

# SWR Drainage System

IS:13592,14735  


Star SWR piping system is an effective solution for soil, waste and rainwater. They have various application in commercial and housing sectors with world class seals, Star SWR fittings ensures a leak proof joint and long lasting performance.

## Elbow 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	P
110 mm	4	ISI	P

## Elbow 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	R
90 mm	3	Heavy	R
110 mm	4	ISI	R
160 mm	6	Heavy	R

## Elbow 87.5°



Size in MM	inch	Grade	
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	LW	P

## Door Elbow 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	P
110 mm	4	ISI	P

## Door Elbow 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	R
90 mm	3	Heavy	R
110 mm	4	ISI	R
160 mm	6	Heavy	R

## Door Elbow 87.5°



Size in MM	inch	Grade	
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	LW	P

## Tee Single 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	P
110 mm	4	ISI	P



Tee Single 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	R
90 mm	3	Heavy	R
110 mm	4	ISI	R
160 mm	6	Heavy	R

Tee Single 87.5°



Size in MM	inch	Grade	
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	LW	P

Door Tee Single 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	P
110 mm	4	ISI	P

Door Tee Single 87.5°



Size in MM	inch	Grade	
75 mm	2½	ISI	R
90 mm	3	Heavy	R
110 mm	4	ISI	R
160 mm	6	Heavy	R

Door Tee Single 87.5°



Size in MM	inch	Grade	
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	LW	P

Door Tee Washer



Size in MM	inch
75 mm	2½
110 mm	4

Vent Cowl



Size in MM	inch	Grade	
40 mm	1¼	Heavy	P
50 mm	1½	Heavy	P
63 mm	2	Heavy	P
75 mm	2½	Heavy	P
90 mm	3	Heavy	P
110 mm	4	Heavy	P

Vent Cowl



Size in MM	inch	Grade	
63 mm	2	LW	P
110 mm	4	LW	P

Vent Cowl



Size in MM	inch	Grade	
63 x 50	2x1½	Heavy	P

Single Y



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R
160 mm	6	Heavy	R

Single Y



Size in MM	inch	Grade	
50 mm	1½	LW	P
63 mm	2	LW	P
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	ISI	P
140 mm	5	Heavy	P

Single Y Socket



Size in MM	inch	Grade	
50 mm	1½	LW	P

Single Y With Door



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R
160 mm	6	Heavy	R

Single Y With Door



Size in MM	inch	Grade	
63 mm	2	LW	P
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	LW	P
140 mm	5	Heavy	P

Cross Tee



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R

Cross Tee



Size in MM	inch	Grade	
75 mm	2½	Heavy	P
90 mm	3	Heavy	P
110 mm	4	Heavy	P

Cross Tee With Door



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R

Cross Tee With Door



Size in MM	inch	Grade	
75 mm	2½	Heavy	P
90 mm	3	Heavy	P
110 mm	4	Heavy	P

Double Y



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R

Double Y



Size in MM	inch	Grade	
75 mm	2½	Heavy	P
90 mm	3	LW	P
110 mm	4	Heavy	P

Double Y With Door



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R

Double Y With Door



Size in MM	inch	Grade	
75 mm	2½	Heavy	P
90 mm	3	LW	P
110 mm	4	Heavy	P

**Reducer SWR**



Size in MM	inch	Grade	
110 x 75	4x2½	LW	R
110 x 63	4x2	LW	P
110 x 75	4x2½	LW	P

**Cleansing Pipe With Door**



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R

**Cleansing Pipe With Door**



Size in MM	inch	Grade	
75 mm	2½	Heavy	P
90 mm	3	Heavy	P
110 mm	4	Heavy	P

**Door Cap**



Size in MM	inch	Grade	
40 mm	1¼	Heavy	T
50 mm	1½	Heavy	T
63 mm	2	Heavy	T
75 mm	2½	Heavy	T
90 mm	3	Heavy	T
110 mm	4	Heavy	T

**Nahani Trap**



Size in MM	inch	Grade	
110 x 63	4x2	H	P
110 x 75	4x2½	H	P
110 x 90	4x3	H	P

**Nahani Trap**



Size in MM	inch	Grade		
110 x 63	4x2	LW	P	45 W Jally
110 x 63	4x2	LW	P	45 W/O Jally
110x75	4x2½	LW	P	40 W Jally
110x75	4x2½	LW	P	40 W/O Jally
110 x 90	4x3	LW	P	35 W Jally
110 x 90	4x3	LW	P	35 W/O Jally

**P Trap**



Size in MM	inch	Grade	
110 mm	4	Heavy	P

**Q Trap**



Size in MM	inch	Grade	
110 mm	4	Heavy	P

**S Trap**



Size in MM	inch	Grade	
110 mm	4	Heavy	P

**Reducing Y**



Size in MM	inch	Grade	
110 x 75	4x2½	LW	R
75x 63	2½x2	LW	P
110 x 63	4x2	LW	P
110 x 75	4x2½	LW	P

**Square Jali**



Size in MM	inch	Grade	
110 mm	4		P

**Round Jali**



Size in MM	inch	Grade	
110 mm	4		P

**Pipe Clip**



Size in MM	inch	Grade	
25 mm	¾	LW	P
32 mm	1	LW	P

**Projection Clamp**



Size in MM	inch	Grade	
25 mm	¾	LW	P
32 mm	1	LW	P
40 mm	1¼	LW	P
50 mm	1½	LW	P
63 mm	2	LW	P
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	LW	P

**SWR Coupler**



Size in MM	inch	Grade	
75 mm	2½	LW	R
110 mm	4	LW	R

Size in MM	inch	Grade	
75 mm	2½	LW	P
110 mm	4	LW	P

**Reducing Door Y O Ring**



Size in MM	inch	Grade	
110 x 75	4x2½	LW	R

**Straight WC Connector**



Size in MM	inch	Grade	
125x110	5x4	LW	P

**Reducing Door Tee**



Size in MM	inch	Grade	
110 x 75	4x2½	LW	RXR
110 x 75	4x2½	LW	RXP

**P Trap Base**



Size in MM	inch	Grade	
110 mm	4	Heavy	P

**Reducing Tee**



Size in MM	inch	Grade	
110 x 75	4x2½	LW	R
110 x 75	4x2½	LW	P

**Oneway Trap**



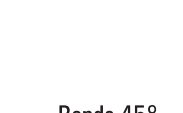
Size in MM	inch	Grade	
110x63&75	4	With Jali	
110x63&75	4	Without Jali	

**Multi Floor Trap**



Size in MM	inch	Grade	
3"-110x63	3x2	LW	P
4"-110x63&75	4x2, 2½	Heavy	P
7"-110x63&75	7x2, 2½	Heavy	P

**Multi Floor Trap Without Jali**



Size in MM	inch	Grade	
3"-110x63	4x2½	Heavy	P
4"-110x63&75	4x2, 2½	Heavy	p
7"-110x63&75	7x2, 2½	Heavy	P

**Bends 45°**



Size in MM	inch	Grade	
75 mm	2½	Heavy	R
90 mm	3	Heavy	R
110 mm	4	Heavy	R

**Bends 45°**



Size in MM	inch	Grade	
63 mm	2	LW	P
75 mm	2½	LW	P
90 mm	3	LW	P
110 mm	4	ISI	P

**Pan Connector Straight**



Size in MM	inch	Grade	
18 mm			

**Pan Connector Offset**

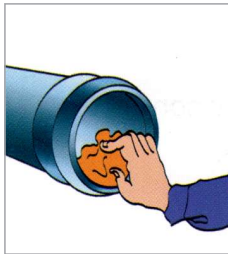


Size in MM	inch	Grade	
18 mm			
40 mm			

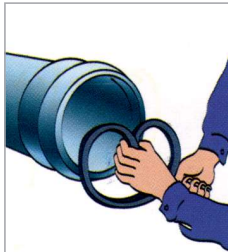




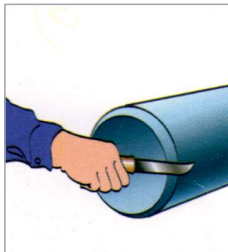
## Installation of STAR Ringfit PVC Pipes



1. Clean the profile ring, the inside of the socket and the groove for the ring

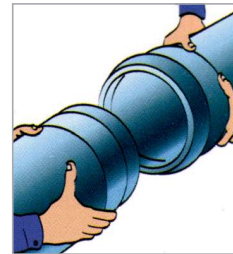


2. Wet the profile ring with clean water. Squeeze it into a heart shape, then let it shape into the groove and check alignment

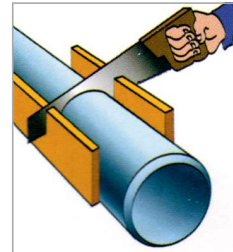


3. The pipe ends provided with a 150 factory made chamfer, must be cleaned and coated with lubricant before pushing into the socket. Mark insertion depth if not already provided.

4. Push together only up to the insertion mark to take care of expansion. For large diameter pipes, a pipe jack may be used



5. If shorter lengths are required, cut off the pipe ends squarely using fine-toothed saw and miter box.

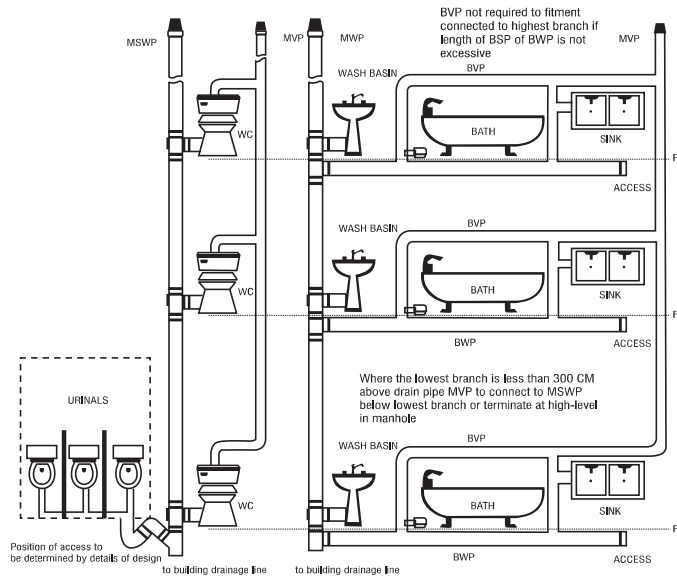


6. Prior to insertion in the socket the cut-off pipe must be deburred and chamfered approx 150, using a file or chamfering tool

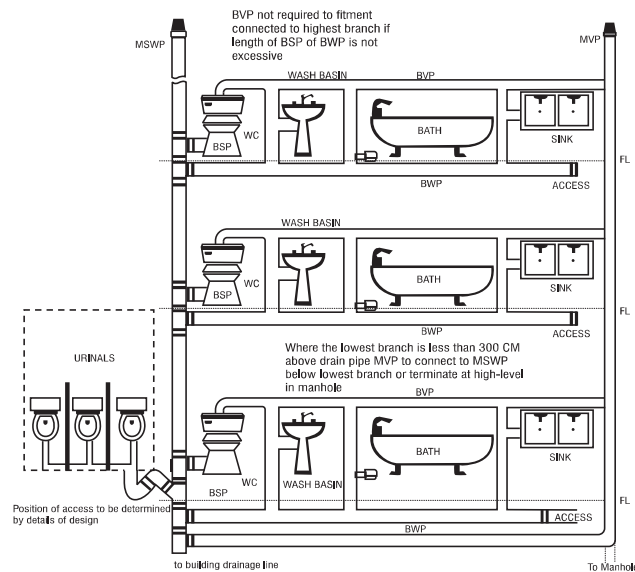


# SWR Drainage Installation Method

## Double pipe system



## Single pipe system



MWP - Main Waste Pipe  
MVP - Main Vent Pipe

MsWP - Main Soil Waste Pipe  
BVP - Branch Vent Pipe  
BWP - Branch Waster Pipe

BSP - Branch Soile Pipe  
WC - Water Closet



**star** SWR System



**Typical Sanitation System**

## Underground Drainage Fittings

### Inspection Chamber

- 315 x 110 - One Way
- Two Way Left/Right
- 3 Way Left/Right
- Bend
- Riser

#### THE SYSTEM

Star Underground drainage and sewerage system has been specially developed around the concept of promoting healthy and hygienic way of life by keeping the premises clean and neat. In order to avoid the offensive smell and unpleasant sight of human waste, the drainage system should be hidden from the view and should be able to withstand the ravages of time and weather. Hence it goes without saying that it should be of superior quality and should be able to function year after year without leakage or defects. It should ensure trouble free performance and durability that is where star comes in.



3 Way With Riser



2 Way With Riser



Bend With Riser



1 Way

Top Cover



Size in MM	inch
315 mm	12

2 Way Left & Right



Size in MM	inch
315 mm	12

Riser



Size in MM	inch
315 mm	12

2 Way Left



Size in MM	inch
315 mm	12

Base 1 Way Straight



Size in MM	inch
315 mm	12

3 Way Left & Right



Size in MM	inch
315 mm	12

Bend



Size in MM	inch
315 mm	12

2 Way Right



Size in MM	inch
315 mm	12

#### Half Round Centre Drop

Size in MM	inch
160 x 110	6x4
160 x 63	6x2
160 x 75	6x2½



#### Half Round End Drop

Size in MM	inch
160 x 110	6x4
160 x 63	6x2
160 x 75	6x2½



#### Half Round Elbow Drop

Size in MM	inch
160x110	6x4
160x75	6x2½
160x63	6x2



#### Half Round Elbow

Size in MM	inch
160 mm	6



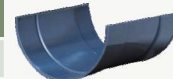
#### Half Round End Cap

Size in MM	inch
160 mm	6



#### Half Round Coupler

Size in MM	inch
160mm	6



## Rain Water Harvester

