



# uPVC Sanitary Plumbing Systems

a **LESSO** company

★ ★ ★  
**LEAD-FREE**  
PIPE SYSTEMS

SUITABLE FOR BUILDINGS,  
HOUSES AND CIVIL  
CONSTRUCTION PURPOSE.







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# About Us

## About SNOW

Over the years, SNOW has gain 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 2020, SNOW became part of the China Lesso Group (Stock Name: China Lesso, Stock Code: 02128.HK), a large industrial group of home furnishings and building materials in China. China Lesso offers products, services and channels involving piping, building materials and home furnishings, environmental protection, and modern agriculture.

With the rapid development of internationalization and globalization, China Lesso boasts more than 80 holding subsidiaries and more than 23 production bases distributed in 17 provinces across China, and in Canada and Indonesia. China Lesso remains committed to improving its strategic layout, broadening its sales network and expanding the market. This is how it provides products and services for customers in a timely and efficient way.

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.







## QUALITY & CERTIFICATION



## SYSTEM CERTIFICATION

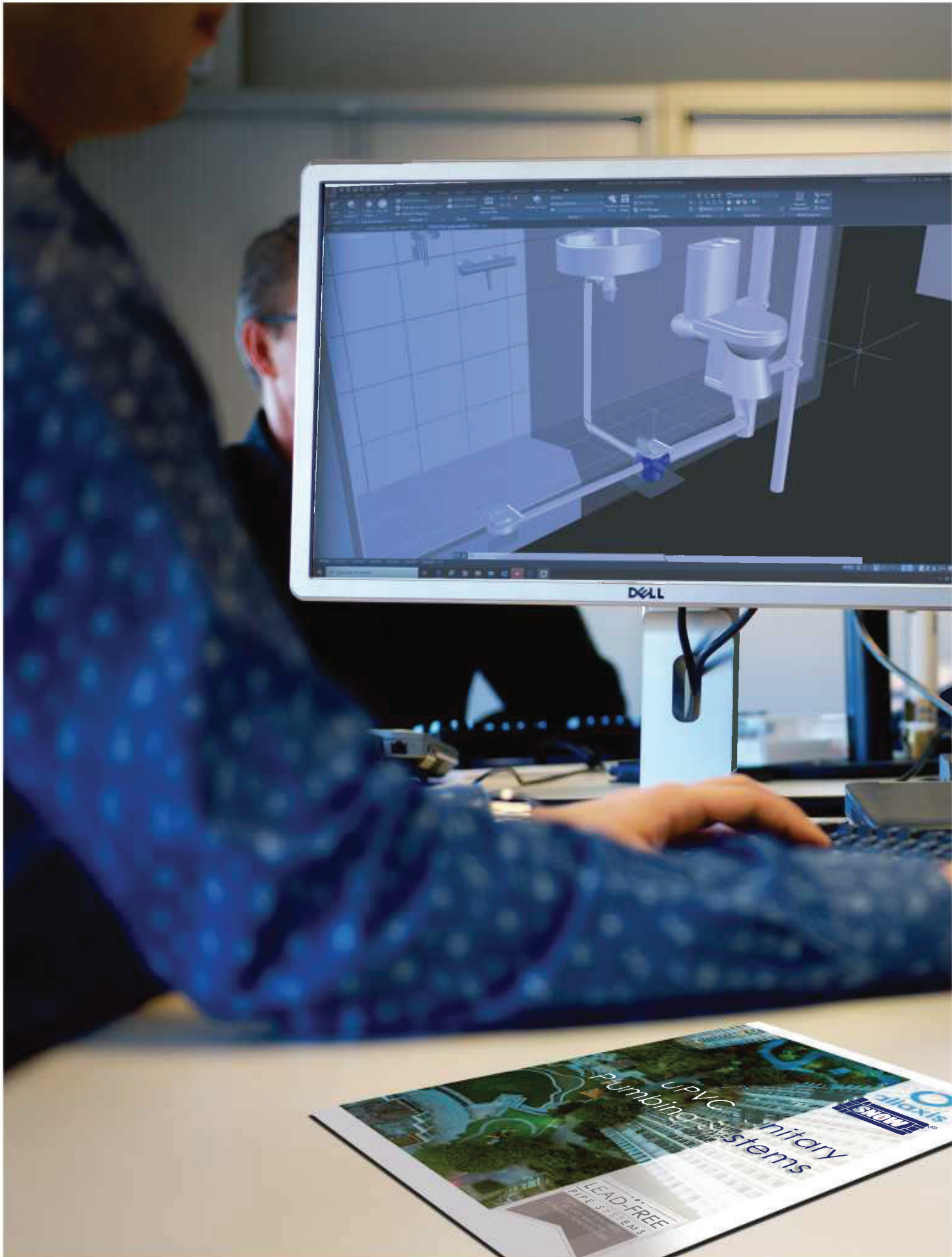
### FITTINGS

1. Un-Plasticised Polyvinyl Chloride (uPVC) fittings for soil and waste discharge (low and high temperature) within the building structure.
2. Un-Plasticised Polyvinyl Chloride (uPVC) fittings for non-pressure underground drainage and sewerage.

### PIPES

1. Un-Plasticised Polyvinyl Chloride (uPVC) pipes for soil and waste discharge (low and high temperature) within the building structure.





## SNOW Material Characteristics

**SNOW** – Soil, waste & Vent Drainage System is manufactured in accordance to the requirements of Singapore Standards, SS213:1998. Un-Plasticised PVC Pipes & Fittings for soil, waste & vent applications (Equivalent to British Standard BS4514, BS5255, & Australian / New Zealand Standard AS/NZS1260.

### Lightness

uPVC is approximately half the weight of copper pipe, one-fifth of the weight of steel pipe and one-tenth the weight of cast Iron Pipe. Transport and handling is therefore both simple and convenient.

### Chemical Resistance

The excellent chemical resistance of uPVC to acids, alkalis, oxidising and reducing agents makes it particularly suitable for a wide range of industrial applications. Generally uPVC is resistant to most oils, fats, alcohols and aromatic-free petrol, but is unsuitable for use with aromatic and chlorinated hydrocarbons, ketones, esters and cyclic ethers which lead to marked swelling and softening of the material.

### High Flow Rate

The internal surface of uPVC pipes & fittings is "extremely smooth" equivalent to a Manning and Kutter coefficient of 0.010, giving excellent flow properties which remain constant due to reduced build-up of scale.

### Flammability

uPVC does not support combustion. uPVC is a flame retardant material commonly used in fire risk areas. uPVC frames are a self extinguishable material that does not support combustion.

1. UPVC compared to other plastic products is self-extinguishing. So if the source of the fire is taken away it would stop burning.

### Weather Resistance

The SNOW range is manufactured from a specially formulated uPVC compound, developed from many years of trial, resulting in a tough resilient material with excellent outdoor weathering performance.

### Low Installation Cost

Tight dependable connections are made by solvent cement welding of uPVC pipe & fittings. The combined with the other advantages of lightness, flexibility and the use of pre-fabrication techniques, can afford savings both in time and money. As it is the case with all materials, certain of their characteristics need to be considered during installation. Similarly, before installing uPVC it is necessary to take into account the following properties.

### Effect of Low Temperature

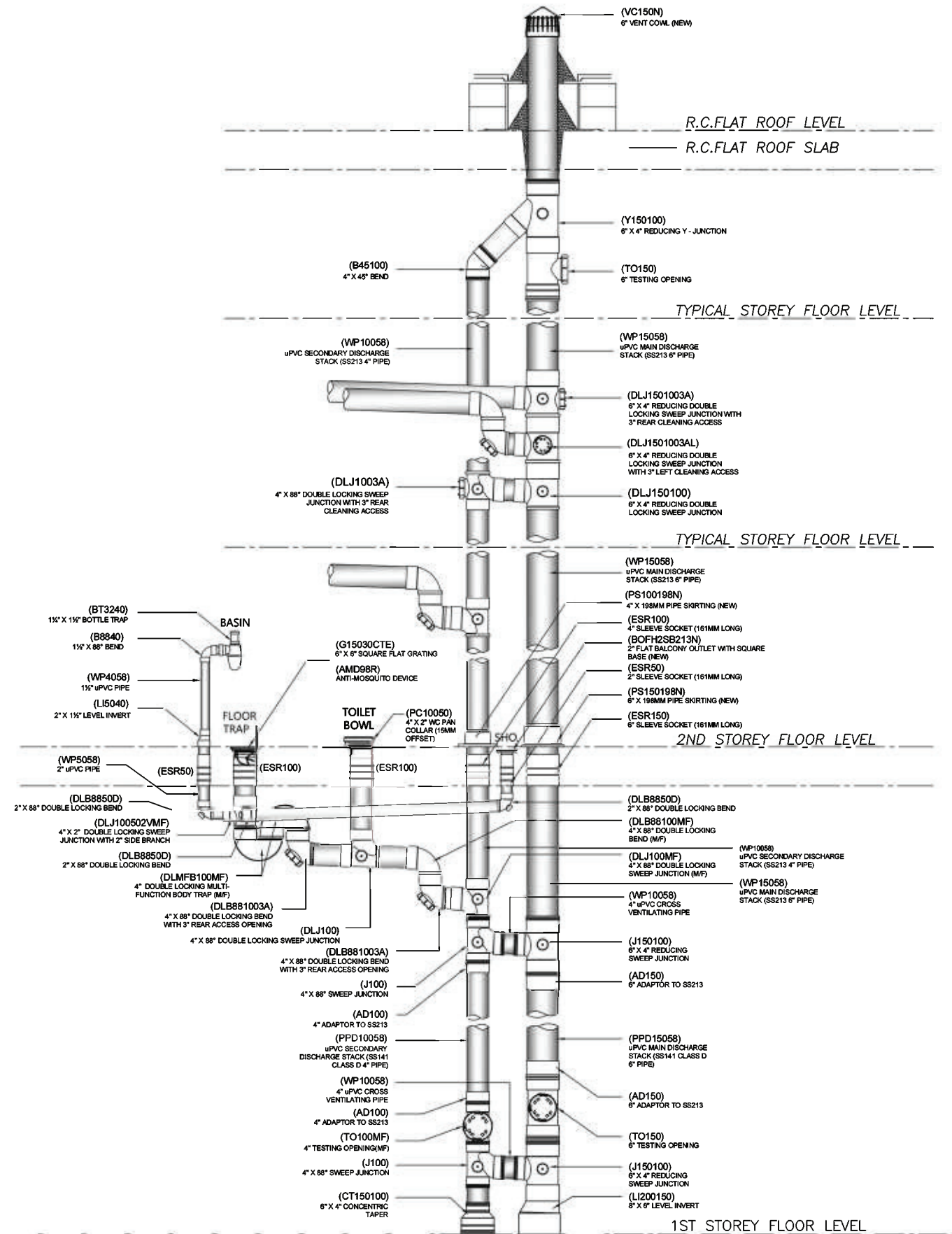
The impact strength of uPVC pipe and fittings decreases with reduction in temperature therefore increased care should be exercised if installations are carried out near 0°C.

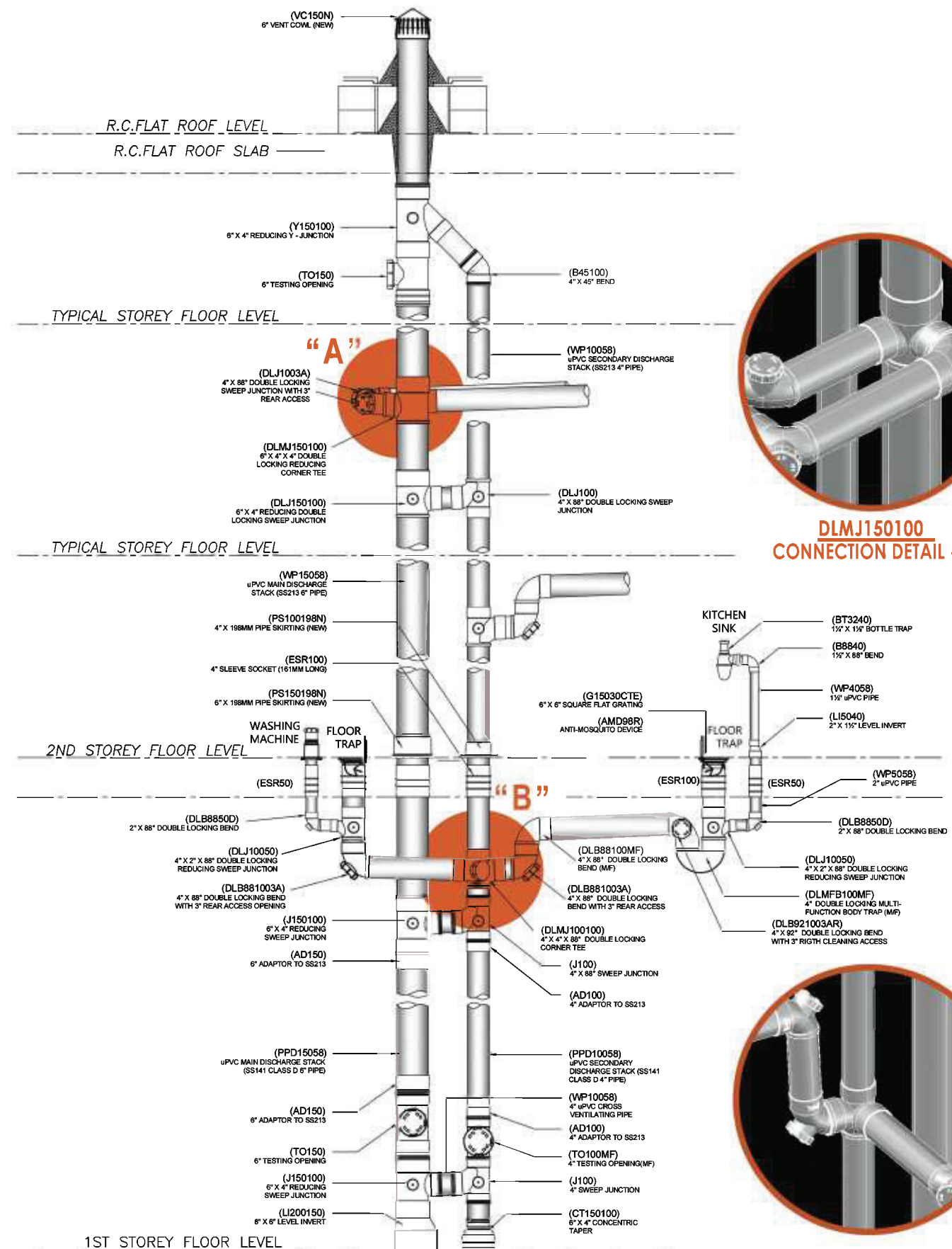
### Effect of Elevated Temperature

The uPVC remains stable under load to a temperature of approximately 75°C and is therefore satisfactory for use in soil or waste systems where continuous full bore discharges of effluent are unlikely to exceed this figure. The low thermal conductivity of the material does allow full bore discharges at higher temperatures provided the duration of discharge is limited to 2-3 minutes.

### Specialized Applications

The systems are more than adequate for normal domestic applications in low and multi-rise dwellings. Where more specialized applications, such as tea-makers, autoclaves, hospitals, industrial kitchens and laboratories are concerned, where prolonged discharges of liquids at elevated temperatures can occur.

**BATHROOM TYPICAL LAYOUT for HDB**



**DLMJ150100  
CONNECTION DETAIL - A**

**DLMJ100100  
CONNECTION DETAIL - B**

## KITCHEN TYPICAL LAYOUT for HDB

## PRODUCT RANGE

SOIL, WASTE,  
VENT SYSTEM

## FEATURES

- Designed & developed in Singapore
- High performing PVC-U system - meets temperature, pressure and size requirements for above ground drainage.
- High quality finish with smooth internal and external surfaces
- Excellent resistance to chemicals found in domestic effluent
- Complies with SS213: 1998 Equivalent to BS5255, BS4514 and AS/NZS 1260
- Backed by Lesso group, a global leader in plastic handling systems



## ADVANTAGES

- Complete system of pipes and fittings for Soil, Waste & Vent
- Proven track record at more than 40 years of delivering quality products
- Low installation cost and easy handling helps to reduce project cost
- Long term durability and performance minimizes cost of repairs
- Lead free formulation improved environment friendly
- System resistance to bacteria and fungi
- High flow capacity due to high quality finish



## APPLICATION

- Snow's Soil, Waste & Vent Systems are used in all types of construction
  - HDB and private residential projects
  - Commercial projects such as hotels, shopping malls and offices
  - Industrial buildings and factories



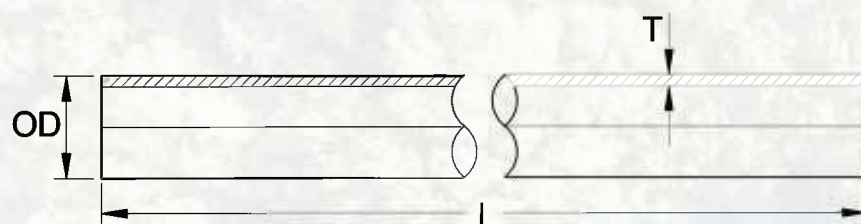


## SNOW Soil, Waste & Vent uPVC Pipes

STANDARD : SS213:1998 Equivalent to BS5255, BS4514, AS1415 & AS/NZS1260

COLOUR : White

MATERIAL : PolyVinyl Chloride (PVC)



PRODUCT CODE	NOMINAL MM(INCH)	MEAN- OD (MM)	THICKNESS - T MM(MIN)	LENGTH - L M
WP3258	32(1¼")	36.35	2.1	5.8
WP4058	40(1½")	42.95	2.3	5.8
WP5058	50(2")	55.85	2.4	5.8
WP6558	65(2½")	68.90	2.7	5.8
WP8058	80(3")	82.50	3.0	5.8
WP10058	100(4")	110.20	3.2	5.8
WP15058	150(6")	160.25	4.0	5.8



## PRODUCT RANGE

# SNOW

## UPVC PIPES

### FEATURES

- High quality finish smooth internal and external surfaces
- Provides low coefficient of flow friction
- Excellent resistance to chemical found in domestic effluent
- Size range - Pipes & Fittings
- Remains stable under elevated temperature



### ADVANTAGES

- Premium Formulation and Reliability
- High Drainage Performance
- Very Competitive
- Algae Resistance
- Easy to install, transport and handle
- Low maintenance cost
- Lead free formulation improves environmental friendliness



### APPLICATION

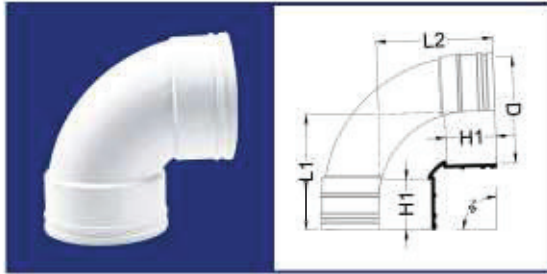
SNOW SWV uPVC Pipes are more commonly used in HDB projects, Private Condominium, Industrial and Commercial Buildings. And they are suitable to used also in Rainwater and other water discharge purposes above ground.



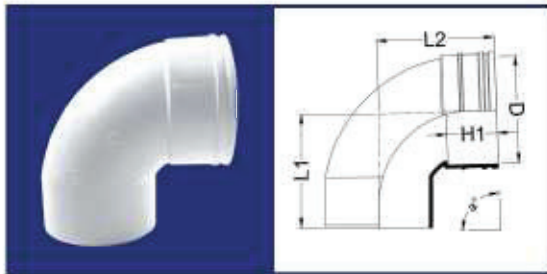
SNOW 100mm UPVC PIPE SS213 BS4514

**88° BEND (F/F)**

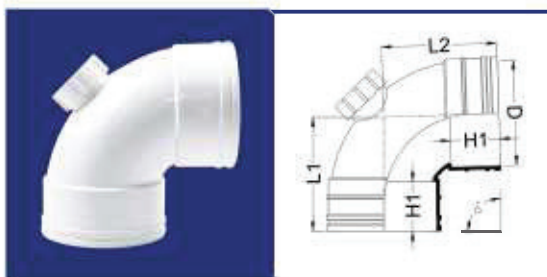
Includes 90° &amp; 92°



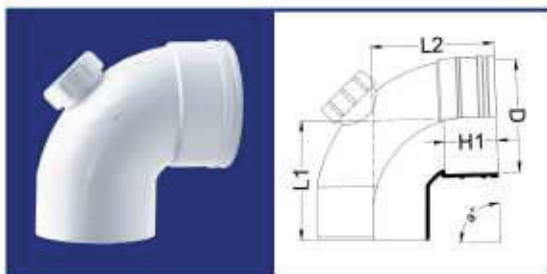
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8832	32(1¼")	88°	24	50	53	36
B8840	40(1½")	88°	27	52	62	43
B8850	50(2")	88°	32	74	74	56
B8880	80(3")	88°	45	109	112	83
B88100	100(4")	88°	52	120	121	110
B88150	150(6")	88°	77	200	203	161
B9040S	40(1½")	90°	28	52	52	43
B9280	80(3")	92°	45	97	97	83
B92100	100(4")	92°	52	128	134	110

**88° BEND (M/F)**

PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8832MF	32(1¼")	88°	24	50	53	36
B8840MF	40(1½")	88°	27	62	62	43
B8850MF	50(2")	88°	32	74	74	56
B8880MF	80(3")	88°	45	105	112	83
B88100MF	100(4")	88°	52	118	121	110
B88150MF	150(6")	88°	77	199	203	161

**88° BEND (F/F)(I/O)**

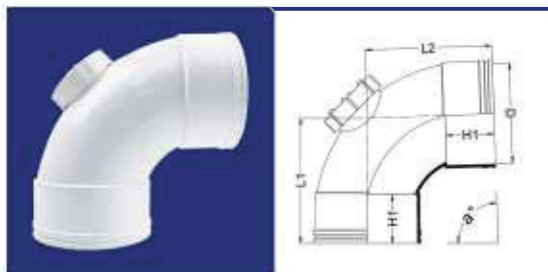
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8832D	32(1¼")	88°	24	50	53	36
B8840D	40(1½")	88°	27	62	62	43
B8850D	50(2")	88°	32	74	74	56
B8880D	80(3")	88°	45	105	112	83
B88100D	100(4")	88°	52	118	121	110
B88150D	150(6")	88°	77	199	203	161

**88° BEND (M/F)(I/O)**

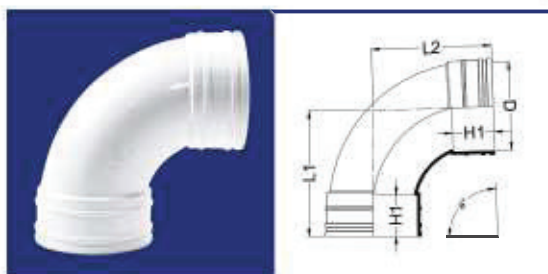
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8840MFD	40(1½")	88°	27	62	62	43
B8850MFD	50(2")	88°	32	74	74	56
B8880MFD	80(3")	88°	45	105	112	83
B88100MFD	100(4")	88°	52	118	121	110
B88150MFD	150(6")	88°	77	199	203	161

**88° BEND (F/F)(M/F)**

with Big Access



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B881503A	150(6")	88°	78	200	203	161
B881503AMF	150(6")	88°	78	200	203	161

**88° LONG BEND (F/F)**

PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8832L	32(1¼")	88°	24	50	53	36
B88100L	100(4")	88°	52	158	150	110

**88° LONG BEND (F/F)(IM/F)**

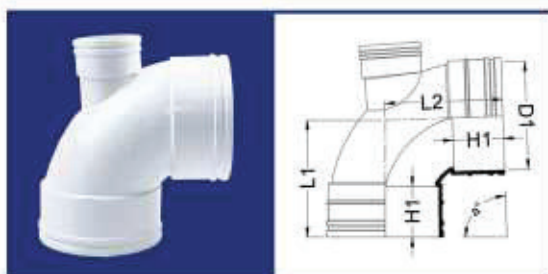
with Big Access



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B88100L4A	100(4")	88°	52	158	150	110
B88100L4AMF	100(4")	88°	52	158	150	110

**88° BEND (F/F)(M/F)**

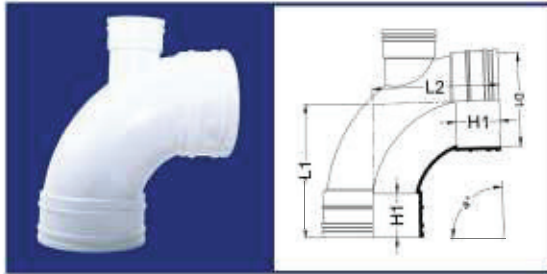
includes 92° with 2" Vent



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8810050	100X50(4"X2")	88°	52	120	121	110
B8810050MF	100X50(4"X2")	88°	52	118	121	110
B928050	80X50(3"X2")	92°	45	97	97	83
B9210050	100X50(4"X2")	92°	52	128	134	110

**88° LONG BEND (F/F)**

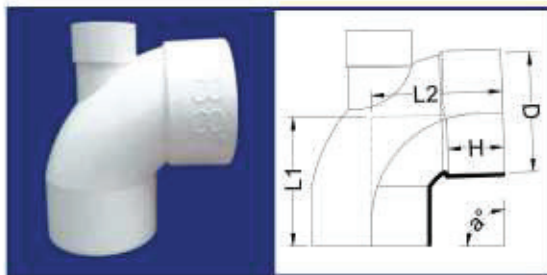
with 2" Vent



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8810050L	100X50(4"X2")	88°	52	158	150	110

**88° BEND(M/F) LONG**

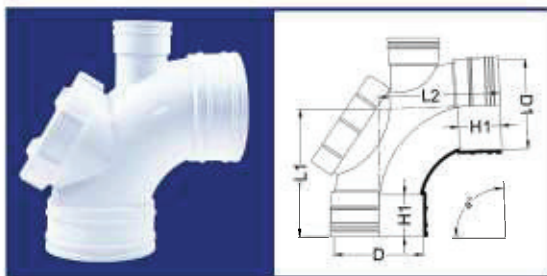
with 2" Vent



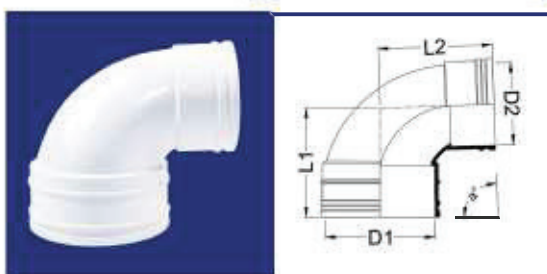
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8810050MFL	100X50(4"X2")	88°	52	120	121	110

**88° LONG BEND (F/F)**

with 2" Vent and Big Access



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B8810050L4A	100X50(4"X2")	88°	52	158	150	110

**88° REDUCING BEND (F/F)(M/F)**

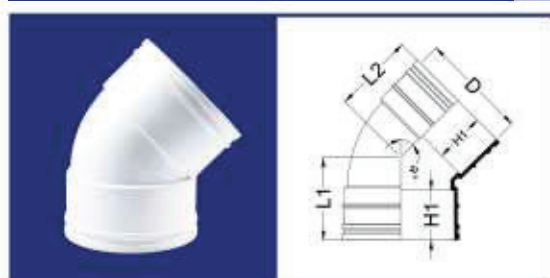
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		L1	L2	D1	D2
B8810080	100X80(4"X3)	88°	110	115	110	83
B8810080MF	100X80(4"X3")	88°	110	115	110	83

**88° REDUCING BEND (F/F)**

with 2" Vent



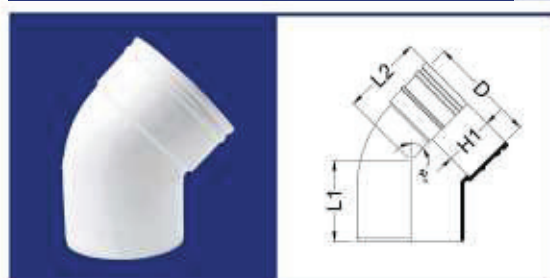
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B881008050	100X80(4"X3")	88°	110	115	110	83

**45° BEND (F/F)**

PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B4532	32(1½")	45°	23	35	35	36
B4540	40(1½")	45°	27	38	42	43
B4550	50(2")	45°	31	44	44	56
B4580	80(3")	45°	45	78	82	83
B45100	100(4")	45°	52	83	83	111
B45150	150(6")	45°	77	130	131	161

**45° BEND (M/F)**

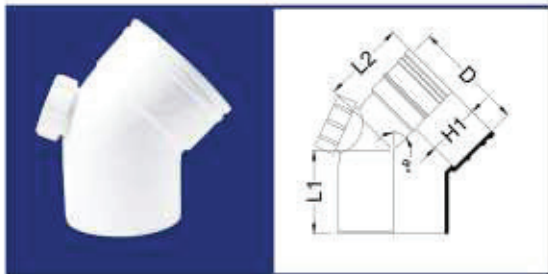
including 43° Bend



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B4540MF	40(1½")	45°	27	38	42	43
B4550MF	50(2")	45°	31	44	44	56
B4580MF	80(3")	45°	45	78	82	83
B45100MF	100(4")	45°	52	83	83	111
B45150MF	150(6")	45°	77	130	131	161
B43100MF	100(4")	43°	52	106	82	110

**45° BEND (F/F)(I/O)**

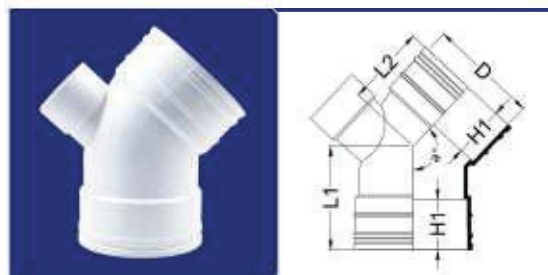
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
B4540D	40(1½")	45°	27	38	42	43
B4550D	50(2")	45°	31	44	44	56
B4580D	80(3")	45°	45	78	82	83
B45100D	100(4")	45°	52	83	83	111
B45150D	150(6")	45°	77	130	131	161

**45° BEND (M/F)(I/O)**

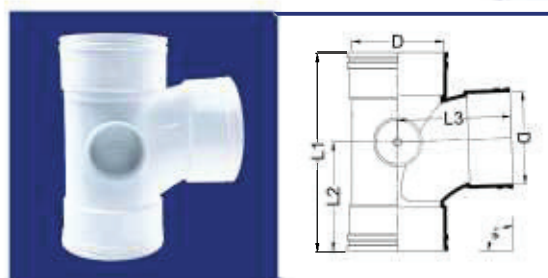
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	H1	L1	L2
B4540MFD	40{1½"}	45°	27	38	42	43
B4550MFD	50{2"}	45°	31	47	44	56
B4580MFD	80{3"}	45°	45	78	82	83
B45100MFD	100{4"}	45°	52	83	83	110
B45150MFD	150{6"}	45°	77	130	131	161

**43° BEND (F/F)(M/F)**

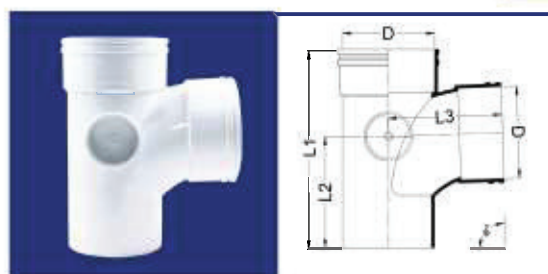
with 2" Vent



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)	Φ	H1	L1	L2	D
B4310050	100X50(4"X2")	43°	52	106	82	110
B4310050MF	100X50 4" X2"	43°	52	106	82	110

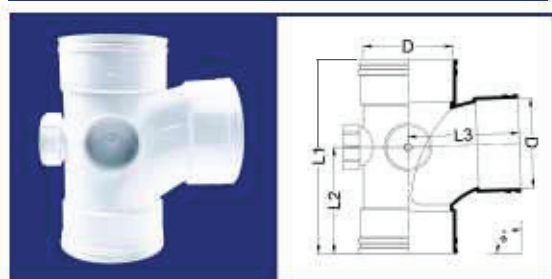
**88° SWEEP JUNCTION (F/F)**

PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	L1	L2	L3
J32	32(1¼")	88°	110	66	52	36
J40	40(1½")	88°	111	62	58	43
J50	50(2")	88°	129	69	69	56
J80	80(3")	88°	205	115	115	83
J100	100(4")	88°	239	131	137	110
J150	150(6")	88°	380	223	210	161

**88° SWEEP JUNCTION (M/F)**

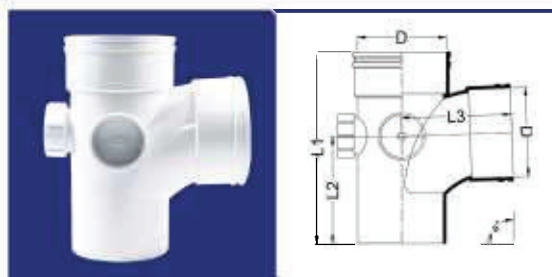
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	L1	L2	L3
J50MF	50(2")	88°	129	69	69	56
J80MF	80(3")	88°	205	115	115	83
J100MF	100(4")	88°	239	131	137	110
J150MF	150(6")	88°	370	223	210	161

## 88° SWEEP JUNCTION (F/F)(I/O)



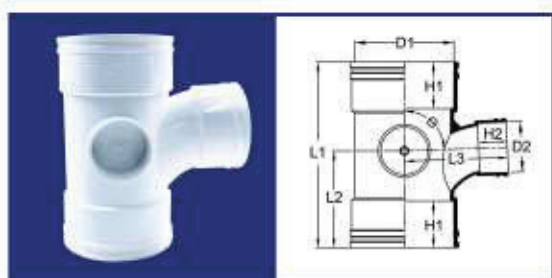
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		L1	L2	L3	D
J32D	32(1¼")	88°	110	66	52	36
J40D	40(1½")	88°	111	62	58	43
J50D	50(2")	88°	129	69	69	56
J80D	80(3")	88°	205	115	115	83
J100D	100(4")	88°	239	131	137	110
J150D	150(6")	88°	380	223	210	161

## 88° SWEEP JUNCTION (M/F)(I/O) with Inspection Opening



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		L1	L2	L3	D
J50MFD	50(2")	88°	129	69	69	56
J80MFD	80(3")	88°	205	115	115	83
J100MFD	100(4")	88°	239	131	137	110
J150MFD	150(6")	88°	370	223	210	161

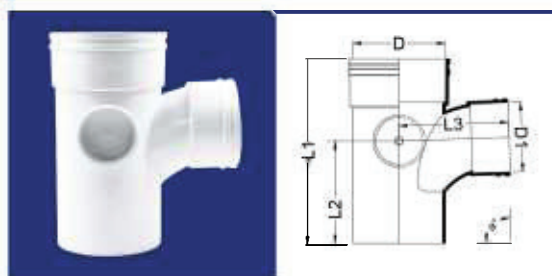
## 88° REDUCING S. JUNCTION (F/F)



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		L1	L2	L3	D	D1
J5032	50X32(2"X1¼")	88°	123	67	64	56	36
J5040	50X40(2"X1½")	88°	123	66	68	56	43
J8050	80X50(3"X2")	88°	191	97	98	83	56
J10050	100X50(4"X2")	88°	207	108	115	110	56
J10080	100X80(4"X3")	88°	220	122	131	110	83
J150100	150X100(6"X4")	88°	318	173	166	161	110
J8050P*	80X50(3"X2")	88°	191	97	98	89	56

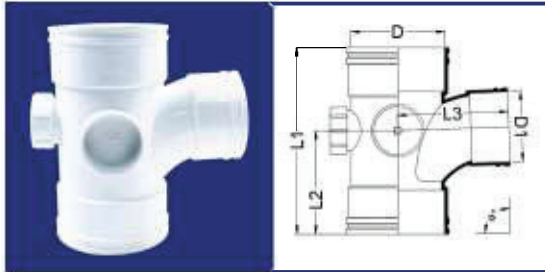
\* SS213 to SS174

## 88° REDUCING S. JUNCTION (M/F)



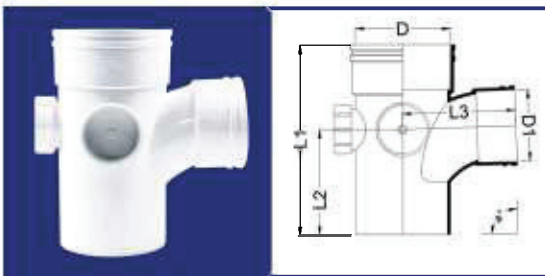
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		L1	L2	L3	D	D1
J8050MF	80X50(3"X2")	88°	191	97	98	83	56
J10050MF	100X50(4"X2")	88°	207	108	115	115	56
J10080MF	100X80(4"X3")	88°	220	122	131	131	83
J150100MF	150X100(6"X4")	88°	318	173	166	166	110

## 88° REDUCING S.JUNCTION (F/F) (I/O) with Inspection Opening



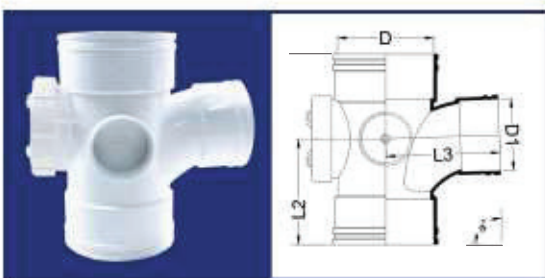
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D D1
J5040D	50X40(2"X1½")	88°	123	66	68	56	43
J8050D	80X50(3"X2")	88°	191	97	98	83	56
J10050D	100X50(4"X2")	88°	207	108	115	110	56
J10080D	100X80(4"X3")	88°	220	122	131	110	83
J150100D	150X100(6"X4")	88°	318	173	166	161	110

## 88° SWEEP JUNCTION (M/F)(I/O) with Inspection Opening



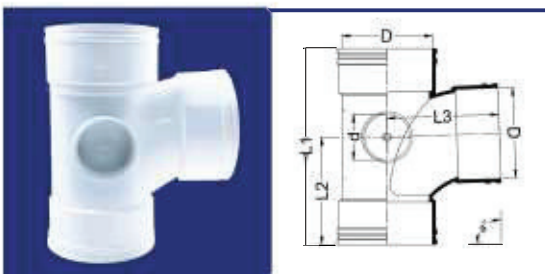
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D D1
J8050MFD	80X50(3"X2")	88°	191	97	98	83	56
J10050MFD	100X50 4"X2"	88°	207	108	115	110	56
J10080MFD	100X80(4"X3")	88°	220	122	131	110	83
J150100MFD	150X100(6"X4")	88°	318	173	166	161	110

## 88° REDUCING S. JUNCTION (F/F) with 4" Cleaning Access



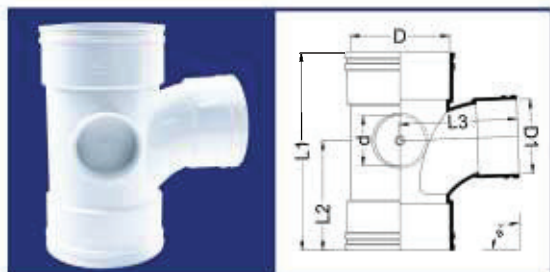
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D D1
J1501004A	150X100(6"X4")	88°	318	173	166	161	110

## 88° SWEEP JUNCTION (F/F)(M/F) with 2" Sides Socket Branch



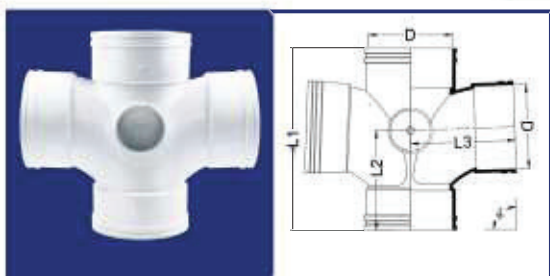
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D d
J1002V	100(4")	88°	239	131	137	110	56
J1002VMF	100(4")	88°	239	131	137	110	56

## 88° REDUCING S. JUNCTION (F/F) (M/F) with 2" Sides Socket Branch



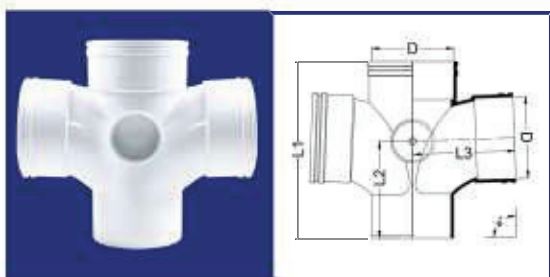
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)					
	MM(in)		Φ	L1	L2	L3	D	D1
J100502V	100X50(4"X2")	88°	207	108	115	110	56	56
J100502VMF	100X50(4"X2")	88°	207	108	115	110	56	56
J100802VMF	100X80(4"X3")	88°	220	122	131	110	83	56

## 88° CROSS TEE S. JUNCTION (F/F)



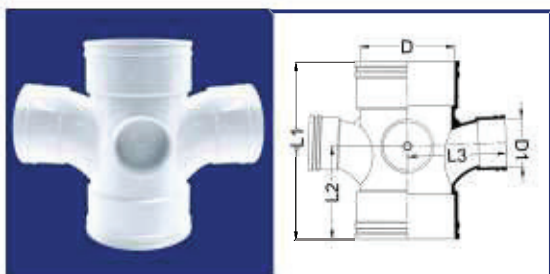
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	L1	L2	L3
JJ5050	50X50(2"X2")	88°	129	69	69	56
JJ8080	80X80(3"X3")	88°	205	115	114	83
JJ100100	100X100(4"X4")	88°	239	134	137	110

## 88° CROSS TEE S. JUNCTION (M/F)



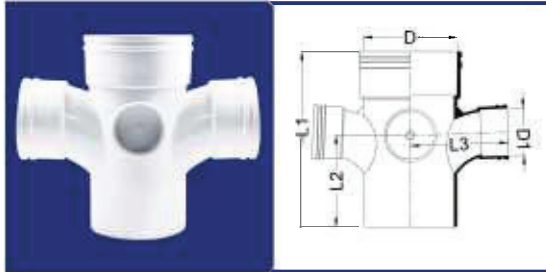
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	L1	L2	L3
JJ8080MF	80X80(3"X3")	88°	205	115	114	83
JJ100100MF	100X100(4"X4")	88°	239	134	137	110

## 88° REDUCING CROSS TEE SWEEP JUNCTION (F/F)



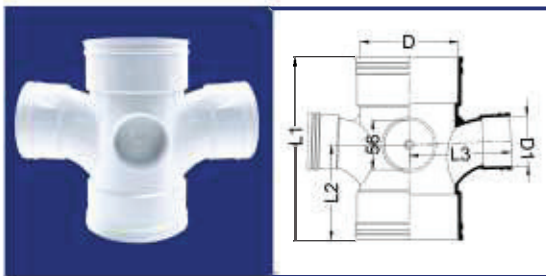
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D1
JJ10050	100X50(4"X2")	88°	207	108	115	110	56
JJ10080	100X80(4"X3")	88°	220	122	131	110	83
JJ150100	150X100(6"X4")	88°	318	173	166	161	110

## 88° REDUCING CROSS TEE SWEEP JUNCTION (M/F)



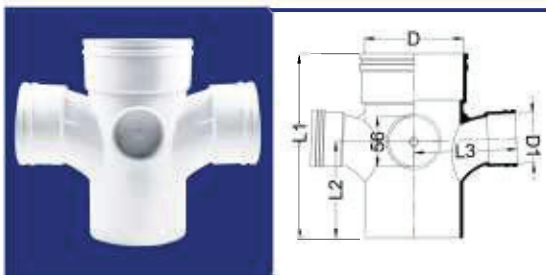
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	L1	L2	L3	D	D1	
JJ10050MF	100X50(4"X2")	88°	207	108	115	110	56	
JJ10080MF	100X80(4"X3")	88°	220	122	131	110	83	
JJ150100MF	150X100(6"X4")	88°	318	173	166	161	110	

## 88° RED. CROSS TEE S. JUNCTION (F/F) with 2" Socket Branch



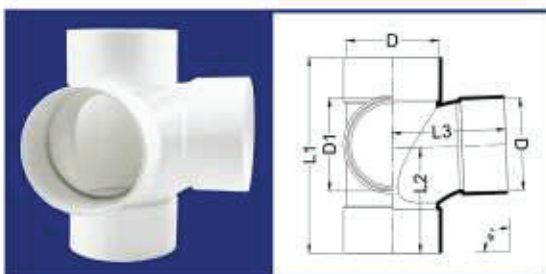
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	L1	L2	L3	D	D1	
JJ100502V	100X50(4"X2")	88°	207	108	115	110	56	
JJ100802V	100X80(4"X3")	88°	220	122	131	110	83	

## 88° RED. CROSS TEE S. JUNCTION (M/F) with 2" Socket Branch



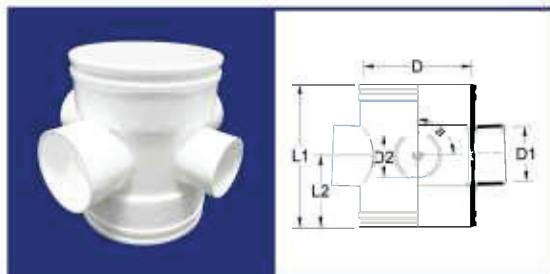
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	L1	L2	L3	D	D1	
JJ100502VMF	100X50(4"X2")	88°	207	108	115	110	56	
JJ100802VMF	100X80(4"X3")	88°	220	122	131	110	83	

## 88° CORNER TEE (F/F)(M/F)



PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	L1	L2	L3	D	D1	
MJ100100	100X100(4"X4")	88°	239	125	135	110	110	
MJ100100MF	100X100(4"X4")	88°	239	125	135	110	110	

## 88° RISER REDUCTION TEE (F/F)(M/F)



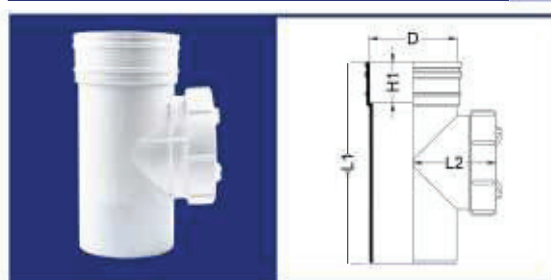
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	D	D1 D2
RRJ1005040	100X50X40(4"X2"X1½")	88°	147	72	110	56	43
RRJ1005040MF	100X50X40(4"X2"X1½")	88°	125	135	110	56	43

## TESTING OPENING (F/F)



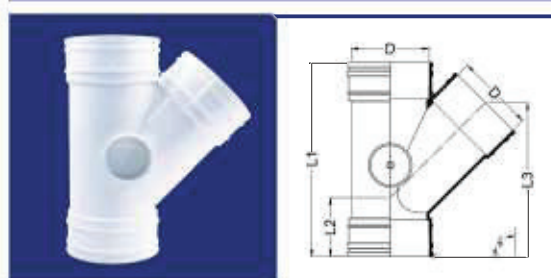
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	L2	D
TO80	80(3")	46	212	83	83
TO100	100(4")	52	256	105	110
TO150	150(6")	77	312	132	161

## TESTING OPENING (M/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	L2	D
TO80MF	80(3")	46	212	83	83
TO100MF	100(4")	52	256	105	110
TO150MF	150(6")	77	312	132	161

## 45° Y-JUNCTION (F/F)(M/F)



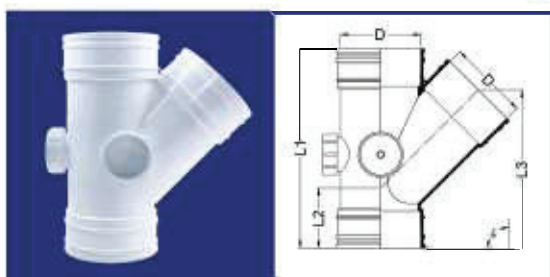
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	L1	L2	L3 D
Y50	50(2")	45°	156	49	125	56
Y80	80(3")	45°	225	70	180	83
Y100	100(4")	45°	276	84	219	110
Y150	150(6")	45°	400	116	313	161
Y200	200(8")	45°	428	107	335	200
Y100MF	100(4")	45°	276	84	219	110

## 45° REDUCING Y-JUNCTION (F/F)(M/F)



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D
Y10050	100X50(4"X2")	45°	227	63	115	110	56
Y10080	100X80(4"X3")	45°	258	82	122	110	83
Y150100	150X100(6"X4")	45°	380	102	263	161	110
Y200150	200X150(8"X6")	45°	375	79	279	200	161
Y10050MF	100X50(4"X2")	45°	227	63	115	110	56
Y10080MF	100X80(4"X3")	45°	258	82	122	110	83

## 45° Y - JUNCTION (F/F)(I/O) with Inspection Opening



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		Φ	L1	L2	L3
Y80D	80(3")	45	225	70	180	83
Y100D	100(4")	45	276	84	219	110

## 45° RED. Y - JUNCTION (F/F)(I/O) with Inspection Opening



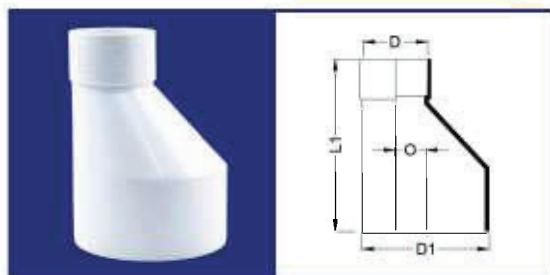
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		Φ	L1	L2	L3	D
Y150100D	150X100(6"X4")	45	380	102	263	161	110

## LEVEL INVERT TAPER (F/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	O	D	D1
LI5040	50X40(2"X1½")	88	7	43	56
LI10050	100X50(4"X2")	150	27	56	110
LI200150	200X150(8"X6")	250	16	161	202

## LEVEL INVERT TAPER (M/F)



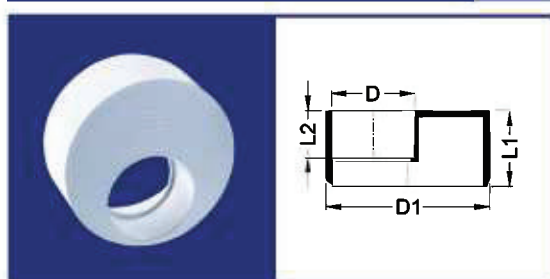
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	O	D	D1
LI5040MF	50X40(2"X1½")	88	7	43	56
LI8050MF	80X50(3"X2")	121	13	56	83
LI10050MF	100X50(4"X2")	150	27	56	110
LI10080MF	100X80(4"X3")	150	13	83	110
LI150100MF	150X100(6"X4")	138	25	110	161
LI200150MF	200X150(8"X6")	250	16	161	202

## CONCENTRIC TAPER (F/F)(M/F)



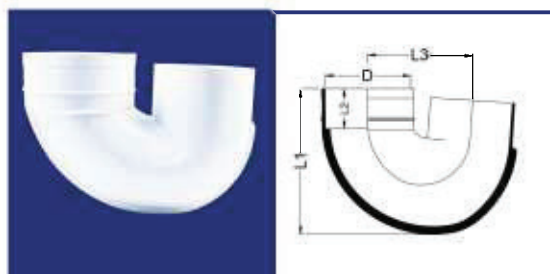
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	H1	H2	L1	D	D1
CT10080	100X80(4"X3")	52	45	112	83	110
CT150100	150X100(6"X4")	77	52	161	110	161
CT10080MF	100X80(4"X3")	52	45	112	83	110

## REDUCING BUSH



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	L2	D	D1
RB4032	40X32(1½"X1¼")	29	24	36	43
RB5032	50X32(2"X1¼")	33	24	36	56
RB5040	50X40(2"X1½")	32	30	43	56
RB8050	80X50(3"X2")	45	32	56	83
RB10050	100X50(4"X2")	51	32	56	110
RB10080	100X80(4"X3")	54	47	83	110
RB150100	150X100(6"X4")	78	52	110	161

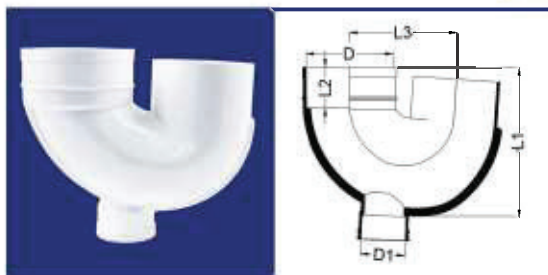
## U-TRAP BODY (M/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	L2	L3	D
UB100MF	100(4")	189	52	136	110

**U-TRAP BODY (M/F)**

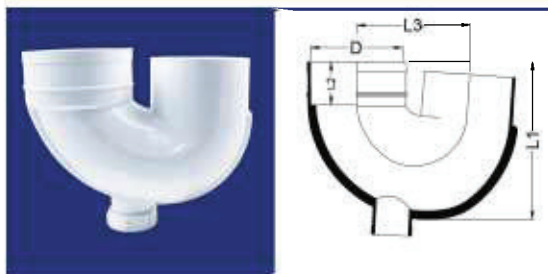
with 2" Vent



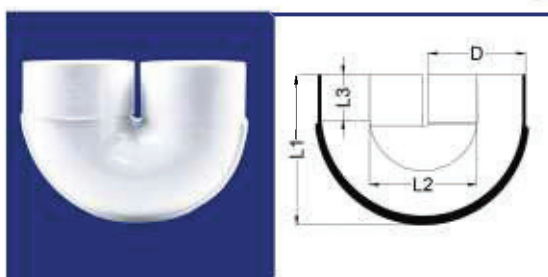
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	L2	L3	D	D1
UB10050MF	100X50(4"x2")	189	52	136	110	56

**U - TRAP BODY (M/F)(I/O)**

with Inspection Opening



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	L2	L3	D	
UB100MFD	100(4")	189	52	136	110	

**MULTI FUNCTION TRAP BODY(M/F)**

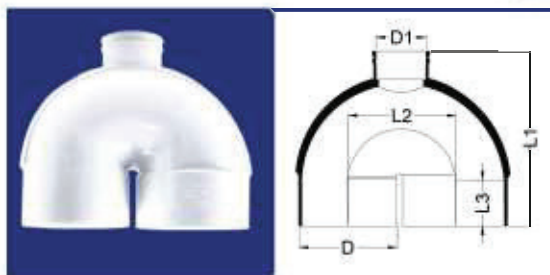
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	L2	L3	D	
MFB80MF	80(3")	134	108	45	83	
MFB100MF	100(4")	171	121	52	110	

**MULTI FUNCTION TRAP BODY (M/F)(I/O)**

PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	L2	L3	D	
MFB80MFD	80(3")	134	108	45	83	
MFB100MFD	100(4")	171	121	52	110	

## MULTI FUNCTION TRAP BODY

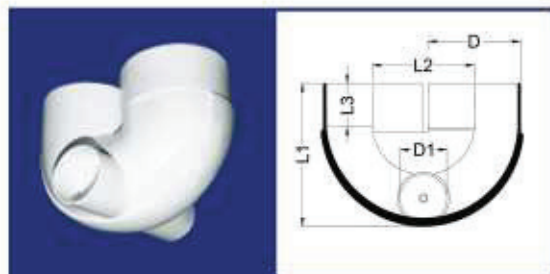
With 2" Vent



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)				
		L1	L2	L3	D	D1
MFB8050MF	80X50(3"x2")	159	108	45	83	56
MFB10050MF	100X50(4"x2")	197	121	52	110	56

## MULTI FUNCTION TRAP BODY(M/F)

with 2" Side Vent



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)				
		L1	L2	L3	D	D1
*MFB1002VMF	100(4")	171	121	52	110	56
* For Export						

## LOOSE SOCKET



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)	
		L1	D
LS100A	100(4")	105	110
LS150A	150(6")	160	161

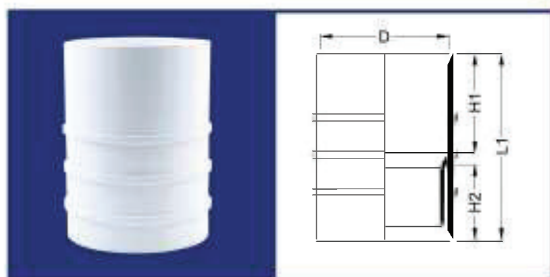
## STRAIGHT SOCKET



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)		
		H1	L1	D
S32	32(1¼")	24	52	36
S40	40(1½")	27	58	43
S50	50(2")	31	63	56
S80	80(3")	45	93	83
S100	100(4")	52	107	110
S150	150(6")	77	160	161

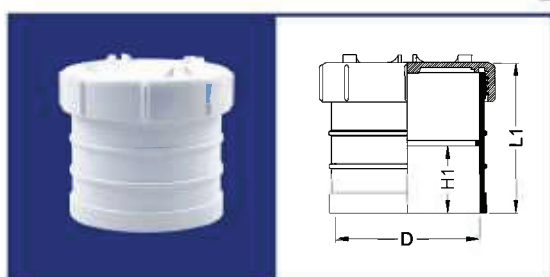
## EXPRESS SPEED RECEIVER

(Sleeve Socket)



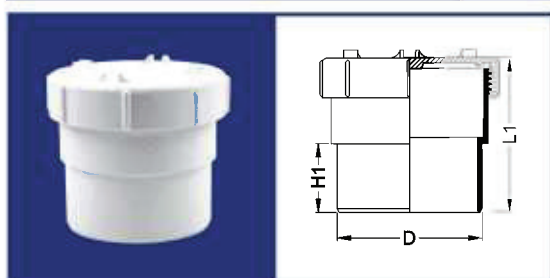
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
		MM(in)	H1	H2	L1 D
ESR50	50(2")		107	43	161 56
ESR50L	50(2")		127	43	200 56
ESR50(130MM)	50(2")		76	43	130 56
ESR80	80(3")		108	45	161 83
ESR100	100(4")		86	65	161 110
ESR100(130MM)	100(4")		55	65	130 110
ESR100L	100(4")		96	65	200 110
ESR150	150(6")		77	79	161 160
ESR150L	150(6")		116	79	200 160

## ACCESS CAP (F/F)



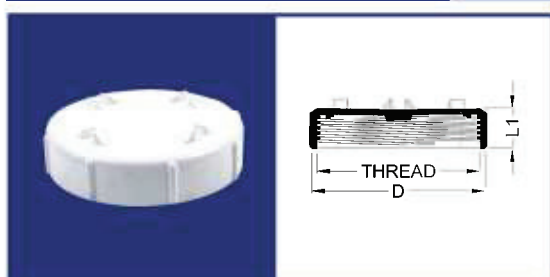
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
		MM(in)	H1	L1 D
AC32	32(1¼")		23	54 36
AC40	40(1½")		28	62 43
AC50	50(2")		30	71 56
AC80	80(3")		45	100 83
AC100	100(4")		52	116 110
AC150	150(6")		77	173 161

## ACCESS CAP (M/F)



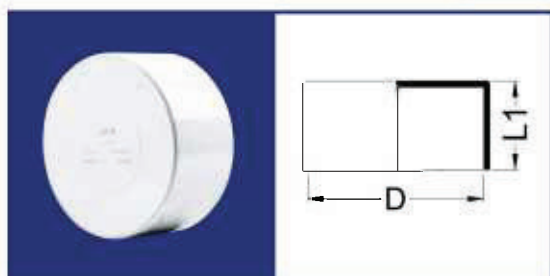
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
		MM(in)	H1	L1 D
AC32MF	32(1¼")		23	54 36
AC40MF	40(1½")		28	62 43
AC50MF	50(2")		30	71 56
AC80MF	80(3")		45	100 83
AC100MF	100(4")		52	116 110
AC150MF	150(6")		77	173 161

## ACCESS CAP COVER



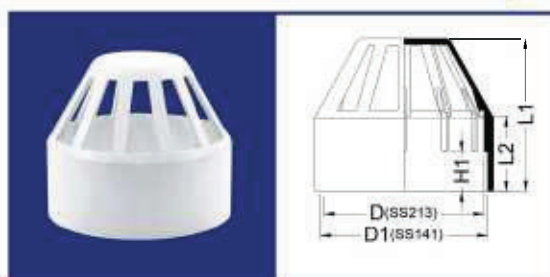
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
		MM(in)	L1 D
AC32C	32(1¼")		13 48
AC40C	40(1½")		15 56
AC50C	50(2")		18 70
AC80C	80(3")		26 102
AC100C	100(4")		31 132
AC150C	150(6")		33 184

## PUSH ON CAP



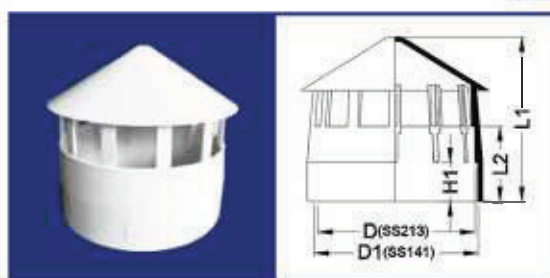
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
	MM(in)	L1	D
POC32	32(1¼")	41	36
POC40	40(1½")	48	43
POC50	50(2")	63	56
POC80	80(3")	90	83
POC100	100(4")	118	110
POC150	150(6")	171	161

## VENT COWL



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	H1	L1	L2	D	D1
VC50	50(2")	18	76	33	56	60
VC80	80(3")	20	80	38	83	89
VC100	100(4")	27	104	52	110	114
VC150	150(6")	19	134	60	161	168

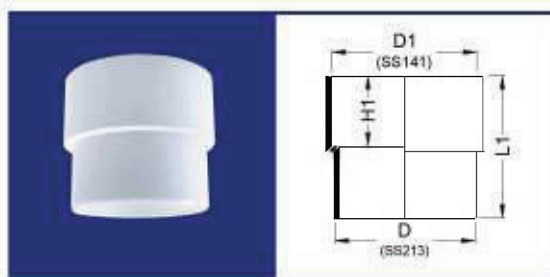
## VENT COWL (NEW)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	H1	L1	L2	D	D1
VC100N	100(4")	27	114	52	110	114
VC150N	150(6")	29	170	73	161	168

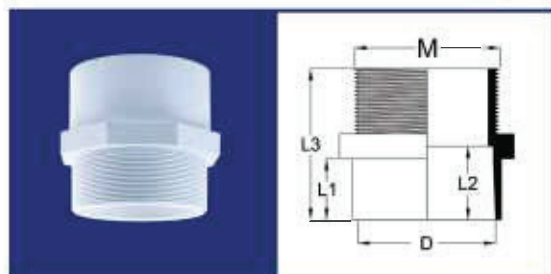
## ADAPTOR

(SS141 TO SS213)



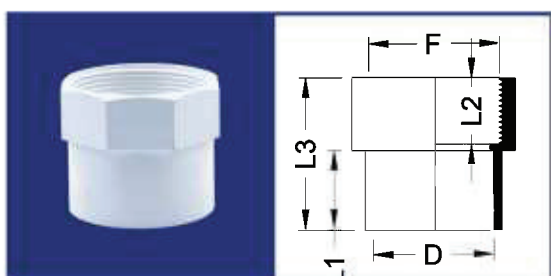
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	D	D1
AD32	32(1¼")	25	54	36.3	42
AD40	40(1½")	26	60	42.9	48
AD50	50(2")	31	66	55.8	60
AD80	80(3")	50	98	82.5	88
AD100	100(4")	52	105	110.2	114
AD150	150(6")	76	158	160.2	168

## MALE IRON CONNECTOR



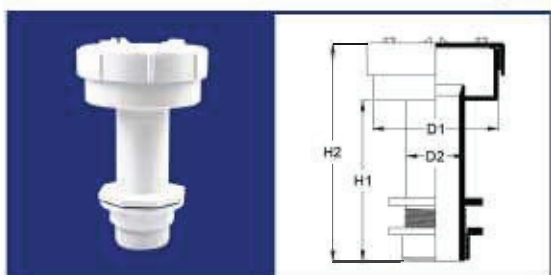
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	L2	L3	D	M(BSP)
MIC32	32(1¼")	20	24	47	37	1½"
MIC40	40(1½")	20	28	51	43	1½"
MIC50	50(2")	31	34	75	56	2"
MIC80	80(3")	37	45	92	83	3"
MIC100	100(4")	56	52	119	118	4"

## FEMALE IRON CONNECTOR



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	L2	L3	D	F(BSP)
FIC32	32(1¼")	24	20	46	42	1¼"
FIC40	40(1½")	30	28	66	49	1½"
FIC50	50(2")	34	22	56	62	2"

## AIR VENT



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	H2	D1	D2
AV100	100(4")	154	210	120	56

## SHALLOW FLOOR TRAP GULLY



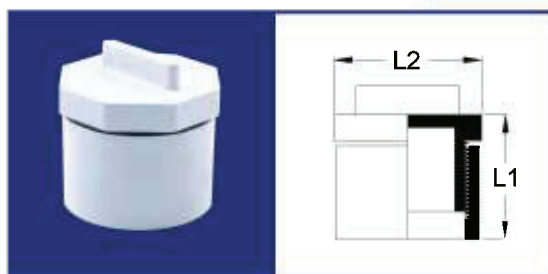
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)					
	MM(in)	L1	L2	L3	D	D1	D2
SFT1007550N	100X75X50	152	50	25	110	83	56
		(4"X3"X2")					
		L2 - Water Seal					
		L3 - Passage Clearance					

## WEATHERING APRON



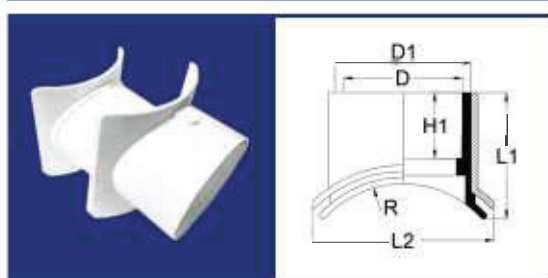
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	H1	D	D1
WA100	100(4")	69	34	134	110
WA150	150(6")	84	46	195	161

## SCREW CAP



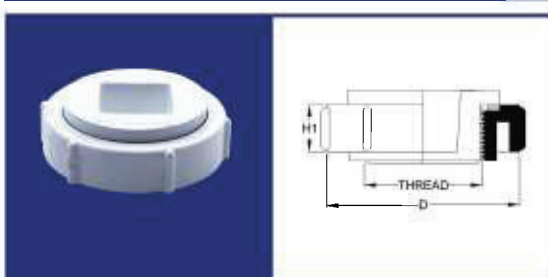
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
	MM(in)	L1	D
SP50	50(2")	48	57

## BOSS CONNECTOR



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	H1	L1	R	D	D1
BC10050	100X50(4"X2")	31	60	55	56	64

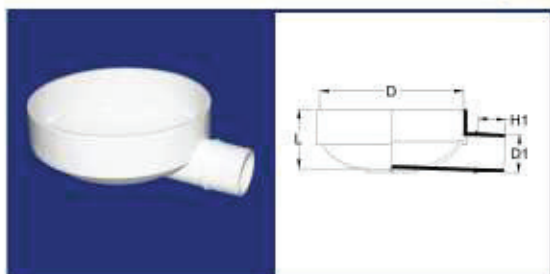
## BOSS ADAPTOR



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
	MM(in)	H1	D
BA32	32(1 1/4")	16	66

## MINI FLOOR TRAP BODY

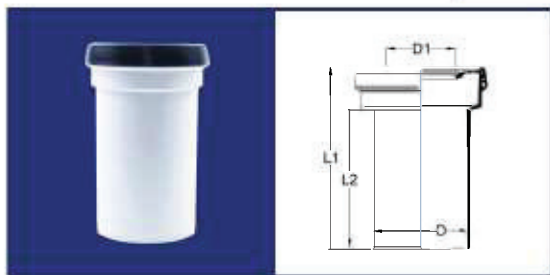
with 40mm Inlet



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		H1	L	D	D1
MFTB15040	150X40(6"X1½")	27	45	140	40
MFTB15040L	150X40(6"X1½")	27	65	140	40

## WC STRAIGHT CONNECTOR

Long Spigot



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		L1	L2	D	D1
PC100200	100(4")	208	158	110	80

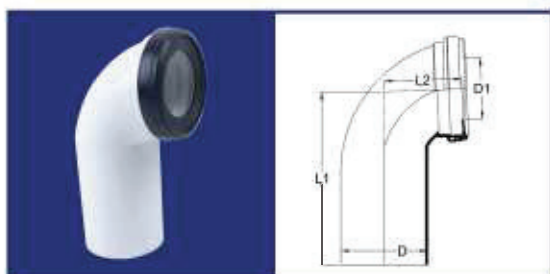
## PAN COLLAR (SPIGOT END) & PAN COLLAR BASE



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		H1	H2	D	D1
PC100	100(4")	80	28	103	83
PCB100	100(4")	76	28	103	83

## WC BEND CONNECTOR

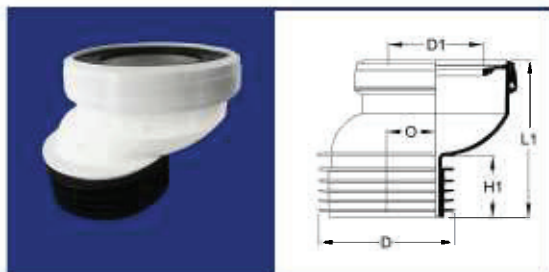
Long Spigot



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		L1	L2	D	D1
PC100300	100(4")	218	98	110	80

## PAN COLLAR

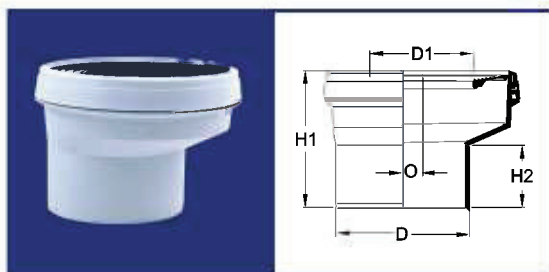
with Rubber Ring



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)				
		L1	H1	D	D1	O
PC10040R	100X40(4"X1½")	115	45	90-99	70	36
PC10050L50R	100X50(4"X2")	128	50	90-99	80	50
PC10065L50R	100X65(4"X2½")	130	50	90-99	80	65

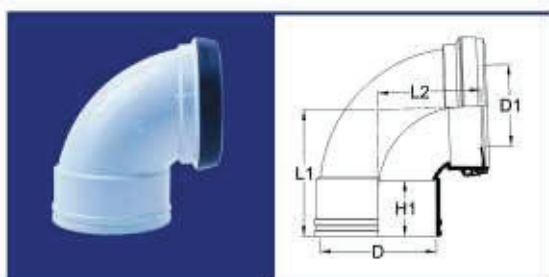
## PAN COLLAR

Offset



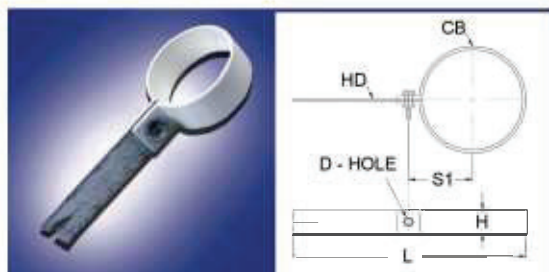
PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)				
		L1	H1	D	D1	O
PC10050	100X50(4"X2")	106	48	103	80	15
PC100100	100X100(4"X4")	156	98	103	80	15
PC100150	100X150(4"X6")	206	148	103	80	15
PC10065H76	100X65(4"X2½")	126	50	103	80	65
PC10040	100X40(4"X1½")	128	50	103	70	40
PC10065L50	100X65(4"X2½")	130	52	103	80	65
PC10050L50	100X50(4"X2")	126	50	103	80	50

## WC BEND CONNECTOR



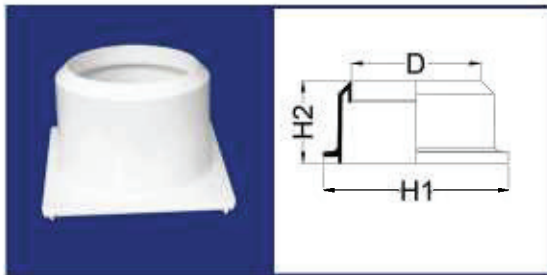
PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)				
		H1	L1	L2	D	D1
PC100B	100(4")	54	121	98	110	80

## COLLAR BRACKET & HOT DIP



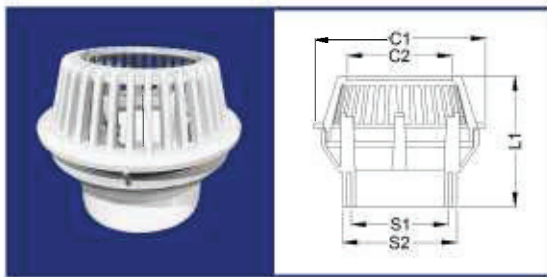
PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		L1	S1	L	D
CB80	80(3")	37	62		
CB100	100(4")	37	74		
CB150	150(6")	38	100		
CB200	200(8")	38	120		
HD6	150(6")	38		150	11
HD8	200(8")	38		300	11
HD10	250(10")	38		300	11

## SQUARE BASE PIPE SKIRTING (NEW)



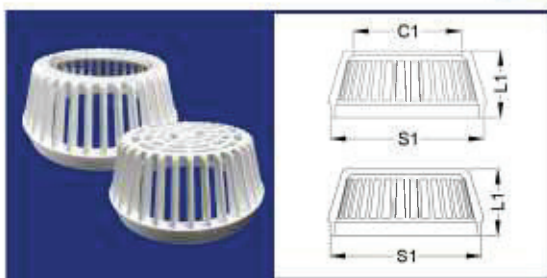
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	H1	H2	D
PS100198N	100(4")	198	88	110
PS150198N	150(6")	198	88	161

## BALCONY OUTLET (ROUND BASE)



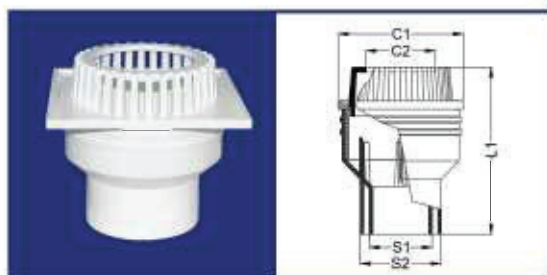
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	C1	C2	S1	S2
BO3RB213	80(3")	116	149	83	75	102

## BALCONY OUTLET COVER



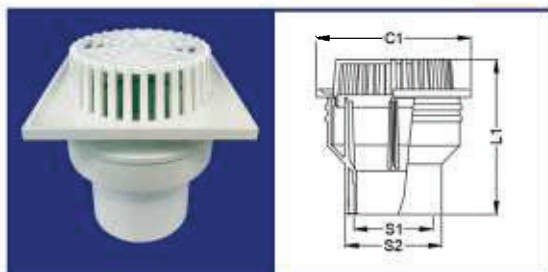
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L1	C1	S1
C3RB213	80(3")	58	83	128
C3RB141	80(3")	58	90	128
CD3RB(C)	80(3")	58		128

## BALCONY OUTLET (SQUARE BASE)



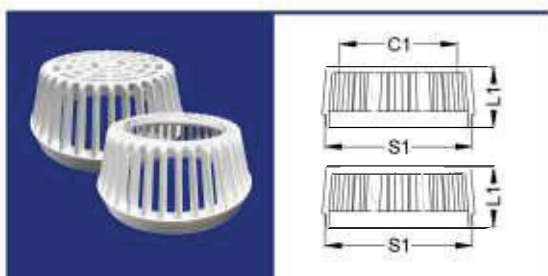
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM(in)	L1	C1	C2	S1	S2
BO3SB141	80(3")	200	150	89	75	97
BO4SB141	100(4")	200	198	115	100	114
BO6SB141	150(6")	240	235	169	151	168
BO3SB213	80(3")	200	150	83	75	97
BO4SB213	100(4")	200	198	111	100	110
BO6SB213	150(6")	240	235	161	151	160

## DOMe BALCONY OUTLET (SQUARE BASE)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BOD3SB213	80(3")	200	150	75	97
BOD4SB213	100(4")	200	198	100	110
BOD6SB213	150(6")	240	235	151	160

## DOMe BALCONY OUTLET COVER



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L1	C1	S1
C3SB141	80(3")	58	89	119
C4SB141	100(4")	61	115	149
C6SB141	150(6")	75	169	202
C3SB213	80(3")	58	83	119
C4SB213	100(4")	61	111	149
C6SB213	150(6")	75	161	202
CD3SB(C)	80(3")	58		119
CD4SB(C)	100(4")	61		149
CD6SB(C)	150(6")	75		202

## BALCONY OUTLET BODY



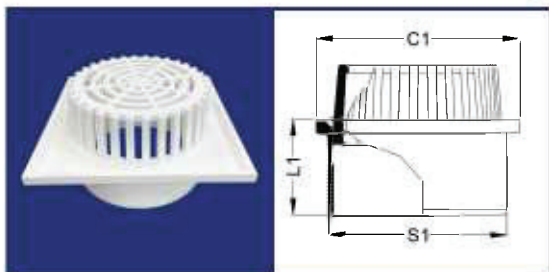
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BOB3SB	80(3")	150	132	75	97
BOB4SB141	100(4")	150	160	100	110
BOB6SB141	150(6")	180	214	151	160
BOB4SB213	100(4")	150	160	100	110
BOB6SB213	150(6")	180	214	151	160

## 3" BALCONY OUTLET SQUARE BASE ONLY



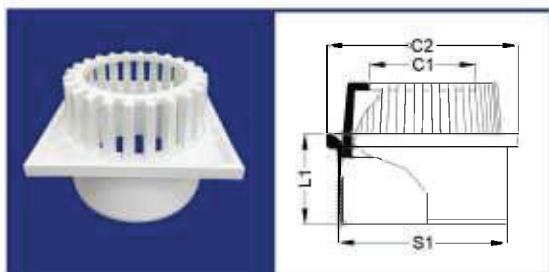
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L1	C1	S1
BSQB3 (213/141)	80(3")	70	150	130

## DOME BALCONY OUTLET SQUARE BASE & COVER ONLY



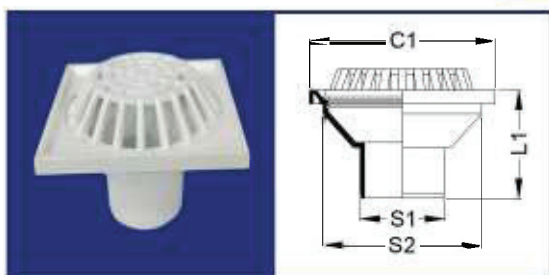
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L1	C1	S1
COD3SB	50(2")	70	150	132
COD4SB	50(2")	70	198	160
COD6SB	50(2")	75	235	214

## BALCONY OUTLET SQUARE BASE & COVER ONLY



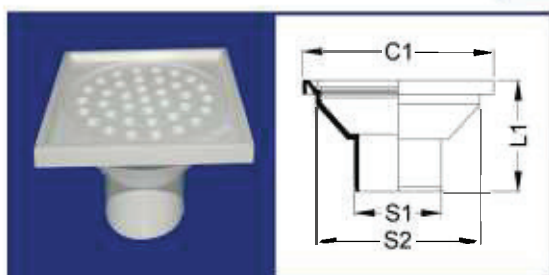
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	C2	S1
CO3SB213	80(3")	70	83	150	119
CO4SB213	100(4")	70	110	198	149
CO6SB213	150(6")	70	161	235	202

## 2" DOME BALCONY OUTLET (SQUARE BASE)



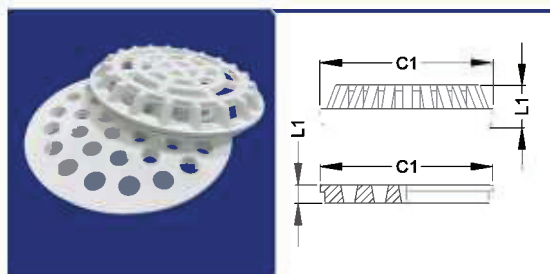
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BODH2SB213	50(2")	46	110	50	96
BODH2SB213(S)	50(2")	46	110	50	96

## 2" FLAT BALCONY OUTLET (SQUARE BASE)



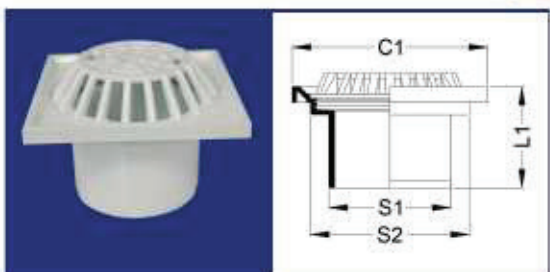
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BOFH2SB213	50(2")	46	110	50	96

## 2" BALCONY OUTLET COVER



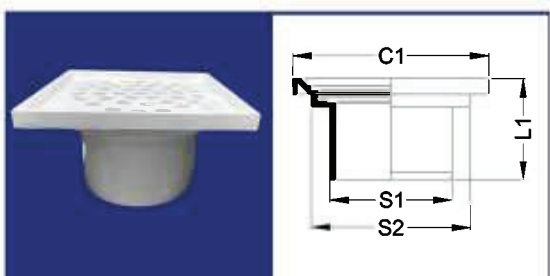
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
	MM(in)	L1	C1
CD2SB	50(2")	27	95
CD2SB(S)	50(2")	15	95
CF2SB	50(2")	10	95

## 3" DOME BALCONY OUTLET (SQUARE BASE)



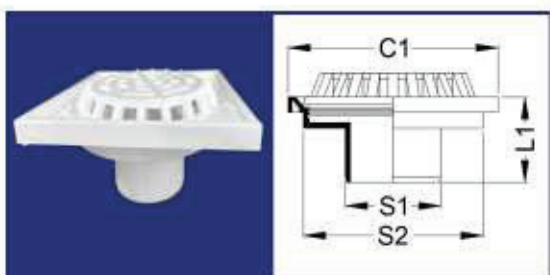
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BOD3SB213	80(3")	64	110	75	96

## 3" FLAT BALCONY OUTLET (SQUARE BASE)



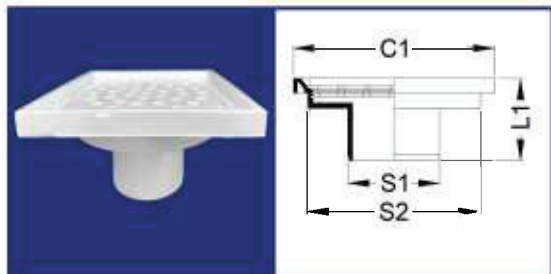
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BOFH3SB213	80(3")	64	110	75	96

## 2" DOME BALCONY OUTLET SQUARE BASE ONLY (NEW)



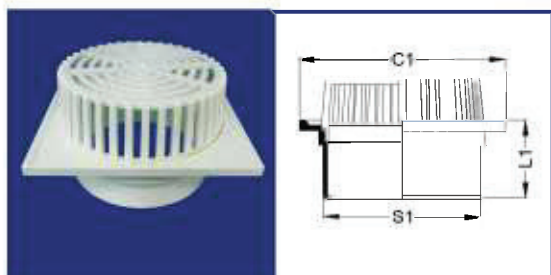
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BODH2SB213N	50(2")	70	150	150	130

## 2" FLAT BALCONY OUTLET SQUARE BASE ONLY (NEW)



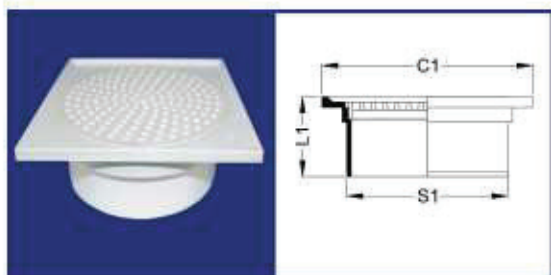
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	C1	S1	S2
BOFH2SB213N	50(2")	47	110	50	96

## DOME GULLY OUTLET (SQUARE BASE)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L1	C1	S1
GOD4SB213	100(4")	70	150	103
GOD6SB213	150(6")	70	198	151
GOD8SB272	200(8")	75	235	190

## FLAT GULLY OUTLET (SQUARE BASE)



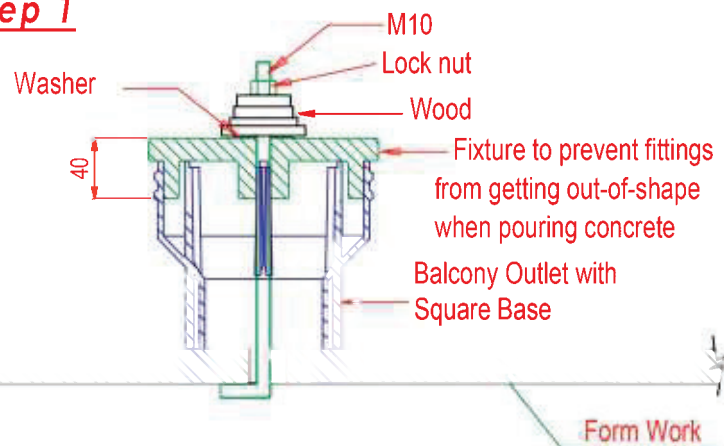
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L1	C1	S1
GOF4SB213	100(4")	70	150	103
GOF6SB213	150(6")	70	198	151
GOF8SB272	200(8")	75	235	190

## **BALCONY OUTLET ASSEMBLY**

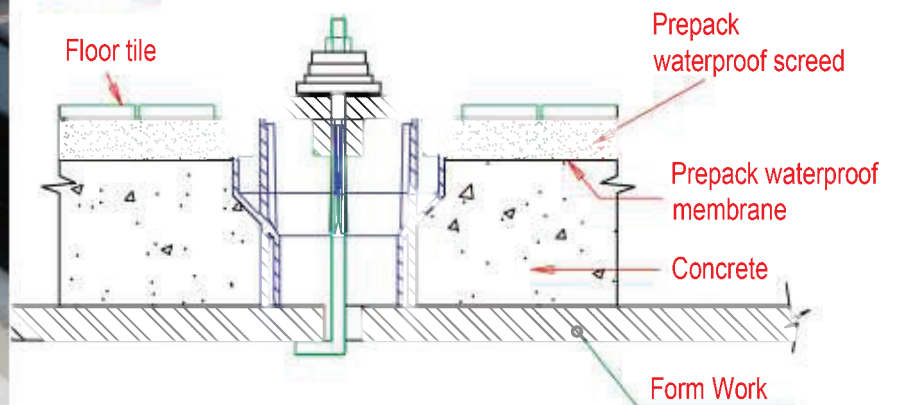
### *Advantages:*

1. Prevent leakage
2. Effective for pre-casting
3. Easy to install
4. Save workmanship

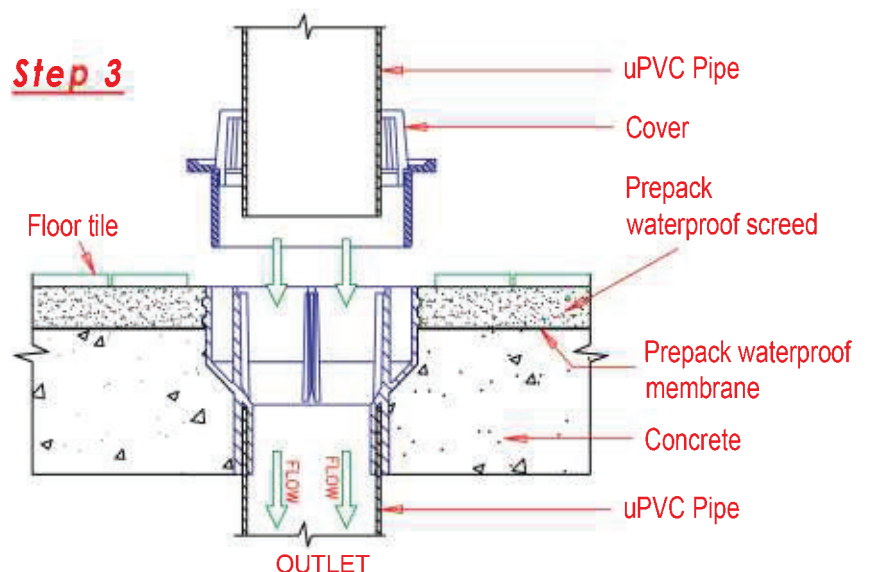
### **Step 1**



### **Step 2**



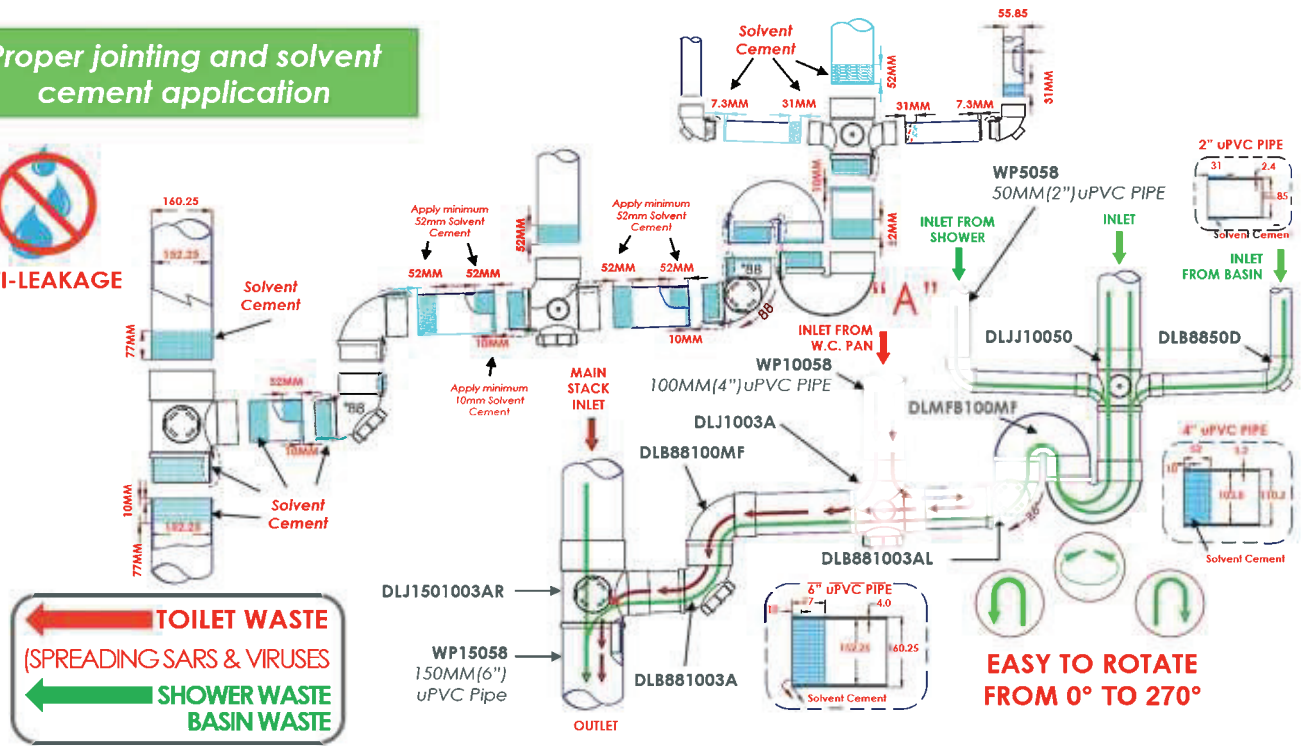
### **Step 3**



## Proper jointing and solvent cement application



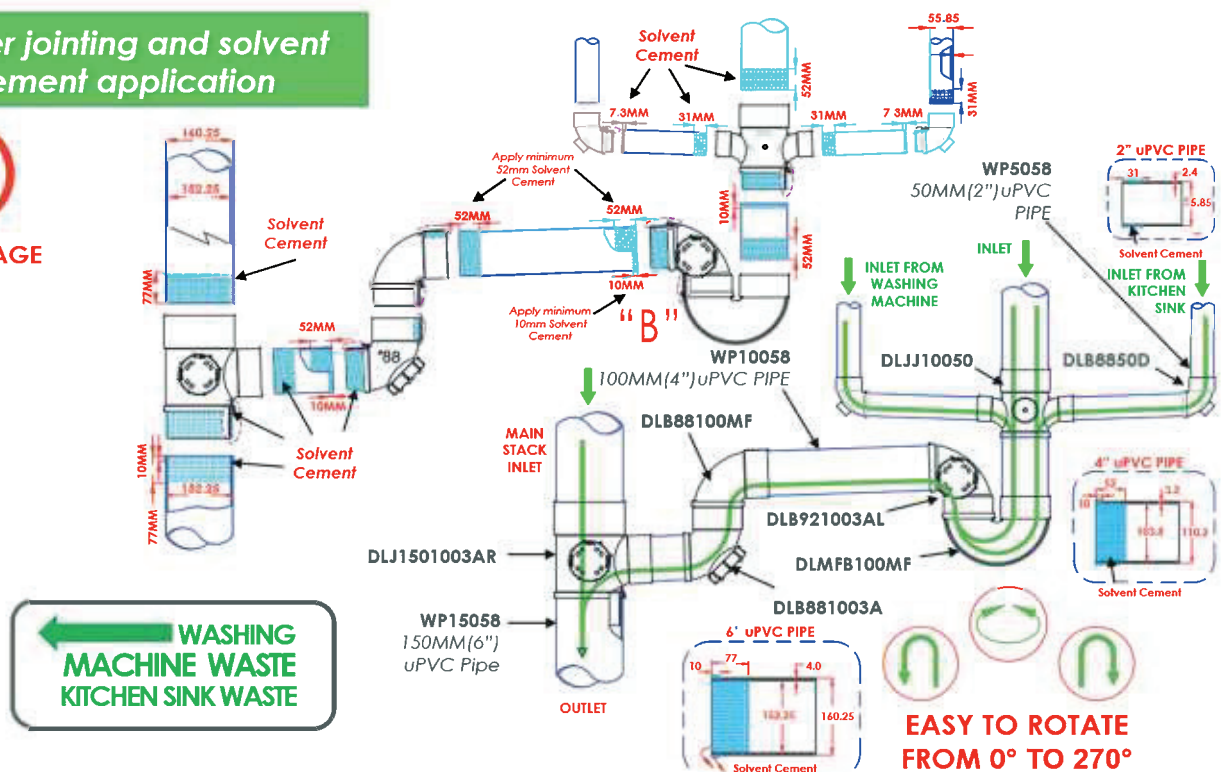
## ANTI-LEAKAGE



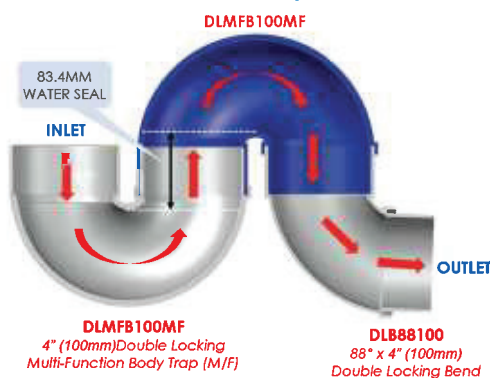
## Proper jointing and solvent cement application



## ANTI-LEAKAGE

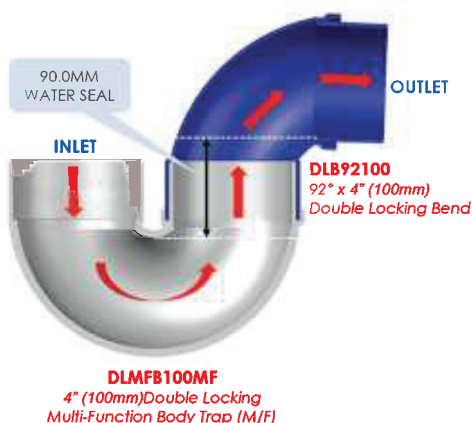


### Double lock S-trap



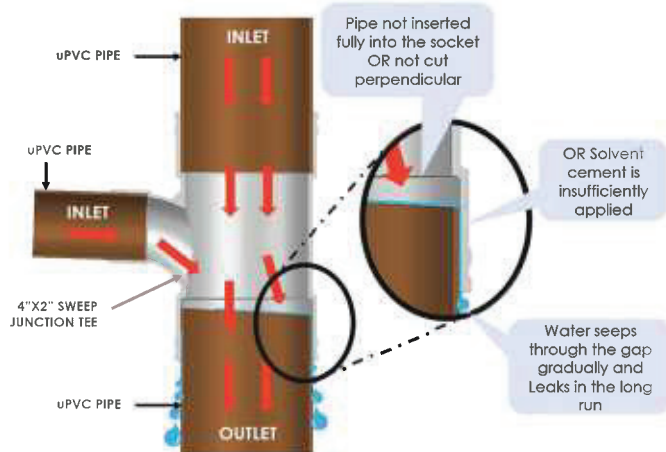
**DET - A**

### Double lock P-trap

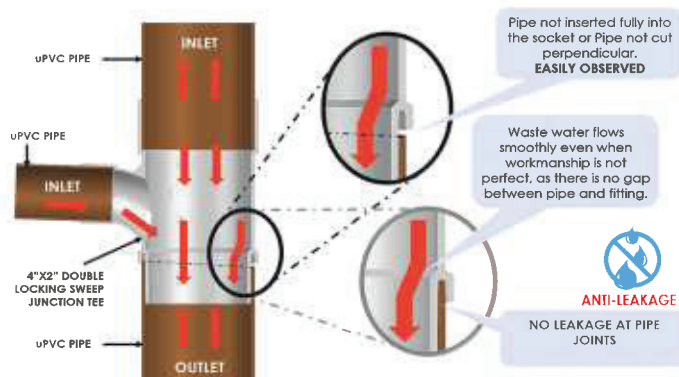


**DET - B**

### Consider a leaking joint & possible causes...



### Double lock joint eliminates the risk of leakage



## PRODUCT RANGE

# DOUBLE LOCKING SYSTEM

## FEATURES

- System designed and developed in Singapore
- Approved for use in all Singapore HDB projects
- Superior designed prevent leakage and ensures poor workmanship is easily identified
- The waste water will flow smoothly through the pipes
- High performance PVC-U system – meets temperature, pressure and size requirements for above ground drainage application.



## ADVANTAGES

- Superior design prevent leakage and ensures easy detection of flows, even if:
  - Pipe is not fully inserted into the socket end
  - Pipe is unevenly cut
  - Solvent cement insufficient or incorrectly applied
- Leakage prevention and easy to install
- Ensures lower installation and maintenance cost



## APPLICATION



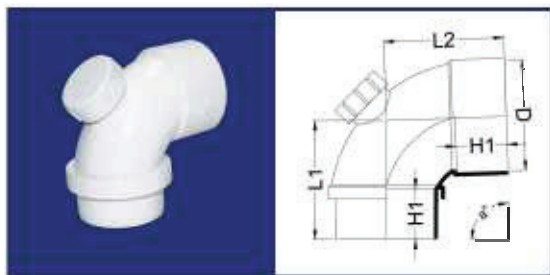
- Snow Double Locking system is mandatory for all HDB Housing Projects
- Snow's Double Locking System offers leak proof drainage in all types of construction.

## 88° DOUBLE LOCKING BEND (F/F)(M/F)



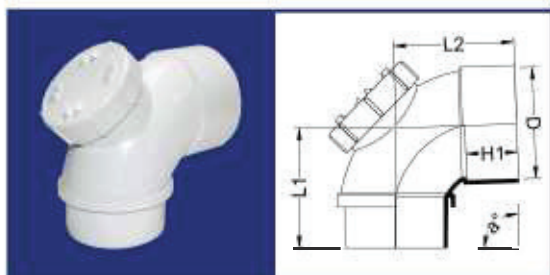
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
DLB8850	50(2")	88°	32	71	65	56
DLB8880	80(3")	88°	45	112	109	83
DLB88100	100(4")	88°	52	120	121	110
DLB88150	150(6")	88°	77	200	203	161
DLB8850MF	50(2")	88°	32	71	65	56
DLB8880MF	80(3")	88°	45	112	109	83
DLB88100MF	100(4")	88°	52	120	121	110

## 88° DOUBLE LOCKING BEND (F/F)(M/F)(I/O)



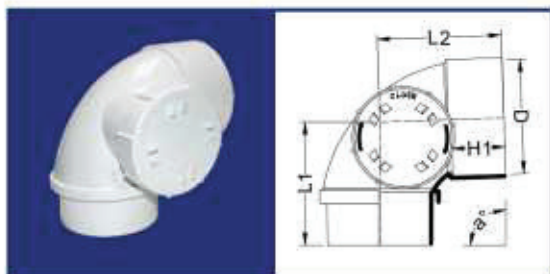
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
DLB8850D	50(2")	88°	32	71	65	56
DLB8880D	80(3")	88°	45	112	109	83
DLB8850MFD	50(2")	88°	32	71	65	56
DLB8880MFD	80(3")	88°	45	112	109	83

## 88° DOUBLE LOCKING BEND (F/F) (M/F) with 3" Rear Cleaning Access



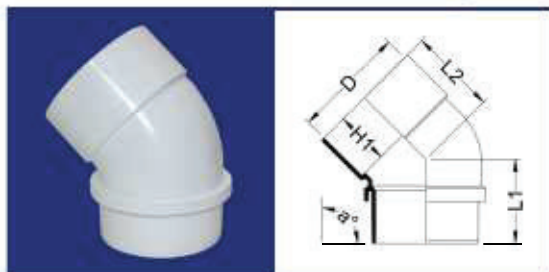
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
DLB881003A	100(4")	88°	52	120	121	110
DLB881503A	150(6")	88°	77	200	203	161
DLB881003AMF	100(4")	88°	52	120	121	110

## 88° DOUBLE LOCKING BEND (F/F) (M/F) with 3" Side Cleaning Access



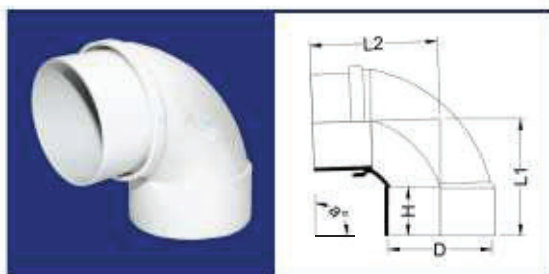
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
DLB881003AR	100(4")	88°	52	120	121	110
DLB881003ARMF	100(4")	88°	52	120	121	110
DLB881003AL	100(4")	88°	52	120	121	110
DLB881003ALMF	100(4")	88°	52	120	121	110

## 45° DOUBLE LOCKING BEND (F/F) (M/F)



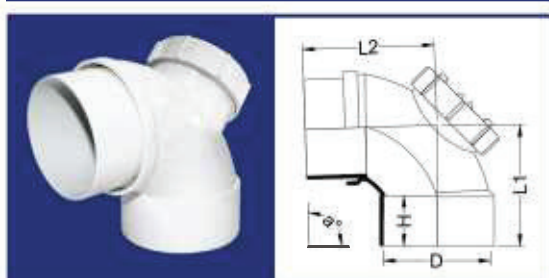
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H1	L1	L2	D
DLB45100	100(4")	45°	52	83	83	110
DLB45100MF	100(4")	45°	52	83	82	110

## 92° DOUBLE LOCKING BEND (F/F)



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H	L1	L2	D
DLB92100	100(4")	92°	52	125	136	110

## 92° DOUBLE LOCKING BEND (F/F) with 3" Rear Access



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H	L1	L2	D
DLB921003A	100(4")	92°	52	125	136	110

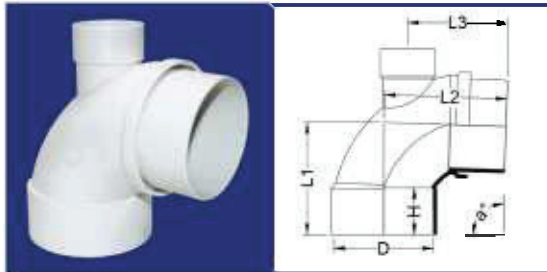
## 92° DOUBLE LOCKING BEND (F/F) with 3" Side Cleaning Access



PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)			
	MM(in)		H	L1	L2	D
DLB921003AR	100(4")	92°	52	125	136	110
DLB921003AL	100(4")	92°	52	125	136	110

**92° DOUBLE LOCKING BEND (F/F)**

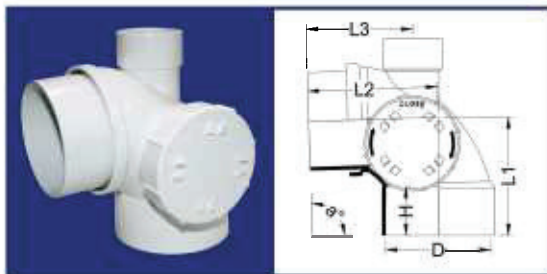
with 2" Vent



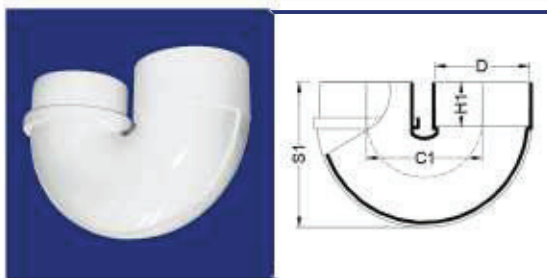
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)			
	MM(in)	Φ	H	L1	L2	L3	D
DLB9210050	100X50(4"X2")	92°	52	125	136	110	110

**92° DOUBLE LOCKING BEND (F/F)**

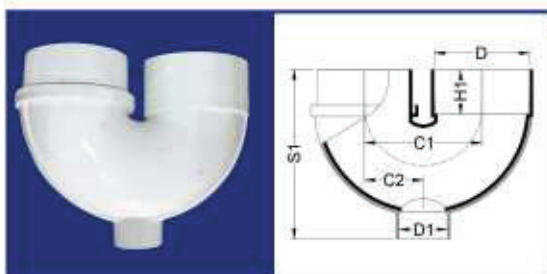
with 2" Vent and 3" Side Cleaning Access



PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)			
	MM(in)	Φ	H	L1	L2	L3	D
DLB92100503AR	100X50(4"X2")	92°	52	125	136	110	110
DLB92100503AL	100X50(4"X2")	92°	52	125	136	110	110

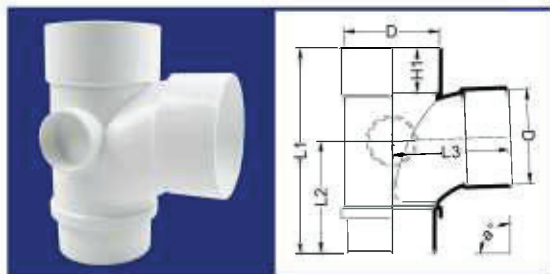
**DOUBLE LOCKING MULTI FUNCTION TRAP BODY (F/F)(M/F)**

PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	S1	C1	D
DLMFB100	100(4")	52	160	135	110
DLMFB100MF	100(4")	52	171	136	110

**DOUBLE LOCKING MULTI FUNCTION TRAP BODY(M/F) with 2" Vent**

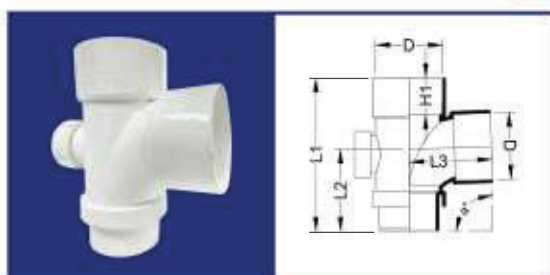
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)					
	MM(in)	H1	S1	C1	C2	D	D1
DLMFB10050MF	100x50(4"X2")	52	197	136	68	110	56

## 88° DOUBLE LOCKING SWEEP JUNCTION (F/F)(M/F)



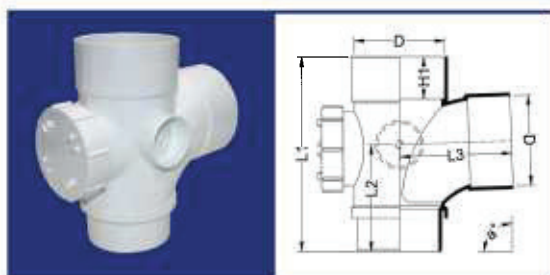
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	H1	L1	L2	L3	D	
DLJ50	50(2")	88°	31	129	69	69	56	
DLJ80	80(3")	88°	45	204	114	114	83	
DLJ100	100(4")	88°	52	239	131	137	110	
DLJ50MF	50(2")	88°	31	129	69	69	56	
DLJ80MF	80(3")	88°	45	204	114	114	83	
DLJ100MF	100(4")	88°	52	239	131	137	110	

## 88° DOUBLE LOCKING SWEEP JUNCTION (F/F)(I/O)



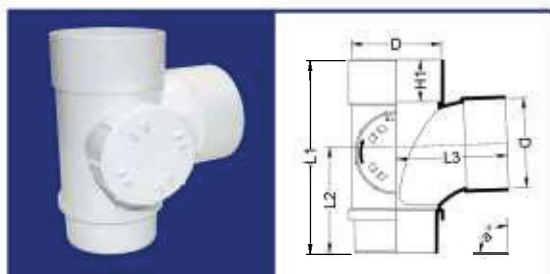
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	H1	L1	L2	L3	D	
DLJ50D	50(2")	88°	31	129	69	69	56	

## 88° DOUBLE LOCKING S. JUNCTION (F/F)(M/F) with 3" Rear Cleaning Access



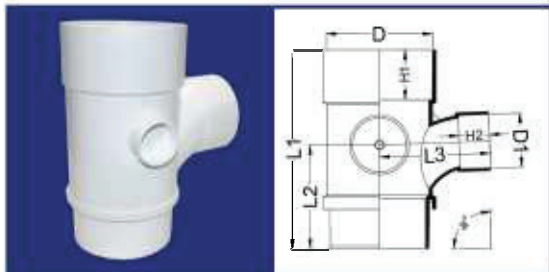
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	H1	L1	L2	L3	D	
DLJ803A	80(3")	88°	45	204	114	114	83	
DLJ1003A	100(4")	88°	52	239	131	137	110	
DLJ803AMF	80(3")	88°	45	204	114	114	83	
DLJ1003AMF	100(4")	88°	52	239	131	137	110	

## 88° DOUBLE LOCKING S. JUNCTION (F/F)(M/F) with 3" Side Cleaning Access



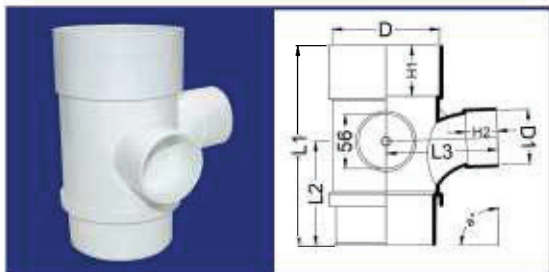
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	H1	L1	L2	L3	D	
DLJ1003AR	100(4")	88°	52	239	131	137	110	
DLJ1003AL	100(4")	88°	52	239	131	137	110	
DLJ1003ARMF	100(4")	88°	52	239	131	137	110	
DLJ1003ALMF	100(4")	88°	52	239	131	137	110	

## 88° DOUBLE LOCKING RED. SWEEP JUNCTION (F/F)(M/F)



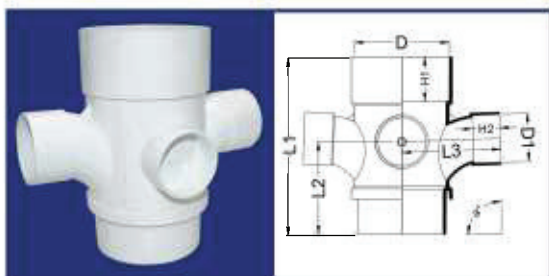
PRODUCT CODE	NOM. SIZE	ANGLE			DIMENSIONS (mm)					
	MM(in)	Φ	H1	H2	L1	L2	L3	D	D1	
DLJ10050	100X50(4"X2")	88°	52	31	207	108	115	110	56	
DLJ10080	100X80(4"X3")	88°	52	46	220	115	131	110	83	
DLJ150100	150X100(6"X4")	88°	77	52	318	173	166	161	110	
DLJ10050MF	100X50(4"X2")	88°	52	31	207	108	115	110	56	
DLJ10080MF	100X80(4"X3")	88°	52	46	220	115	131	110	83	
DLJ150100MF	150X100(6"X4")	88°	77	52	318	173	166	161	110	

## 88° DOUBLE LOCKING RED. SWEEP JUNCTION (F/F)(M/F) with 2" Vent



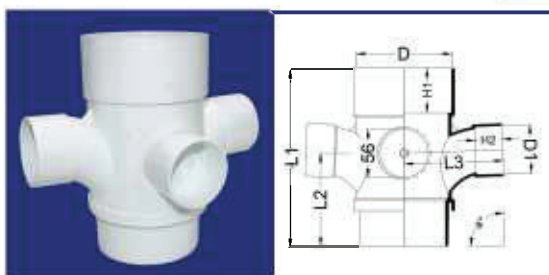
PRODUCT CODE	NOM. SIZE	ANGLE			DIMENSIONS (mm)					
	MM(in)	Φ	H1	H2	L1	L2	L3	D	D1	
DLJ100502V	100X50(4"X2")	88°	52	31	207	110	108	110	56	
DLJ100502VMF	100X50(4"X2")	88°	52	31	207	110	108	110	56	

## 88° DOUBLE LOCKING RED. CROSS TEE SWEEP JUNCTION (F/F)(M/F)



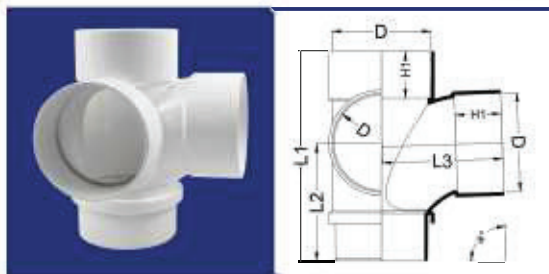
PRODUCT CODE	NOM. SIZE	ANGLE			DIMENSIONS (mm)					
	MM(in)	Φ	H1	H2	L1	L2	L3	D	D1	
DLJJ10050	100X50(4"X2")	88°	52	31	207	108	115	110	56	
DLJJ10080	100X80(4"X3")	88°	52	43	220	115	131	110	83	
DLJJ150100	150X100(6"X4")	88°	77	52	318	173	166	161	110	
DLJJ10050MF	100X50(4"X2")	88°	52	31	207	108	115	110	56	
DLJJ150100MF	150X100(6"X3")	88°	77	52	318	173	166	161	110	

## 88° DOUBLE LOCKING REDUCING CROSS TEE SWEEP JUNCTION (F/F)(M/F) with 2" Vent



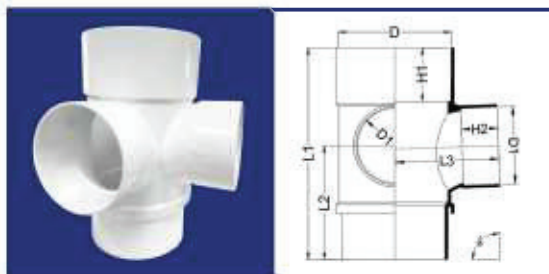
PRODUCT CODE	NOM. SIZE	ANGLE			DIMENSIONS (mm)					
	MM(in)	Φ	H1	H2	L1	L2	L3	D	D1	
DLJJ100502V	100x50(4"X2")	88°	52	31	207	108	115	110	56	
DLJJ100502VMF	100X50(4"X2")	88°	52	31	207	108	115	110	56	

## 88° DOUBLE LOCKING CORNER TEE (F/F)



PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)				
	MM(in)	Φ	H1	L1	L2	L3	D	
DLMJ100100	100X100(4"X4")	88°	52	234	127	135	110	

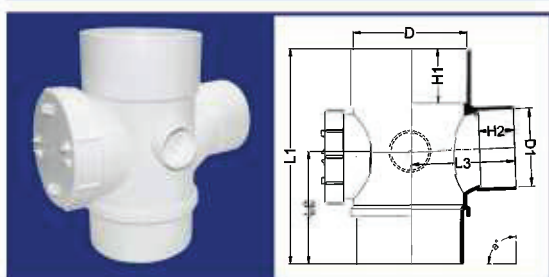
## 88° DOUBLE LOCKING REDUCING CORNER TEE (F/F)



PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)						
	MM(in)	Φ	H1	H2	L1	L2	L3	D	D1	
DLMJ150100	150X100(6"X4")	88°	77	52	304	174	166	161	110	

## 88° DOUBLE LOCKING REDUCING SWEEP JUNCTION (F/F)(M/F)

with 3"/4" Rear Cleaning Access



PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)						
	MM	Φ	H1	H2	L1	L2	L3	D	D1	
DLJ1501003A	150X100	88°	77	52	304	159	148	161	110	
DLJ1501003AMF	150X100	88°	77	52	303	158	148	161	11	
DLJ1501004A	150X100	88°	77	52	318	173	166	161	110	
DLJ1501004AMF	150X100	88°	77	52	318	173	166	161	110	

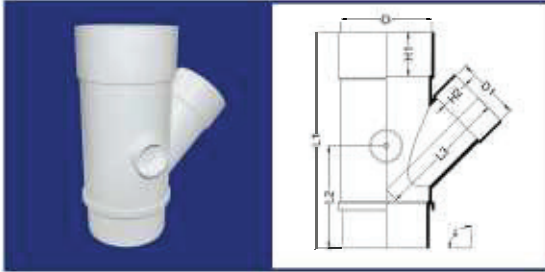
## 88° DOUBLE LOCKING REDUCING SWEEP JUNCTION (F/F)(M/F)

with 3" Side Cleaning Access



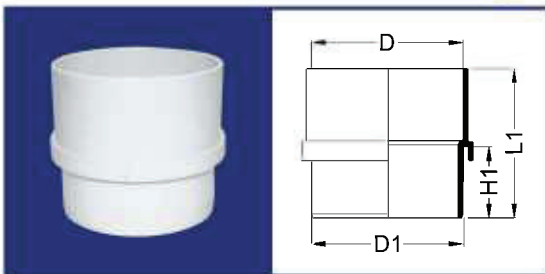
PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)						
	MM	Φ	H1	H2	L1	L2	L3	D	D1	
DLJ1501003AR	150X100	88°	77	52	304	159	148	161	110	
DLJ1501003AL	150X100	88°	77	52	303	158	148	161	110	
DLJ1501003ARMF	150X100	88°	77	52	303	158	148	161	110	
DLJ1501003ALMF	150X100	88°	77	52	303	158	148	161	110	

## 45° DOUBLE LOCKING REDUCING Y-SWEEP JUNCTION (F/F)



PRODUCT CODE	NOM. SIZE	ANGLE		DIMENSIONS (mm)						
	MM(in)	Φ	H1	H2	L1	L2	L3	D	D1	
DLY150100	150X100(6"X4")	45°	77	52	380	178	228	161	110	

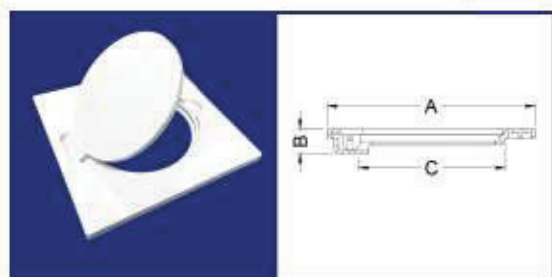
## DOUBLE LOCKING SOCKET (F/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	D	D1
DLS100	100(4")	52	108	110	110
DLS150	150(6")	77	158	161	161
DLS100MF	100(4")	52	108	110	110

**(MIS) SQUARE GRATING**

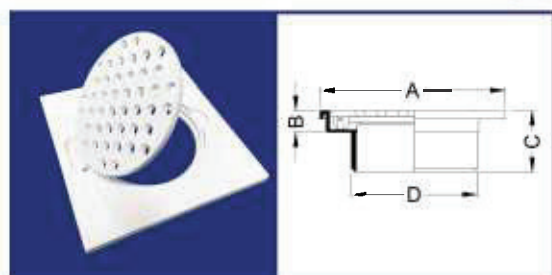
No Hole



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)		
		A	B	C
G150NH	150X150(6"X6")	150X150	18	107
G150NH(C)	COVER ONLY			

**(MIS) SQUARE GRATING**

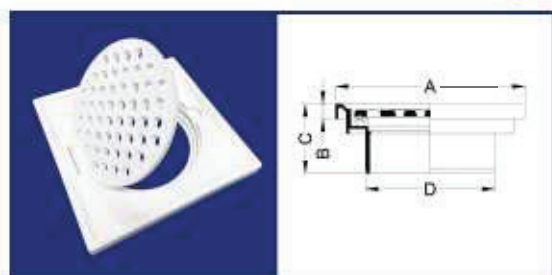
with Holes, with or without Spigot



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		A	B	C	D
G150	150X150(6"X6")	150X150	18	/	107
G15030	150X150(6"X6")	150X150	18	50	102
G150(C)	COVER ONLY				

**(MIS) SQUARE FLAT GRATING**

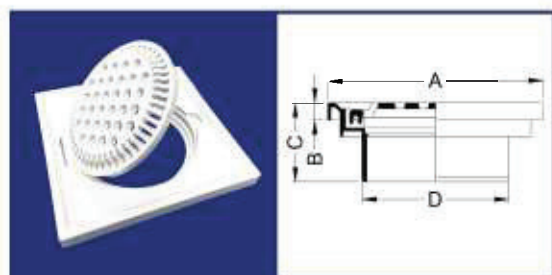
with edge, with or without Spigot



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		A	B	C	D
G150E	150X150(6"X6")	150X150	12	24	102
G15030E	150X150(6"X6")	150X150	12	55	102
G150E(C)	COVER ONLY				

**(MIS) SQUARE DOME GRATING**

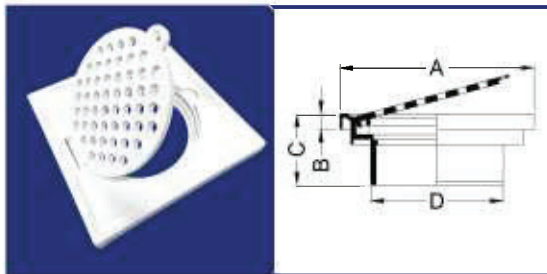
with edge, with or without Spigot



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		A	B	C	D
G150ED	150X150(6"X6")	150X150	12	24	102
G15030ED	150X150(6"X6")	150X150	12	55	102

**(MIS) SQUARE FLAT GRATING**

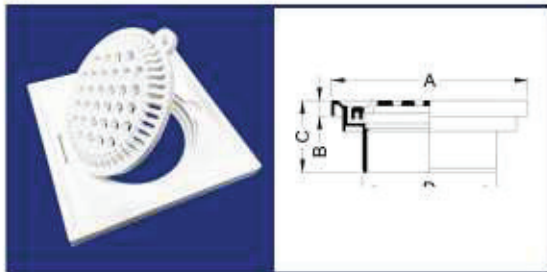
with edge, with or without Spigot (Clip Type)



PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)			
		A	B	C	D
G150CTE	150X150(6"X6")	150X150	12	24	102
G15030CTE	150X150(6"X6")	150X150	12	55	102
G150CTE(C)	COVER ONLY				

**(MIS) SQUARE DOME GRATING**

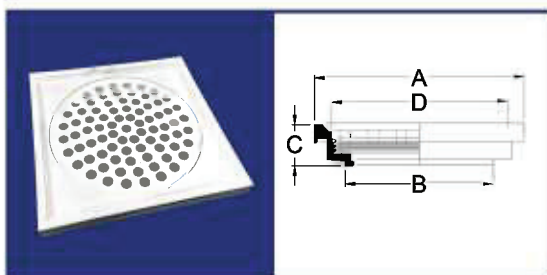
with edge, with or without Spigot (Clip Type)



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		A	B	C	D
G150CTED	150X150(6"X6")	150X150	12	24	102
G15030CTED	150X150(6"X6")	150X150	120	55	102

**(MIS) SQUARE SCREW FLAT GRATING**

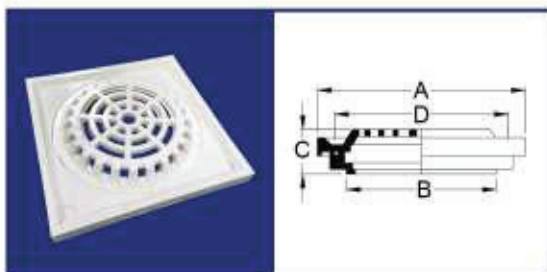
with edge, with or without Spigot (Heavy Duty)



PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		A	B	C	D
G150SFE	150X150(6"X6")	150X150	106	29	THREAD
	150X150(6"X6")	150X150	102	58	THREAD
G150SFE(C)	COVER ONLY				

**(MIS) SQUARE SCREW DOME GRATING**

with edge, with or without Spigot (Heavy Duty)



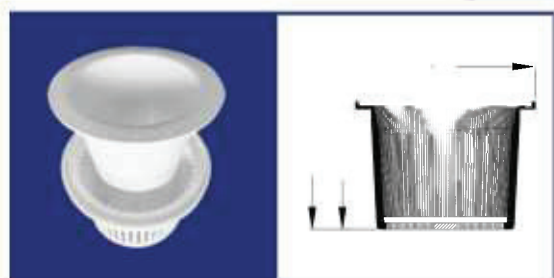
PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)			
		A	B	C	D
G150SD	150X150(6"X6")	150X150	106	29	THREAD
	150X150(6"X6")	150X150	102	58	THREAD
G150SD(C)	COVER ONLY				

**(MIS) ANTI-MOSQUITO DEVICE**

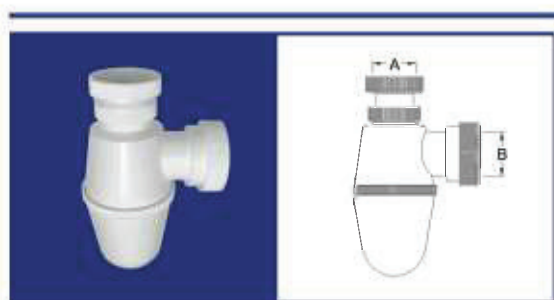
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM	A	B	C
AMD98R	98	98	87	42
AMD98S	98	98	87	80
AMD98(66)	98	98	66	40
AMD78	78	78	67	40
AMD104	104	104	85	28

**GRATING FILTER**

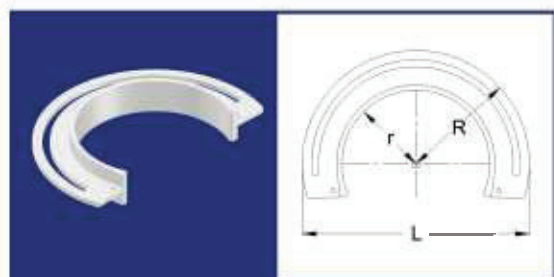
For Mosquito / Cockroach



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM	A	B	C
GF(C)	93	93	60	58

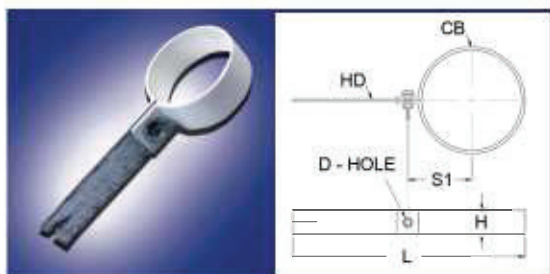
**(MIS) BOTTLE TRAP**

PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
	MM	A	B
BT3232	32X32	32	32
BT3240	32X40	32	40
BT4040	40X40	40	40

**(MIS) HALF SADDLE PRESSURE PIPE CLIP**

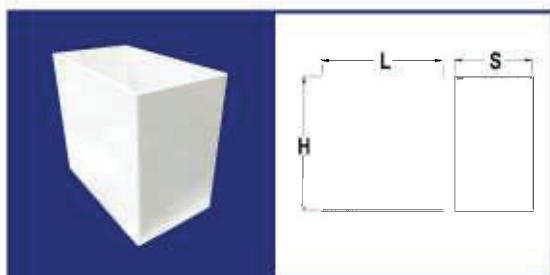
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM(in)	L	r	R
PPC100	100(4")	163	53	81

## (MIS) COLLAR BRACKET & HOT DIP



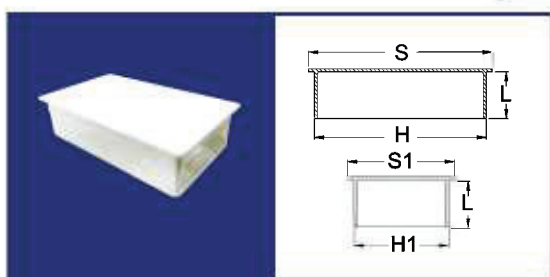
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM	H	S1	L	D
CB22	22	20	22-27		
CB28	28	20	22-27		
CB35	32	20	30-34		
CB42	42	20	32-38		
CB50	50	20	39-46		
CB54	54	20	39-46		
HD6(S)	150	20		150	11

## (MIS) AIRCON RECTANGULAR SLEEVE



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM	H	S	L
ACRS190110	190X110	190	110	170
ACRS190110(285L)*	190X110	190	110	285
ACRS190100(135L)*	190X110	190	110	135
* Available on Request				

## (MIS) AIRCON END CAP COVER

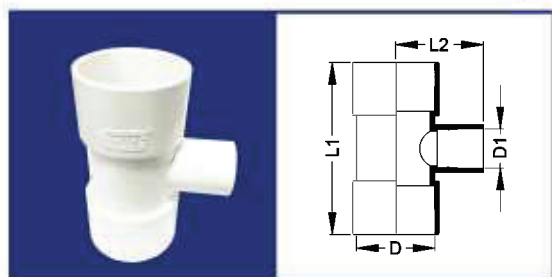


PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM	H	H1	S	S1	L
ACRSEC	183X114	183	101	196	114	50

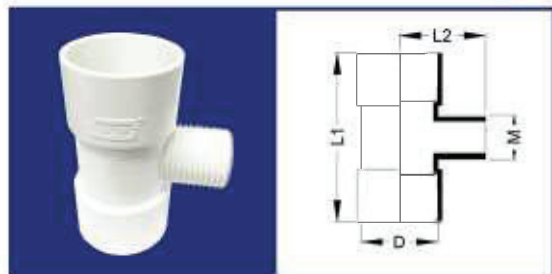
## (MIS) 1/2" X 10M SEALING TAPE



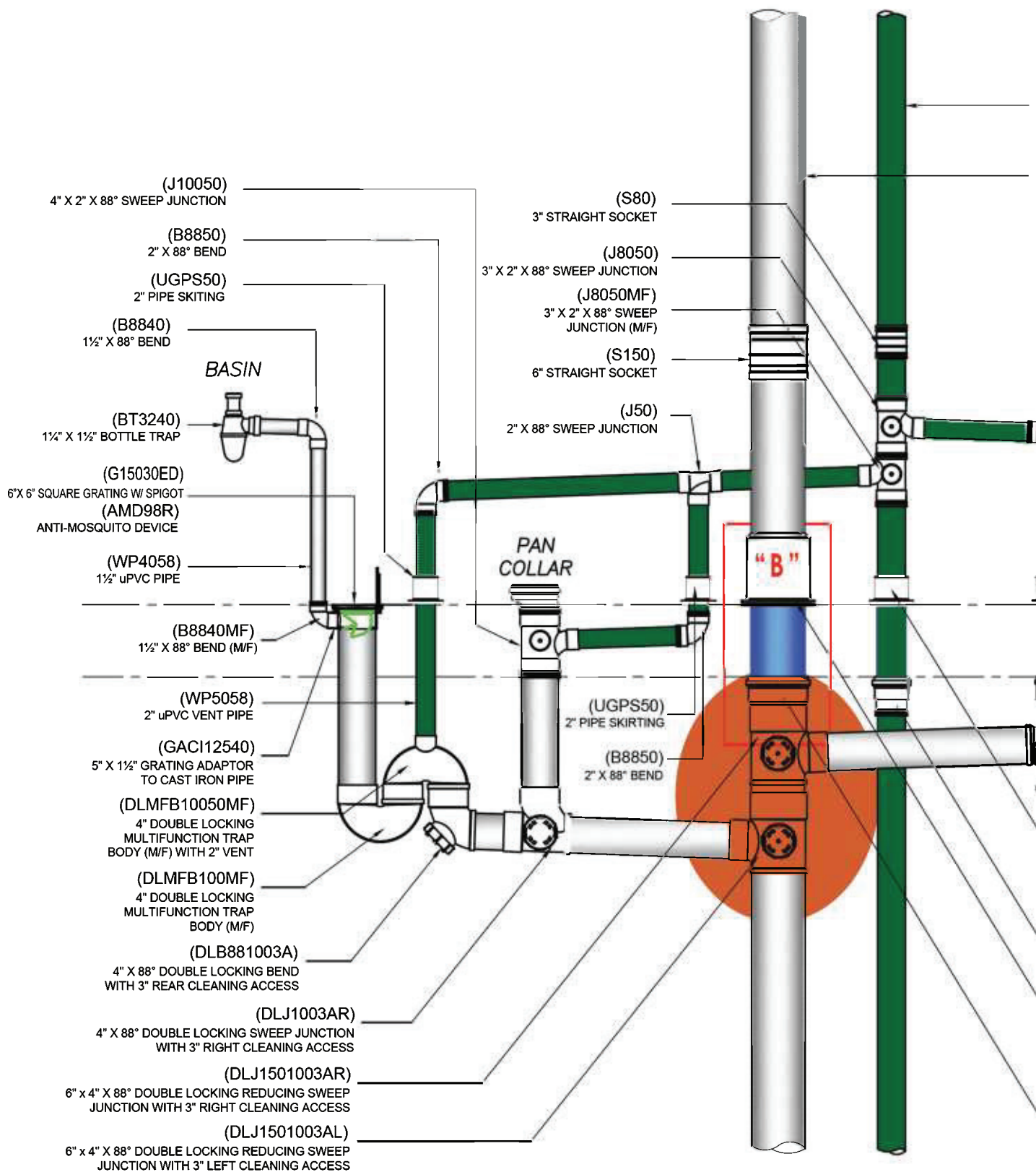
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)	
	MM	L	W
ST10	10M	10	12

**(MIS) ADAPTOR TEE**

PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	L2	D	D1
AT4015	40X15(1½"X½")	95	48	43	22

**(MIS) ADAPTOR VALVE TEE**

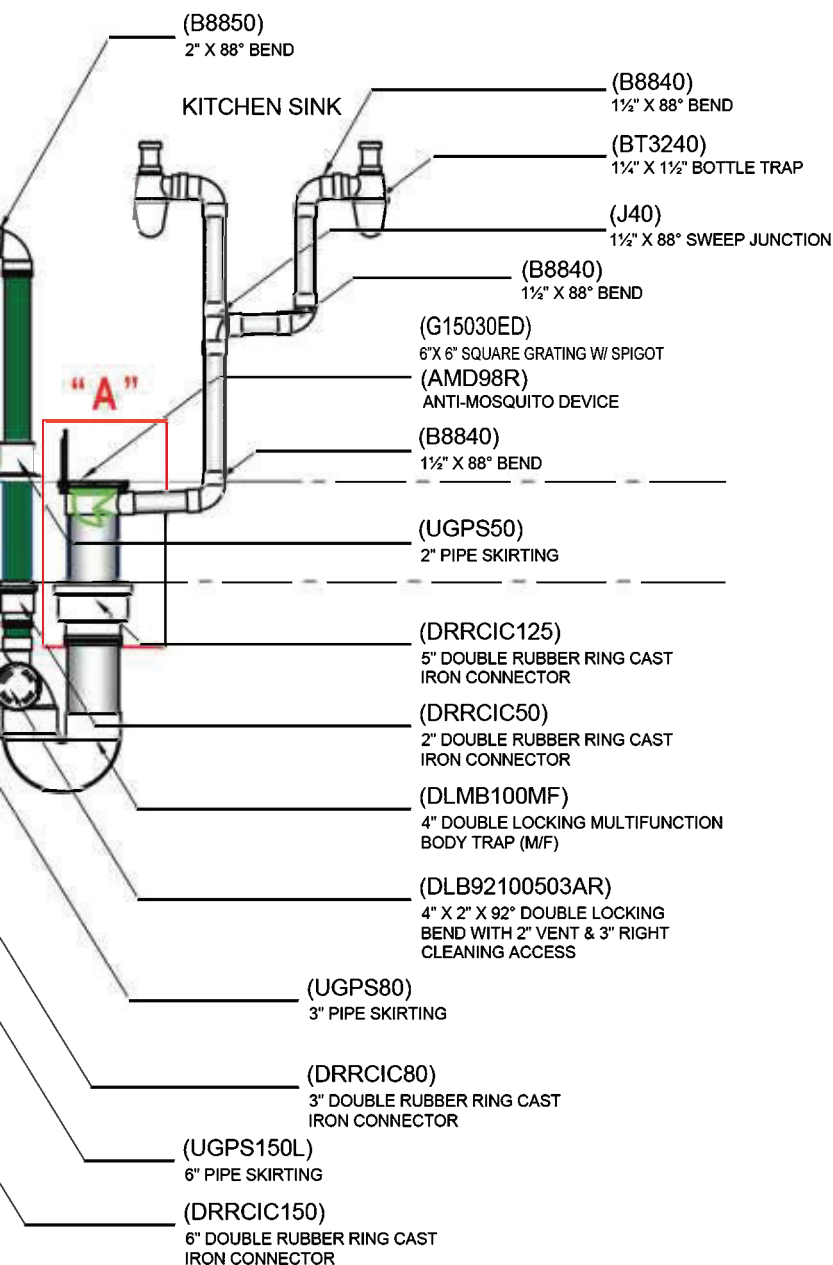
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	L2	D	M
AVT4015	40X15(1½"X½")	95	48	43	½"



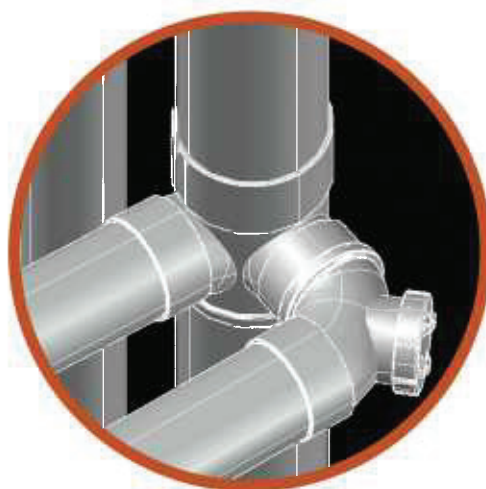
## BATHROOM/KITCHEN TYPICAL LAYOUT for HDB UPGRADING

(WP8058)  
uPVC VENT STACK  
(SS213 3" PIPE)

(WP15058)  
uPVC MAIN DISCHARGE  
STACK (SS213 6" PIPE)



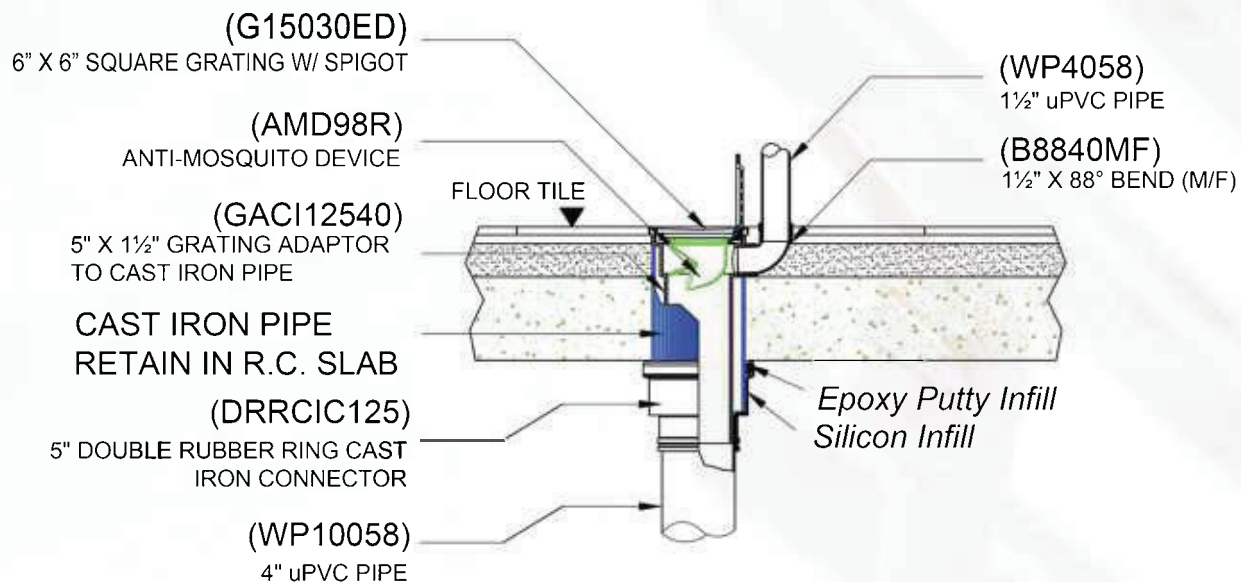
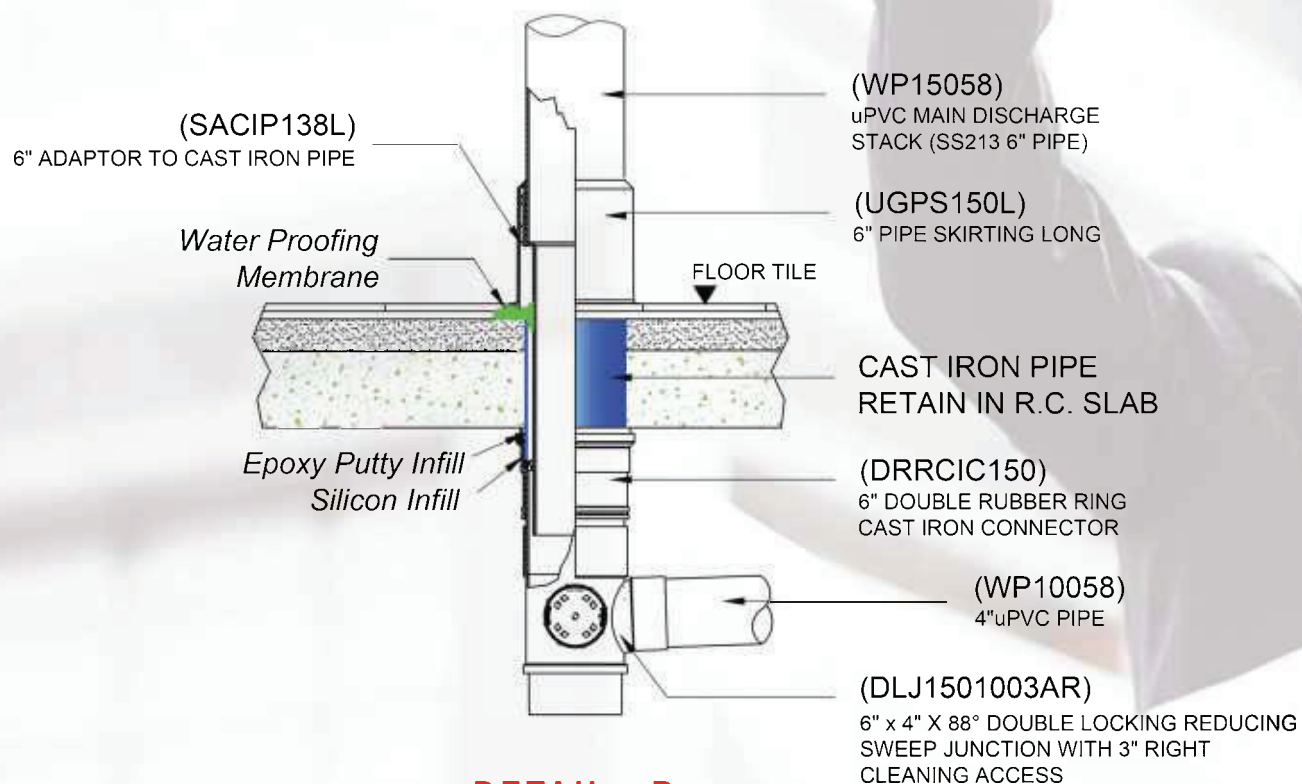
## OTHER CONNECTIONS



DLMJ150100

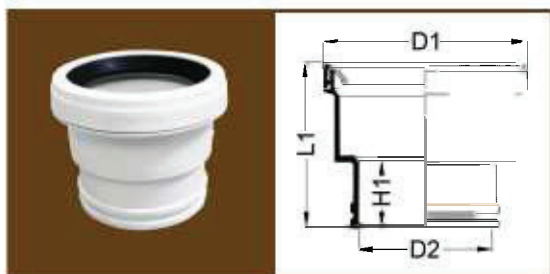


DLJJ150100

**DETAIL - A****DETAIL - B**



## RUBBER RING CAST IRON (F/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	D1	D2
RRCIC50	50(2")	31	66	84	56
RRCIC80	80(3")	45	99	117	83
RRCIC100	100(4")	52	108	143	110
RRCIC125	125(5")	52	133	169	110
RRCIC150	150(6")	77	164	198	161

## RUBBER RING CAST IRON (M/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	D1	D2
RRCIC50MF	50(2")	31	66	84	56
RRCIC80MF	80(3")	45	99	117	83
RRCIC100MF	100(4")	52	108	143	110
RRCIC125MF	125(5")	52	133	169	110
RRCIC150MF	150(6")	77	164	198	161

## DOUBLE RUBBER RING CAST IRON (F/F)



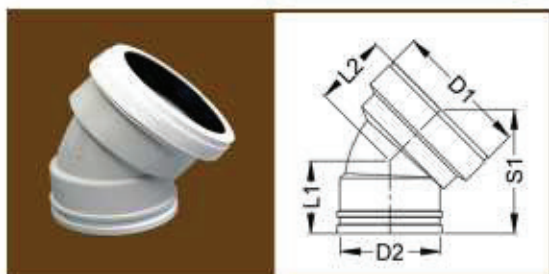
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	D1	D2
DRRCIC50	50(2")	31	93	72	56
DRRCIC80	80(3")	45	111	110	83
DRRCIC100	100(4")	52	116	127	110
DRRCIC125	125(5")	52	118	153	110
DRRCIC150	150(6")	77	147	179	161

## DOUBLE RUBBER RING CAST IRON (M/F)



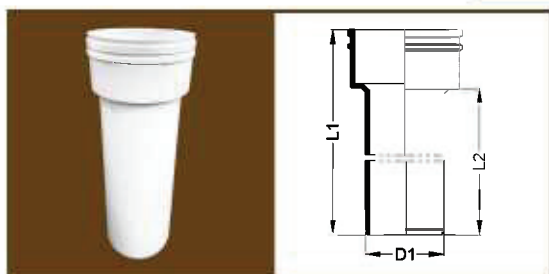
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	H1	L1	D1	D2
DRRCIC50MF	50(2")	31	93	72	56
DRRCIC80MF	80(3")	45	111	110	83
DRRCIC100MF	100(4")	52	116	127	110
DRRCIC125MF	125(5")	52	118	153	110
DRRCIC150MF	150(6")	77	147	179	161

## 45° RUBBER RING CAST IRON BEND (F/F)



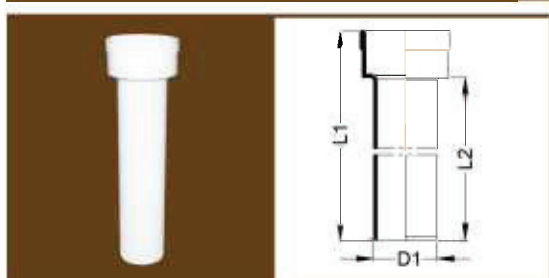
PRODUCT CODE	NOM. SIZE	ANGLE	DIMENSIONS (mm)				
	MM(in)		L1	L2	S1	D1	D2
RRCICB4550	50(2")	45°	45	45	75	83	56

## SPIGOT ADAPTOR TO CAST IRON



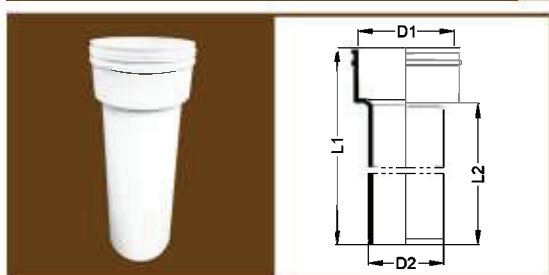
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM	L1	L2	D1
SACIP50	50	334	300	44
SACIP80	80	349	300	72
SACIP95	95	357	300	95
SACIP138	138	457	400	95
SACIP95L	95	392	310	138
SACIP138L	138	562	480	138

## SPIGOT ADAPTOR TO CAST IRON FOR VENT PIPE



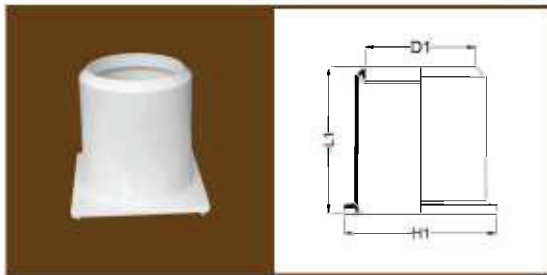
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)		
	MM	L1	L2	D1
SACIVP50	50	373	240	45
SACIVP80	80	348	300	65

## SPIGOT ADAPTOR TO uPVC PIPE



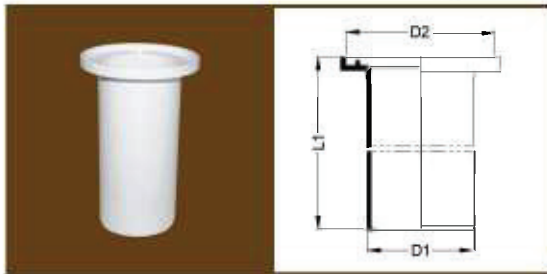
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM	L1	L2	D	D1
SACIP100	100	357	300	110	101
SACIP150	150	394	310	161	150

## PIPE SKIRTING



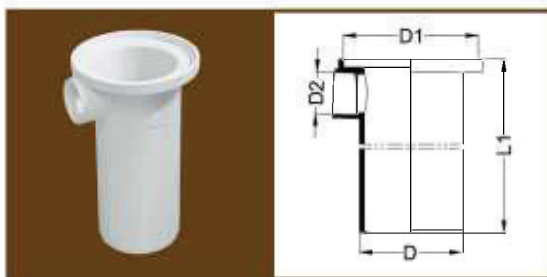
PRODUCT CODE	NOM. SIZE MM(in)	DIMENSIONS (mm)		
		H1	L1	D1
UGPS50	50(2")	100	87	56
UGPS80	80(3")	140	132	83
UGPS100L	100(4")	160	172	110
UGPS150L	150(6")	220	212	161

## 4" GRATING ADAPTOR TO CAST IRON PIPE (LONG)



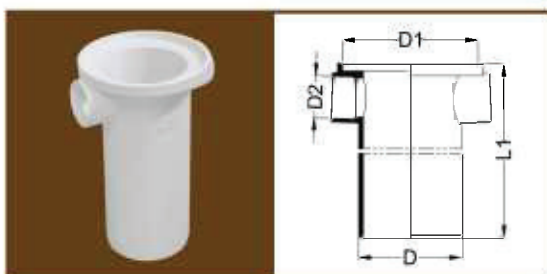
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)		
		L1	D1	D2
GACI95L	95	295	95	133

## 4" GRATING ADAPTOR TO CAST IRON PIPE (LONG) with One Side Vent



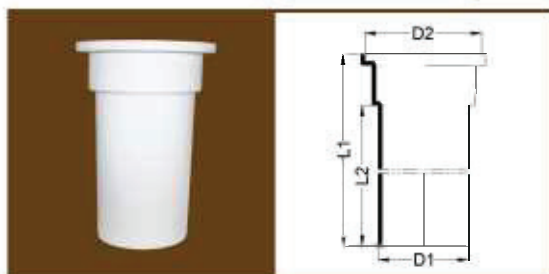
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)			
		L1	D	D1	D2
GACI9540L	95X40	242	95	133	43

## 4" GRATING ADAPTOR TO CAST IRON PIPE with Two Side Vent



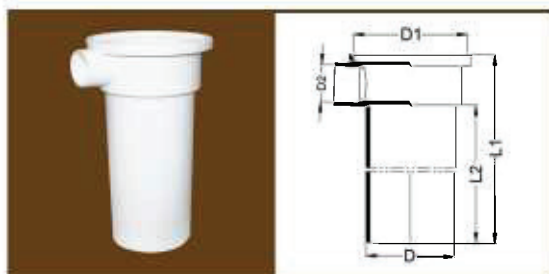
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)			
		L1	D	D1	D2
GACI954040	95X40X40	242	95	133	43

## 5" GRATING ADAPTOR TO CAST IRON



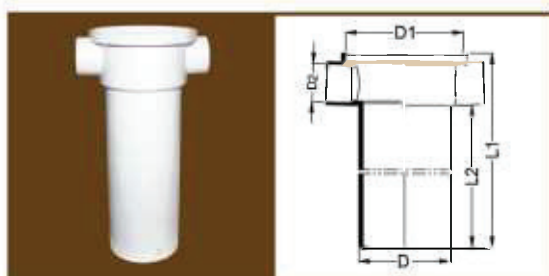
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM	L1	L2	D1	D2
GACI125	125	309	250	103	133

## 5" GRATING ADAPTOR TO CAST IRON with One Side Vent



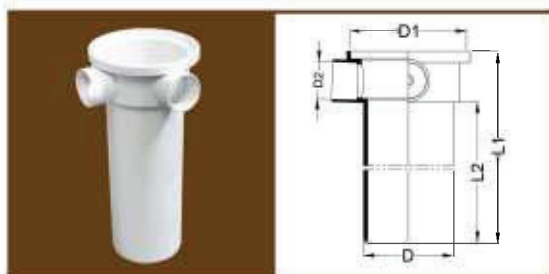
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM	L1	L2	D	D1	D2
GACI12540	125X40	309	250	103	133	43

## 5" GRATING ADAPTOR TO CAST IRON with Two Side Vent



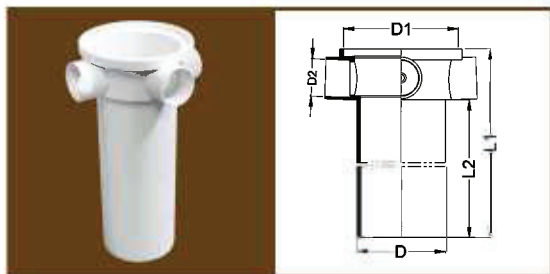
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM	L1	L2	D	D1	D2
GACI1254040	125X40X40	309	250	103	133	43

## 5" GRATING ADAPTOR TO CAST IRON with Two 90° Side Vent



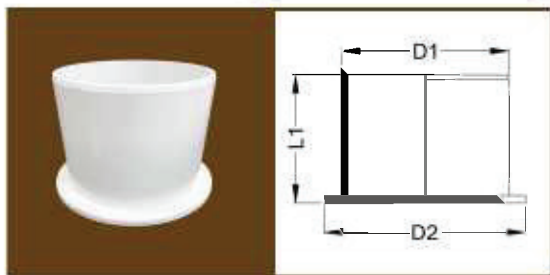
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)				
	MM	L1	L2	D	D1	D2
GACI901254040	125X40X40	309	250	103	133	43

## 5" GRATING ADAPTOR TO CAST IRON with Three Side Vent



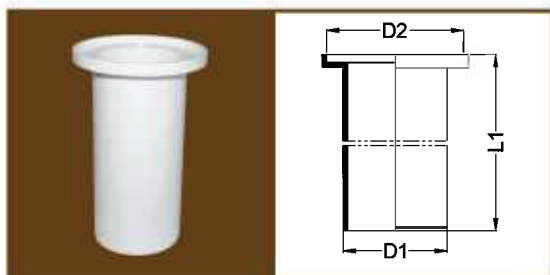
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)				
		L1	L2	D	D1	D2
GACII25404040	125X40X40X40	309	250	103	133	

## 5" ADAPTOR FOR CAST IRON PIPE GRATING



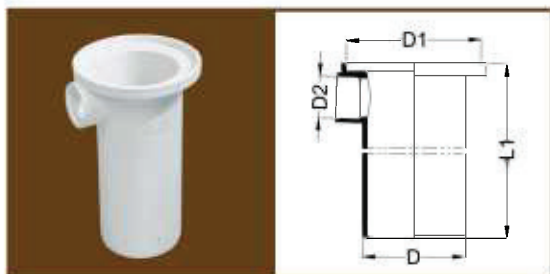
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)		
		L1	D1	D2
GACII25A	125	84.3	110	132.5

## 4" GRATING ADAPTOR TO uPVC PIPE



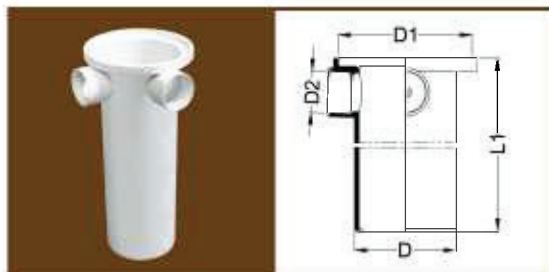
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)		
		L1	D1	D2
GA100	100	223	101	133

## 4" GRATING ADAPTOR TO uPVC PIPE with One Side Vent



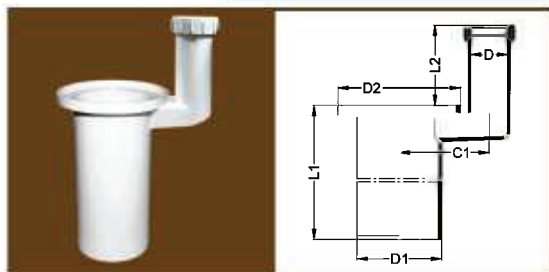
PRODUCT CODE	NOM. SIZE MM	DIMENSIONS (mm)			
		L1	D	D1	D2
GA10040	100X40	223	101	133	43

## 4" GRATING ADAPTOR TO uPVC PIPE with Two 90° Side Vent



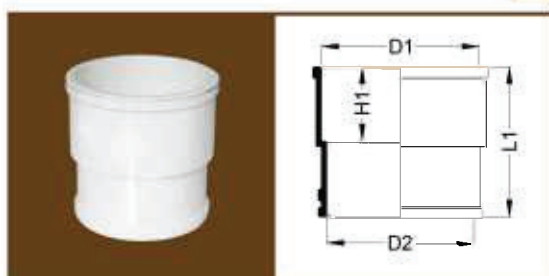
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM	L1	D	D1	D2
GA901004040	100X40X40	223	101	133	43

## 6 IN 1 FLOOR TRAP GRATING ADAPTOR with 40MM Inlet



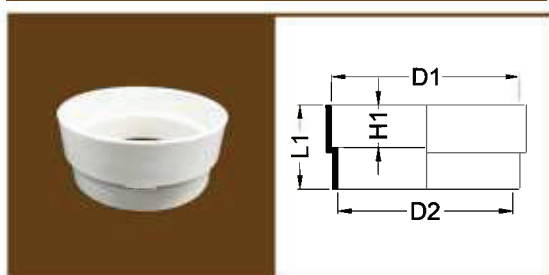
PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)					
	MM	L1	L2	C1	D	D1	D2
FTGA10040I	100X40	167	93	104	43	98	142
FTGA10040I(250H)	100X40	250	93	104	43	98	142

## uPVC PIPE CONNECTOR (F/F)(M/F)



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	H1	D1	D2
UPC50	50(2")	62	31	60	56
UPC50MF	50(2")	62	31	60	56
UPC80	80(3")	90	45	91	83

## SPIGOT ADAPTOR TO PVC RING



PRODUCT CODE	NOM. SIZE	DIMENSIONS (mm)			
	MM(in)	L1	H1	D1	D2
SAP100R	100(4")	50	25	110	103
SAP150R	150(6")	55	30	161	150



## SOLVENT CEMENT & EPOXY PUTTY

CODE NO.	DESCRIPTION	NET. WEIGHT	TIN/CARTON
SC500MLW	Faltex Solvent Cement (Clear)	500 ML	20
SC500MLB	Faltex Solvent Cement (Blue)	500 ML	20
SC500GM70W	(Solvent Cement SSS NO70 (JAPAN)	500 ML	10
AEP500GM	500ML Epoxy Putty	500 G	24

## 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 oil 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 installation.
- **Deliver dependable performance** and reduce loss time due to leakage caused by poor solvent cements.

### FALTEX SOLVENT CEMENT (CLEAR)

**Solid Content:** 16-18%

**Consistency Property:** 1,000 cps

**Quality:** Tough & Resilient

**Colour:** Clear

**Standard:** MS628 Part II Section 2.2:1999

- 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 fittings gap will be strong and stable.

### ADVANTAGES

- **High quality performance** with excellent installation properties.
- **Available in Clear/Blue** for easier inspection and professional finishes.
- **Tested by Singapore Testing Lab Pte Ltd (STL)** 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 (BLUE)

**Solid Content:** 16-18%

**Consistency Property:** 1,000 cps

**Quality:** Tough & Resilient

**Colour:** Blue

**Standard:** MS628 Part II Section 2.2:1999

- Approved for HDB usage.
- 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 fittings gap will be strong and stable.

## SOLVENT CEMENT REQUIREMENT FOR PVC-U PIPES & FITTINGS

NOMINAL SIZE OF PIPES OR FITTING	AMOUNT OF SOLVENT CEMENT REQUIRED PER JOINT	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 MECHANICAL 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 or explosions.

### Hazard Identification

May cause eyes and skin irritation, burns or dermatitis.

### Storage

Store in well-ventillated 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 pipes.
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

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

### CTN. SIZE

513mm X 238mm X 210mm

## 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



can or tin well before using to ensure homogeneity.

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.

**-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

## HDB



**UBI GROVE**

*Geylang N6 C29 & C30*



**TAMPINES GREENGEM**

*Tampines N9 C18*



**EUNOS COURT**

*Geylang C26A*



**FERNVALE DEW**

*Sengkang N4 C39 & C40*



**TAMPINES GREENCOURT**

*Tampines N6 C13 & C14*



**PUNGGOL POINT COVE**

*Punggol North C14*

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### **PERUMAL NEW CONDO**

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### **FOURTH AVENUE RESIDENCES**

*Fourth Avenue, Singapore*



### **AVENUE SOUTH RESIDENCE**

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### **JADESCAPE**

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### **THE FLORENCE RESIDENCES**

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HEALTHCARE CAMPUS (WIHC)**  
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**ST. ANDREW'S ADULT HOME**  
*147 Compassvale Bow, Singapore*



**OUTRAM COMMUNITY HOSPITAL**  
*10 Hospital Boulevard, Singapore*



**YISHUN HOSPITAL**  
*2 Yishun Central 2, Singapore*



**KHOO TECK PUAT HOSPITAL**  
*90 Yishun Central, Singapore*



**SENGKANG COMMUNITY HOSPITAL**  
*1 Anchorvale Street, Singapore*

## GOVERNMENT BUILDINGS & HOSPITALS



**JEWEL CHANGI AIRPORT**

*Changi, Singapore*



**CHANGI AIRPORT TERMINAL 4**

*10 Airport Boulevard, Singapore*



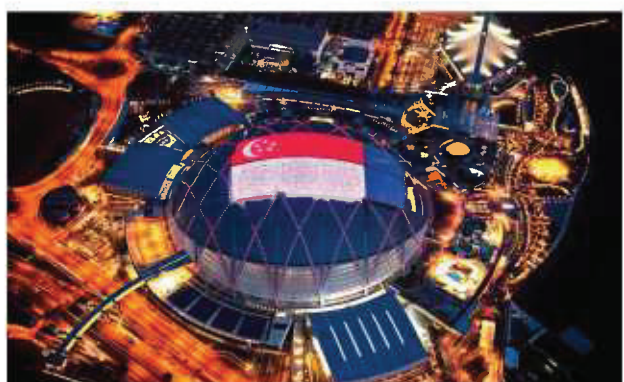
**PSA CORPORATE HEADQUARTERS**

*Pasir Panjang Avenue 7, Singapore*



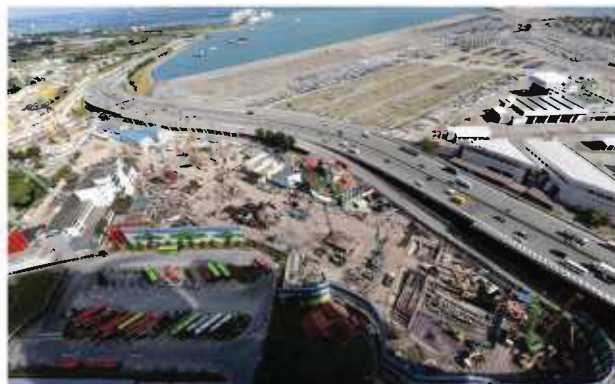
**KALLANG FIRE STATION**

*Guillermo Road, Singapore*



**SINGAPORE SPORTS HUB**

*Kallang, Singapore*



**CIRCLE LINE 6(CCL6) C821A**

*Kim Chuan, Singapore*

## SCHOOL & UNIVERSITIES



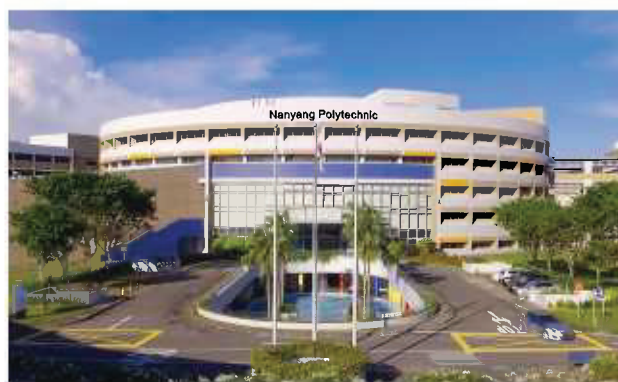
**NEXUS INTERNATIONAL SCHOOL**  
*Aljunied Campus, Singapore*



**NUS - DEEPWATER OCEAN BASIN**  
*21 Lower Kent Ridge Heights, Singapore*



**GLOBAL INDIAN INTERNATIONAL**  
*1 Punggol Field Walki, Singapore*



**NANYANG POLYCLINIC**  
*180 Ang Mo Kio Avenue 8, Singapore*



**SINGAPORE CHINESE GIRLS' SCHOOL**  
*190 Dunearn Road, Singapore*



**EUNOIA JUNIOR COLLEGE**  
*Sin Ming Avenue, Singapore*

## OTHERS



**FURNITURE HUB**  
Sungei Kadut, Singapore



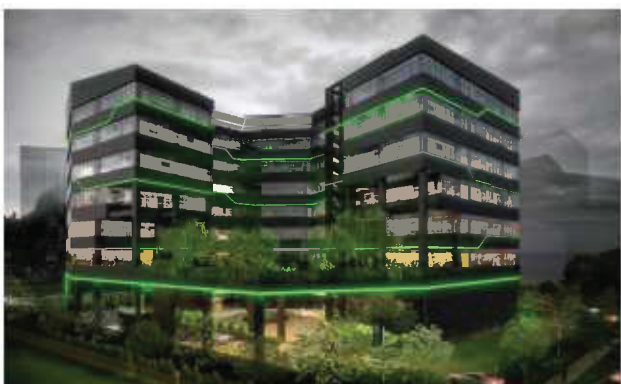
**JTC INNOVATION PRECINCT |  
WOODLANDS NORTH COAST**  
Woodlands Ave 4 & Ave 9, Singapore



**HOME TEAM NS CLUBHOUSE**  
Yishun Avenue 2, Singapore



**TIMMAC FACTORY**  
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**RAZER SOUTH-EAST ASIA  
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One-North Crescent, Singapore



**SURBANA JURONG CAMPUS**  
Cleantech Loop, Singapore

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**CITY GATE**  
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**NORTHPOINT SHOPPING CENTRE**  
*Yishun Singapore*



**FUNAN SHOPPING CENTRE**  
*109 North Bridge Road, Singapore*



**UBS SINGAPORE**  
*9 Penang Road, Singapore*

## COMMERCIAL & HOTEL PROJECTS



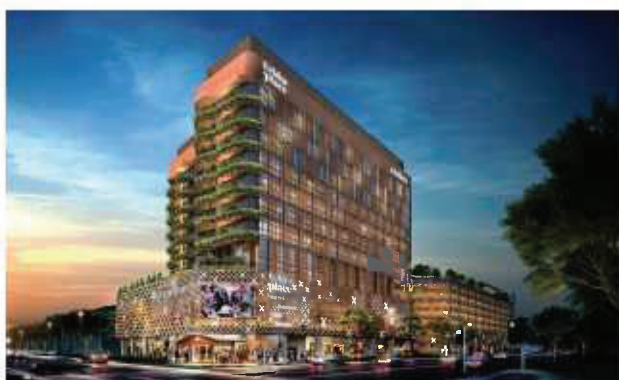
**THE CLAN HOTEL**

12/13 Amoy Street, Singapore



**CROWNE PLAZA**

75 Airport Boulevard, Singapore



**TEKKA PLACE**

2 Serangoon Road, Singapore



**DECATHLON SINGAPORE LAB**

230 Stadium Boulevard, Singapore



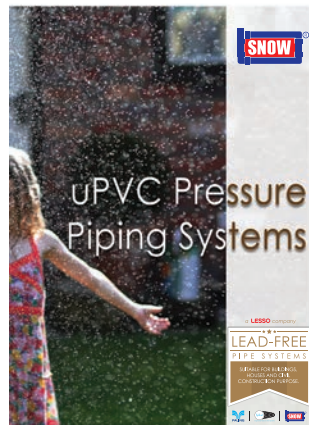
**PROJECT GLORY**

50 Market Street, Singapore

# LESSO



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