.0
200	3H.705.0200.00	30.744.0200.00	200 x 3.0
250	3H.705.0250.00	30.744.0250.00	250 x 3.0
315	3H.705.0315.00	30.744.0315.00	315 x 4.0
355	3H.705.0355.00	30.744.0355.00	355 x 4.0
400	3H.705.0400.00	30.744.0400.00	400 x 5.0

DELIVERY PROGRAM PVDF HV-Liner Product range

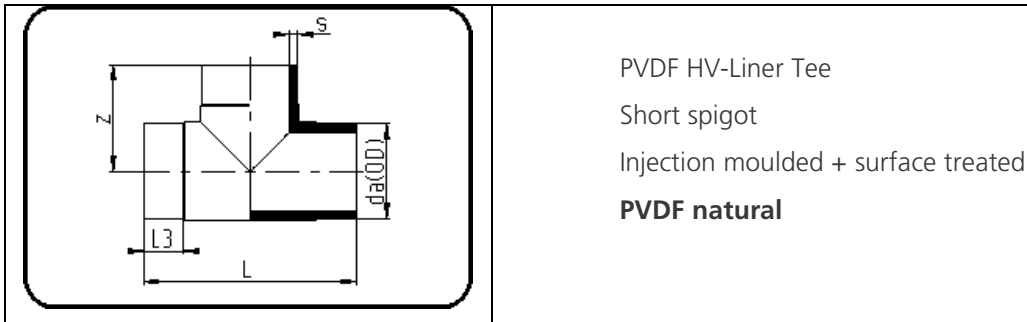


Dimension	Code	Detail	da(OD) mm	s mm	z mm	r mm	L3 mm
20	3H.068.0020.00	20 x 1.9	20	1.9	51	20	33
25	3H.068.0025.00	25 x 1.9	25	1.9	56	25	33
32	3H.068.0032.00	32 x 2.4	32	2.4	63	32	33
40	3H.068.0040.00	40 x 2.4	40	2.4	72	40	36
50	3H.068.0050.00	50 x 3.0	50	3.0	84	50	36
63	3H.068.0063.00	63 x 3.0	63	3.0	97	63	34
75	3H.068.0075.00	75 x 3.6	75	3.6	100	75	28
90	3H.068.0090.00	90 x 2.8	90	2.8	123	90	34
110	3H.068.0110.00	110 x 3.4	110	3.4	142	110	34

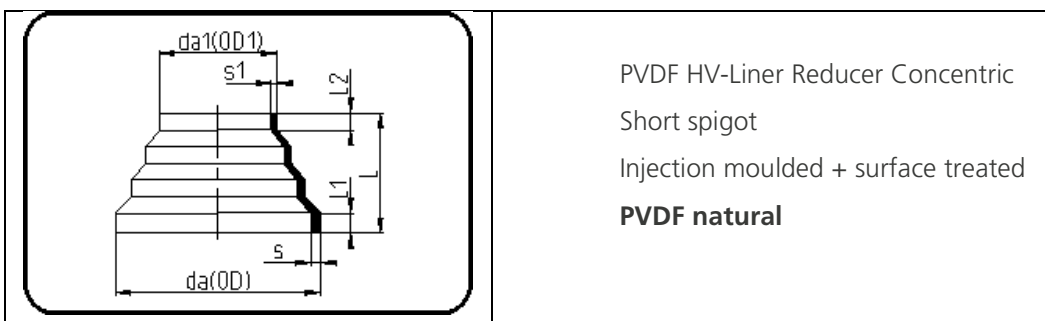


Dimension	Code	Detail	da(OD) mm	s mm	z mm	r mm
140	3H.001.0140.00	140 x 3.0	140	3.0	148	140
160	3H.001.0160.00	160 x 3.0	160	3.0	181	157
200	3H.001.0200.00	200 x 3.0	200	3.0	217	196
250	3H.001.0250.00	250 x 3.0	250	3.0	287	250

DELIVERY PROGRAM PVDF HV-Liner Product range

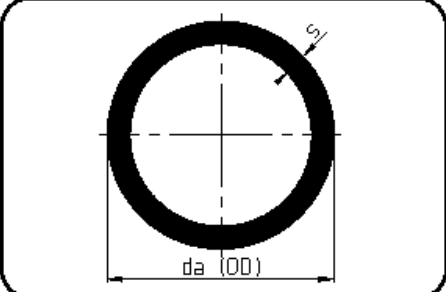


Dimension	Code	Detail	da(OD) mm	s mm	z mm	L mm	L3 mm
20	3H.006.0020.00	20 x 1.9	20	1.9	38	75	25
25	3H.006.0025.00	25 x 1.9	25	1.9	42	84	25
32	3H.006.0032.00	32 x 2.4	32	2.4	46	90	25
40	3H.006.0040.00	40 x 2.4	40	2.4	58	116	31
50	3H.006.0050.00	50 x 3.0	50	3.0	64	126	31
63	3H.006.0063.00	63 x 3.0	63	3.0	70	140	31
75	3H.006.0075.00	75 x 3.6	75	3.6	89	178	42
90	3H.006.0090.00	90 x 2.8	90	2.8	92	185	33.5
110	3H.006.0110.00	110 x 3.4	110	3.4	110	221	33.5
140	3H.006.0140.00	140 x 3.0	140	3.0	154	308	60
160	3H.006.0160.00	160 x 3.0	160	3.0	140	279	45
200	3H.006.0200.00	200 x 3.0	200	3.0	223	446	89

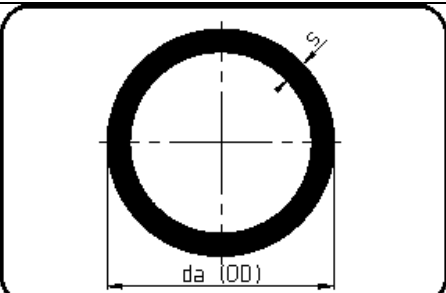


Dimension	Code	Detail	da(OD) mm	da1(OD) mm	s mm	L mm	L1 mm	L2 mm	s1 mm
110/63	3H.007.1163.00	110/63	110	63	3.4	65	11	7	2.5
160/110	3H.007.1611.00	160/110	160	110	4.9	85	14	13	3.4

DELIVERY PROGRAM / PVDF HV-Liner Products

	<p>Pipe 5 m HV-Liner Extruded + surface treated PVDF-el ESD black Sidemark: There is no electrical conductivity given on the HV liner surface Product is available on request</p>
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Dimension	Code	Detail
32	4L.744.0032.00	32 x 2.4
40	4L.744.0040.00	40 x 2.4
50	4L.744.0050.00	50 x 3.0
63	4L.744.0063.00	63 x 3.0
90	4L.744.0090.00	90 x 2.8
110	4L.744.0110.00	110 x 3.0
160	4L.744.0160.00	160 x 3.0
200	4L.744.0200.00	200 x 3.0
250	4L.744.0250.00	250 x 3.0

	<p>Pipe 5 m HV-Liner Extruded + surface treated PVDF-Flex Sidemark: Product is available on request</p>
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