SANSICO™

Complies to BS EN 1253:2003

TOP ACCESS FLOOR TRAP SYSTEM

S2

LOOKS BETTER & FLOWS FASTER

MS SIRIM

MADE IN MALAYSIA

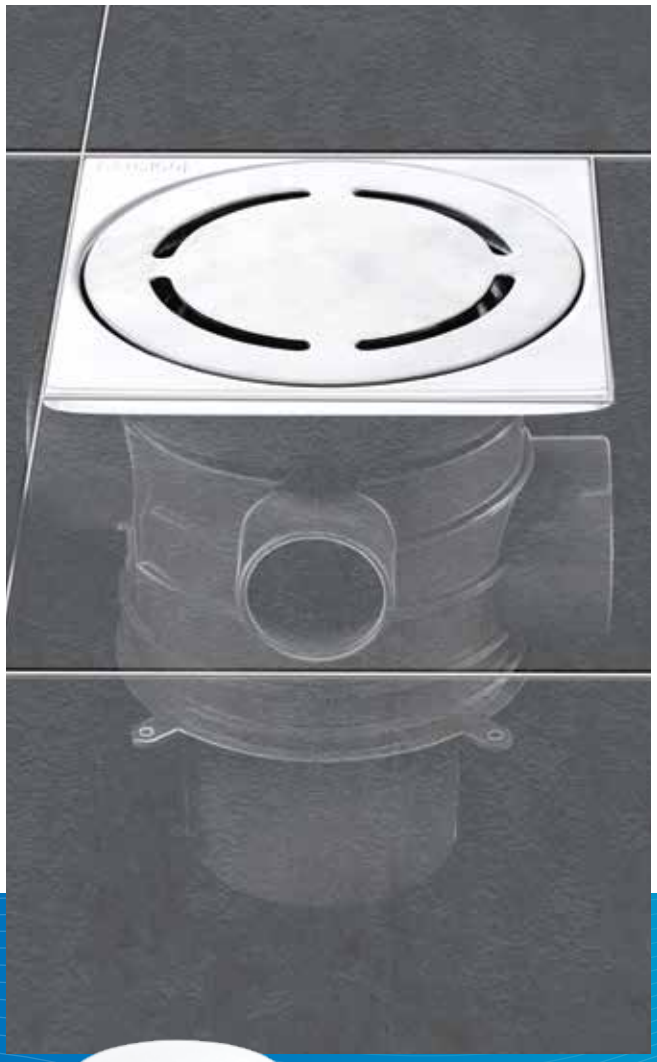
LUXURIOUS
GRATINGS & COLLARS

Quality without Compromise
Elegant Gratings with Trap System

Print Edition for July 2019

Top Access Floor trap System

S2 Model

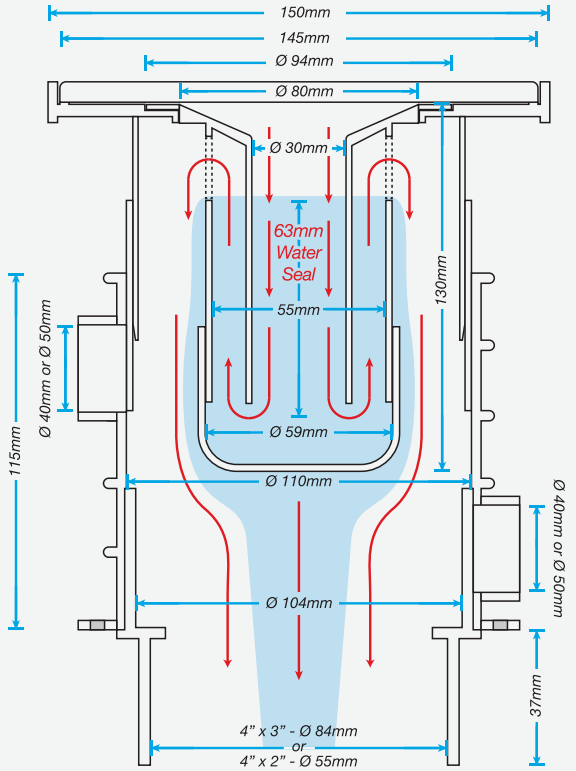


Flow rate: 68 litres / minute

*Sirim requirement: 48 litres / minute

Dimensions of

S2 model Top Access Floor Trap System
4” Pipe Sleeve

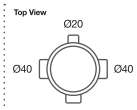
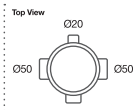


*Air conditioner drain pipe is not recommended to connect to the pipe sleeve
*S2 trap system can be used as bottom or side discharge

Benefits of S2 Trap system:

- Can convert the conventional to top access floor trap. Easy conversion with existing pipe sleeve, without major hacking
- Prevents bubble / foam from overflowing
- Prevents foul smell and insects from entering the house
- Top cleaning / access
- Higher False Ceiling, space saving

Trap System Product Code

Water Trap		4” Pipe Sleeve					Outlet		4” End Cap
Grey	White	Without Inlet	With Inlet				4” x 3”	4” x 2”	
									
S1/S2-WT-G	S1/S2-WT-G	S2-PS4	40 x 32 x 40 x 20 S2-PSI4-4040		50 x 32 x 50 x 20 S2-PSI4-5050		S2-OL4X3	S2-OL4X2	S2-SFEC-4

6” & 4” Grating & Collar

Web / Round / Fish / Blank

4” Web

- **Plastic Grating**
  S1-GP-W
- **Standard Plastic Collar**
  S1/S2-CP4-W

4” Web
c/w Washing Machine Hose Opening + Plastic Plug

- **Plastic Grating**
  S1-GP-W-32PP
- **Standard Plastic Collar**
  S1/S2-CP4-W

6” Web-1

- **Plastic Grating**
  GP-W
- **Standard Plastic Collar**
  S2-CP-W
- **360˚ Aligning Collar**
  S2-ACP-6P

6” Web-1
c/w Washing Machine Hose Opening + Plastic Plug

- **Plastic Grating**
  GP-W-32PP
- **Standard Plastic Collar**
  S2-CP-W
- **360˚ Aligning Collar**
  S2-ACP-6P

6” Round-1

- **Stainless Steel Grating**
  GSS-R
- **Stainless Steel Collar**
  S2-CSS-R

6” Round-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-R-32SSP
- **Stainless Steel Collar**
  S2-CSS-R

6” Fish-1

- **Stainless Steel Grating**
  GSS-F
- **Stainless Steel Collar**
  S2-CSS-R

*2 nos Cross Head SS Screws Included

6” Stainless Steel Blank-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-B-32SSP
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*4 nos Cross Head SS Screws Included

6” Plastic Blank-1

- **Plastic Grating**
  GP-B
- **Standard Plastic Collar**
  S2-CP-W
- **360˚ Aligning Collar**
  S2-ACP-6P

6” & 4” Grating & Collar

Tile Tray

6” Stainless Steel Tile Tray & Collar

- **Stainless Steel Tile Tray**
  TSS-TT6
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-TT-G (Grey)
  S2-CPSSL-TT-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-TT-G (Grey)
  S2-ACPSSL-TT-W (White)

6” Stainless Steel Tile Tray with Plastic Collar

- **Stainless Steel Tile Tray**
  TSS-TT6
- **Standard Plastic Collar**
  S2-CP-TT-G (Grey)
  S2-CP-TT-W (White)
- **360˚ Aligning Collar**
  S2-ACP-TT-G (Grey)
  S2-ACP-TT-W (White)

6” Plastic Tile Tray & Collar White

- **Plastic Tile Tray**
  TP-TT6-W
- **Standard Plastic Collar**
  S2-CP-TT-W
- **360˚ Aligning Collar**
  S2-ACP-TT-W

6” Plastic Tile Tray & Collar Grey

- **Plastic Tile Tray**
  TP-TT6-G
- **Standard Plastic Collar**
  S2-CP-TT-G
- **360˚ Aligning Collar**
  S2-ACP-TT-G

4” Stainless Steel Tile Tray & Collar

- **Stainless Steel Tile Tray**
  TSS-TT4
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-TT4-G (Grey)
  S2-CPSSL-TT4-W (White)

4” Plastic Tile Tray & Collar White

- **Plastic Tile Tray**
  TP-TT4-W
- **Standard Plastic Collar**
  S2-CP-TT4-W

4” Plastic Tile Tray & Collar Grey

- **Plastic Tile Tray**
  TP-TT4-G
- **Standard Plastic Collar**
  S2-CP-TT4-G

6” Grating & Collar

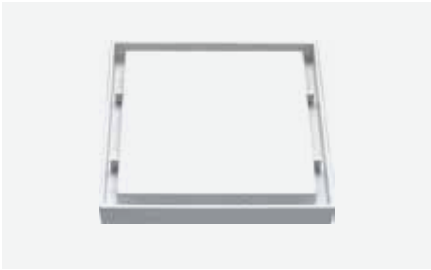
Maze / Planar

6” Maze-5

- **Stainless Steel Grating**
  GSS-M
- **Stainless Steel Collar**
  S2-CSS-S

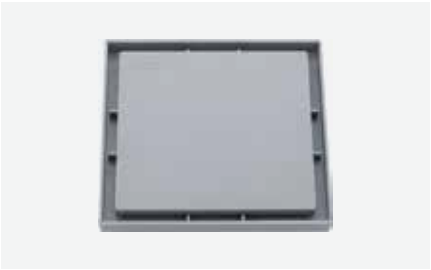
6” Maze-5
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-M-32SSP
- **Stainless Steel Collar**
  S2-CSS-S



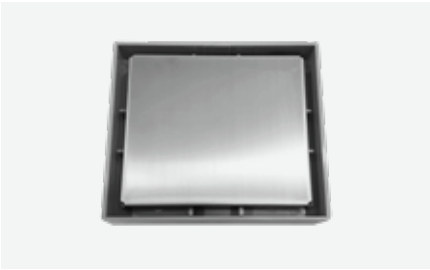
6” Maze-3 White

- **Plastic Grating**
  GP-M-W
- **Standard Plastic Collar**
  S2-CP-M3-W
- **360˚ Aligning Collar**
  S2-ACP(SSL)-TT-W



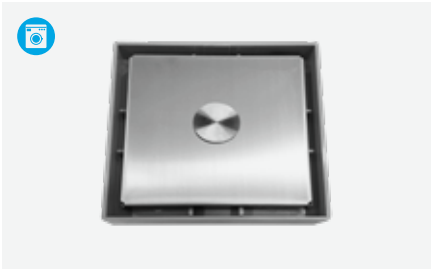
6” Maze-3 Grey

- **Plastic Grating**
  GP-M-G
- **Standard Plastic Collar**
  S2-CP-M3-G
- **360˚ Aligning Collar**
  S2-ACP(SSL)-TT-G



6” Planar Short-1

- **Stainless Steel Grating**
  GSS-PS
- **Standard Plastic Collar**
  S2-CP(SSL)-TT-G (Grey)
  S2-CP(SSL)-TT-W (White)
- **360˚ Aligning Collar**
  S2-ACP(SSL)-TT-G (Grey)
  S2-ACP(SSL)-TT-W (White)



6” Planar Short-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-PS-32SSP
- **Standard Plastic Collar**
  S2-CP(SSL)-TT-G (Grey)
  S2-CP(SSL)-TT-W (White)
- **360˚ Aligning Collar**
  S2-ACP(SSL)-TT-G (Grey)
  S2-ACP(SSL)-TT-W (White)

6” Planar Tall-1

- **Stainless Steel Grating**
  GSS-PT
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-TT-G (Grey)
  S2-CPSSL-TT-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-TT-G (Grey)
  S2-ACPSSL-TT-W (White)

6” Planar Tall-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-PS-32SSP
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-TT-G (Grey)
  S2-CPSSL-TT-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-TT-G (Grey)
  S2-ACPSSL-TT-W (White)

6” & 4” Grating & Collar

Daisy

6” Daisy Square-1

- **Stainless Steel Grating**
  GSS-DS
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Daisy Square-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-DS-32SSP
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*2 nos Cross Head SS Screws Included

6” Daisy Square-1 Anti-Theft

- **Stainless Steel Grating**
  GSS-DS-AT
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Daisy Square-5

- **Stainless Steel Grating**
  GSS-DS4
- **Stainless Steel Collar**
  S2-CSS-S

6” Daisy Square-5
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-DS4-32SSP
- **Stainless Steel Collar**
  S2-CSS-S

*2 nos Allen Key SS Screws Included

6” Daisy Square-5 Anti-Theft

- **Stainless Steel Grating**
  GSS-DS4-AT
- **Stainless Steel Collar**
  S2-CSS-S-AT

6” Daisy Square-6

- **Stainless Steel Grating**
  GSS-DS3
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Daisy Square-6
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-DS3-32SSP
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Daisy Round-1

- **Stainless Steel Grating**
  GSS-DR
- **Stainless Steel Collar**
  S2-CSS-R

6” & 4” Grating & Collar

Daisy

6” Daisy Round-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-DR-32SSP
- **Stainless Steel Collar**
  S2-CSS-R

4” Daisy

- **Stainless Steel Grating**
  S1-GSS-D
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

4” Daisy
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  S1-GSS-D-32SSP
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

*2 nos Cross Head SS Screws Included

4” Daisy Anti-Theft

- **Stainless Steel Grating**
  S1-GSS-D-AT
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

6” Grating & Collar

Venus

6” Venus Square-1

- **Stainless Steel Grating**
  GSS-VS
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Venus Square-1
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-VS-32SSP
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*2 nos Cross Head SS Screws Included

6” Venus Square-1 Anti-Theft

- **Stainless Steel Grating**
  GSS-VS-AT
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Venus Square-5

- **Stainless Steel Grating**
  GSS-VS4
- **Stainless Steel Collar**
  S2-CSS-S

6” Venus Square-5
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-VS4-32SSP
- **Stainless Steel Collar**
  S2-CSS-S

*2 nos Allen Key SS Screws Included

6” Venus Square-5 Anti-Theft

- **Stainless Steel Grating**
  GSS-VS4-AT
- **Stainless Steel Collar**
  S2-CSS-S-AT

6” Venus Square-6

- **Stainless Steel Grating**
  GSS-VS3
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Venus Square-6
c/w Washing Machine Hose Opening + SS Plug

- **Stainless Steel Grating**
  GSS-VS3-32SSP
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Venus Round-1

- **Stainless Steel Grating**
  GSS-VR
- **Stainless Steel Collar**
  S2-CSS-R

6” Grating & Collar

Venus

6” Venus Round-1
c/w Washing Machine Hose Opening + SS Plug

Stainless Steel Grating
GSS-VR-32SSP

Stainless Steel Collar
S2-CSS-R

6” Grating & Collar

Bamboo

6” Bamboo-1

- **Stainless Steel Grating**
  GSS-BB
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*2 nos Cross Head SS Screws Included

6” Bamboo-1 Anti-Theft

- **Stainless Steel Grating**
  GSS-BB-AT
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Bamboo-6

- **Stainless Steel Grating**
  GSS-BB3
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Bamboo-5

- **Stainless Steel Grating**
  GSS-BB4
- **Stainless Steel Collar**
  S2-CSS-S

*2 nos Allen Key SS Screws Included

6” Bamboo-5 Anti-Theft

- **Stainless Steel Grating**
  GSS-BB4-AT
- **Stainless Steel Collar**
  S2-CSS-S-AT

6” Grating & Collar

Diamond

6” Diamond Square-1

- **Stainless Steel Grating**
  GSS-DMS
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*2 nos Cross Head SS Screws Included

6” Diamond Square-1 Anti-Theft

- **Stainless Steel Grating**
  GSS-DMS-AT
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Diamond Square-6

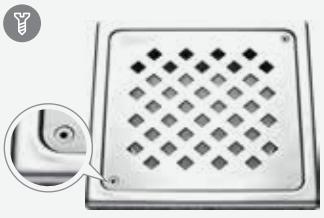
- **Stainless Steel Grating**
  GSS-DMS3
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Diamond Round-1

- **Stainless Steel Grating**
  GSS-DMR
- **Stainless Steel Collar**
  S2-CSS-R

6” Diamond Square-5

- **Stainless Steel Grating**
  GSS-DMS4
- **Stainless Steel Collar**
  S2-CSS-S



*2 nos Allen Key SS Screws Included

6” Diamond Square-5 Anti-Theft

- **Stainless Steel Grating**
  GSS-DMS4-AT
- **Stainless Steel Collar**
  S2-CSS-S-AT

6” & 4” Grating & Collar

Chess

6” Chess Square-1

- **Stainless Steel Grating**
  GSS-CHS
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*2 nos Cross Head SS Screws Included

6” Chess Square-1 Anti-Theft

- **Stainless Steel Grating**
  GSS-CHS-AT
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Chess Square-6

- **Stainless Steel Grating**
  GSS-CHS3
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Chess Round-1

- **Stainless Steel Grating**
  GSS-CHR
- **Stainless Steel Collar**
  S2-CSS-R

6” Chess Square-5

- **Stainless Steel Grating**
  GSS-CHS4
- **Stainless Steel Collar**
  S2-CSS-S

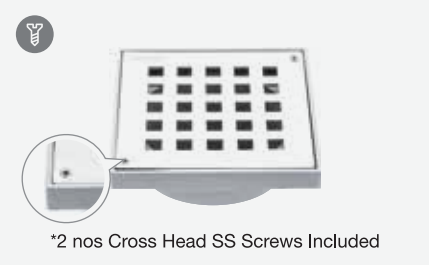
*2 nos Allen Key SS Screws Included

6” Chess Square-5 Anti-Theft

- **Stainless Steel Grating**
  GSS-CHS4-AT
- **Stainless Steel Collar**
  S2-CSS-S-AT

4” Chess

- **Stainless Steel Grating**
  S1-GSS-C
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)



*2 nos Cross Head SS Screws Included

4” Chess Anti-Theft

- **Stainless Steel Grating**
  S1-GSS-C-AT
- **Standard Plastic Collar**
  S1/S2-CP4-G (Grey)
  S1/S2-CP4-W (White)

6” Grating & Collar

Chequer

6” Chequer Square-1

- **Stainless Steel Grating**
  GSS-CQS
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

*2 nos Cross Head SS Screws Included

6” Chequer Square-1 Anti-Theft

- **Stainless Steel Grating**
  GSS-CQS-AT
- **Standard Plastic Collar**
  S2-CP-G (Grey)
  S2-CP-W (White)
- **360˚ Aligning Collar**
  S2-ACP-6SS-G (Grey)
  S2-ACP-6SS-W (White)

6” Chequer Square-6

- **Stainless Steel Grating**
  GSS-CQS3
- **Standard Plastic Collar with SS Lining**
  S2-CPSSL-G (Grey)
  S2-CPSSL-W (White)
- **360˚ Aligning Collar**
  S2-ACPSSL-G (Grey)
  S2-ACPSSL-W (White)

6” Chequer Round-1

- **Stainless Steel Grating**
  GSS-CQR
- **Stainless Steel Collar**
  S2-CSS-R

6” Chequer Square-5

- **Stainless Steel Grating**
  GSS-CQS4
- **Stainless Steel Collar**
  S2-CSS-S

*2 nos Allen Key SS Screws Included

6” Chequer Square-5 Anti-Theft

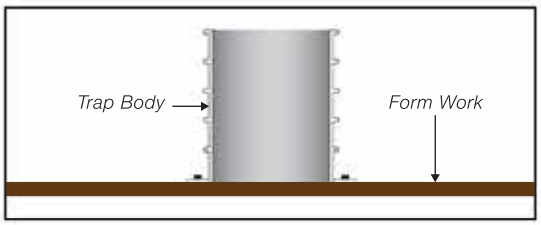
- **Stainless Steel Grating**
  GSS-CQS4-AT
- **Stainless Steel Collar**
  S2-CSS-S-AT

S2

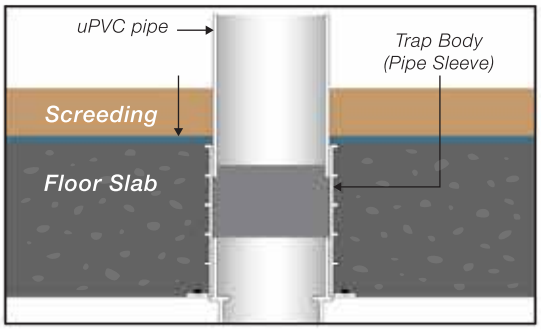
Installation Method

Recommended slab thickness 125mm and above.

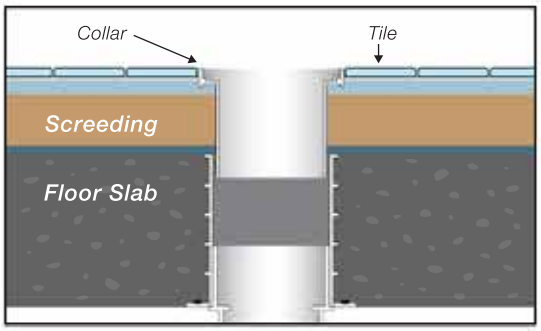
Step 1: Nail trap body to form work.



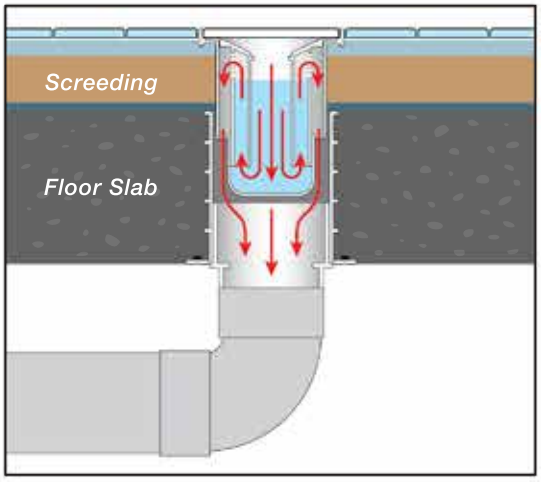
Step 2: Place 4" uPVC pipe on top of trap body. Water proof and screed.



Step 3: Cut uPVC pipe and place collar during tiling.

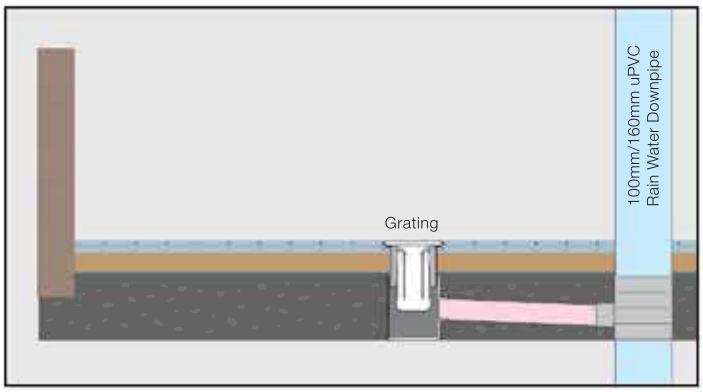


Step 4: Use outlet to make connection to main stack and place grating and trap on the collar.

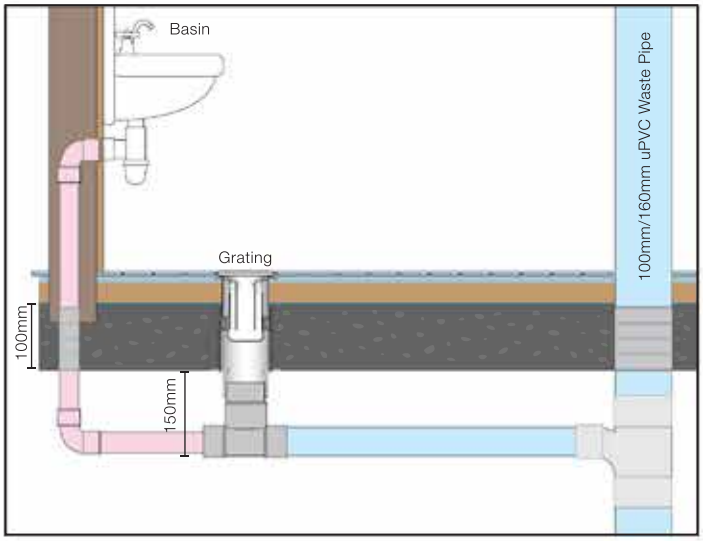


*All connections to trap body for S2 models should have their individual traps.

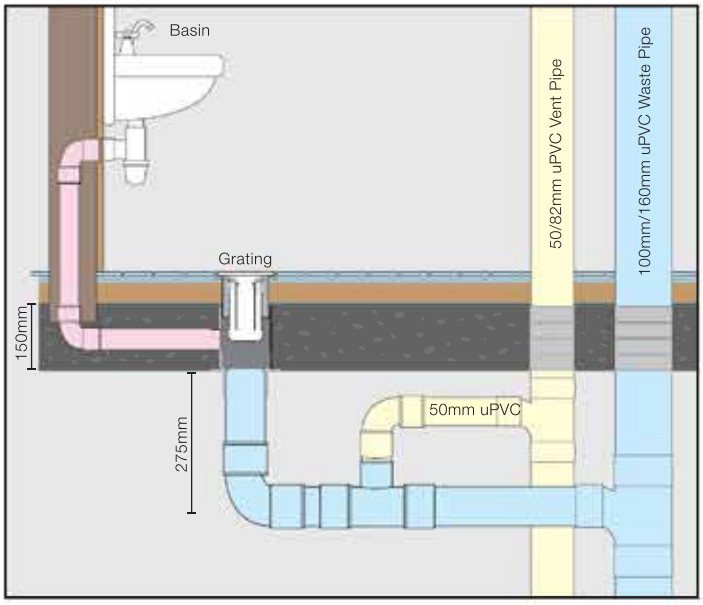
Cross Section Layout (side flow at balcony)



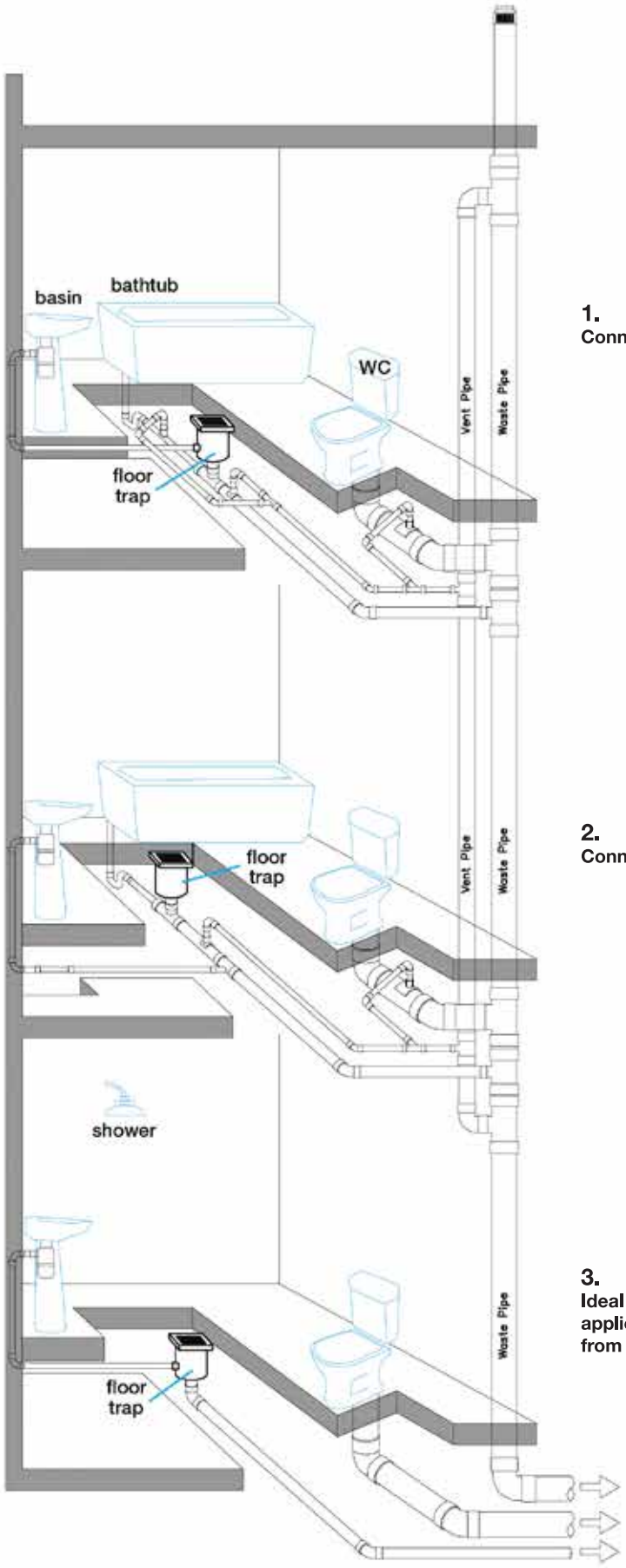
Cross Section Layout (connection of basin below trap)



Cross Section Layout (connection of basin into trap body with venting)



Schematic Layout



1.
Connection of basin into trap body

2.
Connection of basin below trap.

3.
Ideal solution for ground floor applications, to allow servicing from top.

Technical Data

The flow rating or capacity of a floor drain is determined by several factors:

Size of Waste-line

A horizontal branch waste-line with normal pitch or slope, with a deep seal trap at drain outlet is capable of conveying as follows:

Size	Flow Rate
2 inch (50mm)	10 to 25 GPM
3 inch (75mm)	30 to 75 GPM
4 inch (100mm)	75 to 150 GPM

Traps with sediment buckets, strainers, etc. will reduce maximum flow rating by up to 20%

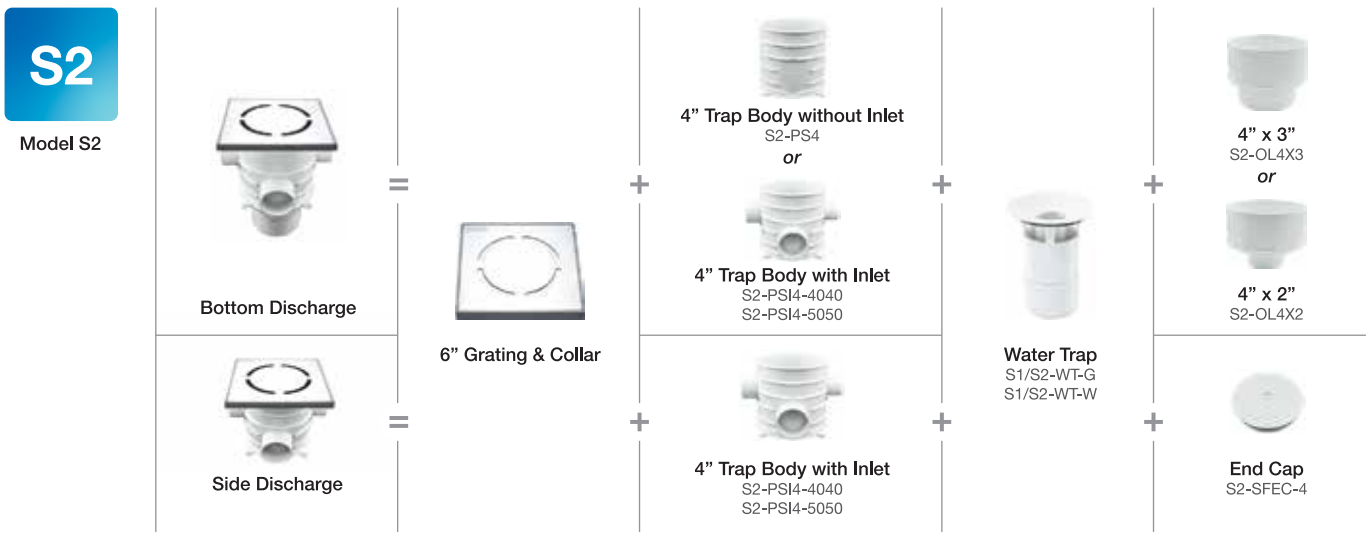
The table gives general reference when considering overlow of fixtures or sources of water that may be discharged through floor drains.

Fixtures	Flow (GPM)
Wash Basin	5-7
Kitchen Sink	8-10
Bath	6-10
Shower	5-8
Washing Machine	4-6
Dish Washing Machine	4-6

Tests undergone by the SANSICO Floor Trap/Gulley

- Load Test
- Depth of Water Seal
- Resistance of Water Seal to Pressure
- Access for Cleaning
- Anti Blockage
- Temperature Cycling
- Odour Tightness
- Water Tightness of Body
- Flow Rate Test

Summary of S2 system



360° Aligning Collar

NEW PRODUCT AWARD ARCHIDEX 17 WINNER

Another Innovative product from us.

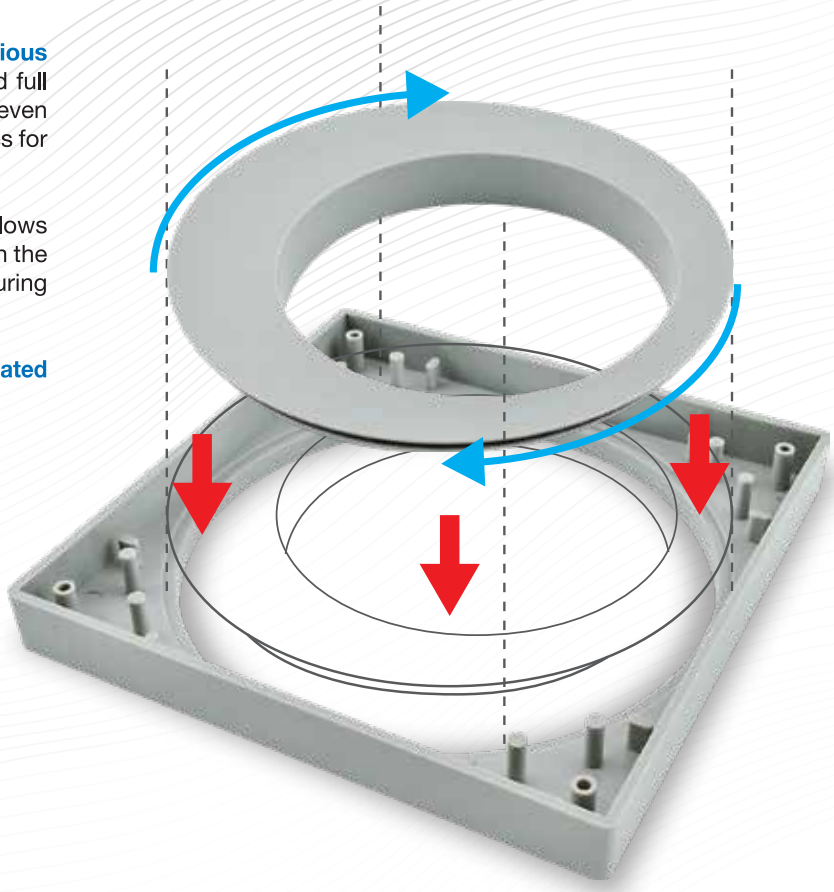
With the many obvious benefits, advantages and increasing popularity of in-slab floor traps, there is an increasing need to have easy and uninterrupted access to the inside of these traps for maintenance purposes.

Towards this end, Sansico has patented an **ingenious floor trap collar system** that gives unlimited and full access to the floor trap. The opening size is even larger than the trap itself, this provides easy access for maintenance and repair.

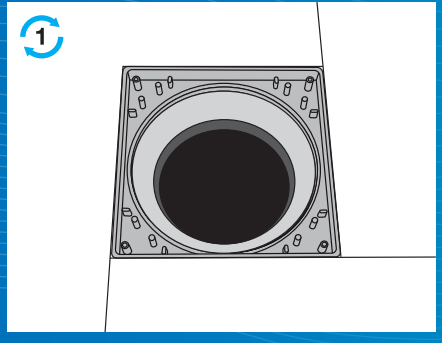
The central part of this collar is rotatable and allows for a misalignment up to 20mm (in any direction) in the collar placing, this can sometimes happen during tiling.

Usage of this collar eliminates all problems associated with access to floor traps for maintenance.

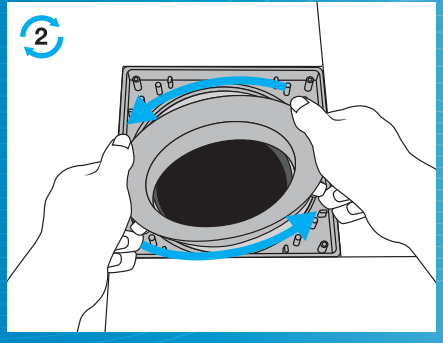
A great value item, makes life easier for the end user.



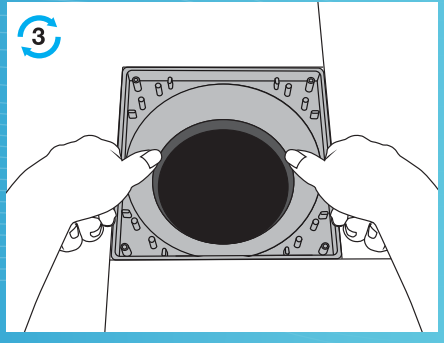
Installation Method



Install collar frame.



Adjust position by using adjustable collar insert.



Push the collar insert into collar frame.

Notes

Notes