

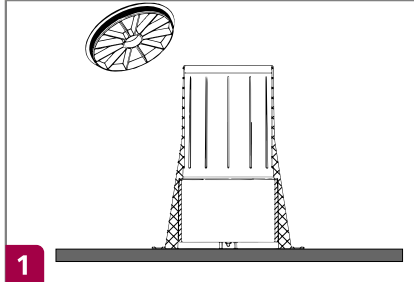
# Installation instructions

## Product

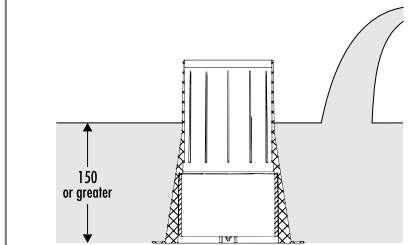
### SNAP 'H' High Top Collars:

|                         |                       |  |
|-------------------------|-----------------------|--|
| <b>SNAP H50 FWS-RR</b>  | <b>SNAP H50 S-RR</b>  | <b>FWS - Floor waste and Shower<br/>S - Stack only</b> |
| <b>SNAP H65 FWS-RR</b>  | <b>SNAP H65 S-RR</b>  |  |
| <b>SNAP H100 FWS-RR</b> | <b>SNAP H100 S-RR</b> |  |
|                         | <b>SNAP H150 S-RR</b> |  |

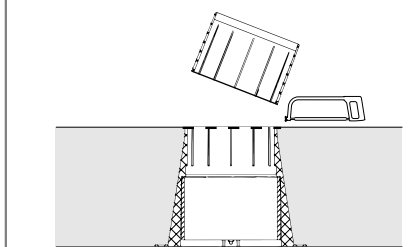
## Situation



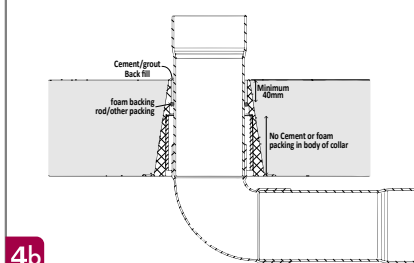
1



2



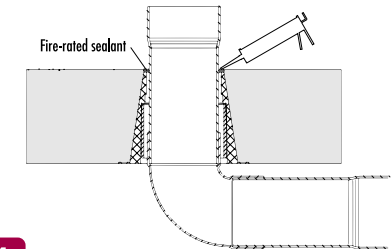
3



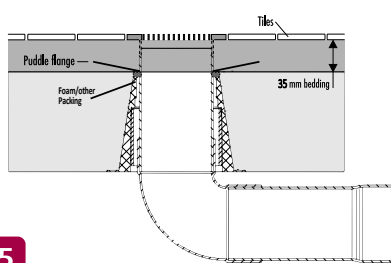
4b

1. Position and fix Locator Plate to formwork. Clip SNAP collar onto plate. Place clouts in break-away holders to secure SNAP Collar to form ply. Fit cap.
2. Pour concrete. SNAP High top Collars are approved for use in concrete with a minimum thickness of 150mm.
3. After the form ply has been removed, cut the case of the SNAP Collar at the level of the concrete slab using a hacksaw or pipe saw.
4. For stack work, install the required pipe by sliding it through the collar. 4a. For small gaps, the space between the pipe and collar casing can be filled with a fire rated sealant. 4b. For larger gaps, pack the space between the pipe and collar casing with foam/similar product to stop concrete entering the body of the collar, and then back fill with concrete/grout (4.b).
5. For a Floorwaste or Shower system, install a puddle flange around the pipe. Pack the gap between the pipe and collar casing with foam/similar product to stop concrete entering the collar. Pour 35mm thick bedding onto the concrete. Install the floorwaste on the pipe.
6. Inspect the collar to ensure no excess concrete remains around the fusible links and springs, and there is no foreign material in body of collar. Ensure that the bottom of the collar is completely exposed to the compartment below and the springs are entirely visible.

**!** **IMPORTANT** The intumescent sleeve must not be altered or tampered with.



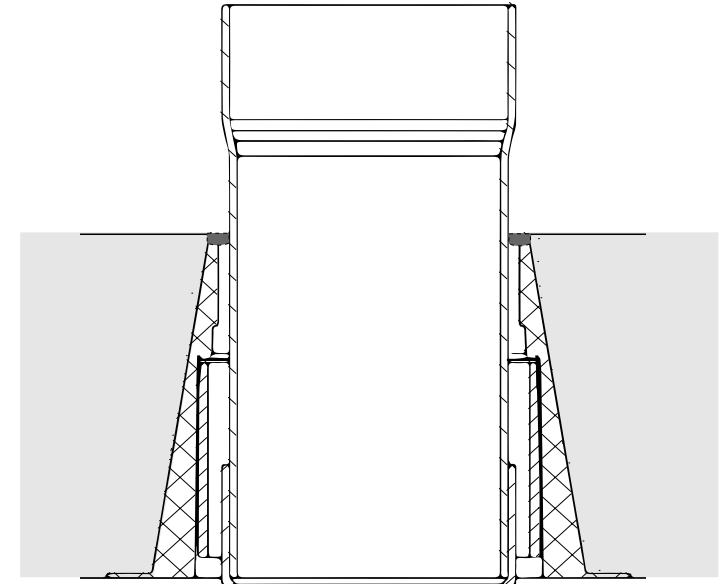
4a



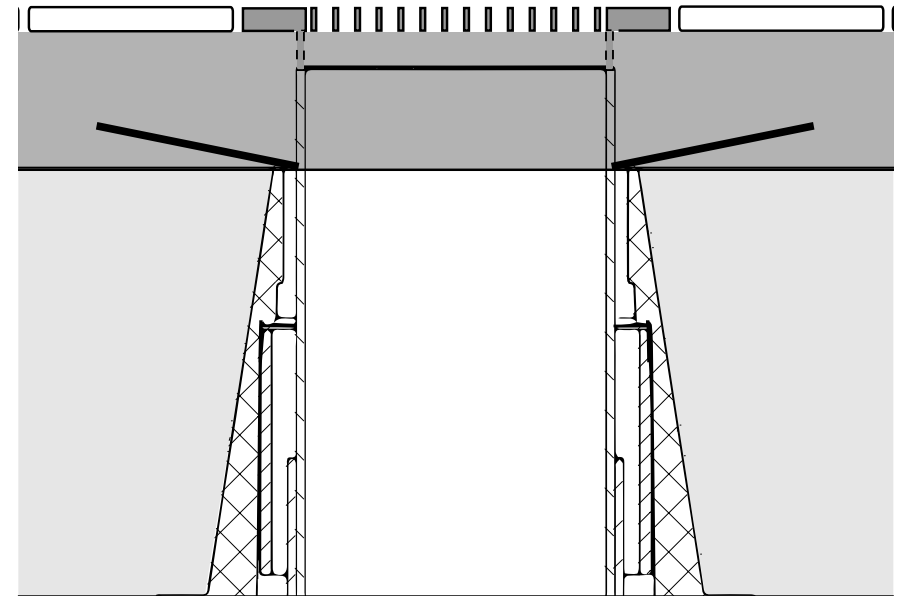
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## Installation details

INST-HT



**FWS-RR and S-RR models - cast in concrete slab for stack work**



**FWS-RR model only - cast in concrete slab with floor waste**

The only Smoke and Fire Collar

**SNAP**  
Collar

SNAP Fire Systems Pty Ltd  
Building A, 1343 Wynnum Road  
Tingalpa QLD 4178  
Phone 1300 76 46 26  
Website [www.snapcollars.com.au](http://www.snapcollars.com.au)

# Installation of SNAP Collars on Bondek

When using SNAP Fire Collars in a Bondek slab, it is vitally important that the system is installed correctly so that the SNAP collars will activate as designed in the event of fire.

In order for the SNAP collar to perform as tested, it is necessary for the 'spring pockets' (the recesses containing the springs) to be exposed to any heat generated by the fire so that the SNAP collar activates immediately. The spring pockets should not be covered by the Bondek sheet at the base of the slab under any circumstances.

## **N.B. The Joint Ridge must not be cut in order to install fire collars.**

There are 3 methods to ensure correct installation:

### Using a Hole Saw:

A 92mm diameter Hole Saw can be used to cut a hole for installation of the **H50FWS and H50S only**. **SNAP collars have not been approved for use with any other size hole and collar combination and will not be compliant if used on any other collar sizes. Further testing and approvals will be forthcoming.**

Method:

- 1) Cut hole in Bondek sheet using the 92mm Hole Saw.
- 2) Secure SNAP collar centrally over the hole making sure that all spring pockets are equally exposed underneath. The collar must be secured sufficiently that it does not move during the slab pour.

### Plasma Cutting Templates

Steel cutting templates for plasma cutters are available on request from your distributor. Templates are available for the 150, 100, and 50 sizes of SNAP collars.

Method:

- 1) Secure template to Bondek sheet. The template can also be used with a permanent marker to trace a shape to cut out.
- 2) Using a plasma cutter, cut out shape.
- 3) Secure SNAP collar to Bondek with the spring pockets aligned with hole so that the springs are visible from underneath.

### Fitted Metal Plates

Square metal plates with a pre-cut hole for the collar are available on request from your distributor. A design file for laser cutting is also available if you prefer to have your own made.

Method:

- 1) Cut a square hole in the Bondek sheet. The hole must be small enough to ensure that the plate can be screwed to the Bondek sheet, and large enough that the spring pockets are not covered by the sheet at all.
- 2) Secure SNAP collar to fitted metal plate
- 3) Secure plate to Bondek

**Caution: Steel Template can become extremely hot**



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