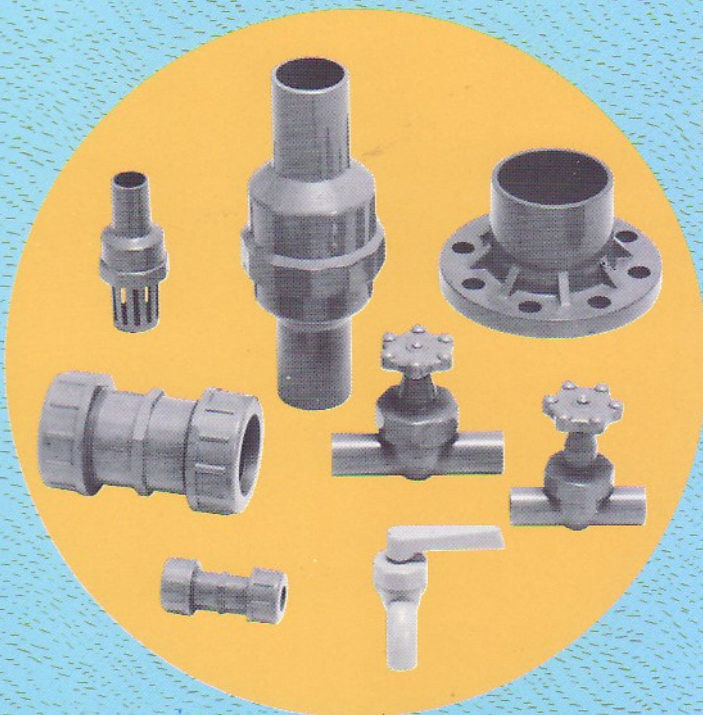
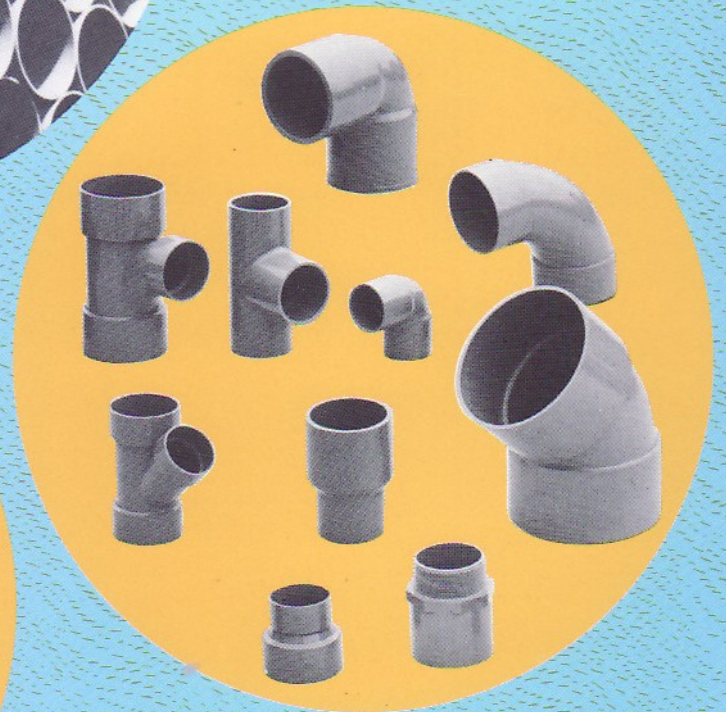
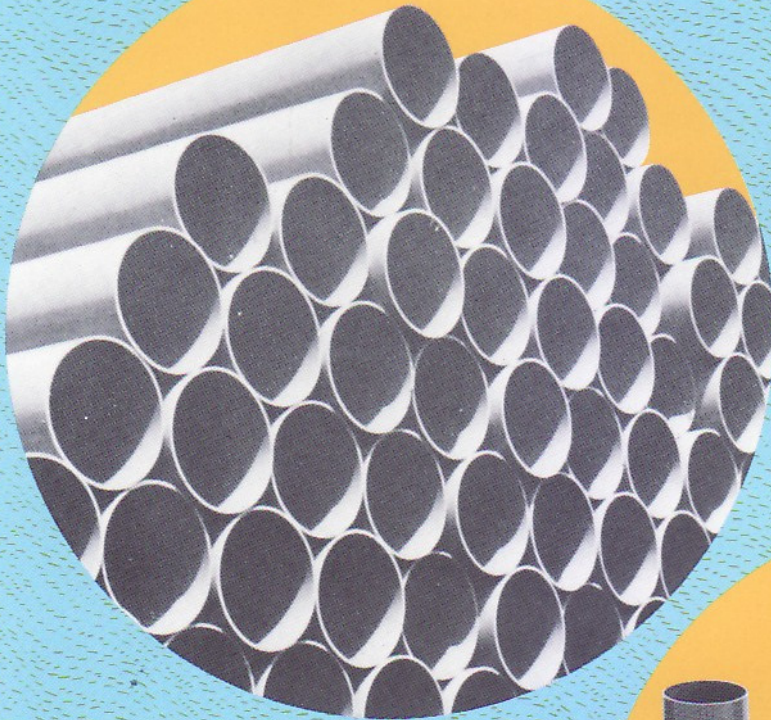


ARON PIPE & FITTINGS

RIGID POLYVINYL CHLORIDE



ARONKASEI CO., LTD.

FORWARD:

ARON PIPE is an unplasticized polyvinyl chloride pipe which was manufactured and marketed by TOA JYUSHI KOGYO CO.,LTD. in 1951 for the first time in Japan.

Thanks to its superior quality in corrosion resistance and durability, thus favouring users economically, its sales volume has been remarkably increasing for past thirty years. During its course of expansion through a merge with TERAOKA PLASTIC MFG. CO.,LTD., which was a manufacturer of pipe fittings among others, the name of the company has been changed to ARON KASEI CO., LTD. as we are called now.

Along with the development of plastic industries, the Japanese Government has established various JIS standards, such as:

JIS K 6741 general purpose pipe 1954

JIS K 6742 water service pipe 1956

JIS K 6739 fitting for drain pipe 1972

and successively being awarded for these Standards, ARON's plants have also been qualified as factories of JIS approved PVC pipe and fittings.

ARON KASEI also manufactures other types of pipe and fittings. Among these types are:

ARON Pipe VPR-NA (rubber ring type rigid PVC pipe for water way)

ARON HI Pipe (high shock resistance)

ARON Pipe & ARON EGG-SHAPED Pipe (sewage use)

ARON Pipe (agriculture purpose)

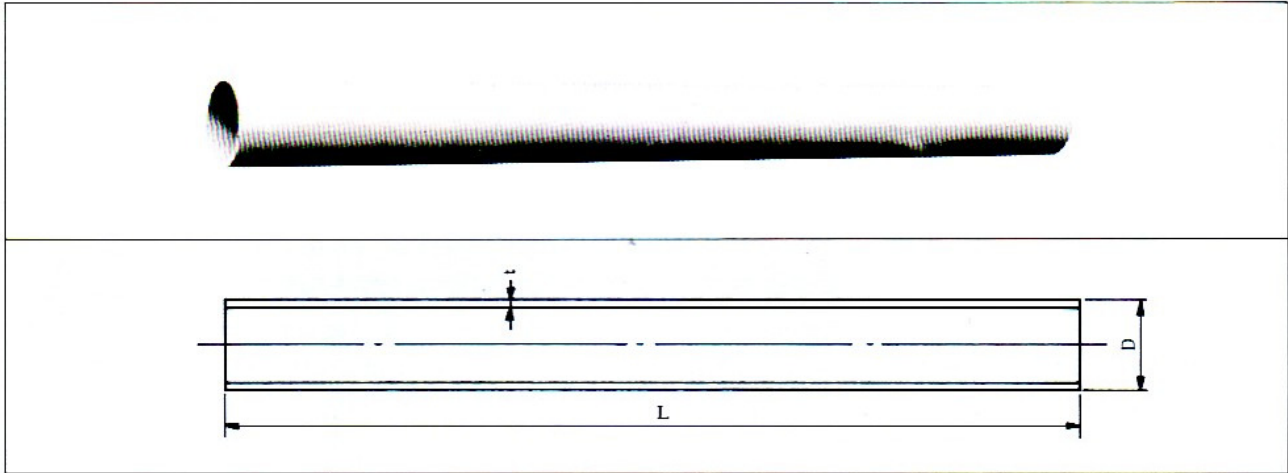
ARON Perforated Pipe

ARON FT Fittings, etc.

All ARON products are manufactured under strict quality control to meet every JIS requirement. Furthermore, ARON products are so designed to suit easy and economical application that they are favoured very much by patronage from users of every field of industries both in Japan and abroad.



STANDARD SIZES OF ARON PIPE



1 VP GENERAL PURPOSE PIPE (JIS K 6741)

Unit : mm

Nominal dia.	Outer diameter			Thickness		Approx. inner dia.	Reference Weight (g/m)
	Basic size	Tolerance of max. & min. dia.	Ave. Outer dia. Tolerance	Min. size	Tolerance		
13	18	±0.2	±0.2	2.2	+0.6	13	174
16	22	±0.2	±0.2	2.7	+0.6	16	256
20	26	±0.2	+0.2	2.7	+0.6	20	310
25	32	±0.2	±0.2	3.1	+0.8	25	448
30	38	±0.3	±0.2	3.1	+0.8	31	542
40	48	±0.3	±0.2	3.6	+0.8	40	791
50	60	±0.4	±0.2	4.1	+0.8	51	1,122
65	76	±0.5	±0.3	4.1	+0.8	67	1,445
75	89	±0.5	±0.3	5.5	+0.8	77	2,202
100	114	±0.6	±0.4	6.6	+1.0	100	3,409
125	140	±0.8	±0.5	7.0	+1.0	125	4,464
150	165	±1.0	±0.6	8.9	+1.4	146	6,701
200	216	±1.3	±0.8	10.3	+1.4	194	10,129
250	267	±1.6	±1.0	12.7	+1.8	240	15,481
300	318	±1.9	±1.1	15.1	+2.2	286	21,962

- Notes : 1. Length of pipe : 4000±10mm. Extra Length 6000±10mm is available for nominal diameter 75mm and larger.
 2. 50 meter long coil is available for nominal diameter 13 to 20mm

2 VU DRAIN & GENERAL PURPOSE PIPE (JIS K 6741)

Unit : mm

Nominal dia.	Outer diameter			Thickness		Approx. inner dia.	Reference weight (g/m)
	Basic size	Tolerance of average diameter	Min. size	Tolerance			
40	48	±0.2	1.8	+0.4	44	413	
50	60	±0.2	1.8	+0.4	56	521	
65	76	±0.3	2.2	+0.6	71	825	
75	89	±0.3	2.7	+0.6	83	1,159	
100	114	±0.4	3.1	+0.8	107	1,737	
125	140	±0.5	4.1	+0.8	131	2,739	
150	165	±0.6	5.1	+0.8	154	3,941	
200	216	±0.8	6.5	+1.0	202	6,572	
250	267	±1.0	7.8	+1.2	250	9,758	
300	318	±1.1	9.2	+1.4	298	13,701	
350	370	±1.3	10.5	+1.4	348	18,051	
400	420	±1.5	11.8	+1.6	395	23,059	
450	470	±1.7	13.2	+1.8	442	28,875	
500	520	±1.9	14.6	+2.0	489	35,346	
600	630	±3.2	17.8	+2.8	592	52,679	

- Notes : 1. Length of pipe : 4000±10mm. Extra Length 6000±10mm is available for nominal diameter 75mm and larger.

3 VP WATER SERVICE PIPE (JIS K 6742)

Unit : mm

Nominal dia.	Outer dia.		Thickness		Approx. inner dia.	Reference weight (g/m)
	Basic size	Tolerance	Basic size	Tolerance		
13	18	±0.2	2.5	±0.2	13	174
□ 16	22	±0.2	3.0	±0.3	16	256
20	26	±0.2	3.0	±0.3	20	310
25	32	±0.3	3.5	±0.3	25	448
30	38	±0.3	3.5	±0.3	31	542
40	48	±0.4	4.0	±0.4	40	791
50	60	±0.5	4.5	±0.4	51	1,122
□ 65	76	±0.5	4.5	±0.4	67	1,445
75	89	±0.5	5.9	±0.4	77	2,202
100	114	±0.6	7.1	±0.5	100	3,409
□ 125	140	±0.8	7.5	±0.6	125	4,464
150	165	±1.0	9.6	±0.7	146	6,701

- Notes : 1. The mark □ represents AS 20 specification.
2. Length of pipe : 4000^{+30}_{-10} mm. Extra Length 5000^{+30}_{-10} mm is available for nominal diameter 40 and larger.

4 VE ELECTRIC WIRE CONDUIT (JIS C 8430) (▽ 24)

Unit : mm

Nominal dia.	Outer dia.		Thickness		Approx. inner dia.	Reference weight (g/m)
	Basic size	Tolerance	Basic size	Tolerance		
14	18	±0.20	2.0	±0.2	14	144
16	22	±0.20	2.0	±0.2	18	180
22	26	±0.25	2.0	±0.2	22	216
28	34	±0.30	3.0	±0.3	28	418
36	42	±0.35	3.5	±0.4	35	605
42	48	±0.40	4.0	±0.4	40	791
54	60	±0.50	4.5	±0.4	51	1,122
70	76	±0.50	4.5	±0.4	67	1,445
82	89	±0.50	5.9	±0.4	77	2,202

Note : Length of pipe : 4000 ± 10 mm.

5 SU THIN WALL PIPE

Unit : mm

Nominal dia.	Outer dia.		Thickness		Approx. inner dia.	Reference weight (g/m)
	Basic size	Tolerance	Basic size	Tolerance		
25 × 28	28	±0.3	1.5	±0.2	25	179
32 × 35	35	±0.3	1.5	±0.2	32	226
50 × 54	54	±0.4	2.0	±0.2	50	467
63 × 68	68	±0.5	2.5	±0.3	63	736
75 × 80	80	±0.5	2.5	±0.3	75	870
100 × 106	106	±0.6	3.0	±0.3	100	1,388
125 × 134	134	±0.8	4.5	±0.4	125	1,618

Note : Length of pipe : 4000 ± 10 mm.

6 VA CONVENTIONAL VP PIPE

Unit : mm

Nominal dia.	Outer dia.		Thickness		Approx. inner dia.	Reference weight (g/m)
	Basic size	Tolerance	Basic size	Tolerance		
196 × 216	216	±1.8	10	±0.8	196	9,254
247 × 267	267	±2.2	10	±0.8	247	11,544

Note : Length of pipe : 4000 ± 10 mm.

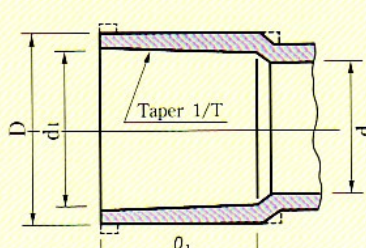


ARON U-PVC FITTINGS

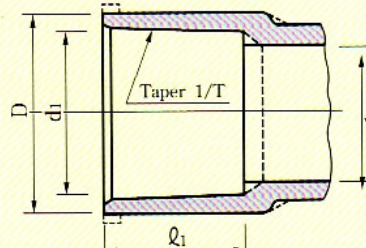


ARONKASEI CO., LTD.

BASIC DIMENSIONS OF TAPER SLEEVE



Nominal Size 13mm~50mm



Nominal Size 65mm~150mm

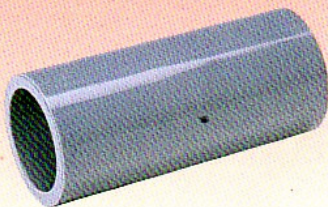
Nominal size	d	d ₁	D	t	Q ₁	1/T
13	13	18.40±0.20	24	3.0	26	1/30
※ 16	16	22.40±0.20	29	3.5	30	1/34
20	20	26.45±0.20	33	3.5	35	1/34
25	25	32.55±0.25	40	4.0	40	1/34
※ 28	28	34.55±0.25	42	4.0	40	1/34
30	31	38.60±0.25	46	4.0	44	1/34
※ 35	35	42.60±0.25	51	4.5	44	1/34
40	40	48.70±0.30	57	4.5	55	1/37
50	51	60.80±0.30	70	5.0	63	1/37
※ 65	67	76.60±0.30	86	6.6	61	1/48
75	77	89.60±0.30	102	8.0	64	1/49
100	100	114.70±0.30	130	10.0	84	1/56
※ 125	125	140.80±0.40	156	11.0	104	1/58
150	146	166.00±0.40	186	13.0	132	1/63
※ 200	196	217.00±1.00	236	10.0	145	1/50
※ 250	247	269.00±1.50	287	10.0	155	1/63
※ 300	298	320.00±1.80	337	10.0	175	1/63

Unit : mm

※ARON Standards

TS SOCKET

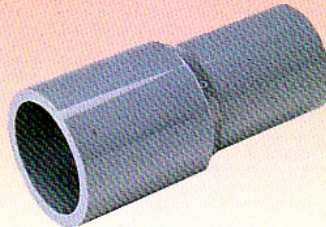
TS-S



Nominal size
13
16 ※
20
25
28 ※
30
35 ※
40
50
65 ※
75
100
125 ※
150
200 ※
250 ※
300 ※

TS REDUCING SOCKET

TS-S



Nominal size
16×13 ※
20×13
20×16 ※
25×13
25×16 ※
25×20
30×20
30×25
40×20 ※
40×25
40×30
50×25 ※
50×30
50×40
65×40 ※
65×50 ※
75×40 ※
75×50
75×65 ※
100×75
125×100 ※
150×100

TS ELBOW

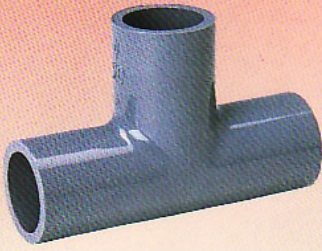
TS-L



Nominal size
13
16 ※
20
25
28 ※
30
35 ※
40
50
65 ※
75 ※
100 ※
125 ※
150 ※
200 ※
250 ※

TS TEE

TS-T



Nominal size

13	
16	※
20	
25	
28	※
30	
35	※
40	
50	
65	※
75	
100	
125	※
150	
200	※
250	※
300	※

Nominal size

16× 13	※
20× 13	
20× 16	※
25× 13	
25× 16	※
25× 20	
30× 13	
30× 16	※
30× 20	
30× 25	
40× 13	
40× 16	※
40× 20	
40× 25	
40× 30	
50× 13	
50× 16	※
50× 20	
50× 25	
50× 28	※
50× 30	
50× 35	※
50× 40	
65× 50	※
75× 25	
75× 40	
75× 50	
100× 50	
100× 75	
125×100	※
150× 75	
150×100	
150×125	※

TS 45° BEND

TS-45B



Nominal size

75	※
100	※
125	※
150	※
200	※
250	※
300	※

FAUCET SOCKET

TS-WS



Nominal size

13	※
16	※
20	※
25	※
28	※
20×13	※

FAUCET ELBOW

TS-WL



Nominal size

13	※
16	※
20	※
25	※
20×13	※

FAUCET TEE

TS-WT



Nominal size

13	※
20	※
16×13	※
20×13	※

TS VALVE SOCKET

TS-VS

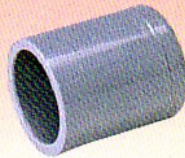


Nominal size

13× 1/2	65×2 1/2 ※
16× 1/2 ※	75× 3 ※
20× 3/4	100× 4 ※
25× 1	125× 5 ※
28× 1 ※	150× 6 ※
30×1 1/4	
35×1 1/4 ※	
40×1 1/2	
50× 2	

TS CAP

TS-C

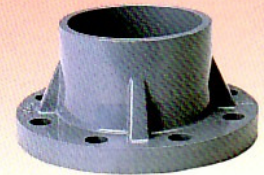


Nominal size

13	65 ※
16 ※	75
20	100
25	150
28 ※	
30	
35 ※	
40	
50	

TS FLANGE

TS-F 10K



Nominal size

13 ※	65 ※
15 ※	80 ※
20 ※	100 ※
25 ※	125 ※
28 ※	150 ※
30 ※	200 ※
35 ※	250 ※
40 ※	
50 ※	

OTHER PLUMBING PRODUCTS

SIMPLE JOINT

(JIS K 6743)

TPS



Nominal size

13
16 ※
20
25
28 ※
30
35 ※
40
50

※ARON Standards

CHECK VALVE

(IN-LINE TYPE)

CV



Nominal size

20
25
30
40
50

TS VALVE

TS-SV



Nominal size

13
16
20

FOOT VALVE

(SUCTION TYPE)

FV



Nominal size

20
25
30
40
50

PC COCK

PC



Nominal size

10
13
20
25

(Material : Polyethylene)