

compressed air system series SPEEDLINE



design	screw fitting with o-ring and gripper
tube outside diameter	16...110mm
characteristics	high flow rates, leakage free compressed air system, simple possibility of extension, silicone-free, shock-proof
materials	design PA6: body, swivel nut and pressure sleeve PA6 design aluminum: body, swivel nut and pressure sleeve aluminum gripper stainless steel AISI 301, o-ring NBR
suggested piping materials	aluminum pipes, plastic pipe, multilayer pipe series SPEEDLINE
medium	compressed air, vacuum (liquids and other gases on request)
medium temperature	fittings series PA6: -15...+65°C fittings series aluminum: -30...+80°C
operating pressure	0...16bar, vacuum -0,99bar
approvals	ROHS-conform

straight male stud fitting, conical thread



thread d	outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
R1/2"	16	37	64	38	30	PA6	SC12C-16-12-DD
R1/2"	20	45	68	48	60	PA6	SC12C-20-12-DD
R3/4"	20	45	68	48	60	PA6	SC12C-20-34-DD
R1/2"	25	51	71	52	80	PA6	SC12C-25-12-DD
R3/4"	25	51	73	52	80	PA6	SC12C-25-34-DD
R1"	25	51	76	52	80	PA6	SC12C-25-10-DD
R1"	32	61	85	62	120	PA6	SC12C-32-10-DD
R11/4"	32	61	87	62	130	PA6	SC12C-32-114-DD
R1"	40	75	96	70	200	PA6	SC12C-40-10-DD
R11/4"	40	75	97	70	200	PA6	SC12C-40-114-DD
R11/2"	40	75	98	70	200	PA6	SC12C-40-112-DD
R11/2"	50	87	108	79	300	PA6	SC12C-50-112-DD
R2"	50	87	111	79	290	PA6	SC12C-50-20-DD
R2"	63	108	115	80,5	350	PA6	SC12C-63-20-DD

thread d	outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
R1/2"	20	38	53	37	43	aluminum	SC12C-20-12-AA
R3/4"	20	38	53	37	45	aluminum	SC12C-20-34-AA
R3/4"	25	45	58	45	63	aluminum	SC12C-25-34-AA
R1"	25	45	58	45	68	aluminum	SC12C-25-10-AA
R11/4"	32	56	81	56	150	aluminum	SC12C-32-114-AA
R11/2"	40	62	94	77	322	aluminum	SC12C-40-112-AA
R2"	50	81	106	75	457	aluminum	SC12C-50-20-AA
R2"	63	97	130	95	518	aluminum	SC12C-63-20-AA
R21/2"	63	97	130	95	545	aluminum	SC12C-63-212-AA
R21/2"	80	116	152	114	907	aluminum	SC12C-80-212-AA
R3"	80	116	155	114	1027	aluminum	SC12C-80-30-AA

straight female fitting



thread d	outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
RP1/2"	20	38	77	37	44	aluminum	SC13-20-12-AA
RP3/4"	20	38	77	37	45	aluminum	SC13-20-12-AA
RP3/4"	25	45	95	45	68	aluminum	SC13-25-34-AA
RP1"	25	45	95	45	70	aluminum	SC13-25-10-AA
RP11/4"	32	56	120	56	157	aluminum	SC13-32-114-AA
RP11/2"	40	62	156	77	335	aluminum	SC13-40-112-AA
RP2"	50	81	165	75	468	aluminum	SC13-50-20-AA
RP21/2"	63	97	193	95	582	aluminum	SC13-63-212-AA

straight connector, with tube stop



outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
16	37	81	38	50	PA6	SC13-16-DD
20	45	98	48	90	PA6	SC13-20-DD
25	51	106	52	132	PA6	SC13-25-DD
32	61	124	62	212	PA6	SC13-32-DD
40	75	142	70	350	PA6	SC13-40-DD
50	87	161	79	505	PA6	SC13-50-DD
63	108	170	80,5	570	PA6	SC13-63-DD

outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
20	38	77	37	64	aluminum	SC13-20-AA
25	45	95	45	100	aluminum	SC13-25-AA
32	56	120	56	233	aluminum	SC13-32-AA
40	62	156	77	283	aluminum	SC13-40-AA
50	81	165	75	590	aluminum	SC13-50-AA
63	97	193	95	966	aluminum	SC13-63-AA
80	116	232	114	1492	aluminum	SC13-80-AA
110	153	211	104	1762	aluminum	SC13-110-AA

straight connector (reduction), with tube stop



outside tube diameter D [mm]	outside tube diameter D1 [mm]	E	E1	L	insertion depth [mm]	insertion depth 1 [mm]	weight [g]	material	type
20	25	45	51	81	48	52	120	PA6	SC13-20-25-DD
25	32	51	61	98	52	62	178	PA6	SC13-25-32-DD
25	40	51	75	106	52	70	230	PA6	SC13-25-40-DD
32	40	61	75	124	62	70	290	PA6	SC13-32-40-DD
40	50	75	87	142	70	79	450	PA6	SC13-40-50-DD

straight sliding connector, without tube stop, movable in a lose state



outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
32	61	124	62	212	PA6	SC13-32-DD-B
40	75	142	70	350	PA6	SC13-40-DD-B
50	87	161	79	505	PA6	SC13-50-DD-B
63	108	170	80,5	570	PA6	SC13-63-DD-B

outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
32	56	120	56	230	aluminum	SC13-32-AA-B
40	62	156	77	280	aluminum	SC13-40-AA-B
50	81	165	75	586	aluminum	SC13-50-AA-B
63	97	193	95	962	aluminum	SC13-63-AA-B
80	116	232	114	1489	aluminum	SC13-80-AA-B

male elbow, conical thread



thread d	outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
R1/2"	20	45	78	48	68	PA6	SC16C-20-12-DD
R1/2"	25	51	87	52	95	PA6	SC16C-25-12-DD
R3/4"	25	51	87	52	95	PA6	SC16C-25-34-DD

thread d	outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
R1/2"	20	38	65	37	50	aluminum	SC16C-20-12-AA
R1/2"	25	45	80	45	80	aluminum	SC16C-25-12-AA
R3/4"	25	45	80	45	80	aluminum	SC16C-25-34-AA

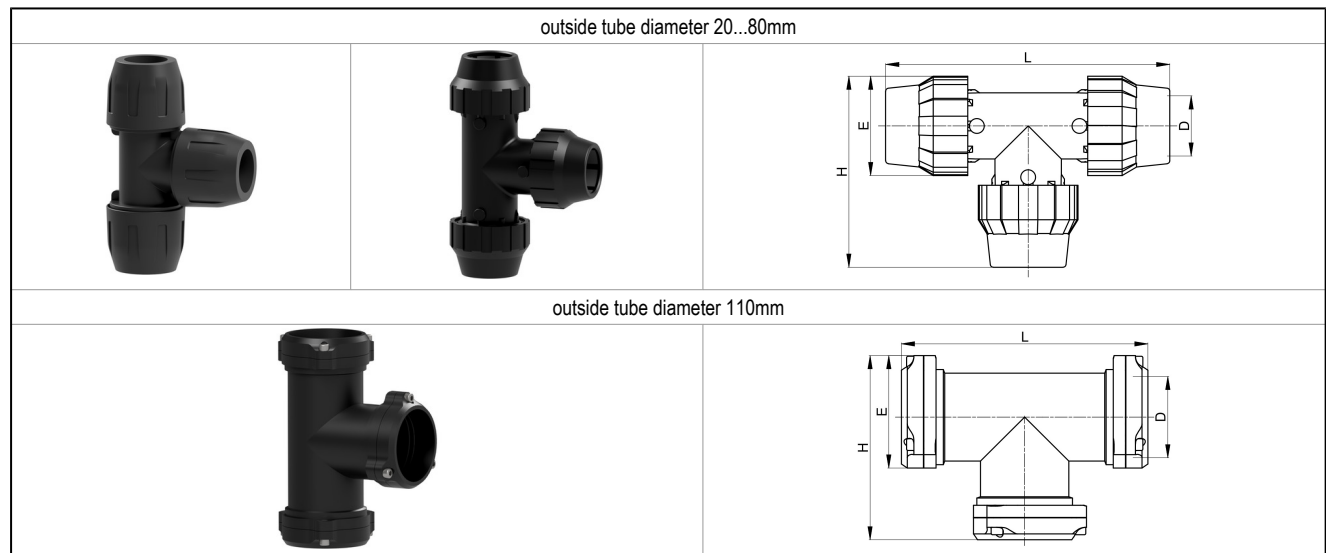
elbow connector



outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
16	37	72	38	70	PA6	SC17-16-DD
20	45	86	48	100	PA6	SC17-20-DD
25	51	95	52	140	PA6	SC17-25-DD
32	61	122	62	240	PA6	SC17-32-DD
40	75	130	70	390	PA6	SC17-40-DD
50	87	152	79	580	PA6	SC17-50-DD
63	108	165	80,5	800	PA6	SC17-63-DD

outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
20	38	72	37	78	aluminum	SC17-20-AA
25	45	98	45	134	aluminum	SC17-25-AA
32	56	120	56	275	aluminum	SC17-32-AA
40	62	130	77	326	aluminum	SC17-40-AA
50	81	145	75	748	aluminum	SC17-50-AA
63	97	180	95	1033	aluminum	SC17-63-AA
80	116	217	114	1770	aluminum	SC17-80-AA
110	162	251	104	2190	aluminum	SC17-110-AA

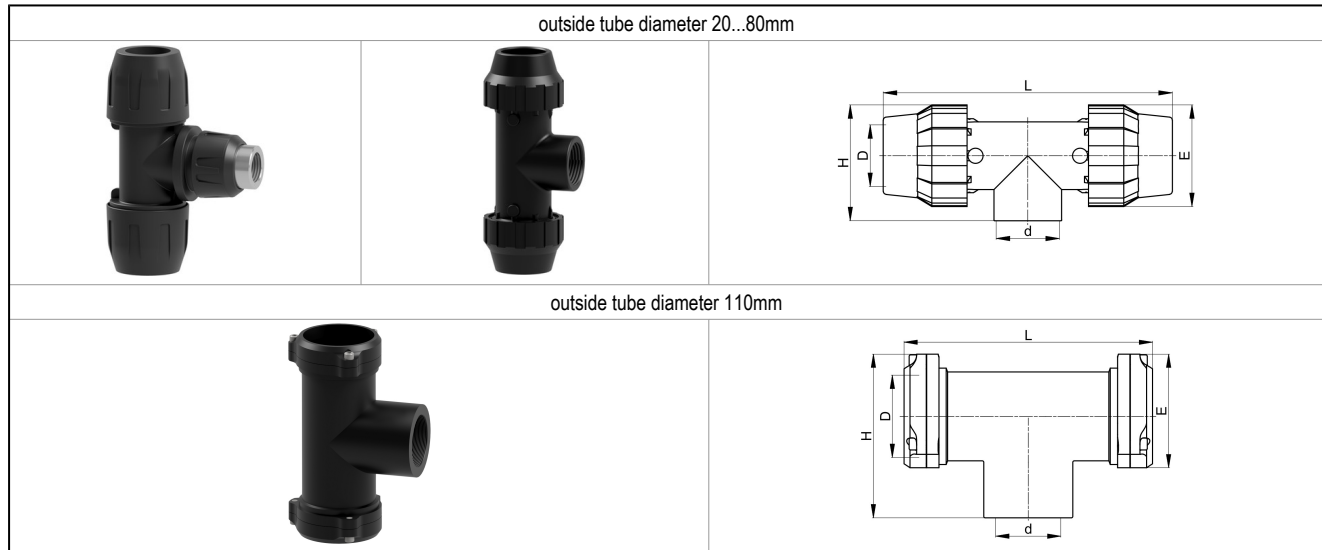
T-connector



outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
16	37	109	38	90	PA6	SC29-16-DD
20	45	127	48	160	PA6	SC29-20-DD
25	51	140	52	210	PA6	SC29-25-DD
32	61	170	62	360	PA6	SC29-32-DD
40	75	185	70	565	PA6	SC29-40-DD
50	87	216	79	850	PA6	SC29-50-DD
63	108	235	80,5	1200	PA6	SC29-63-DD

outside tube diameter D [mm]	E	L	H	insertion depth [mm]	weight [g]	material	type
20	38	100	46	37	115	aluminum	SC29-20-AA
25	45	125	52	45	195	aluminum	SC29-25-AA
32	56	130	65	56	400	aluminum	SC29-32-AA
40	62	132	70	77	499	aluminum	SC29-40-AA
50	84	150	100	75	1075	aluminum	SC29-50-AA
63	97	263	112	95	1453	aluminum	SC29-63-AA
80	116	318	136	114	2534	aluminum	SC29-80-AA
110	162	335	227	104	4080	aluminum	SC29-110-AA

T-connector, female thread

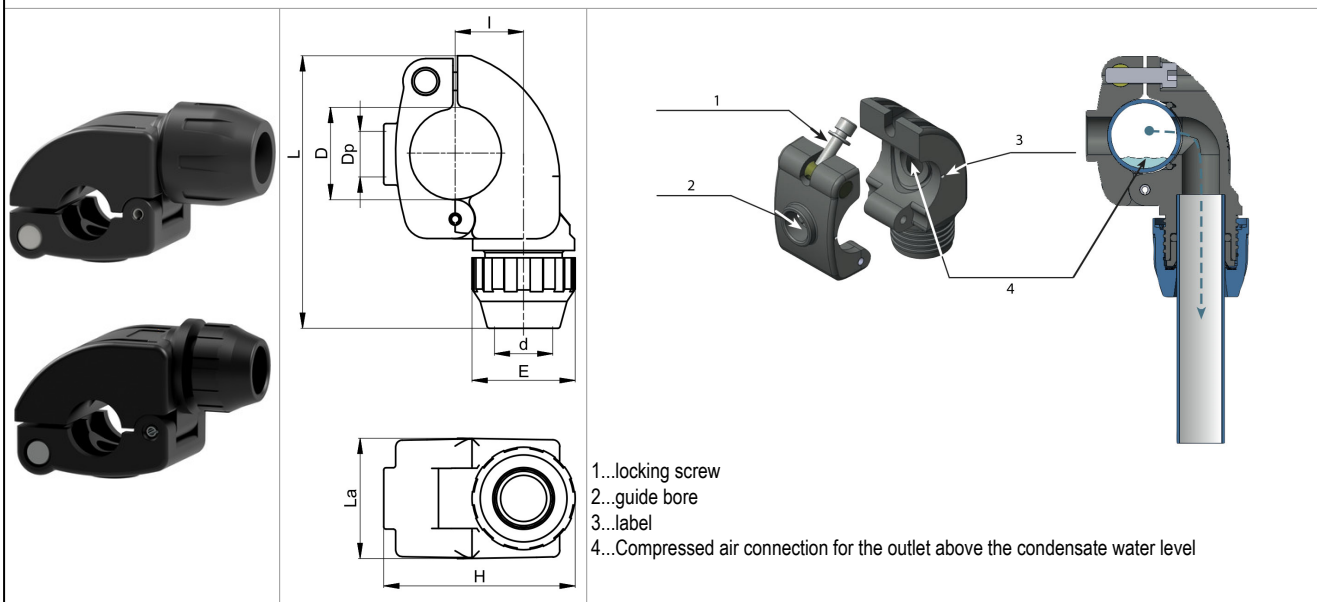


thread d	outside tube diameter D [mm]	E	H	L	insertion depth [mm]	weight [g]	material	type
RP1/2"	20	45	75	127	48	160	PA6	SC29-20-12-20-DD
RP1/2"	25	51	80	140	52	210	PA6	SC29-25-12-25-DD

thread d	outside tube diameter D [mm]	E	H	L	insertion depth [mm]	weight [g]	material	type
RP1/2"	20	38	46	100	37	89	aluminum	SC29-20-12-20-AA
RP3/4"	25	45	52	125	45	160	aluminum	SC29-25-34-25-AA
RP1"	32	56	65	130	56	330	aluminum	SC29-32-10-32-AA
RP1 1/4"	40	62	70	132	77	366	aluminum	SC29-40-114-40-AA
RP1 1/2"	50	81	100	150	75	863	aluminum	SC29-50-112-50-AA
RP2"	63	97	112	263	95	1126	aluminum	SC29-63-20-63-AA
RP2 1/2"	80	116	136	318	114	2120	aluminum	SC29-80-212-80-AA
RP3"	110	162	221	335	104	3400	aluminum	SC29-110-30-110-AA

tube branch connection with pipe connection

This branch connection allows to create quickly an additional outlet, without dismantling the main line. The connection of the compressed air is above the condensate level. The enter of water into the stub is prevented.

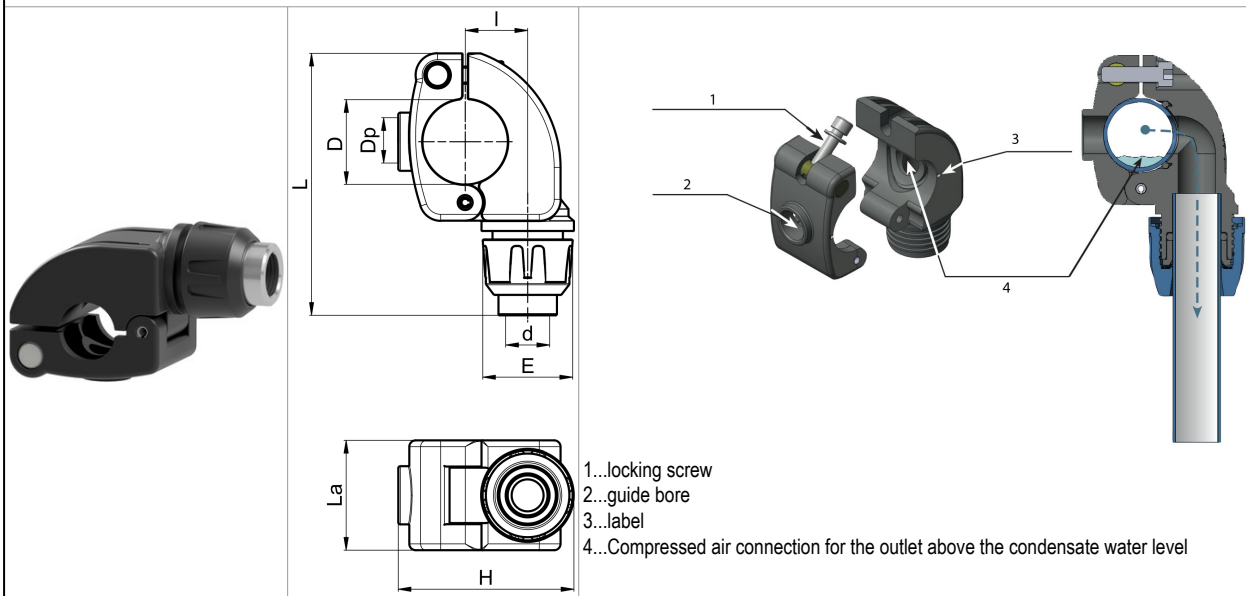


outside tube diameter main tube D [mm]	outside tube diameter branch connection d [mm]	Dp	E	H	I	L	La	insertion depth [mm]	weight [g]	material	type
25	16	16	37	71,5	24,5	113	52	38	220	PA6	SC29-25-16-DD
25	20	16	45	71,5	24,5	113	52	48	230	PA6	SC29-25-20-DD
32	16	16	37	71,5	24,5	113	52	38	220	PA6	SC29-32-16-DD
32	20	16	45	71,5	24,5	113	52	48	220	PA6	SC29-32-20-DD
40	16	20	37	83	29,6	125	52	38	250	PA6	SC29-40-16-DD
40	20	20	37	83	29,6	125	52	48	270	PA6	SC29-40-20-DD
40	25	20	51	83	29,6	125	52	52	280	PA6	SC29-40-25-DD
50	16	20	37	115,5	31	145	60	38	420	PA6	SC29-50-16-DD
50	20	20	45	115,5	31	145	60	48	420	PA6	SC29-50-20-DD
50	25	20	51	115,5	31	145	60	52	430	PA6	SC29-50-25-DD
63	20	20	45	115,5	43	145	60	48	370	PA6	SC29-63-20-DD
63	25	20	51	115,5	43	145	60	52	390	PA6	SC29-63-25-DD
63	32	20	61	115,5	43	148	60	62	390	PA6	SC29-63-32-DD

outside tube diameter main tube D [mm]	outside tube diameter branch connection d [mm]	Dp	E	H	I	L	La	insertion depth [mm]	weight [g]	material	type
25	20	16	45	71,5	24,5	113	52	37	195	aluminum	SC29-25-20-AA
32	20	16	45	71,5	24,5	113	52	45	200	aluminum	SC29-32-20-AA
40	20	20	45	83	29,6	125	52	37	250	aluminum	SC29-40-20-AA
40	25	20	51	83	29,6	125	52	45	260	aluminum	SC29-40-25-AA
50	20	20	45	115,5	31	145	60	37	315	aluminum	SC29-50-20-AA
50	25	20	51	115,5	31	145	60	45	323	aluminum	SC29-50-25-AA
63	20	20	45	115,5	43	145	60	37	360	aluminum	SC29-63-20-AA
63	25	20	51	115,5	43	145	60	45	372	aluminum	SC29-63-25-AA
63	32	20	61	115,5	43	145	60	56	420	aluminum	SC29-63-32-AA
80	20	22,5	45	168	71	220	63	37	1080	aluminum	SC29-80-20-AA
80	25	22,5	51	168	71	220	63	45	1095	aluminum	SC29-80-25-AA
80	32	22,5	61	168	71	220	63	56	1140	aluminum	SC29-80-32-AA
110	20	22,5	45	168	71	220	63	37	830	aluminum	SC29-110-20-AA
110	25	22,5	51	168	71	220	63	45	830	aluminum	SC29-110-25-AA
110	32	22,5	61	168	71	220	63	56	850	aluminum	SC29-110-32-AA

tube branch connection with female thread

This branch connection allows to create quickly an additional outlet, without dismantling the main line. The connection of the compressed air is above the condensate level. The enter of water into the stub is prevented.



outside tube diameter main tube D [mm]	thread branch connection d	Dp	E	H	I	L	La	weight [g]	material	type
25	RP1/2"	16	45	71,5	24,5	113	52	240	PA6	SC29-25-12-DD
32	RP1/2"	16	45	71,5	24,5	113	52	220	PA6	SC29-32-12-DD
40	RP1/2"	20	45	83	29,6	125	52	280	PA6	SC29-40-12-DD
40	RP3/4"	20	51	83	29,6	125	52	300	PA6	SC29-40-34-DD
50	RP1/2"	20	45	115,5	31	145	60	400	PA6	SC29-50-12-DD
50	RP3/4"	20	51	115,5	31	145	60	500	PA6	SC29-50-34-DD
63	RP1/2"	20	45	115,5	43	145	60	380	aluminum	SC29-63-12-DA
63	RP3/4"	20	51	115,5	43	145	60	400	aluminum	SC29-63-34-DA
63	RP1"	20	61	115,5	43	148	60	620	aluminum	SC29-63-10-DA
80	RP1/2"	20	45	168	71	220	63	1191	aluminum	SC29-80-12-DA
80	RP3/4"	20	51	168	71	220	63	1153	aluminum	SC29-80-34-DA
80	RP1"	20	61	168	71	220	63	1160	aluminum	SC29-80-10-DA
110	RP3/4"	20	51	168	71	220	63	900	aluminum	SC29-110-34-DA
110	RP1"	20	61	168	71	220	63	900	aluminum	SC29-110-10-DA

threaded socket, conical thread



thread d	outside tube diameter D [mm]	L	L1	weight [g]	material	type
R3/8"	16	76,5	10	25	aluminum	SC38C-16-38-A
R1/2"	20	95	13	36	aluminum	SC38C-20-12-A
R3/4"	20	96	13	52	aluminum	SC38C-20-34-A
R1"	25	108	16	86	aluminum	SC38C-25-10-A
R11/4"	32	125	18	170	aluminum	SC38C-32-114-A
R11/2"	40	136	21	224	aluminum	SC38C-40-112-A
R2"	50	148	23	400	aluminum	SC38C-50-20-A
R2"	63	158	26	481	aluminum	SC38C-63-20-A
R3"	80	171	33	695	aluminum	SC38C-80-30-A

plug adapter



outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
16	37	50	38	30	PA6	SC40-16-DD
20	45	54	48	58	PA6	SC40-20-DD
25	51	60	52	75	PA6	SC40-25-DD
32	61	71	62	126	PA6	SC40-32-DD
40	75	78	70	200	PA6	SC40-40-DD
50	87	85	79	298	PA6	SC40-50-DD
63	108	90	80,5	350	PA6	SC40-63-DD

outside tube diameter D [mm]	E	L	insertion depth [mm]	weight [g]	material	type
20	38	38	37	122	aluminum	SC40-20-AA
25	45	45	45	142	aluminum	SC40-25-AA
32	56	56	56	320	aluminum	SC40-32-AA
40	62	94	77	425	aluminum	SC40-40-AA
50	81	106	75	977	aluminum	SC40-50-AA
63	97	139	95	1168	aluminum	SC40-63-AA
80	116	163	114	1609	aluminum	SC40-80-AA

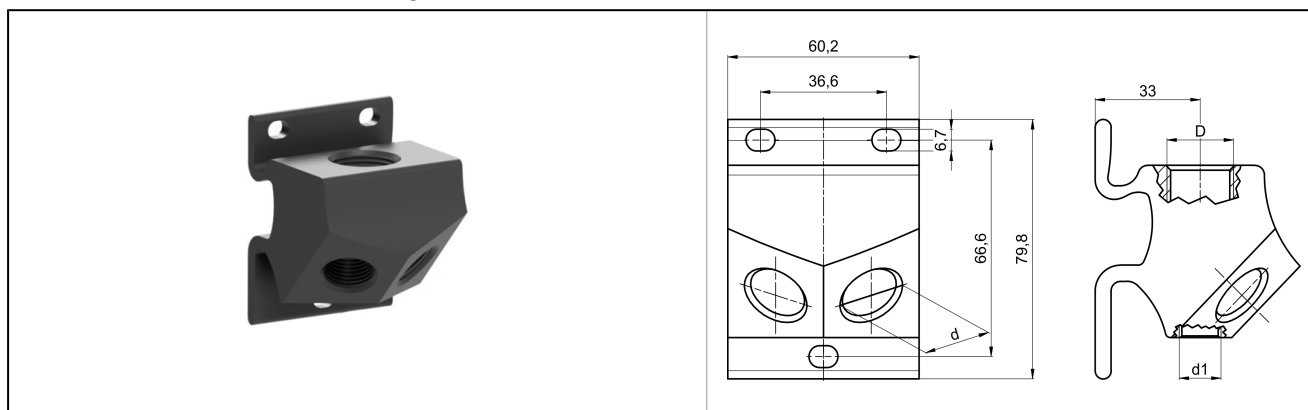
elbow connector 45°



outside tube diameter D [mm]	E	H	L	insertion depth [mm]	weight [g]	material	type
20	45	72	104	48	100	PA6	SC80-20-DD
25	51	81	115	52	145	PA6	SC80-25-DD
32	61	97	137	62	235	PA6	SC80-32-DD
40	75	115	160	70	375	PA6	SC80-40-DD
50	87	134	185	79	540	PA6	SC80-50-DD
63	108	140	210	80,5	770	PA6	SC80-63-DD

outside tube diameter D [mm]	E	H	L	insertion depth [mm]	weight [g]	material	type
20	38	72	82	37	73	aluminum	SC80-20-AA
25	45		101	45	123	aluminum	SC80-25-AA
32	56		130	56	252	aluminum	SC80-32-AA
40	62		160	77	303	aluminum	SC80-40-AA

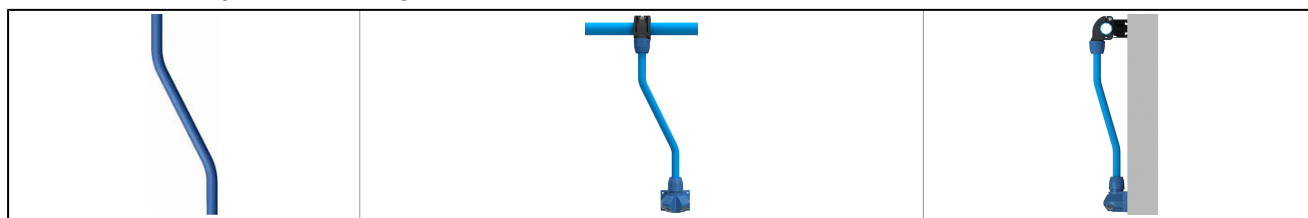
T-connector 45°, with wall mounting bracket, female thread



thread d	thread d1	thread D	weight [g]	material	type
RP1/2"	RP1/4"	RP1/2"	330	aluminum	SC81-12-A
RP1/2"	RP1/4"	RP3/4"	350	aluminum	SC81-34-12-A

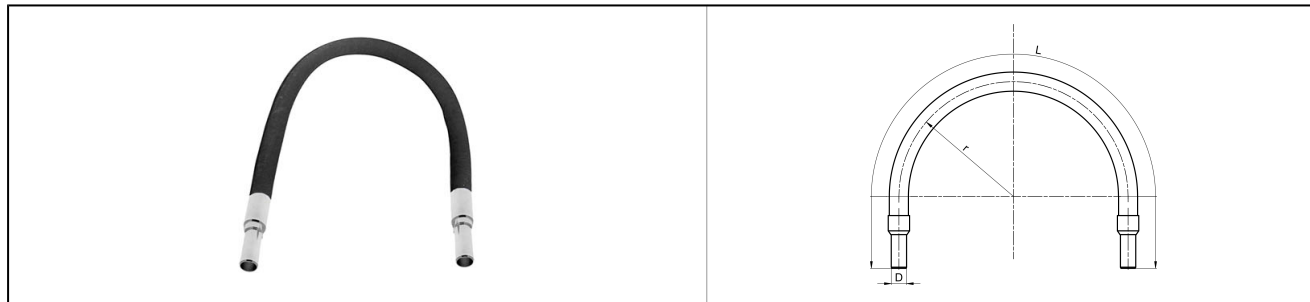
d1...This thread is normally closed. After drilling a condensate drain can be screwed in here.

aluminum pipe, S-type curved, length 0,5m, for distance compensation



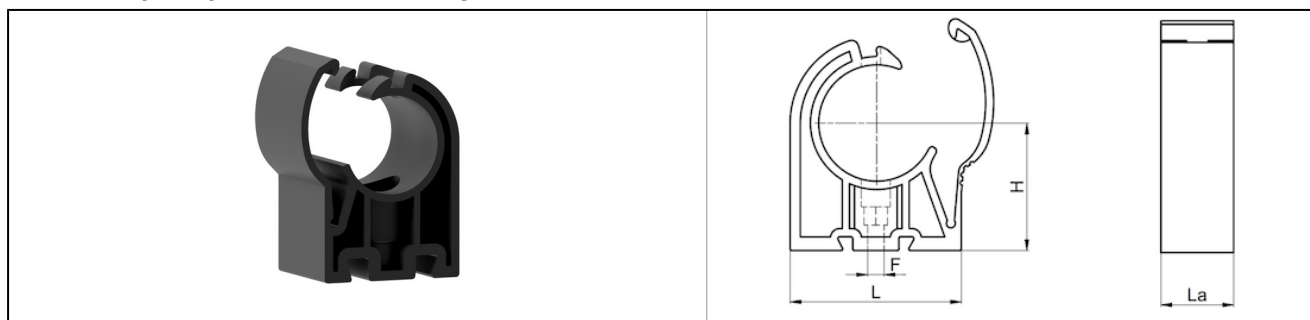
outside tube diameter D [mm]	weight [g]	material	type
16	70	aluminum	AL-16/14-BU-0000,5-R-01
20	100	aluminum	AL-20/17,4-BU-0000,5-R-01
25	130	aluminum	AL-25/22,2-BU-0000,5-R-01

flexible hose, pipe



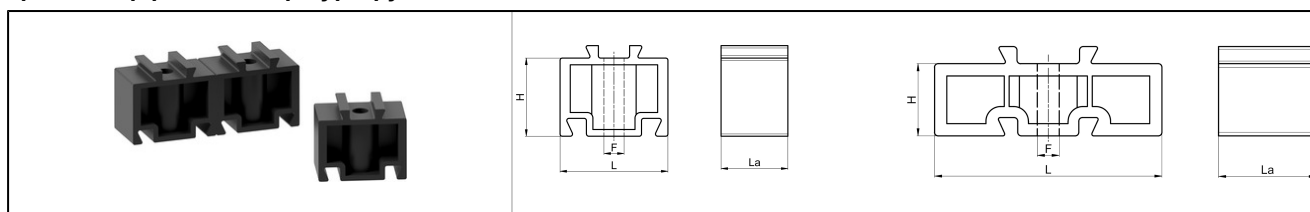
outside tube diameter D [mm]	L	r	weight [g]	material	type
20	800	120	810	aluminum	H0-20
25	820	150	925	aluminum	H0-25
32	960	190	1200	aluminum	H0-32
40	1200	230	1580	aluminum	H0-40
50	1430	300	3400	aluminum	H0-50
63	1650	390	4800	aluminum	H0-63

bracket, polypropylen, threaded bushing M8



outside tube diameter D [mm]	F	H	L	La	weight [g]	type
16	9	35	31	30	9	PB-16-E
20	9	35	31	30	20	PB-20-E
25	9	35	38	30	30	PB-25-E
32	9	35	49	30	70	PB-32-E
40	9	70	60	40	80	PB-40-E
50	9	70	75	40	85	PB-50-E
63	9	70	94	40	110	PB-63-E
80	9	100	120	49	250	PB-80-E
110	9	100	163	49	330	PB-110-E

spacer for pipe bracket, polypropylen



outside tube diameter D [mm]	F	H	L	La	weight [g]	type
16...32	9	35	49	30	19	SP-16-32-E
40...63	9	30	94	40	55	SP-40-63-E

illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice