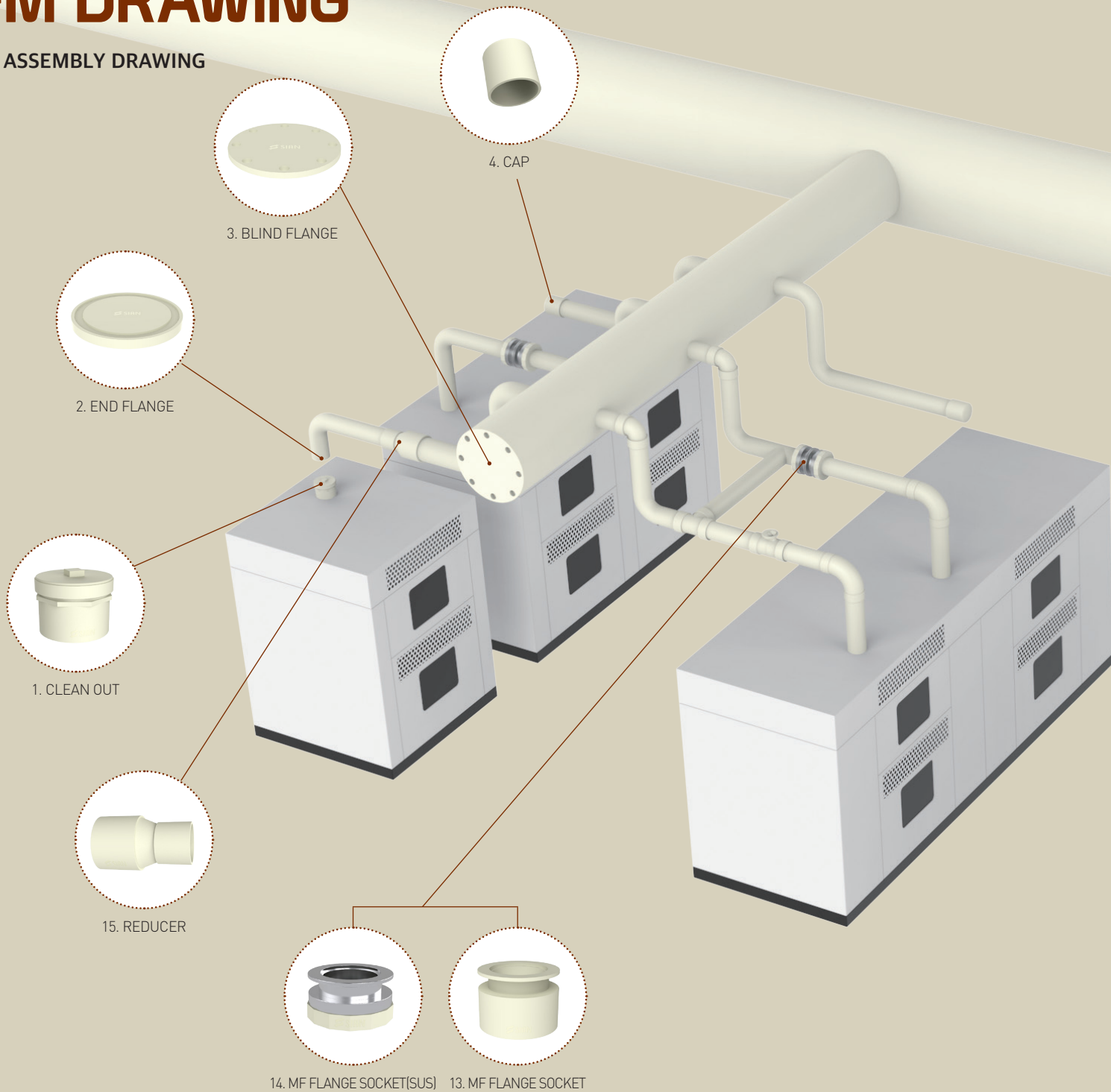


FM DRAWING

FM ASSEMBLY DRAWING

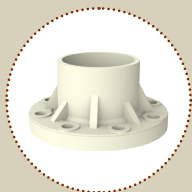


Included Products

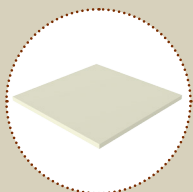
- 1. CLEAN OUT
- 2. END FLANGE
- 3. BLIND FLANGE
- 4. CAP
- 5. T/S FLANGE

- 6. END PLATE
- 7. IV PIPE
- 8. ELBOW
- 9. SOKET
- 10. LONG ELBOW

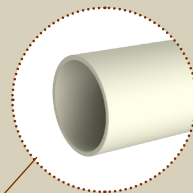
- 11. DAMPER
- 12. TEE
- 13. MF FLANGE SOCKET
- 14. MF FLANGE SOCKET(SUS)
- 15. REDUCER



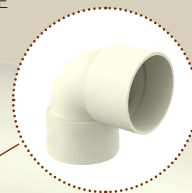
5. T/S FLANGE



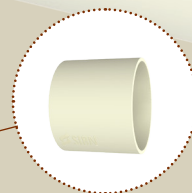
6. END PLATE



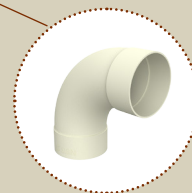
7. IV PIPE



8. ELBOW



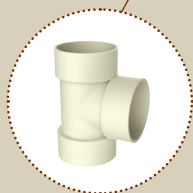
9. SOCKET



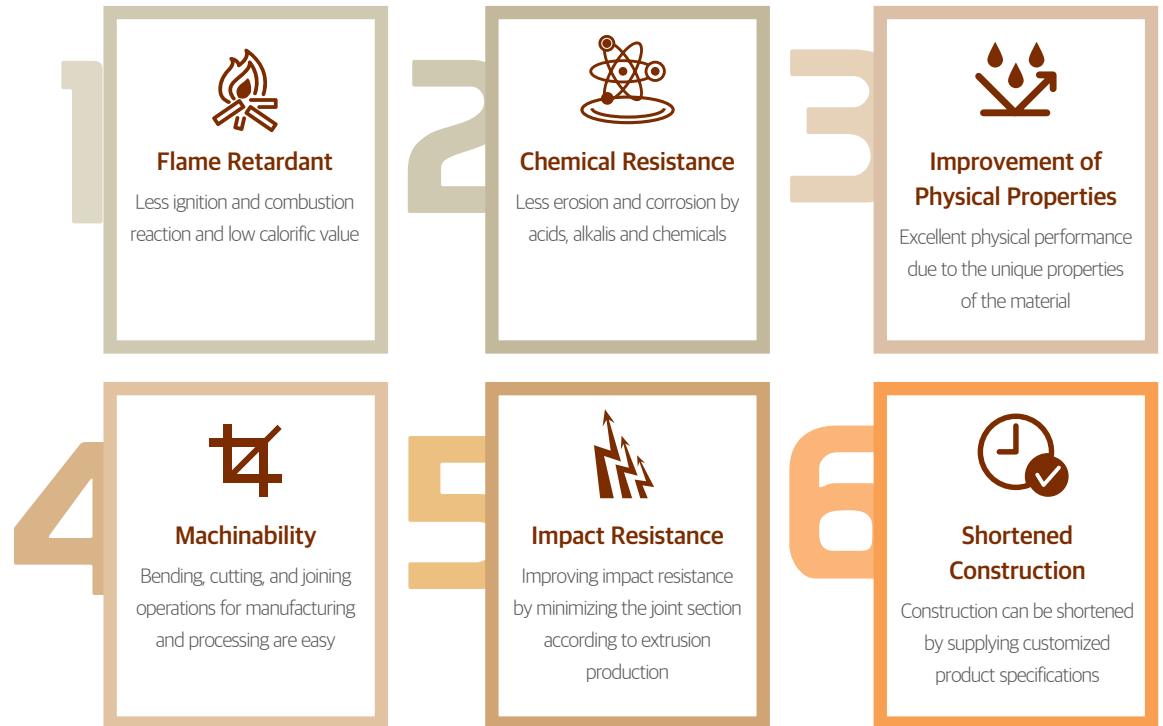
10. LONG ELBOW



11. DAMPER



12. TEE

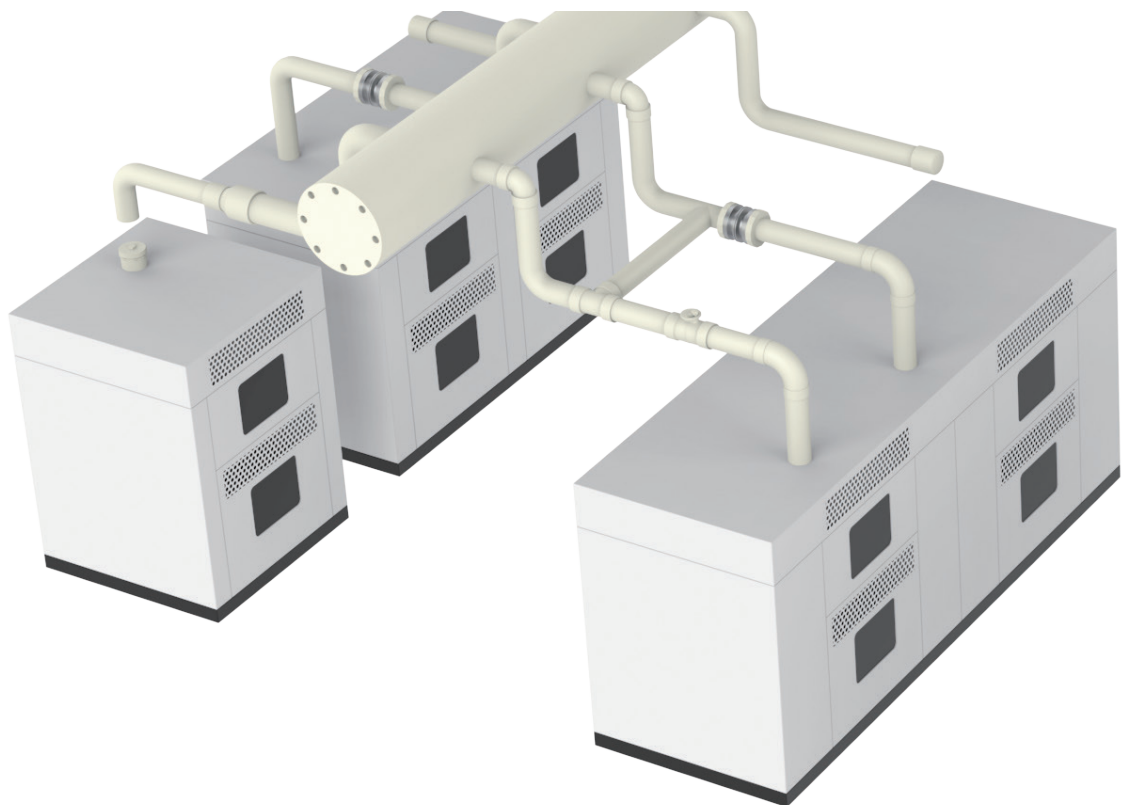
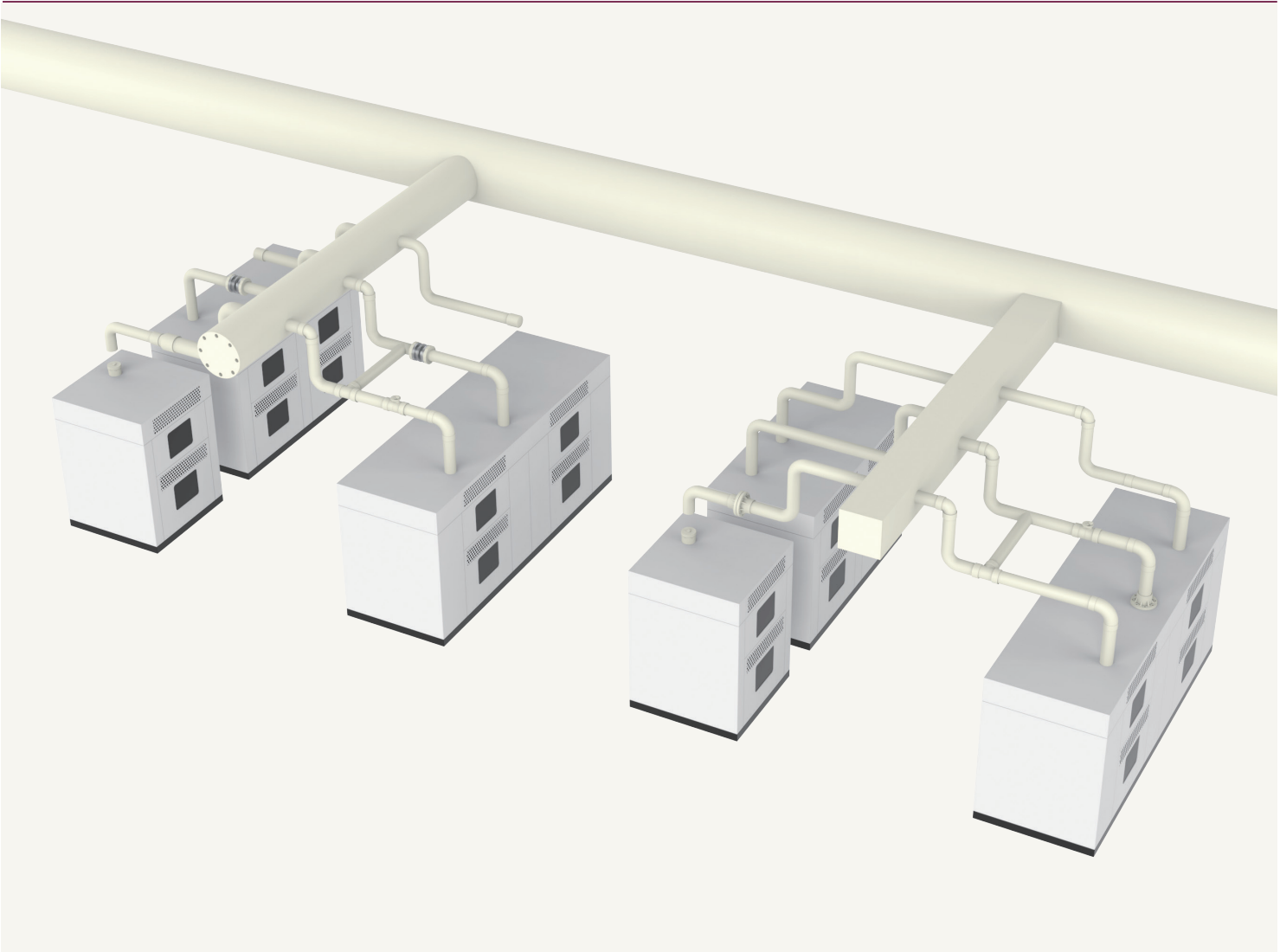


FM4922

What is FM 4922 Certification?

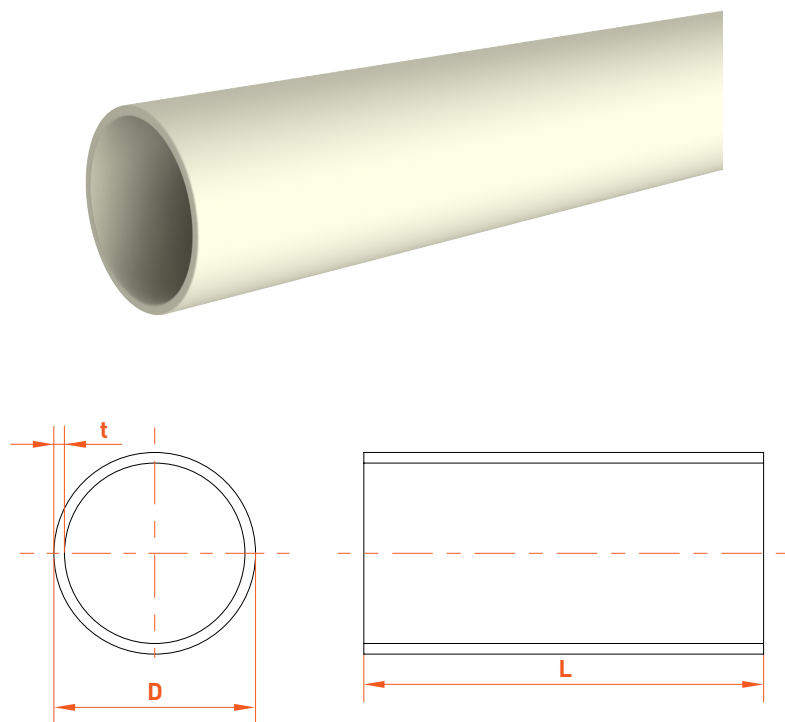
Certification for combustion and ignition tests of flame-retardant pvc ducts used in semiconductor cleanrooms





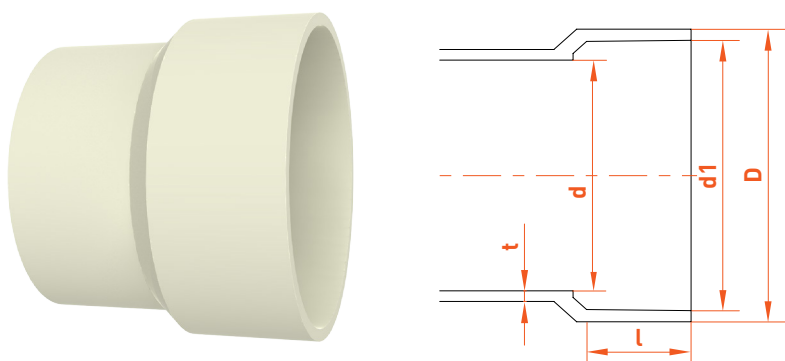
* Product specifications are managed within margin of error according to our quality control standards.

01 PIPE



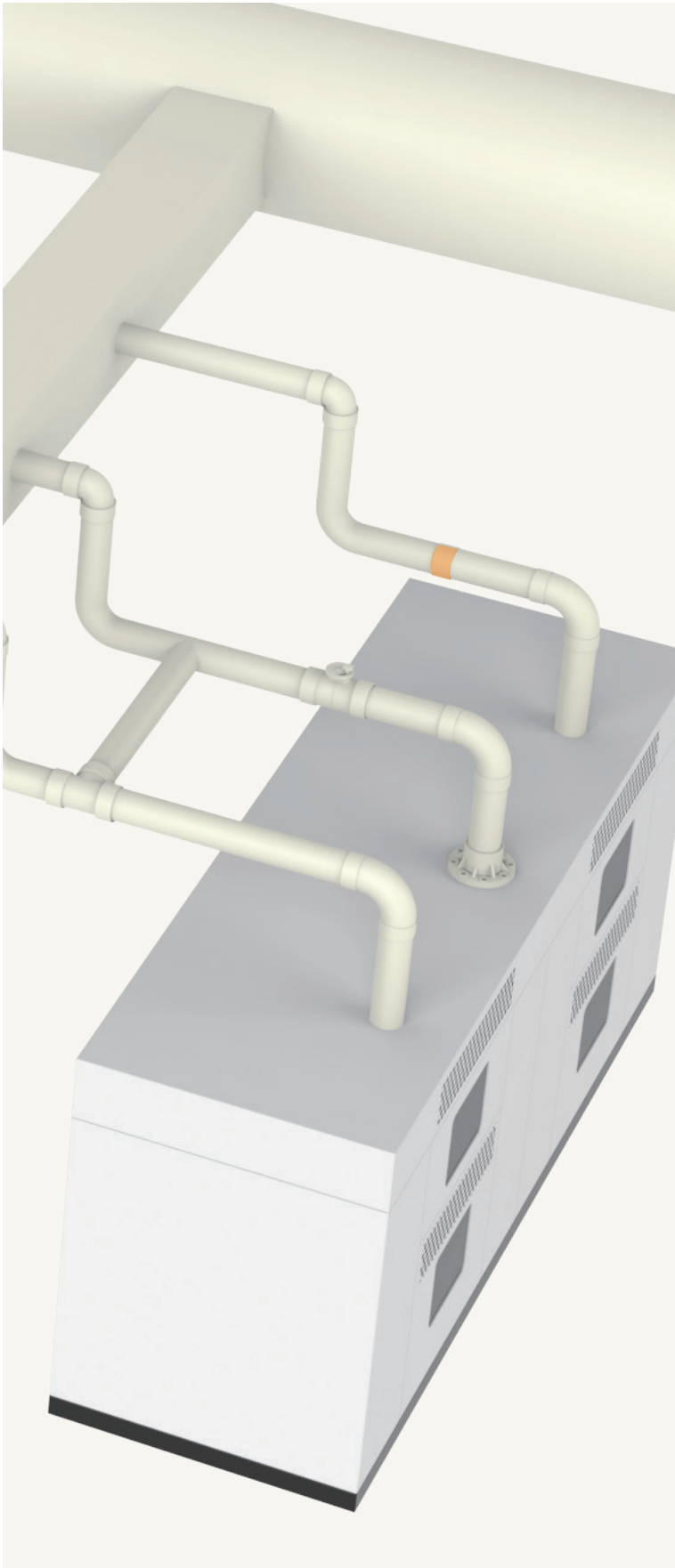
Extrusion			
(Units: mm)			
Diameter	D	t	L
25	32	3.1	4,000
30	38	3.1	4,000
40	48	3.6	4,000
50	60	4.1	4,000
65	76	4.1	4,000
75	89	5.5	4,000
100	114	6.0	4,000
125	140	6.0	4,000
150	165	6.0	4,000
200	216	6.0	4,000
250	267	6.0	4,000
300	318	6.0	3,000
350	355	6.0	3,000
400	400	6.0	3,000
450	450	6.0	3,000
500	500	6.0	3,000
550	560	6.0	3,000
600	600	6.0	3,000
650	650	6.0	3,000
700	700	6.0	3,000

02 JOINT DIMENSION

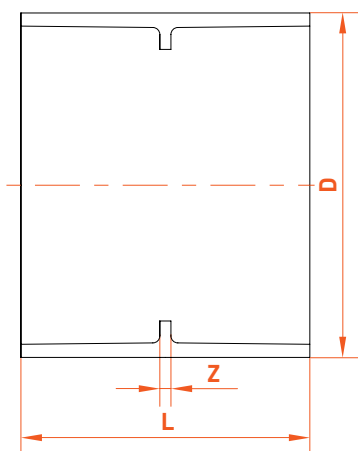


(Units: mm)					
Diameter	d1	l	t	d	D
40	48.3	22	2.7	40.0	54
50	60.4	25	3.1	51.0	67
65	76.4	35	3.1	67.0	83
75	89.5	40	3.6	77.2	97
100	114.6	50	4.5	98.8	124
125	140.7	65	5.4	125.0	152
150	165.9	80	6.3	145.8	179
200	217.3	115	5.5	200.0	227
250	268.5	135	6.0	240.0	280
300	319.5	155	7.2	286.0	335

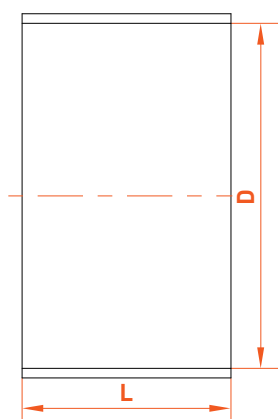
03 SOCKET



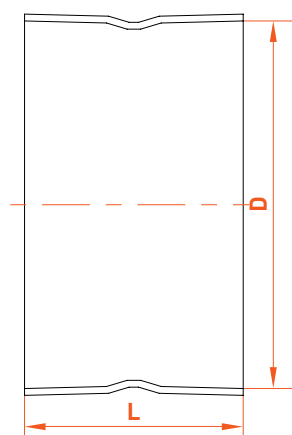
* Product specifications are managed within margin of error according to our quality control standards.



Injection				(Units: mm)
Diameter	D	L	Z	
25	40	84	3	
30	46	95	3	
40	57	117	3	
50	67	53	3	
65	83	73	3	
75	97	84	4	
100	124	104	4	
125	152	134	4	
150	179	164	4	
200	227	219	4	
250	280	280	4	
300	335	314	9	



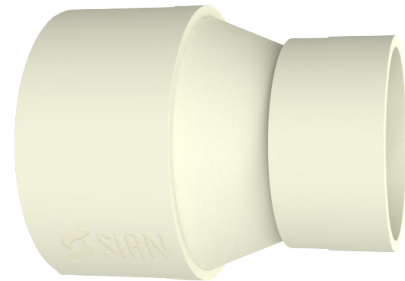
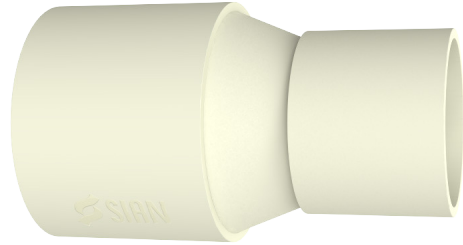
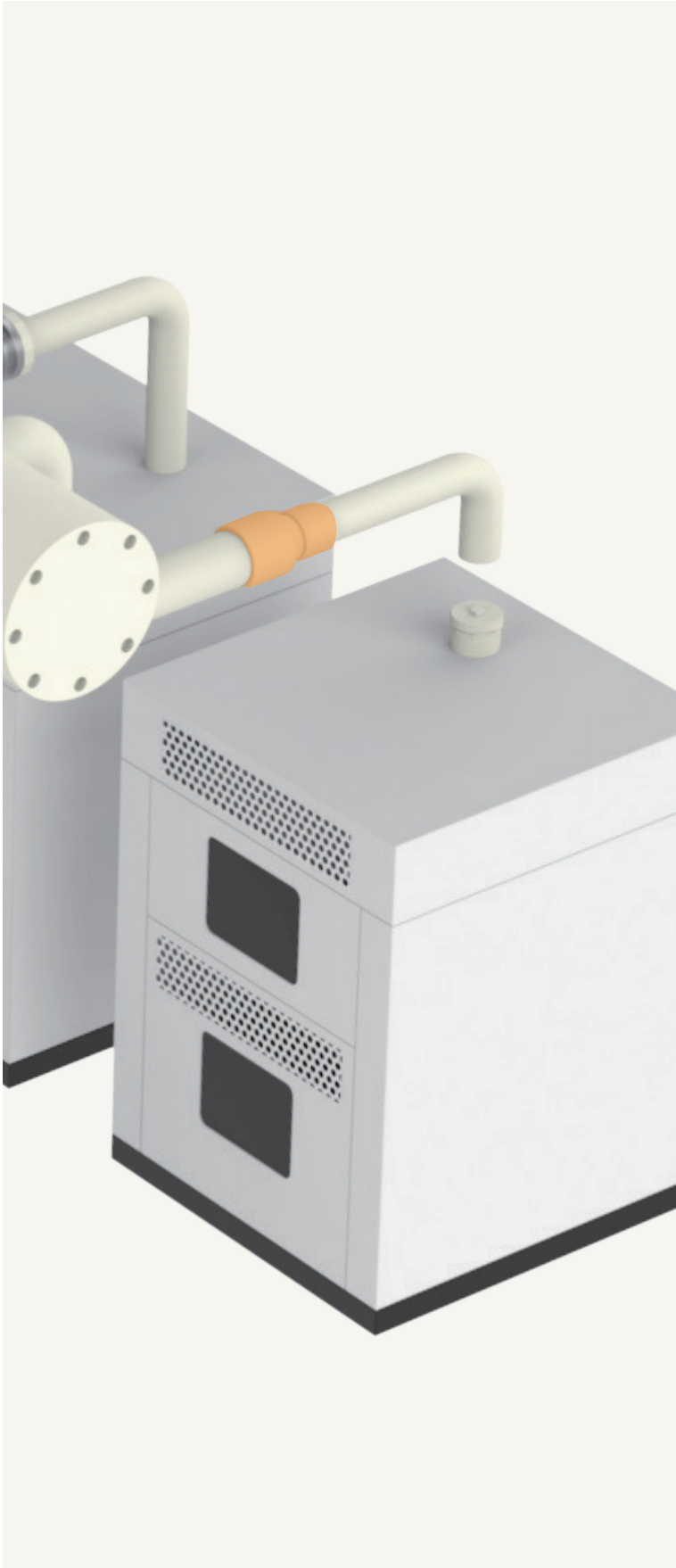
Extrusion	PIPE		(Units: mm)
Diameter	D	L	
300	320	150	
350	357	150	
400	402	150	
450	452	150	
500	502	150	
550	562	150	
600	602	150	
650	652	150	
700	702	150	

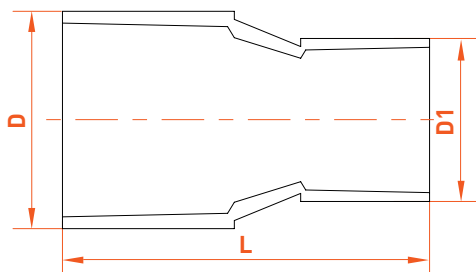


Manufacture	SLEEVE		(Units: mm)
Diameter	D	L	
300	320	170	
350	357	170	
400	402	170	
450	452	170	
500	502	200	
550	562	200	
600	602	200	
650	652	200	
700	702	200	

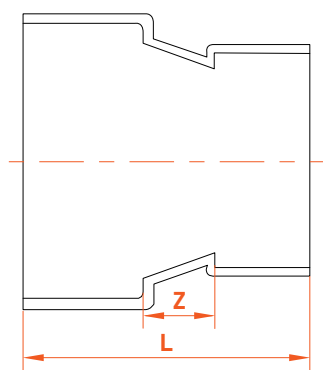
* Product specifications are managed within margin of error according to our quality control standards.

04 REDUCER

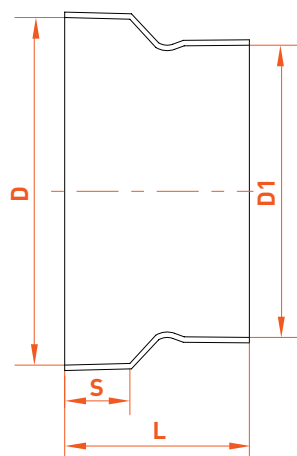




Injection	TYPE 1			(Units: mm)
Diameter	D	D1	L	
30X25	46	40	93	
40X25	57	40	114	
40X30	57	46	114	
50X25	70	40	131	
50X30	70	46	136	

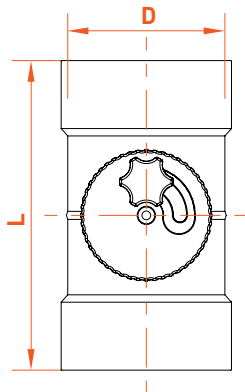


Injection	TYPE 2		(Units: mm)
Diameter	Z	L	
65 X 50	20	80	
75 X 50	25	90	
75 X 65	25	100	
100 X 50	30	105	
100 X 65	30	115	
100 X 75	30	120	
125 X 100	35	150	
150 X 100	40	170	
150 X 125	36	187	
200 X 100	42	196	
200 X 125	46	316	
200 X 150	53	229	
250 X 200	53	278	
300 X 200	65	314	

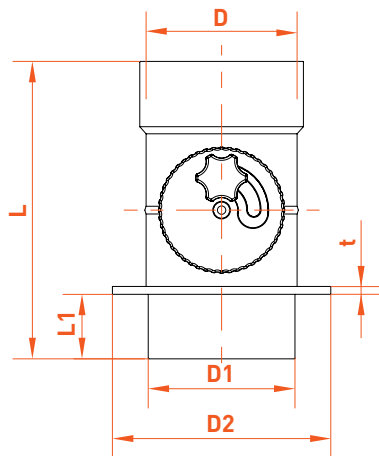


Manufacture	SLEEVE				(Units: mm)
Diameter	D	D1	L	S	
300 X 250	320	269	170	75	
350 X 300	357	320	180	75	
400 X 350	402	357	190	75	
450 X 400	452	402	190	75	
500 X 450	502	452	200	75	
550 X 500	562	502	210	80	
600 X 550	602	562	220	80	
650 X 600	652	602	220	80	
700 X 650	702	652	220	80	

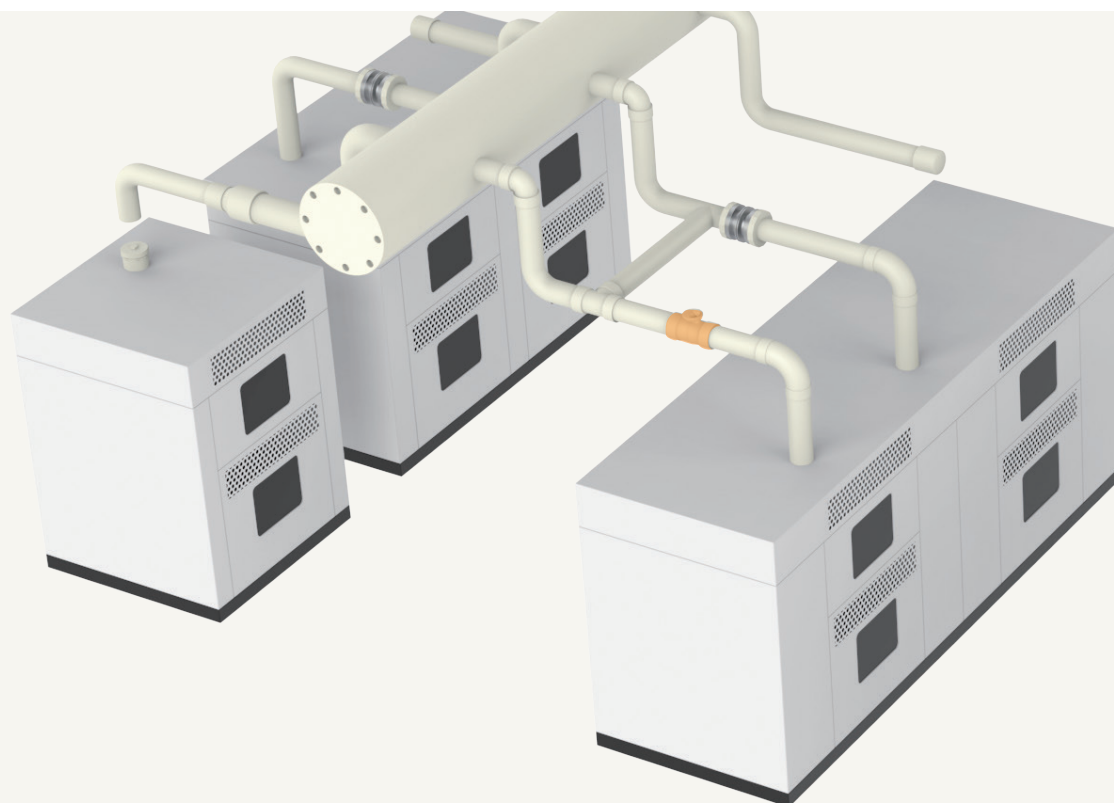
05 DAMPER



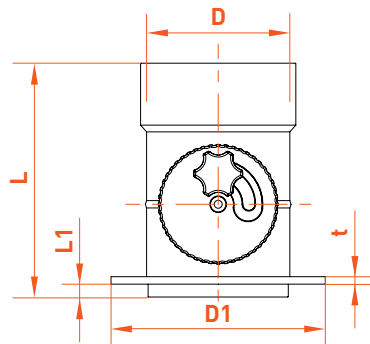
Injection Assembly		SOCKET	(Units: mm)
Diameter	L	D	
50	160	61	
100	231	115	
125	250	141	
150	271	166	
200	331	217	



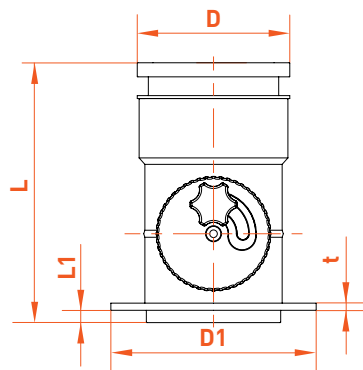
Injection Assembly		ROOF					(Units: mm)
Diameter	L	L1	D	D1	D2	t	
100	231	50	115	114	169	6	
125	250	57	141	140	202	6	
150	271	62	166	165	227	6	
200	331	74	217	215	278	6	



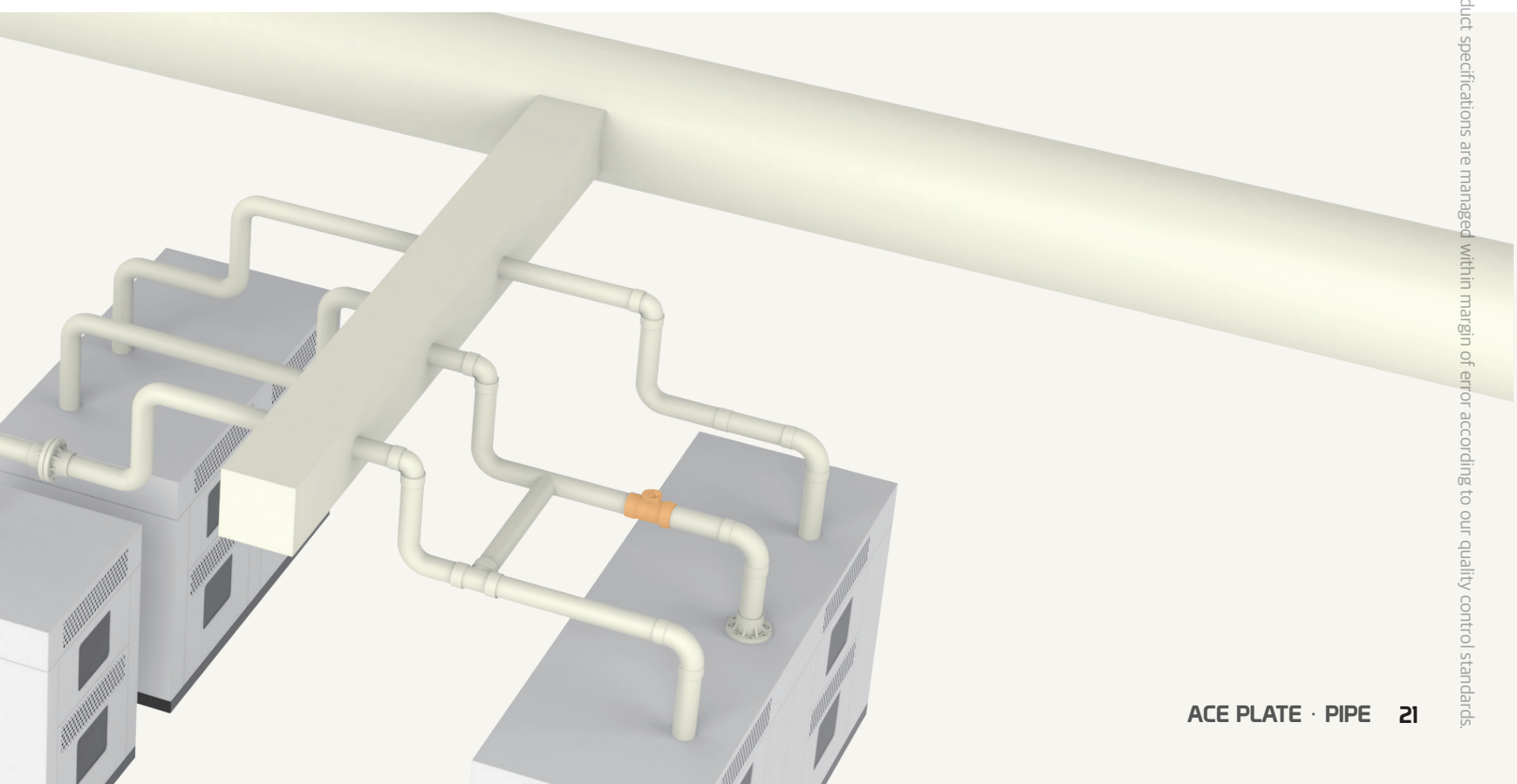
* Product specifications are managed within margin of error according to our quality control standards.



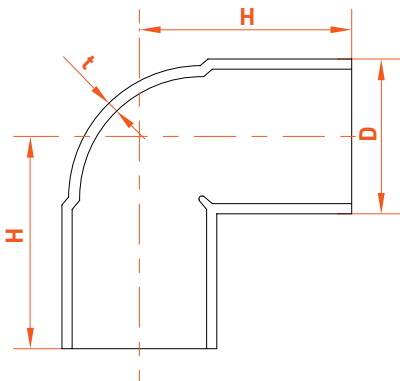
Injection Assembly			DUCT			(Units: mm)
Diameter	L	L1	D	D1	t	
100	195	10	115	175	6	
125	205	10	141	202	6	
150	220	10	166	227	6	
200	267	10	217	278	6	



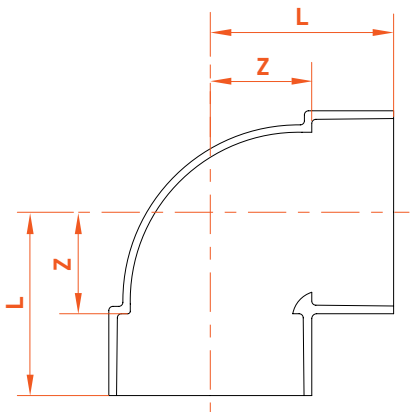
Injection Assembly			MF FLANGE			(Units: mm)
Diameter	L	L1	D	D1	t	
100	222	10	130	175	6	
150	252	10	180	227	6	
200	299	10	240	278	6	



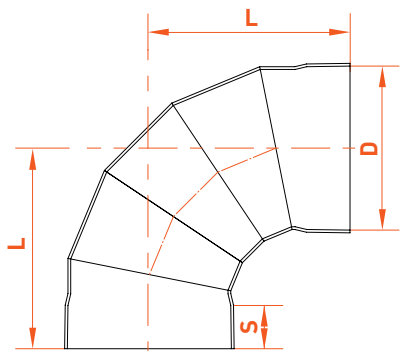
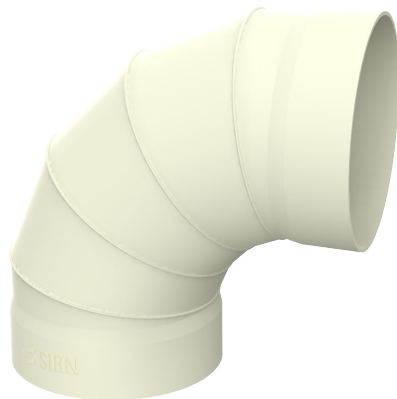
06 90° ELBOW



Injection	TYPE 1		(Units: mm)
Diameter	D	H	t
25	40	58	4.0
30	46	65	4.0



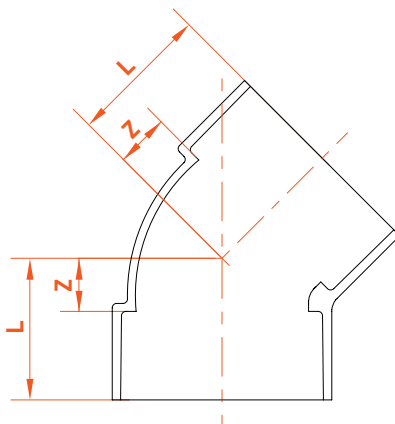
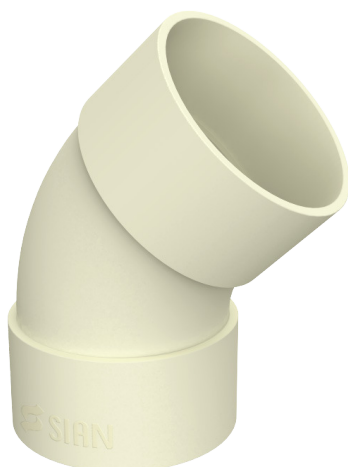
Injection	TYPE 2	(Units: mm)
Diameter	L	Z
40	49	27
50	58	33
65	77	42
75	88	48
100	112	62
125	140	75
150	168	88
200	232	126
250	268	138
300	314	164



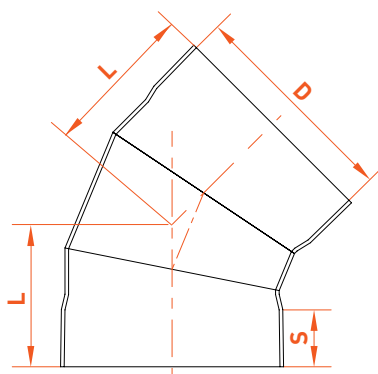
Manufacture	(Units: mm)		
Diameter	D	L	S
300	320	343	75
350	357	373	75
400	402	403	75
450	452	433	75
500	502	469	80
550	562	533	80
600	602	556	80
650	652	592	80
700	702	639	80

* Product specifications are managed within margin of error according to our quality control standards.

07 45° ELBOW

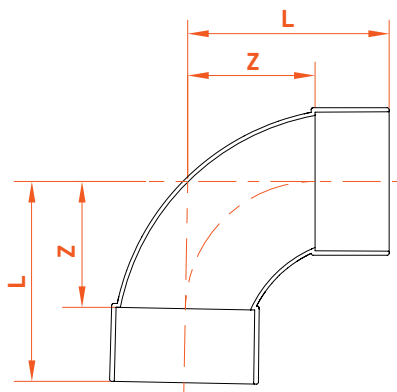


Injection			(Units: mm)
Diameter	L	Z	
50	43	18	
65	57	22	
75	65	25	
100	80	30	
125	103	38	
150	124	44	
200	179	57	
250	200	70	
300	325	74	



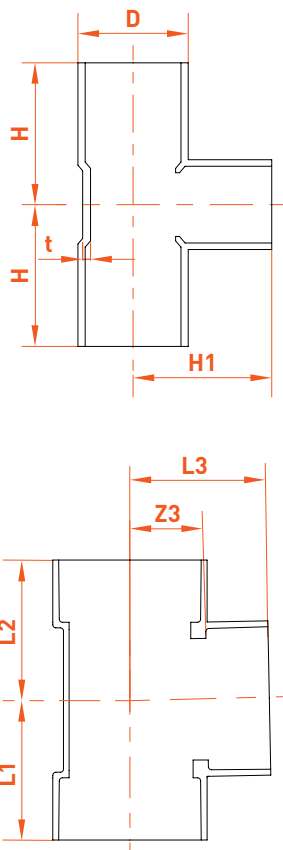
Manufacture				(Units: mm)
Diameter	D	L	S	
300	320	196	75	
350	357	199	75	
400	402	221	75	
450	452	240	75	
500	502	264	80	
550	562	300	80	
600	602	310	80	
650	652	327	80	
700	702	354	80	

08 LONG ELBOW



Injection			(Units: mm)
Diameter	L	Z	
100	170	120	
150	246	166	
200	310	195	

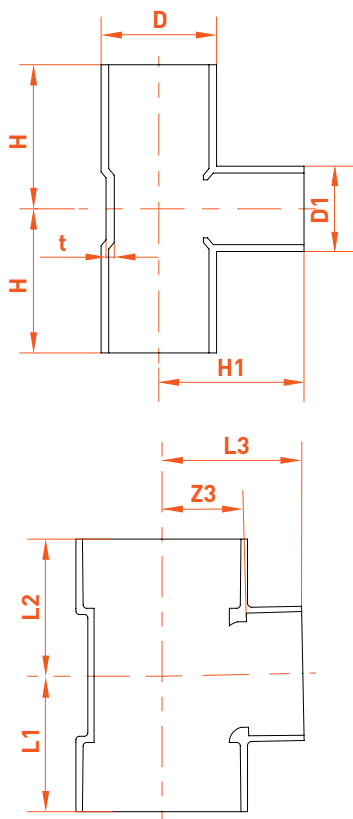
09 TEE



Injection	TYPE 1				(Units: mm)
Diameter	D	H	H1	t	
25	40	58	58	4.0	
30	46	65	65	4.0	
40	57	82	82	4.5	

Injection	TYPE 2				(Units: mm)
Diameter	L1	L2	L3	Z3	
50	59	59	59	34	
65	77	78	77	42	
75	88	89	88	48	
100	112	113	112	62	
125	140	141	140	75	
150	168	169	168	88	
200	214	215	214	109	
250	281	282	281	141	
300	318	319	318	168	

10 REDUCER TEE

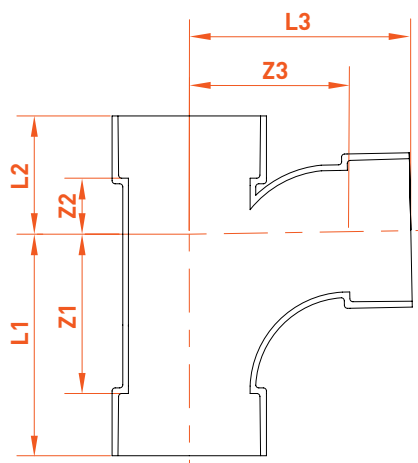


Injection	TYPE 1					(Units: mm)
Diameter	D	D1	H	H1	t	
30 X 25	46	40	62	61	4.0	
40 X 25	57	40	73	67	4.5	
40 X 30	57	46	76	71	4.5	
50 X 25	70	40	81	73	5.0	
50 X 30	70	46	84	77	5.0	
50 X 40	70	57	90	88	5.0	

Injection	TYPE 2				(Units: mm)
Diameter	L1	L2	L3	Z3	
75 X 50	74	75	73	48	
100 X 50	84	85	87	62	
100 X 75	98	99	102	62	
100 X 125	127	127	129	63	
125 X 100	126	127	130	80	

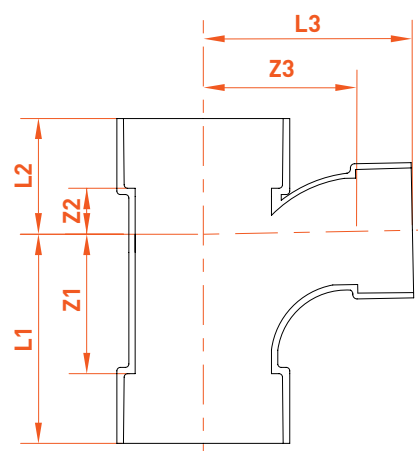
* Product specifications are managed within margin of error according to our quality control standards.

11 Y-TEE



Injection						
(Units: mm)						
Diameter	L1	L2	L3	Z1	Z2	Z3
50	91	51	91	66	26	66
65	125	68	125	90	33	90
75	140	70	140	100	30	100
100	178	95	178	128	45	128
125	212	131	212	148	66	148
150	245	154	232	165	74	165
200	285	210	291	185	110	185

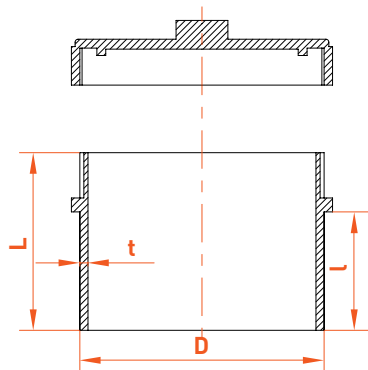
12 REDUCER Y-TEE



Injection						
(Units: mm)						
Diameter	L1	L2	L3	Z1	Z2	Z3
50 X 35	77	48	79	52	23	57
50 X 40	77	48	79	52	23	57
65 X 50	101	62	99	66	27	74
75 X 50	106	69	104	66	29	79
75 X 65	130	75	130	90	32	95
100 X 50	116	82	115	66	32	90
100 X 65	140	86	142	90	36	107
100 X 75	150	83	150	100	33	110
125 X 50	131	98	128	66	33	103
125 X 75	165	107	164	100	42	124
125 X 100	193	117	190	128	52	140
150 X 50	140	130	143	49	50	110
150 X 75	180	125	175	100	45	135
150 X 100	208	133	202	128	53	152
150 X 125	225	145	222	145	65	160
200 X 100	222	170	197	108	56	148
200 X 150	253	191	253	134	78	174

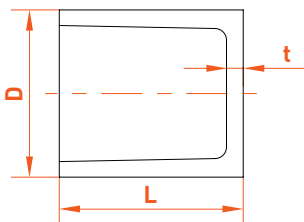
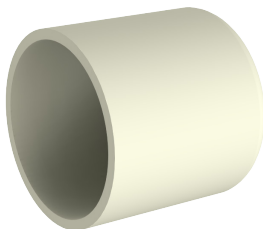
* Product specifications are managed within margin of error according to our quality control standards.

13 CLEAN OUT

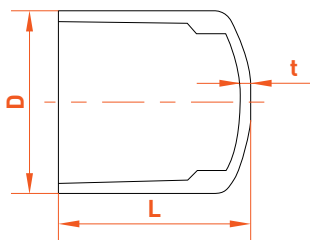


Injection				
(Units: mm)				
Diameter	D	L	l	t
50	60	47	26	2.0
65	76	62	36	2.6
75	89	71	41	3.0
100	114	84	52	3.5
125	140	99	62	4.5
150	165	120	80	5.5
200	216	170	105	8.0
250	266	145	130	8.5
300	318	162	144	8.5

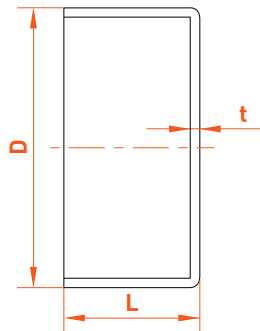
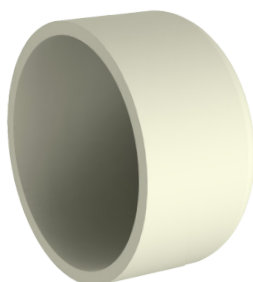
14 CAP



Injection	TYPE 1		
(Units: mm)			
Diameter	D	L	t
25	40	44	4.0
30	46	48	4.0
40	57	60	4.5
50	70	68	5.0



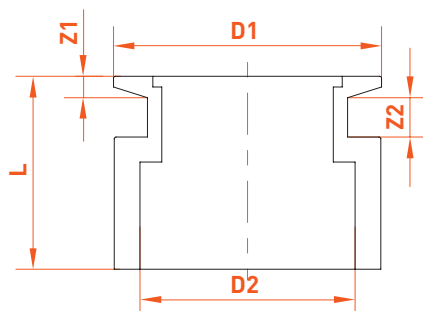
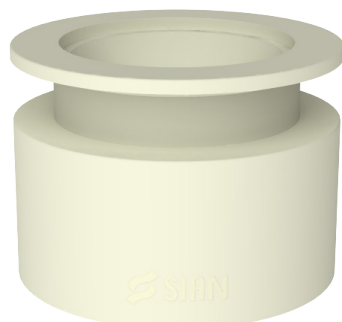
Injection	TYPE 2		
(Units: mm)			
Diameter	D	L	t
75	101	105	6.0
100	129	138	7.5



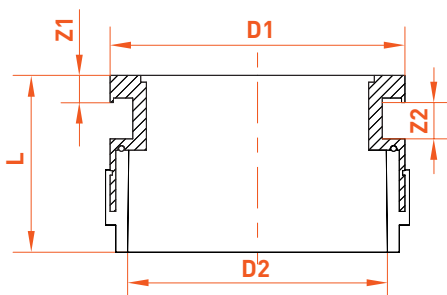
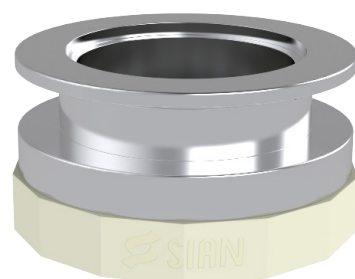
Injection	TYPE 3			(Units: mm)
Diameter	D	L	t	
125	140	74	5.6	
150	178	86	6.0	
200	232	112	6.1	

* Product specifications are managed within margin of error according to our quality control standards.

15 MF FLANGE SOCKET

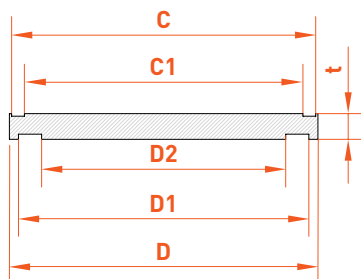


Injection (Units: mm)					
Diameter	D1	D2	L	Z1	Z2
50	75	60	54	6	11
100	130	115	78	12	16
150	180	166	88	12	16



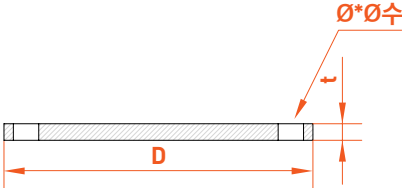
Injection SUS (Units: mm)					
Diameter	D1	D2	L	Z1	Z2
50	75	61	55	6	11
100	130	115	78	12	16
125	155	141	85	12	16
150	180	166	89	12	16
200	240	218	213	12	16

16 END FLANGE



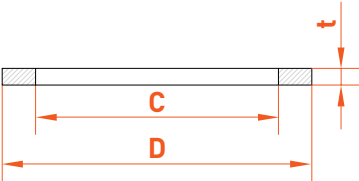
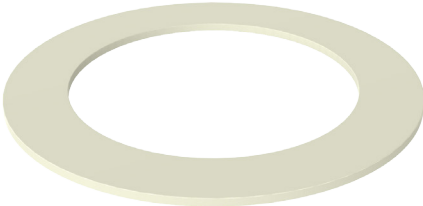
Machining (Units: mm)						
Diameter	D	D1	D2	C	C1	t
100	130	103	87	126	110	15
150	181	160	143	178	163	15

17 BLIND FLANGE



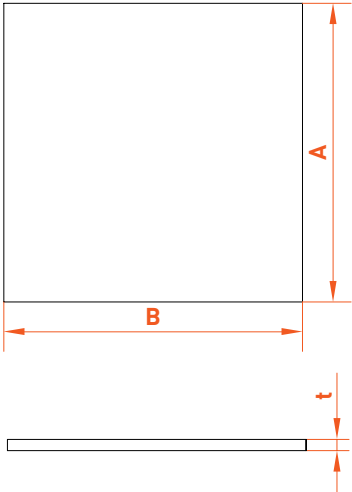
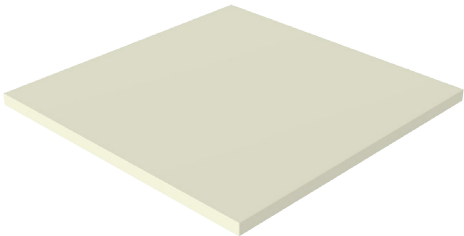
Machining			
(Units: mm)			
Diameter	D	Ø*Ø수	t
40	138	19*4	10 / 15
50	152	19*4	10 / 15
100	206	19*8	10 / 15
125	246	23*8	10 / 15
150	280	23*8	10 / 15
200	328	23*12	10 / 15
250	395	23*12	10 / 15
300	445	25*16	10 / 15

18 SLEEVE



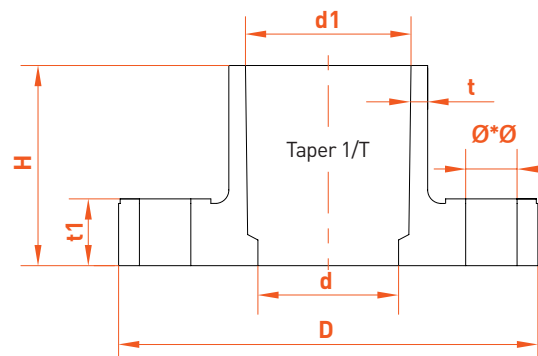
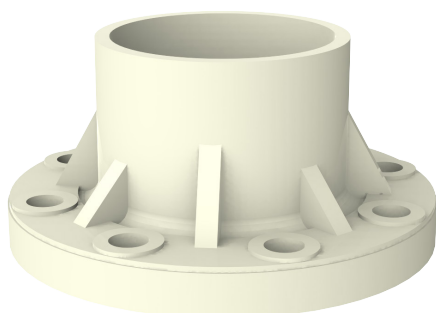
Machining			
(Units: mm)			
Diameter	D	C	t
50	121	60	6
65	137	76	6
75	150	89	6
100	175	115	6
125	201	141	6
150	227	166	6
200	278	218	6
250	330	270	6
300	379	319	6

19 END PLATE



Machining			
(Units: mm)			
Diameter	A	B	t
150	150	150	6
200	200	200	6
300	300	300	6
350	350	350	6

20 T/S FLANGE

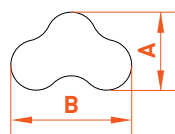
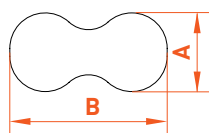
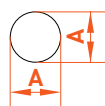
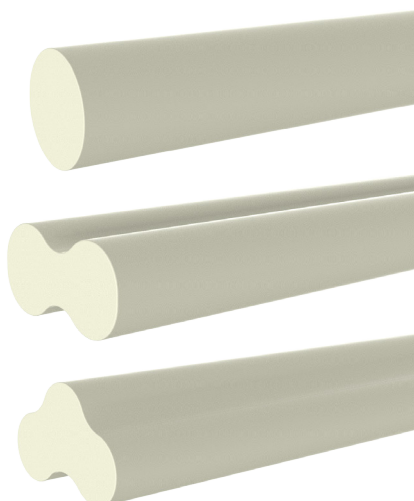


Injection

(Units: mm)

Diameter	d1	1/T	d(min)	D(min)	t	t1	Ø*Ø	H
			10k	10k	10k	10k		
40	48.6	1/37	40	138	5.5	17.5	19*4	61
50	60.8	1/37	51	152	6.0	21.5	19*4	71
65	77.2	1/41	67	173	6.0	23.5	20*4	78
75	89.8	1/43	81	183	7.0	24.0	19*8	79
100	115.0	1/44	100	206	7.5	25.0	19*8	101
125	141.2	1/45	126	246	8.0	26.0	23*8	118
150	166.5	1/45	147	280	10.0	28.5	23*8	145
200	218.3	1/50	197	328	10.0	30.5	23*12	149
250	269.8	1/50	247	395	12.0	30.5	23*12	162
300	319.2	1/50	296	441	13.0	32.5	25*16	163

21 WELDING ROD



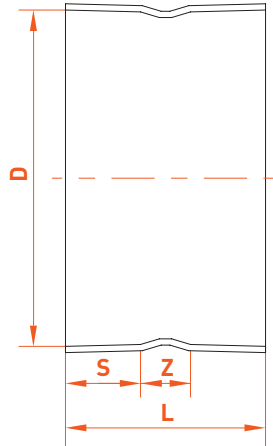
Extrusion

WH / IV

(Units: mm)

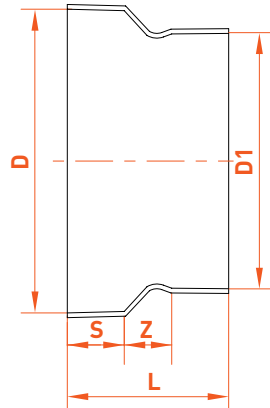
Appellation	A	B
Single	2.0 / 3.0	-
Double	3.0	6.0
Triple	3.0	5.0

03 SOCKET

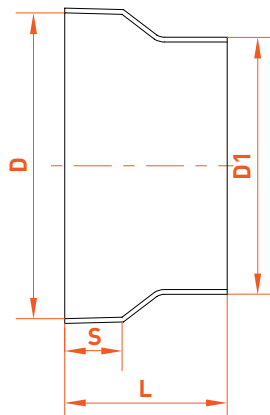


Manufacture	SLEEVE				(Units: mm)
Diameter	D	L	S	Z	
250	269	160	65	30	
300	320	170	70	30	
350	357	170	70	30	
400	402	170	70	30	
450	452	170	70	30	
500	502	200	80	40	
550	562	200	80	40	
600	602	200	80	40	
650	652	200	80	40	
700	702	200	80	40	

04 REDUCER



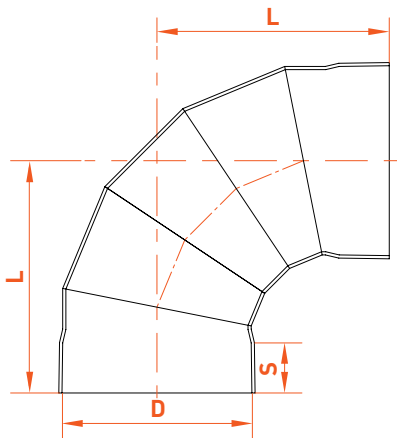
Manufacture	SLEEVE		1단계			(Units: mm)
Diameter	D	D1	L	S	Z	
300 X 250	320	269	180	60	40	
350 X 300	357	320	180	60	40	
400 X 350	402	357	190	65	40	
450 X 400	452	402	190	65	50	
500 X 450	502	452	200	70	50	
550 X 500	562	502	210	70	50	
600 X 550	602	562	220	70	60	
650 X 600	652	602	220	70	60	
700 X 650	702	652	220	70	60	



Manufacture	SLEEVE		N단계			(Units: mm)
Diameter	D	D1	L	S		
400 X 300	402	318	190	60		
500 X 400	502	400	200	60		
600 X 500	602	500	220	70		
700 X 600	702	600	240	70		

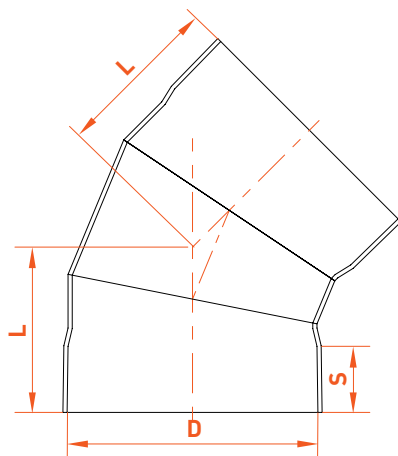
* Product specifications are managed within margin of error according to our quality control standards.

05 90° ELBOW



Manufacture			
(Units: mm)			
Diameter	D	L	S
250	269	316	60
300	320	358	70
350	357	373	70
400	402	403	70
450	452	433	70
500	502	469	80
550	562	533	80
600	602	556	80
650	652	592	80
700	702	639	80

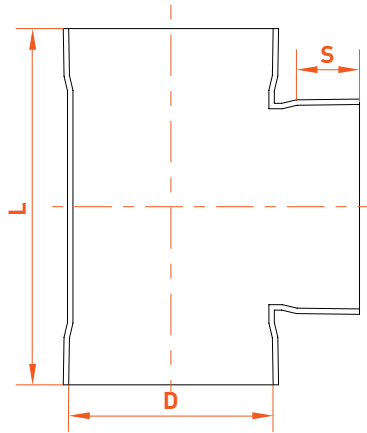
06 45° ELBOW



Manufacture			
(Units: mm)			
Diameter	D	L	S
250	269	178	60
300	320	196	70
350	357	199	70
400	402	221	70
450	452	240	70
500	502	264	80
550	562	300	80
600	602	310	80
650	652	327	80
700	702	354	80

* Product specifications are managed within margin of error according to our quality control standards.

07 TEE

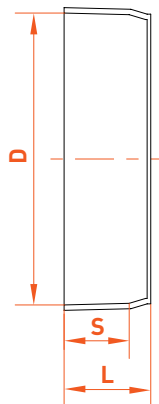
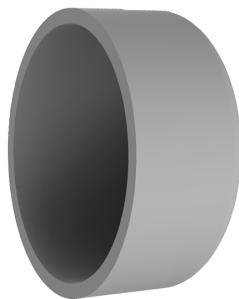


Manufacture

(Units: mm)

Diameter	D	L	S
250	269	480	60
300	320	530	70
350	357	610	70
400	402	610	70
450	452	650	70
500	502	730	80
550	562	830	80
600	602	800	80
650	652	860	80
700	702	910	80

08 CAP



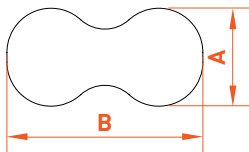
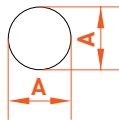
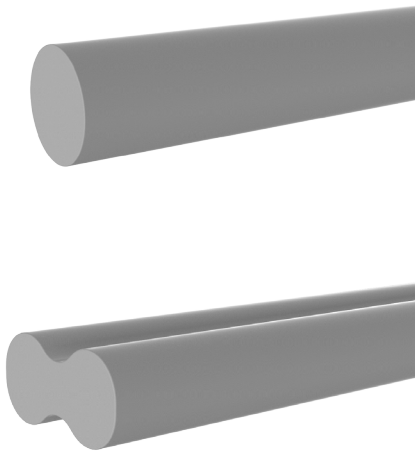
Manufacture

(Units: mm)

Diameter	D	L	S
250	269	85	60
300	320	95	70
350	357	95	70
400	402	95	70
450	452	95	70
500	502	100	80
550	562	105	80
600	602	105	80
650	652	105	80
700	702	110	80

* Product specifications are managed within margin of error according to our quality control standards.

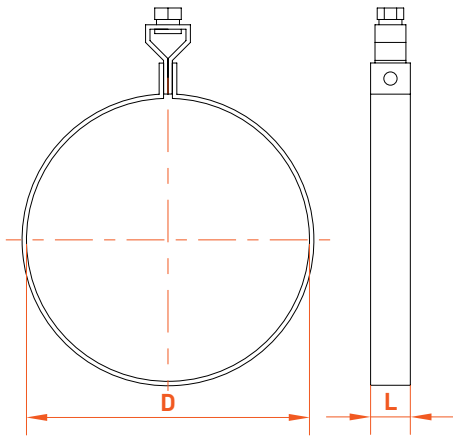
09 WELDING ROD



Extrusion	GR / IV	
Appellation	A	B
Single	3.0	-
Double	2.5 / 2.8 / 3.0	6.0

(Units: mm)

10 HANGER

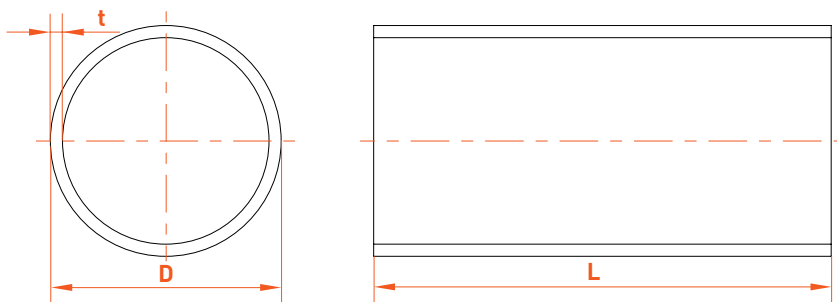
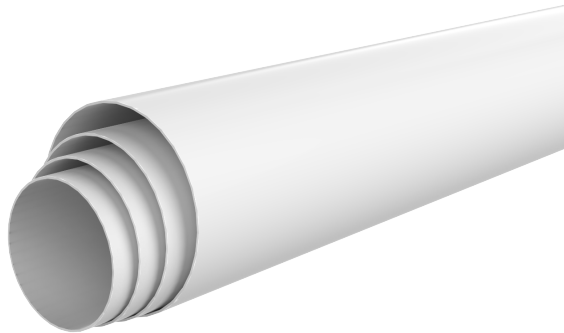


Manufacture		
Diameter	D	L
250	269	45
300	320	45
350	357	45
400	402	45
450	452	45
500	502	45
550	562	45
600	602	45
650	652	45
700	702	45

(Units: mm)

* Product specifications are managed within margin of error according to our quality control standards.

11 DC PIPE

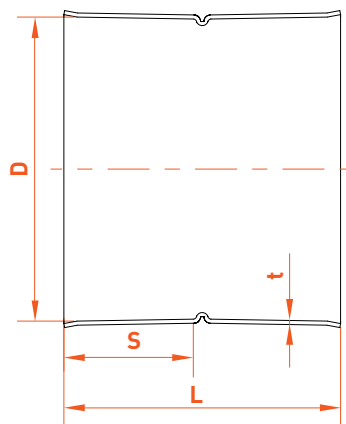


Extrusion

(Units: mm)

Diameter	D	t	L
450	450	7.0	6,200
500	500	7.5	6,200
550	560	8.0	6,200
650	650	8.5	6,200

12 DC SOCKET



Machining

(Units: mm)

Diameter	D	L	S	t
400	466	425	202	7.0
450	521	510	245	7.5
500	569	620	300	8.0
600	685	650	315	8.5



Secures quality stability by fully automatic injection molding machine and serves as a logistics base according to geographical advantages

Main Products

- FM 4922(Sian PVC Duct)
- Rigid Polyvinyl Chloride PIPE(KS M 3404)
- Coextruded poly(vinyl chloride)(PVC) Plastic PIPE(KS M 3413)
- Rigid Polyvinyl Chloride Conduit(KS C 8431)
- Low Noise Echo Triple PIPE(N Free)
- Rigid Polyvinyl Chloride Fittings(KS M 3410)
- Srf Fastening Fittings, Srf Ring Type Fittings

Features of Siansupra Injection Machine

Improving quality and productivity through a fully automatic system



380 TON



470 TON



650 TON

**SIAN SUPRA
Product
Example**

