

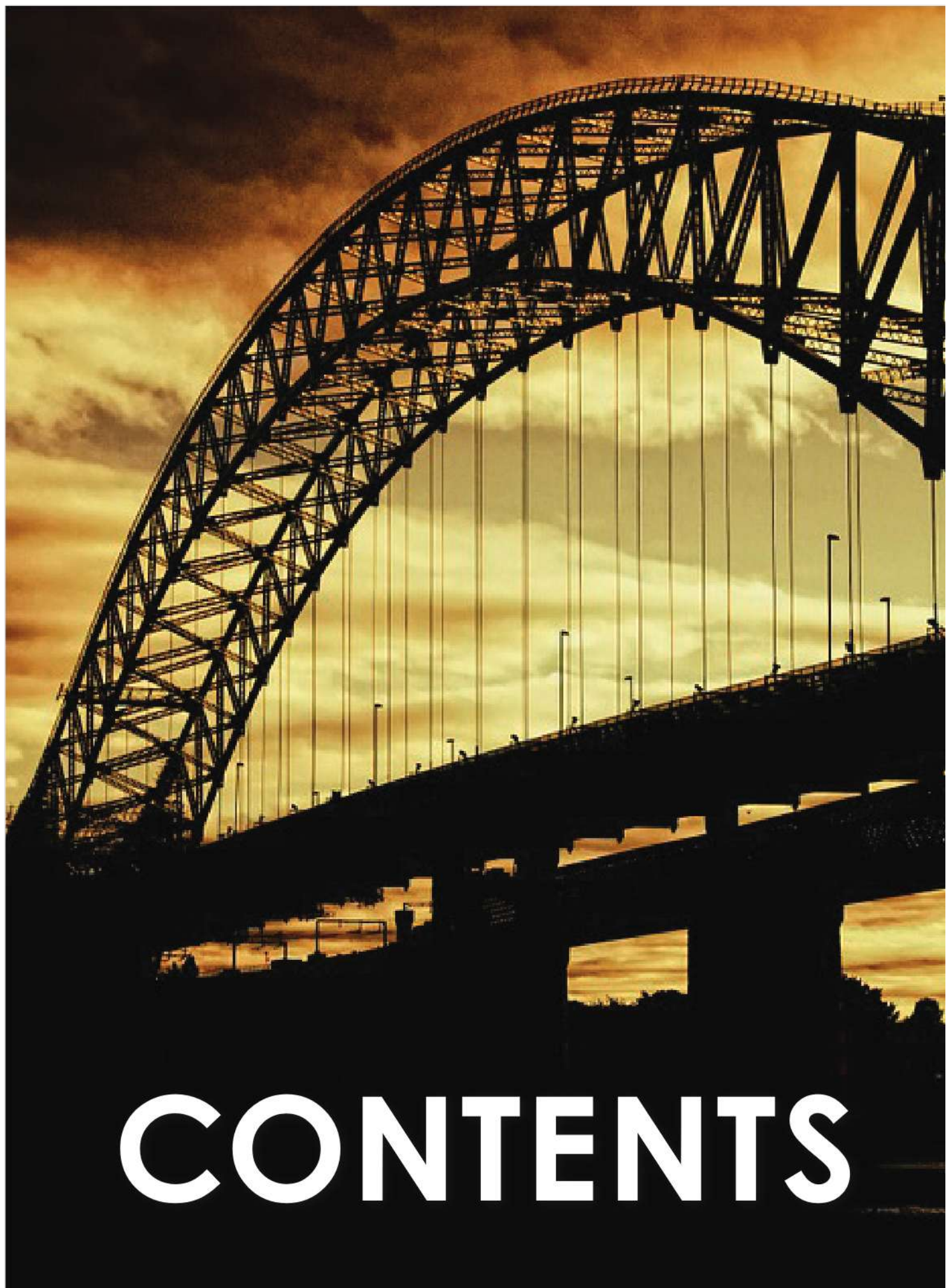


JIS & INFRASTRUCTURE PIPING SYSTEM

an *Aliaxis* company

★★★
LEAD-FREE
PIPE SYSTEMS

SUITABLE FOR BUILDINGS,
HOUSES AND CIVIL
CONSTRUCTION PURPOSES.



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PRODUCT RANGE

JIS PIPING
SYSTEM

FEATURES

- High performance JIS Piping System
 - Meets temperature, pressure and size requirements for above and under-ground applications.
- High quality finishing with smooth internal and external surfaces.
- Complies to Japan Industrial Standard Class VP (AW) / VU (AE), JIS K-6741, JIS K-6739 and JIS K-6743.
- Backed by Aliaxis group, global leader in plastic fluid handling system.
- Pipes and Fittings manufactured in grey colour.



ADVANTAGES

- Wide range of Pipes & Fittings.
- Proven track record of more than 35 years of delivering quality products.
- JIS Pipes and Fittings are specially designed for pressure and non-pressure applications.
- JIS Pipes and Fittings are produced with high level quality to ensure reliability.
- Lead free formulations improves environmental friendliness.
- Strong resistance to bacteria and fungi attack.
- Improve flow due to interior wall smoothness.
- Excellent resistance to various chemicals.



APPLICATION

- **VU / AE pipes & fittings:** Generally convey lower pressured fluids and are commonly used as cable ducting flush pipes, water discharge outlet for air conditioning and fume exhaust systems.
- **VP / AW pipes & fittings:** Generally convey pressured fluids and are commonly used for industrial application in combination with pumps and mechanical plants.









PRODUCT RANGE

TELECOM PIPING SYSTEM

FEATURES

- Telecoms Series SNOW uPVC pipes are equivalent to BS4660 and AS/NZS1260.
- Manufactures and compliance with SS272:1983. These pipes are granted approval for use in the Republic of Singapore by the Telecommunications Authority of Singapore (TAS).
- Backed by Aliaxis group, global leader in plastic fluid handling system.
- Pipes and Fittings manufactured in grey colour.



ADVANTAGES

- Proven track record of more than 35 years of delivering quality products.
- Smooth bore ensuring easier and safer installation.
- Strong, flexible and impact resistant yet lightweight.
- SNOW Telecom conduit pipes & fittings have lower thermal conductivity than metals. This prevents "sweating" formation of condensation on the pipe walls.
- SNOW Telecom pipes & fittings is non-conductive & non-sparking.
- SNOW Telecom pipes & fittings is non-magnetic, thus reduces voltage and minimize power loss.



APPLICATION

- These pipes are used as underground conduits for telecommunications cable.
 - Airport construction
 - Tunnel construction
 - Road construction
 - Traffic route construction

PRODUCT RANGE

PUB PIPING SYSTEM

FEATURES

- PUB Series SNOW uPVC pipes are equivalent to BS3505 and AS/NZS1477.
- Manufactures and compliance with SS141 (Class B): 1983. These pipes are granted approval for use in the Republic of Singapore by the Public Utilities Board (PUB), Singapore.
- Backed by Aliaxis group, global leader in plastic fluid handling system.
- Pipes and Fittings manufactured in grey colour. Other colours are however, available upon request.



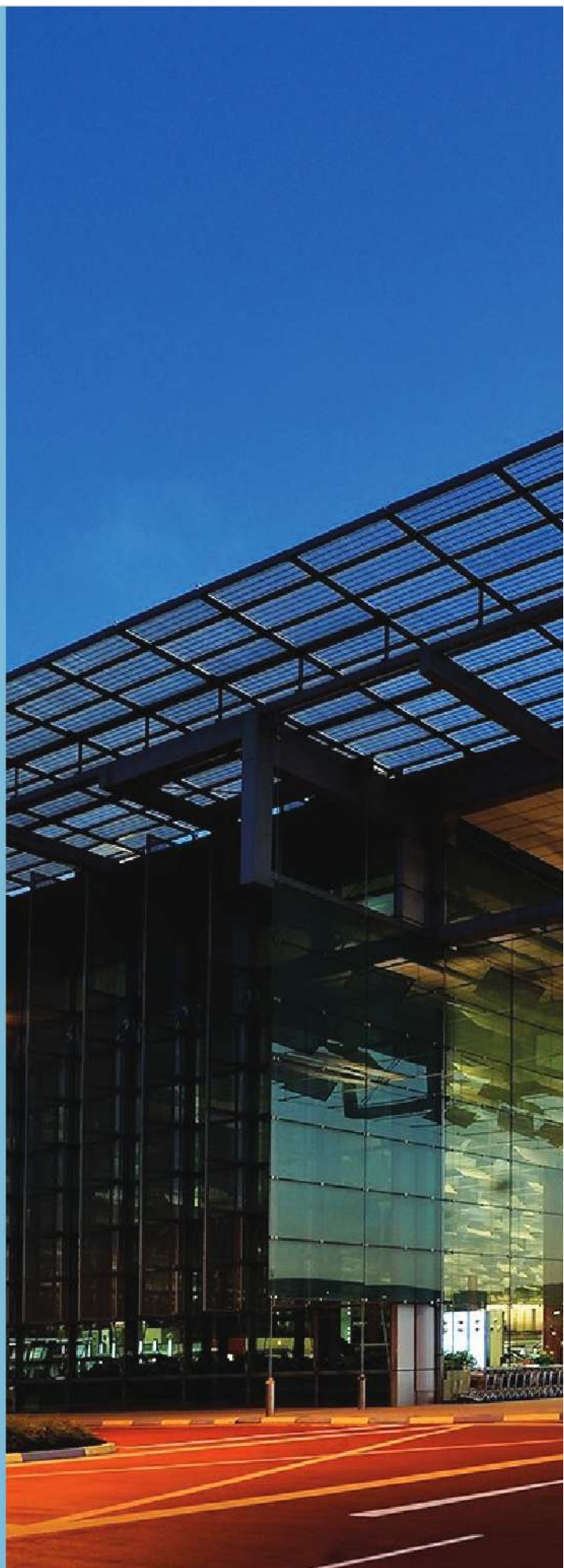
ADVANTAGES

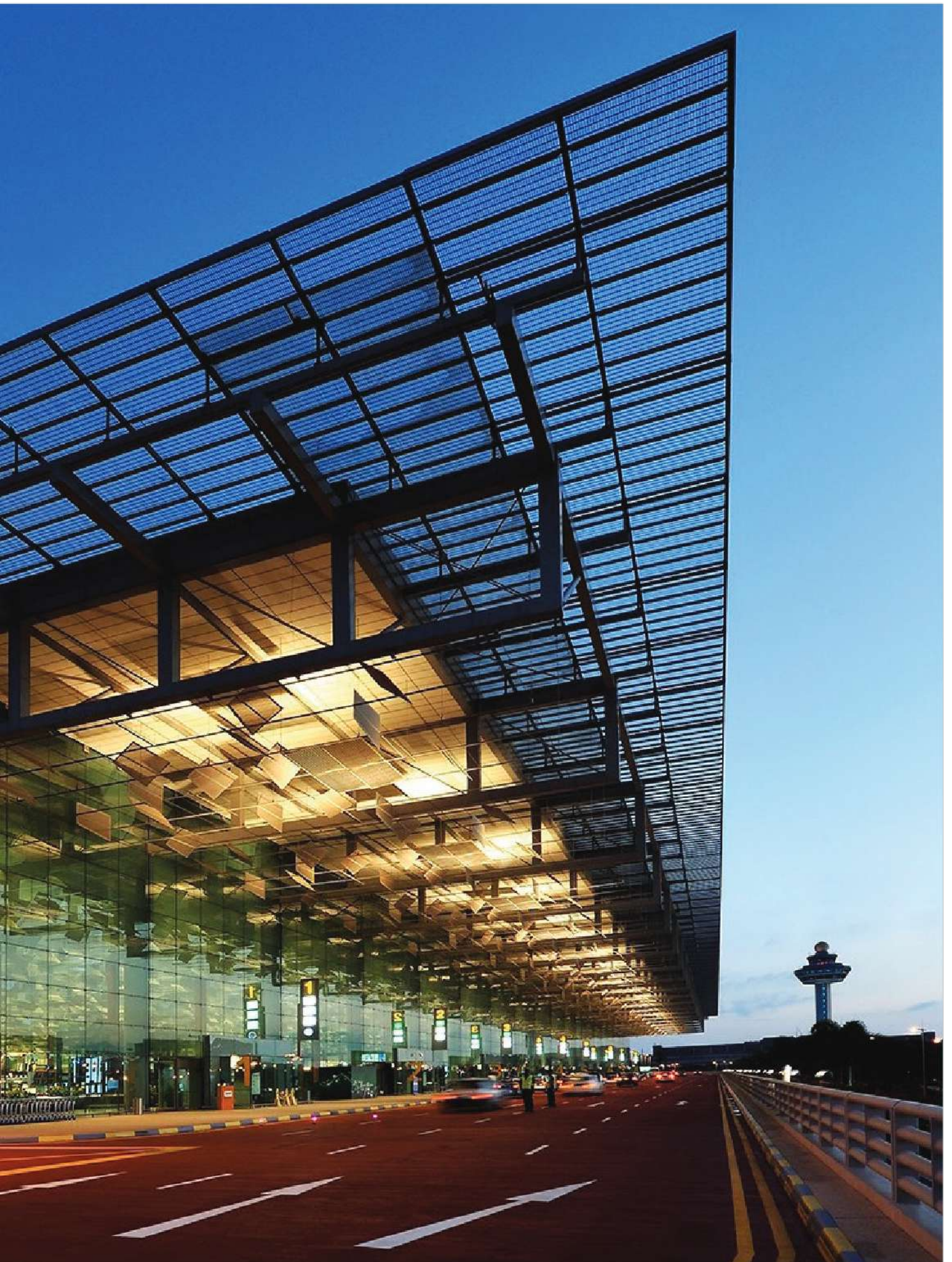
- Proven track record of more than 35 years of delivering quality products.
- Smooth bore ensuring easier and safer installation.
- Strong, flexible and impact resistant yet lightweight.
- SNOW PUB pipes & fittings have lower thermal conductivity than metals. This prevents "sweating" formation of condensation on the pipe walls.
- SNOW PUB pipes & fittings is non-conductive & non-sparking.
- SNOW PUB pipes & fittings is non-magnetic, thus reduces voltage and minimize power loss.



APPLICATION

- These pipes are used as underground conduits for telecommunications cable.
 - Airport construction
 - Tunnel construction
 - Road construction
 - Traffic route construction







QUALITY & CERTIFICATION



SYSTEM CERTIFICATION

FITTINGS

1. Class VP (AW) Un-Plasticised Polyvinyl Chloride (uPVC) fittings are commonly used for factory or industrial application in combination with pumps & mechanical plants. These pipes are manufactured in grey colours.
2. Class VU (AE) Un-Plasticised Polyvinyl Chloride (uPVC) fittings are commonly used as cable ducting flush pipes, water discharge outlet for air conditioning & fume exhaust system. These pipes are manufactured in grey colours.
3. Telecom Fittings, these fittings are manufactured in compliance with SS272:1983. These fittings are used as underground conduits for telecommunications cables. These fittings are manufactured in grey colour.
4. PUB Fittings are manufactured in compliance with SS141:1983(Class B). These fittings are used for underground cables for electrical cable protection. These fittings are manufactured in grey colour.

PIPES

1. Class VP (AW) Un-Plasticised Polyvinyl Chloride (uPVC) pipes are commonly used for factory or industrial application in combination with pumps & mechanical plants.
2. Class VU (AE) Un-Plasticised Polyvinyl Chloride (uPVC) pipes are commonly used as cable ducting flush pipes, water discharge outlet for air conditioning & fume exhaust system.
3. Telecom Pipes, these pipes are manufactured in compliance with SS272:1983. These pipes are used as underground conduits for telecommunications cables. These pipes are manufactured in grey colour.
4. PUB Pipes are manufactured in compliance with SS141:1983(Class B). These pipes are used for underground cables for electrical cable protection. These pipes are manufactured in grey colour.

SOLVENT CEMENT

1. FALTEX Polyvinyl Chloride (PVC) Solvent Cement

JIS Piping System is manufactured in accordance to the requirement of Japan Industrial Standard, JIS K 6741:1999 / JIS K 6743:1999. Telecom System are equivalent to British Standard BS4660 and Australian Standard / New Zealand Standard AS/NZS1260. PUB System are equivalent to British Standard BS3505 and Australian Standard / New Zealand Standard AS/NZS1477.

JAPANESE INDUSTRIAL STANDARDS - VP (AW)

MODEL	NOM. SIZE (mm)	SPECIFICATION
(AW) Pipes	16, 20, 25, 30, 40, 50, 65, 75, 100, 150, 200, 250, 300	JIS K-6741 Class VP
(AW) Pipes with One End Socket	200, 250, 300	JIS K-6741 Class VP
(AW) 45° Elbow	40, 50, 75, 100, 150, 200	JIS K-6743/6739 Class VP
(AW) 90° Elbow	13, 20, 25, 40, 50, 75, 100, 150, 200	JIS K-6743/6739 Class VP
(AW) 90° Valve Elbow	50	JIS K-6743/6739 Class VP
(AW) Socket	16, 20, 25, 30, 40, 50, 65, 75, 100, 150, 200	JIS K-6743/6739 Class VP
(AW) Reducing Socket	20x16, 25x16, 25x20, 50x25, 50x40, 75x50, 100x50, 150x100	JIS K-6743/6739 Class VP
(AW) Tee	25, 40, 50, 75, 100, 150, 200	JIS K-6743/6739 Class VP
(AW) Reducing Tee	40x15, 40x25, 40x30, 40x16, 50x20, 50x25, 50x30, 50x32, 50x40, 75x50, 100x50, 100x75, 150x75, 150x100	JIS K-6743/6739 Class VP
(AW) End Cap	25, 40, 50, 75, 100	JIS K-6743/6739 Class VP
(AW) Flange Socket	50, 65, 75, 100, 150, 200	JIS K-6743/6739 Class VP
(AW) Reducing Valve Tee	50x16, 50x20, 50x40	JIS K-6743/6739 Class VP
(AW) Valve Tee	50	JIS K-6743/6739 Class VP
(AW) Valve Socket	16, 50, 75, 100	JIS K-6743/6739 Class VP

JAPANESE INDUSTRIAL STANDARDS - VU (AE)

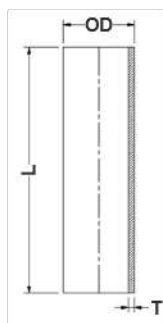
MODEL	NOM. SIZE (mm)	SPECIFICATION
(AE) Pipes	16, 20, 25, 30, 40, 50, 65, 75, 100, 150, 200, 250, 300, 450	JIS K-6741 Class VU
(AE) Pipes with One End Socket	200, 250, 300, 350	JIS K-6741 Class VU
(AEO) Pipes with One End Socket	200, 250, 300	JIS K-6741 Class VU
(AE) 45° Elbow	50, 75, 100, 150, 200, 250, 300	JIS K-6743/6739 Class VP
(AE) 90° Elbow	50, 75, 100, 150, 200, 250, 300	JIS K-6743/6739 Class VP
(AE) Socket	40, 50, 75, 100, 150, 200, 250, 300	JIS K-6743/6739 Class VP
(AE) Reducing Socket	100x50, 100x75, 150x100, 200x100, 200x150	JIS K-6743/6739 Class VP
(AE) Tee	75, 100, 150, 200	JIS K-6743/6739 Class VP
(AE) Reducing Tee	100x50, 100x75, 150x75, 150x100	JIS K-6743/6739 Class VP
(AE) End Cap	75, 100	JIS K-6743/6739 Class VP
(AE) Dome Grating	40, 50, 75, 100, 150	JIS K-6743/6739 Class VP

TELECOM SERIES uPVC Pipes & Fittings

MODEL	NOM. SIZE (mm)	SPECIFICATION
Telecom uPVC Pipe with One End Socket	110	SS272/BS4660/AS/NSZ1260
Telecom Socket	100	SS272/BS4660/AS/NSZ1260
Push On Cap	100	SS272/BS4660/AS/NSZ1260
45° Telecom Long Bend	25, 32, 40, 50, 75, 110	SS272/BS4660/AS/NSZ1260
90° Telecom Long Bend	25, 32, 40, 50, 75, 110	SS272/BS4660/AS/NSZ1260

PUB SERIES uPVC Pipes & Fittings

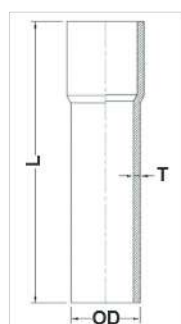
MODEL	NOM. SIZE (mm)	SPECIFICATION
PUB uPVC Pipe with One End Socket	80, 100, 150, 200, 250	SS141/BS3505/AS/NZS1477
PUB End Plug	150	SS141/BS3505/AS/NZS1477
PUB Socket	150	SS141/BS3505/AS/NZS1477
12° PUB Long Bend	100, 150, 200	SS141/BS3505/AS/NZS1477
14° PUB Long Bend	100, 150, 200	SS141/BS3505/AS/NZS1477
6" x 45° PUB Long Bend	150	SS141/BS3505/AS/NZS1477
6" x 90° PUB Long Bend	150	SS141/BS3505/AS/NZS1477

(AW) PIPES

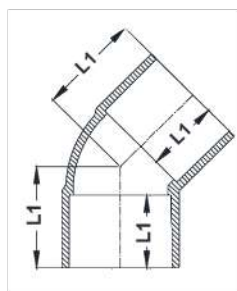
PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (min) (T) (mm)	LENGTH (L) (M)
AWP1658	16	22	2.7	5.8
AWP2058	20	26	2.7	5.8
AWP2558	25	32	3.1	5.8
AWP3058	30	38	3.1	5.8
AWP4058	40	48	3.6	5.8
AWP5058	50	60	4.1	5.8
AWP6558	65	76	4.1	5.8
AWP7558	75	89	5.5	5.8
AWP10058	100	114	6.6	5.8
AWP15058	150	166	8.9	5.8
AWP20058	200	217	10.3	5.8
AWP25058	250	268	12.5	5.8
AWP30058	300	319	15.1	5.8

(AW) PIPES

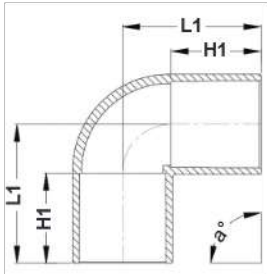
with One End Socket



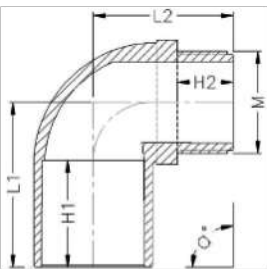
PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (min) (T) (mm)	LENGTH (L) (M)
AWP20058S	200	217	10.3	5.8
AWP25058S	250	268	12.5	5.8
AWP30058S	300	319	10.3	5.8

(AW) 45° ELBOW

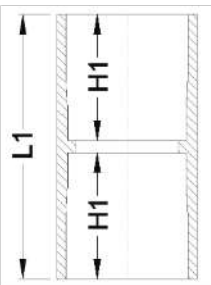
PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)	
AWE4540	40	45	H1	L1
AWE4550	50	45	63	80
AWE4575	75	45	72	97
AWE45100	100	45	92	122
AWE45150	150	45	140	184
AWE45200	200	45	145	193

(AW) 90° ELBOW

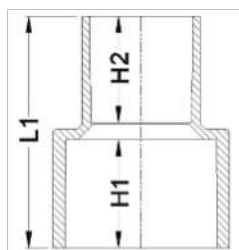
PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)	
			H1	L1
AWE9013	13	90	26	36
AWE9020	20	90	35	50
AWE9025	25	90	40	58
AWE9040	40	90	55	82
AWE9050	50	90	63	96
AWE9075	75	90	72	120
AWE90100	100	90	92	153
AWE90150	150	90	140	230
AWE90200	200	90	145	341

(AW) 90° VALVE ELBOW

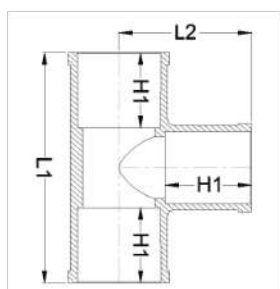
PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)				
			H1	H2	L1	L2	M
AWVE9050	50	90	63	82.5	96	33	2"

(AW) SOCKET

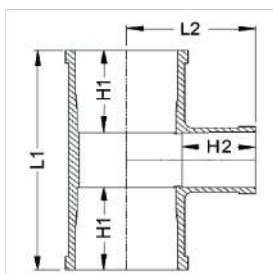
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)	
		H1	L1
AWS16	16	30	67
AWS20	20	35	77
AWS25	25	40	87
AWS35	35	44	95
AWS40	40	56	117
AWS50	50	63	133
AWS75	75	64	155
AWS100	100	92	200
AWS150	150	140	300
AWS200	200	145	305

(AW) REDUCING SOCKET

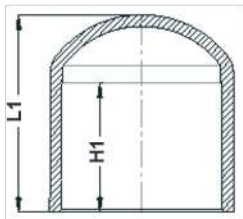
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)		
		H1	H2	L1
AWS2016	20x16	35	30	71
AWS2516	25x16	40	30	85
AWS2520	25x20	40	35	84
AWS5025	50x25	63	40	140
AWS5040	50x40	63	44	136
AWS7550	75x50	64	63	165
AWS10050	100x50	84	63	190
AWS150100	150x100	132	84	295

(AW) TEE

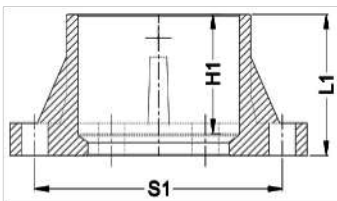
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)		
		H1	L1	L2
AWT25	25	40	116	58
AWT40	40	55	164	82
AWT50	50	63	192	96
AWT75	75	64	240	120
AWT100	100	84	304	152
AWT150	150	132	460	230
AWT200	200	145	532	266

(AW) REDUCING TEE

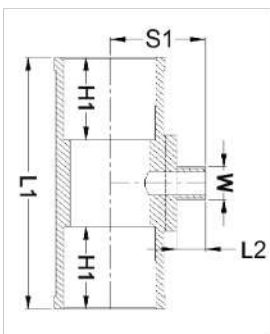
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)			
		H1	H2	L1	L2
AWT4015	40x15	55	30	136	57
AWT4025	40x25	55	40	146	67
AWT4030	40x30	55	44	152	71
AWT5016	50x16	63	30	152	63
AWT5020	50x20	63	35	156	68
AWT5025	50x25	63	40	162	73
AWT5030	50x30	63	44	168	77
AWT5032	50x32	63	44	168	77
AWT5040	50x40	63	55	180	88
AWT7550	75x50	64	63	210	110
AWT10050	100x50	84	63	250	122
AWT10075	100x75	84	61	280	132
AWT15075	150x75	132	61	390	158
AWT150100	150x100	132	64	416	182

(AW) END CAP

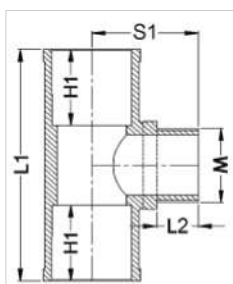
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)	
		H1	L1
AWEC25	25	40	44
AWEC40	40	55	59.5
AWEC50	50	63	68
AWEC75	75	64	105
AWEC100	100	84	138

(AW) FLANGE SOCKET

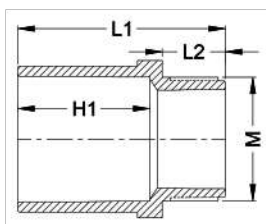
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)			O(mm) X No. of Holes
		H1	L1	S1	
AWFLS50	50	63	71	120	19x4
AWFLS65	65	61	76	140	19x4
AWFLS75	75	64	90	150	19x8
AWFLS100	100	84	120	175	19x8
AWFLS150	150	132	142	240	23x8
AWFLS200	200	145	156	290	23x8

(AW) REDUCING VALVE TEE

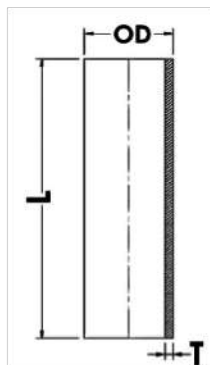
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)				
		H1	L1	L2	S1	M(BSP)
AWVT5016	50x16	50	192	63	30	½"
AWVT5020	50x20	50	192	63	35	½"
AWVT5040	50x40	50	192	63	55	½"

(AW) VALVE TEE

PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)				
		H1	L1	L2	S1	M(BSP)
AWVT50	50	63	192	29.15	80	2"

(AW) VALVE SOCKET

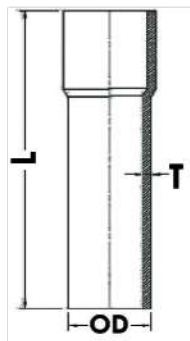
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)			
		H1	L1	L2	M(BSP)
AWVS16	16	30	54	15	½"
AWVS50	50	63	106	15.8	2"
AWVS75	75	64	127	20.6	3"
AWVS100	100	84	157	25.4	4"

(AE) PIPES

PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (T) (mm)	LENGTH (L) (M)
AEP1658	16	22	1.8	5.8
AEP2058	20	26	1.8	5.8
AEP2558	25	32	1.8	5.8
AEP3058	30	38	1.8	5.8
AEP4058	40	48	1.8	5.8
AEP5058	50	60	1.8	5.8
AEP6558	65	76	2.2	5.8
AEP7558	75	89	2.7	5.8
AEP10058	100	114	3.1	5.8
AEP15058	150	166	5.1	5.8
AEP20058	200	217	6.5	5.8
AEP25058	250	268	7.8	5.8
AEP30058	300	319	9.2	5.8
AEP45058	450	472	13.2	5.8

(AE) PIPES

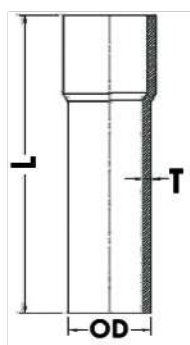
with One End Socket



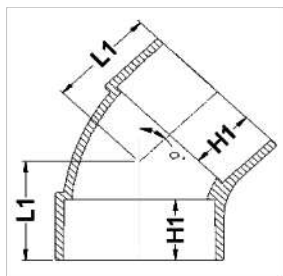
PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (T) (mm)	LENGTH (L) (M)
AEP20058S	200	217	6.5	5.8
AEP25058S	250	268	7.8	5.8
AEP30058S	300	319	9.2	5.8
AEP35058S	350	370	10.5	5.8

(AEO) PIPES

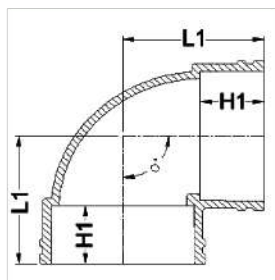
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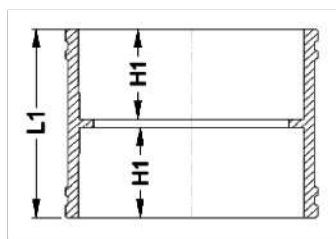
PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (T) (mm)	LENGTH (L) (M)
AEOP20058S	200	216	5.0	5.8
AEOP25058S	250	267	6.0	5.8
AEOP30058S	300	318	6.1	5.8

(AE) 45° ELBOW

PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)	
			H1	L1
AEE4550	75	45	25	43
AEE4575	75	45	40	65
AEE45100	100	45	50	80
AEE45150	150	45	80	124
AEE45150B	150	45	80	124
AEE45200	200	45	110	166
AEE45250	250	45	130	198
AEE45300	300	45	150	228

(AE) 90° ELBOW

PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)	
			H1	L1
AEE9050	50	90	25	58
AEE9075	75	90	40	88
AEE90100	100	90	50	112
AEE90150	150	90	90	168
AEE90150B	150	90	90	168
AEE90200	200	90	110	225
AEE90250	250	90	130	271
AEE90300	300	90	150	318

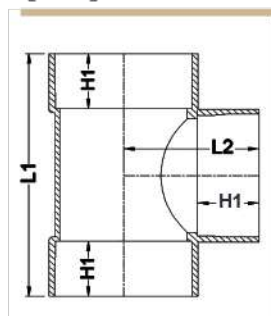
(AE) SOCKET

PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)	
		H1	L1
AES40	40	22	47
AES50	50	25	53
AES75	75	40	84
AES75W	75	40	84
AES100	100	50	105
AES100W	100	50	105
AES150	150	80	165
AES200	200	110	225
AES300	300	150	307

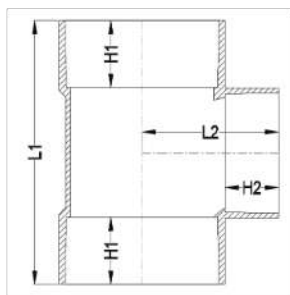
* W - WHITE

(AE) REDUCING SOCKET

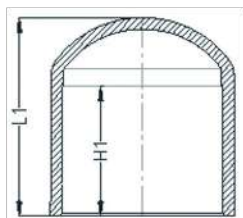
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)		
		H1	H2	L1
AES10050	100x50	50	25	105
AES10075	100x75	50	40	120
AES150100	150x100	80	50	170
AES200100	200x100	110	50	200
AES200150	200x150	110	80	250

(AE) TEE

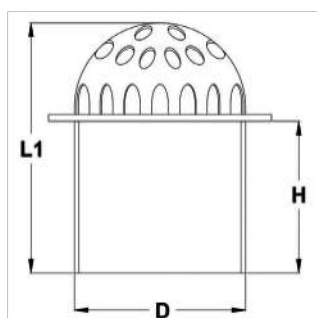
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)		
		H1	L1	L2
AET75	75	40	177	88
AET100	100	50	225	112
AET150	150	81	339	169
AET200	200	110	451	225

(AE) REDUCING TEE

PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)			
		H1	H2	L1	L2
AET10050	100x50	50	25	169	87
AET10075	100x75	50	40	197	102
AET15075	150x75	81	40	264	128
AET150100	150x100	81	50	285	143

(AE) END CAP

PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)	
		H1	L1
AEEC75	75	70.4	85
AEEC100	100	75	100

(AE) DOME GRATING

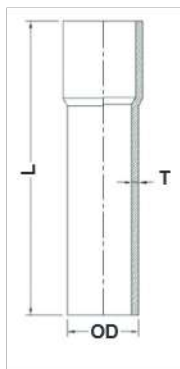
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)		
		H	L1	D
AED40G	40	56	96	42.8
AED50G	50	55	94	50
AED75G	75	65	104	72
AED100G	100	75	120	100
AED150G	150	75	139	140
AEG50DW	50	55	94	50
AEG75DW	75	65	104	72
AEG100DW	100	75	120	100
AEG150DW	150	75	139	140

* G - GREY

* W - WHITE

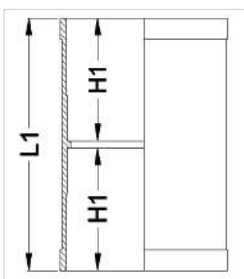
TELECOM uPVC PIPES

with One End Socket



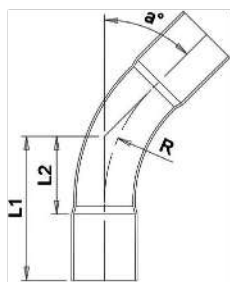
PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (min) (T) (mm)	LENGTH (L) (M)
TCP1006S	110	110.2	3.2	6.0

TELECOM SOCKET



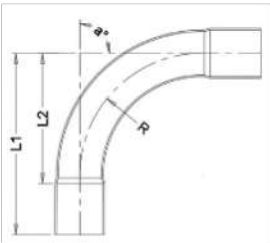
PRODUCT CODE	NOM. SIZE (mm)	DIMENSIONS (mm)	
		H1	L1
TCS100	100	87.5	180

45° TELECOM LONG BEND



PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)		
			L1	L2	R
AETL4525	25	45	91	48	90
AETL4532	32	45	107	55	123
AETL4540	40	45	131	76	110
AETL4550	50	45	162	99	150
AETL4575	75	45	224	160	250
AETL45110	110	45	270	186	300
AETL45110*500R	100	45	270	186	300

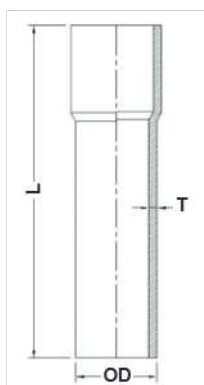
90° TELECOM LONG BEND



PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)		
			L1	L2	R
AETL9025	25	90	91	48	90
AETL9032	32	90	107	55	123
AETL9040	40	90	131	76	110
AETL9050	50	90	162	99	150
AETL9075	75	90	224	160	250
AETL90110	110	90	270	186	300
AETL90110*500R	100	90	270	186	300

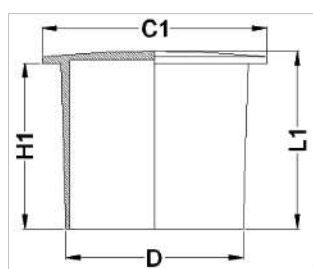
PUB PIPES

with One End Socket



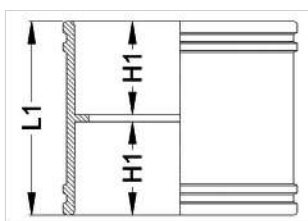
PRODUCT CODE	NOM. SIZE (mm)	MEAN OD (mm)	THICKNESS (T) (mm)	LENGTH (L) (M)
PUB806S	80	88.9	2.9	6.0
PUB1006S	100	114.3	3.4	6.0
PUB1506S	150	168.3	4.5	6.0
PUB2006S	200	219.1	5.3	6.0
PUB2506S	250	273	6.6	6.0

PUB END PLUG



PRODUCT CODE	NOM. SIZE (mm)	H1	DIMENSIONS (mm)		
			C1	L1	D
EP150G	150	140.6	190	150.6	150.2

PUB SOCKET



PRODUCT CODE	NOM. SIZE (mm)	H1	L1
PS150B	150	79.5	164
PS150BW	150	79.5	164

12° PUB LONG BEND



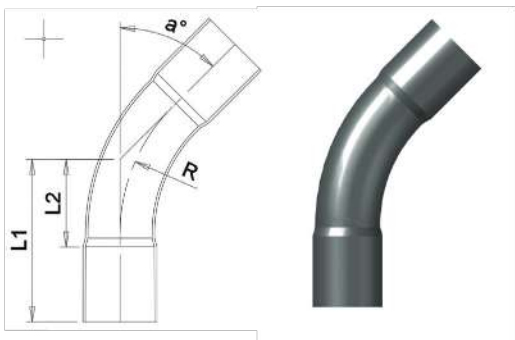
PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)		
			L1	L2	R
PUBLB12100	100	12	445	320	300
PUBLB12150	150	12	695	535	500
PUBLB12200	200	12	1350	1180	1000

14° PUB LONG BEND



PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)		
			L1	L2	R
PUBLB14100	100	14	445	320	300
PUBLB14150	150	14	695	535	500
PUBLB14200	200	14	1350	1180	1000

6" PUB LONG BEND



PRODUCT CODE	NOM. SIZE (mm)	ANGLE α°	DIMENSIONS (mm)		
			L1	L2	R
AEPL45150	150	45	392	48	90
AEPL90150	150	90	670	132	123

PRODUCT RANGE SOLVENT CEMENT



CODE NO.	DESCRIPTION	GMS	TIN/ CARTON
SC500MLW	Faltex Solvent Cement (Clear)	500	20
SC500MLB	Faltex Solvent Cement (Blue)	500	20

FEATURES

- **Trouble-free product** for all plastic pipe installation.
- **Moderate solvent odour** which creates a safe working environment for all.
- **Unique design** to prevent leakage or solvent loss during shelf life.
- **Complies with MS628 & BS4346 standards** for solvent cement used for plastic pipe installation.
- **Deliver dependable performance** and reduce loss time due to leakage caused by poor solvent cements.

ADVANTAGES

- **High quality performance** with excellent installation properties.
- **Available in Clear/Blue** for easier inspection and professional finishes.
- **Tested by SETSCO** and approve all HDB projects application.
- **Expert R&D** to develop the most technically advanced and innovative product to meet our customers' needs.

FALTEX SOLVENT CEMENT (CLEAR)

Solid Content: 24%

Consistency property: 1,000 cps

Quality: Tough & Resilient

Colour: Clear

Standard: MS628 Part II Section 2.2

- Highly soluble PVC-U Solvent cement.
- Suitable for joining all PVC-U pipes from 15mm - 450mm diameter.
- When applied, it will instantly dissolve and blend with the pipe to produce a film (wall) of 0.4mm thick, so that the fitting gap will be strong and stable.

FALTEX SOLVENT CEMENT (BLUE)

Solid Content: 24%

Consistency property: 1,000 cps

Quality: Tough & Resilient

Colour: Blue

Standard: MS628 Part II Section 2.2

- Approved for HDB usage.
- Suitable for joining all PVC-U pipes from 32mm - 450mm diameter.
- When applied, it will instantly dissolve and blend with the pipe to produce a film (wall) of 0.4mm thick, so that the fitting gap will be strong and stable.

SOLVENT CEMENT REQUIREMENT FOR PVC-U PIPES & FITTINGS

NOMINAL SIZE OF PIPE OR FITTING (mm)	AMOUNT OF SOLVENT CEMENT REQUIRED PER JOINT (g)	NO. OF POSSIBLE JOINTS	
		100 g	500 g
15	1.3	76	383
20	2.0	55	250
25	2.5	40	200
32	3.2	30	156
40	5.0	20	100
50	7.2	13	69
80	12.0	8	41
100	15.5	6	32
155	26.0	2	19
200	49.0	1	10

PHYSICAL AND CHEMICAL PROPERTIES

Flammable Mixture (UN No. 1133)

This solvent cement material will ignite at ambient temperatures. Colourless vapours may travel considerable distance to ignition sources and cause flash fires or explosions.

Hazard Identification

May cause eyes and skin irritation, burns or dermatitis.

Storage

Store in well-ventilated area. Keep away from heat, sparks and flame.

Safety Advice

- Keep out of reach of children.
- Keep away from sources of ignition.
- No Smoking.
- Avoid contact with eyes.
- In case of fire, use chemical powder, foam or carbon dioxide.

ATTENTION:

1. Temperature below 15°C (50°F) will extend the straining period for approximately 5 minutes for each type of pipe.
2. All the above solvent cement is not applicable to those PVC-U pipe or fitting which are made of partly recycled material.
3. After assembly, the pipe must be tightly held in place and shall only be released after reasonable straining time as stipulated. If release prematurely, the pipe to be fitted will spring apart.

PACKING

500g (with brush) x 20 Tins per ctn.

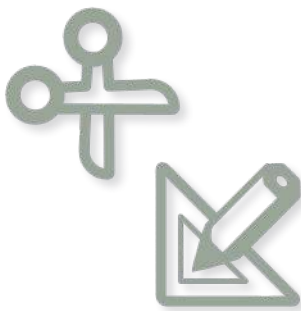
CTN. SIZE

520mm x 220mm x 240mm

ASSEMBLY PIPES WITH SOLVENT CEMENT JOINTS

-1- CUT & DEBURR

Where necessary, cut pipe to length at right angle to its axis to maximize surface for bonding. Use of a mitre box and fine tooth saw is recommended.



Cut surface need to be deburred and chamfered to a slight bevel to simplify centred insertion and uniform adhesive distribution between parts.

-2- DEGREASE THE SPIGOT AND SOCKET

Mark the insertion depth to the pipe spigot to avoid excessive application and provides control as to whether pipe has been adequately inserted into the fitting.



Clean parts to be fused with priming fluid to ensure that dirt and possible slip and release agents are removed for optimal results. Scrape off any discoloured pipe layer due to UV-radiation or proper bonding cannot be achieved.

-3- APPLY THE SOLVENT CEMENT

Apply adhesive evenly to both sides to be mated using a brushing stroke parallel to or along the pipe axis. Joint must be made within 1 minute of starting application.



can or tin well before using to ensure homogeneity.

-4- MAKE THE JOINT

Insert pipe straight into the fitting as deeply into the fitting socket as possible without twisting and hold in place firmly and steadily for at least ten seconds.



-5- CLEAN THE EXCESS SOLVENT CEMENT

Remove excess solvent cement with a soft cloth. A small closed adhesive ring should be clearly visible at the end of the fitting to signal that the sufficient adhesive has been applied.



Wait 24 hours before testing or use.

SOLVENT WELDING PROCEDURES

Name of Operation	Description of Operation	Notes																																										
1. Cutting pipe	Winding the tape around the pipe at right angle to the central axis of the pipe, and draw a cutting line along the tape with the felt-tipped pen.  Cut the pipe along the cutting line.	It is necessary for cutting the pipe at right angle to the central axis of the pipe and also without irregularity.																																										
2. Chamfering (Bevelling)	Chamfer the edge of outer surface (at the end of the pipe to be inserted) appropriately in a small R). 	Be sure to keep chips out both inside and outside the pipe.																																										
3. Confirming Insertion Length (a)	Insert the pipe lightly into the socket of the fitting and mark a zero point (Lo: from the end of pipe). Confirm that Lo is within a range of 1/3 – 2/3 of total socket-length (socket-depth) (Ls).	For the size of 40A and below: go next step.																																										
4. Confirming Insertion Length (b)	Measure the socket-length and draw the guide line (L) on the pipe with the felt-tipped pen.  Socket-Length of TS Fittings Unit: mm <table><tr><td>Size</td><td>13</td><td>16</td><td>20</td><td>25</td><td>30</td><td>40</td></tr><tr><td>Ls</td><td>26</td><td>30</td><td>35</td><td>40</td><td>44</td><td>55</td></tr><tr><td>Size</td><td>50</td><td>65</td><td>75</td><td>100</td><td>125</td><td>150</td></tr><tr><td>Ls</td><td>63</td><td>61</td><td>64</td><td>84</td><td>104</td><td>132</td></tr><tr><td>Size</td><td>50</td><td>65</td><td>75</td><td>100</td><td>125</td><td>150</td></tr><tr><td>Li</td><td>20</td><td>20</td><td>25</td><td>30</td><td>35</td><td>45</td></tr></table>	Size	13	16	20	25	30	40	Ls	26	30	35	40	44	55	Size	50	65	75	100	125	150	Ls	63	61	64	84	104	132	Size	50	65	75	100	125	150	Li	20	20	25	30	35	45	For the size of 13A to 40A, L is same as Ls. L = Ls For the size of 50A and above, please add following figures (Li) on the Lo. L = Lo + Li Length to be added on Lo.
Size	13	16	20	25	30	40																																						
Ls	26	30	35	40	44	55																																						
Size	50	65	75	100	125	150																																						
Ls	63	61	64	84	104	132																																						
Size	50	65	75	100	125	150																																						
Li	20	20	25	30	35	45																																						

SOLVENT WELDING PROCEDURES

Name of Operation	Description of Operation	Notes
5. Cleaning	In case any foreign materials are stuck on both internal and external surface of the pipe, remove them with acetone-impregnated gauze.  Clean the cementing surfaces. (The external surface of the pipe and internal surface of the socket of the fittings). (Wipe off dust, foreign materials etc. with acetone-impregnated gauze.)	Be sure not to cause any secondary contamination. Clean surfaces thoroughly and remove any water, foreign materials etc. if on the surfaces, where solvent is applied, prior to proceeding to the next step.
6. Applying Solvent Cement (Socket of Fitting)	Applying the solvent cement on the internal surface of the socket of the fitting. 	Apply the solvent cement on the surface a little thin and uniformly so that no excess solvent cement flows onto the portion where media contact. ■
7. Applying Solvent Cement (Pipe)	Then, applying the solvent cement on external surface of the pipe from the end to the guideline direction.	Quantity of solvent cement applied on the pipe and on the fittings: Standard ratio = 7 : 3 Refer to "Cement" Page for the standard quantity of the solvent cement per each joint and by each No. Size.

SOLVENT WELDING PROCEDURES

Name of Operation	Description of Operation	Notes
8. Insertion / Holding	Immediately after applying the solvent cement, insert the pipe into the socket in a stroke. 	Insert watching the guideline as a guide. Don't strike the pipe into the socket with a hammer, or the like. Don't twist but insert the pipe straight. Hold the pipe for 1 minute and more in summer, or for 2 minutes and more in winter, because the taper of socket may cause the pipe coming out from the socket.
	After complete insertion, hold the pipe and fitting to prevent from coming out.	
9. Wiping Off	Wipe off the excess solvent cement pressed out from the joined portion. 	Use waste cloth.
10. Curing	Cure the piping for 24 hours and more in the summer or 72 hours and more in the winter without loading on the joined portion.	Good ventilation on the welded portion is desirable fro complete evaporation of the solvent in the solvent cement (to avoid possible solvent cracking).

JIS PIPING SYSTEM

PUNGGOL HDB NC1



STURDEE RESIDENCE



WOODLAND POLICE HQ



TELECOM & PUB SYSTEM

CHANGI AIRPORT RUNWAY



DSTA AVIATION PARK



THOMSON LINE T226



THOMSON LINE T305





ABOUT SNOW

Snow has been Singapore's leading manufacturer of PVC piping systems for over 35 years.

Over the years, Snow has gained recognition to be an approved brand for HDB Building projects. Snow provides products for both residential and commercial building markets, in new build and renovation segments, as well as a wide range of solutions for public utility applications.

In 2015, Snow became part of the Aliaxis Group, a global leader in the manufacturing of plastics pipes and fittings systems. Aliaxis is present in over 40 countries, has more than 100 manufacturing and commercial entities and employs more than 15,700 people.

When you choose SNOW, you can be confident that all your piping materials are designed, built and backed by one company, one supplier to stand behind you and your complete system.

ABOUT THE ALIAXIS GROUP

THE ALIAXIS GROUP IS A LEADING GLOBAL MANUFACTURER AND DISTRIBUTOR OF PRIMARY PLASTIC FLUID HANDLING SYSTEMS USED IN RESIDENTIAL AND COMMERCIAL CONSTRUCTION.



Aliaxis is present in more than 45 countries. The Group has more than 100 manufacturing and commercial entities and employs over 16,200 people.

The ethos of the Group allows local and global knowledge of the industry, regulations and building practices to combine and provide consistently excellent customer service to specifiers, consultants, contractors, installers and others.

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NOTE :

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Our customers and end-users around the world value our comprehensive range of high-quality products, systems and solutions. Six major brands, combined with a variety of strong regional and local brands, answer the needs of every trade professional we serve.





WE MAKE LIFE FLOW

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**ALIAxis SINGAPORE (FORMERLY KNOWN AS
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