

SitaDSS Ravana

Extra small. Extra flexible.



SitaDSS
Ravana

- + For small roof areas or gutters
- + For main or emergency drainage
- + Two-piece structure with the SitaDSS Ravana extension unit
- + Width only 195 mm
- + Non-combustible



SitaDSS Ravana
Screw-on flange Vertical



SitaDSS Ravana
Screw-on flange
Extension unit



SitaDSS Ravana
Retaining element

SitaDSS Ravana

Product features at a glance:

Product features

Applications	For main and emergency drainage as siphonic drainage to DIN EN 12056-3 and DIN 1986-100 for used and unused flat and slightly pitched roofs and gutters
Material	Stainless steel
Design	Vertical
Temperature resistance, min.	-20 °C
Material class	Euroclass A1 /A1 non-flammable
Properties	+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.) + Impact and shock resistant + Durable + Universal for any seal
Workmanship	The general rules of engineering as well as the installation examples and installation instructions of Sita Bauelemente GmbH form the basis. The installation examples are for illustration purposes only and are a general, non-binding recommendation. The design is shown in schematic form only and does not replace the necessary work, detail and installation planning by the contractor. The customer, planner, contractor, etc. is responsible for checking the suitability, completeness and dimensions for the project and adjusting or tailoring the components to suit local requirements. Neighbouring works are shown in schematic form with no guarantee of their being complete or correct. The technical specifications in the information sheets, workmanship guidelines and system permits must be adhered to.

Quality mark



Bauart geprüft
und überwacht

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ID 1111219628

SitaDSS Ravana

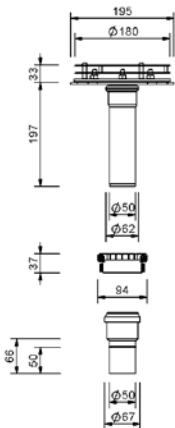
Screw-on flange Vertical



Tender text

SitaDSS Ravana, gutter rainwater outlet for siphonic drainage, made of rust-proof stainless steel, material no. 1.4301, to DIN EN 1253-2, in size DN 50, with an adapter consisting of a PE-HD plug-in coupler DN 50 in a length of 115 mm with connector, for direct connection to PE pipes to DIN EN 1519. With a discharge rate to prEN 1253-2:2013 of 15.7 l/s with a water column of 46 mm, with pre-drilled holes to secure the component in the substructure, with six threaded rods M8, length 25 mm, washers and hexagon nuts, loose flange made of rust-proof stainless steel, material no. 1.4301, with welding pins to hold the Airstop, two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes. Complete including Airstop, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Article number
50	50	100	28 00 99

* OD = Outer diameter (mm)

SitaDSS Ravana

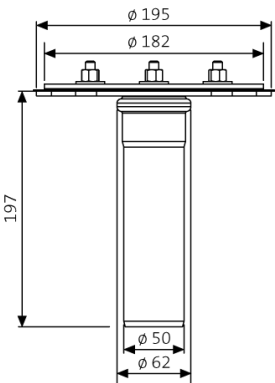
Screw-on flange Extension unit



Tender text

SitaDSS Ravana extension unit, made of rust-proof stainless steel, material No. 1.4301 to DIN EN 1253-2, for insulation material thicknesses of 50-160 mm, with pre-drilled holes to secure the component in the substructure, stainless steel loose flange, material No. 1.4301, two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes, supply and install to professional standards.

Technical drawing



Bridging of thermal insulation min. (mm)	Bridging of thermal insulation max. (mm)	Article number
50	160	28 25 99

SitaDSS Ravana

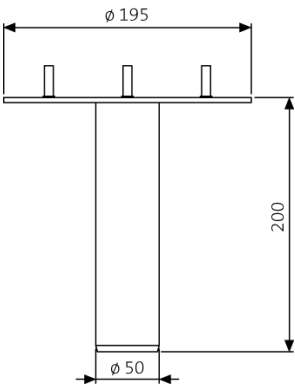
Retaining element



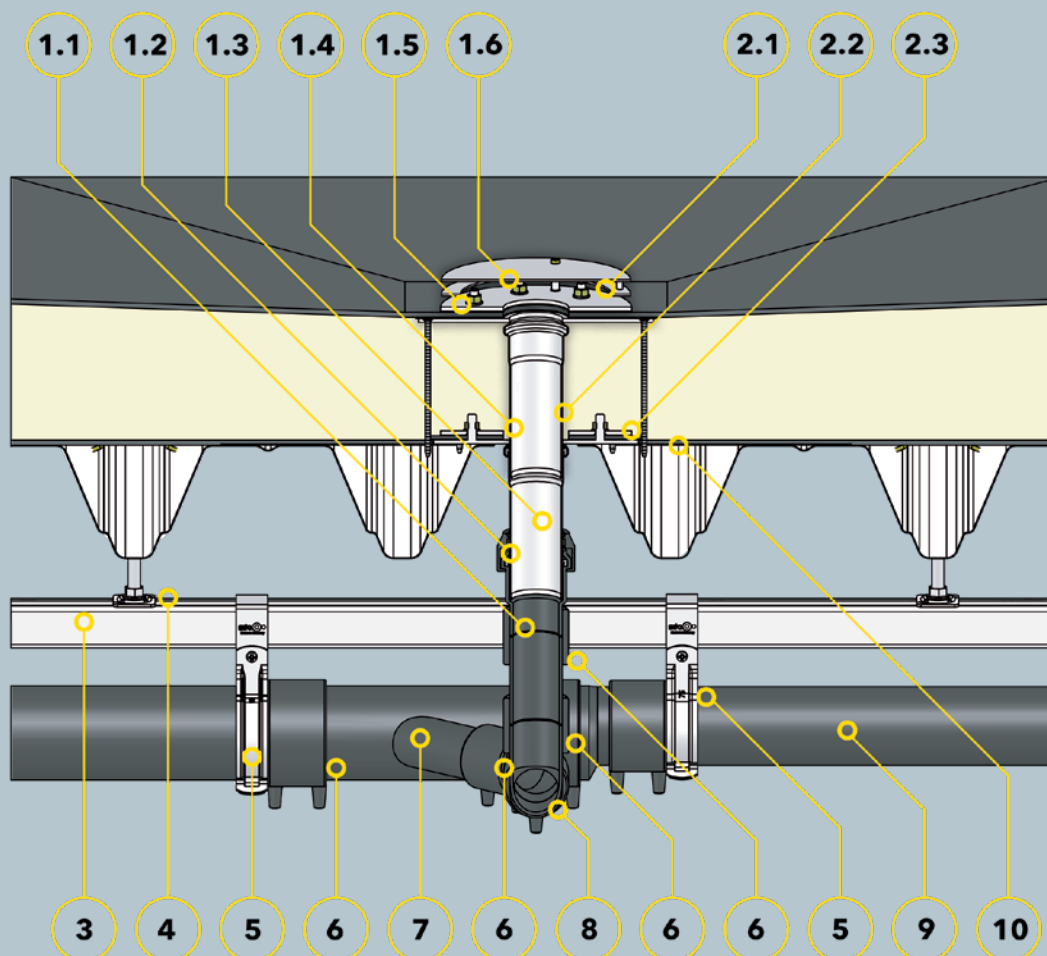
Tender text

SitaDSS Ravana retaining element for emergency drainage for SitaDSS Ravana siphonic drain, made of stainless steel, material no. 1.4301, to DIN EN 1253-2, retaining height from 30 to 150 mm, with a discharge rate of 14.1 l/s full fill at a water column of 43 mm, to prEN 1253-2:2013, supply and install to professional standards.

Technical drawing



Damming height from-to (mm)	Article number
30-150	28 90 01



Components

SitaDSS Ravana consisting of:

- 1.1 PE-HD plug-in coupler
- 1.2 Safety clamp
- 1.3 Base body
- 1.4 Washers, nuts and sealing sleeves
- 1.5 Loose flange
- 1.6 Airstop

SitaDSS Ravana extension unit consisting of:

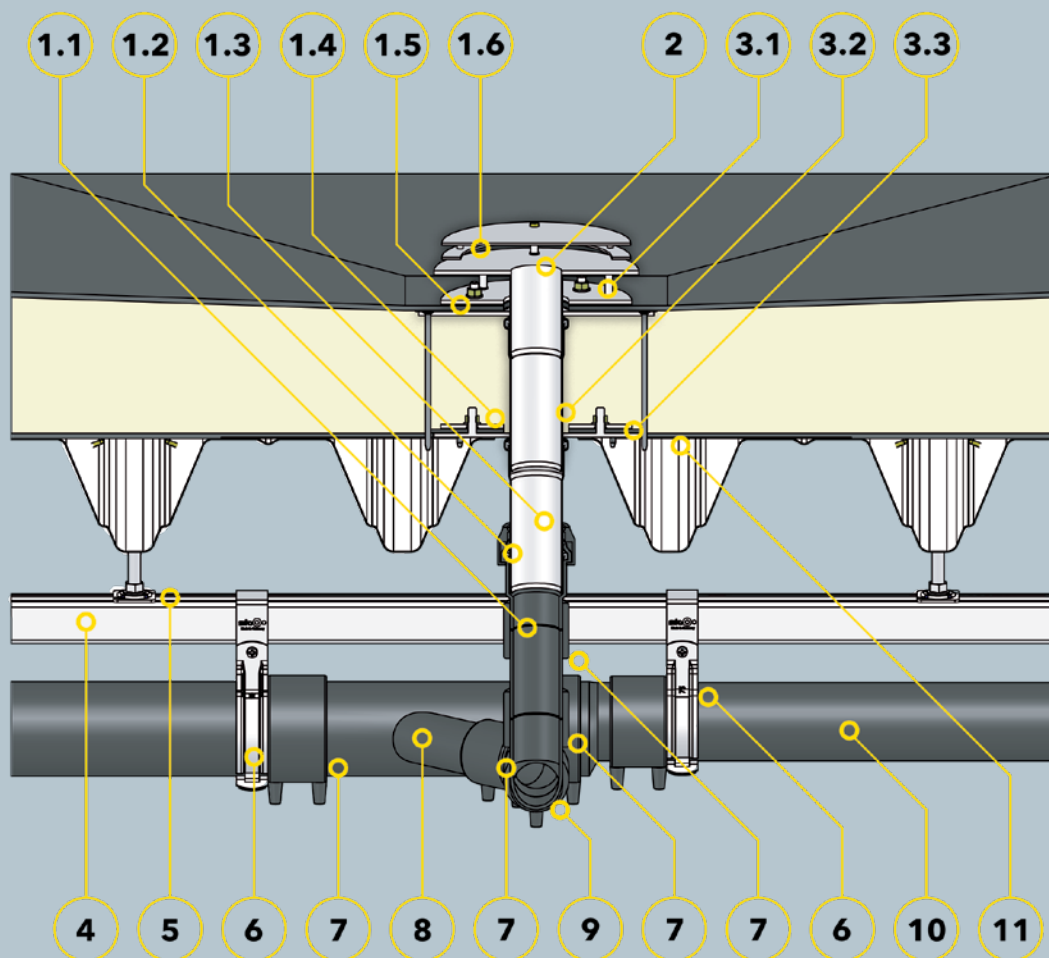
- 2.1 Washers, nuts and sealing sleeves
- 2.2 Base body
- 2.3 Loose flange

- 3 SitaDSS Rail mounting rail
- 4 SitaDSS Rail suspension unit
- 5 SitaDSS Clamp
- 6 SitaDSS PE electrofusion socket
- 7 SitaDSS PE branch
- 8 SitaDSS PE bend
- 9 SitaDSS PE pipe
- 10 SitaMore reinforcement plate

Roof structure

Non-ventilated roof structure to the general rules of engineering with:

- + Waterproof membrane
- + Thermal insulation
- + Vapour barrier
- + Substructure



Components

SitaDSS Ravana consisting of:

- 1.1 PE-HD plug-in coupler
- 1.2 Safety clamp
- 1.3 Base body
- 1.4 Washers, nuts and sealing sleeves
- 1.5 Loose flange
- 1.6 Airstop

- 2 SitaDSS Ravana retaining element

SitaDSS Ravana extension unit consisting of:

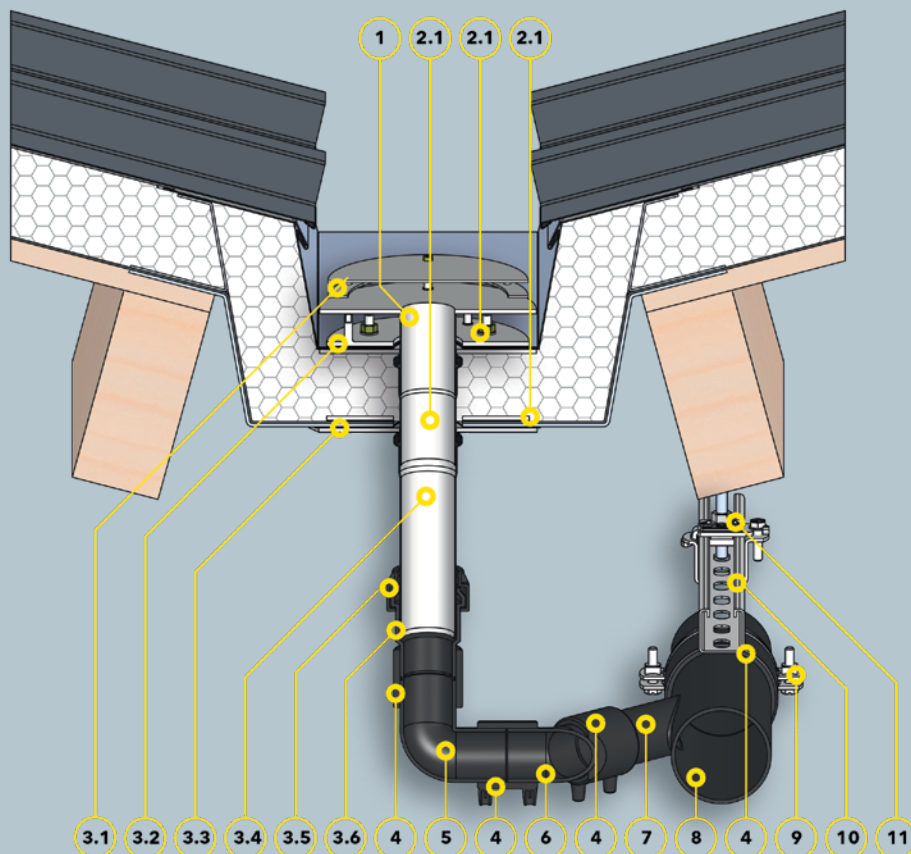
- 3.1 Washers, nuts and sealing sleeves
- 3.2 Base body
- 3.3 Loose flange

- 4 SitaDSS Rail mounting rail
- 5 SitaDSS Rail suspension unit
- 6 SitaDSS Clamp
- 7 SitaDSS PE electrofusion socket
- 8 SitaDSS PE branch
- 9 SitaDSS PE bend
- 10 SitaDSS PE pipe
- 11 SitaMore reinforcement plate

Roof structure

Non-ventilated roof structure to the general rules of engineering with:

- + Waterproof membrane
- + Thermal insulation
- + Vapour barrier
- + Substructure



Components

1 SitaDSS Ravana retaining element

SitaDSS Ravana extension unit consisting of:

- 2.1** Base body
- 2.2** Washer, nuts and sealing sleeves
- 2.3** Loose flange

SitaDSS Ravana consisting of:

- 3.1** Airstop
- 3.2** Loose flange
- 3.3** Washers, nuts and sealing sleeves
- 3.4** Base body
- 3.5** Safety clamp
- 3.6** PE-HD plug-in coupler

4 SitaDSS PE electrofusion socket

5 SitaDSS PE bend 88.5°

6 SitaDSS PE bend 45°

7 SitaDSS PE branch

8 SitaDSS PE pipe system

9 SitaDSS Clamp fixing

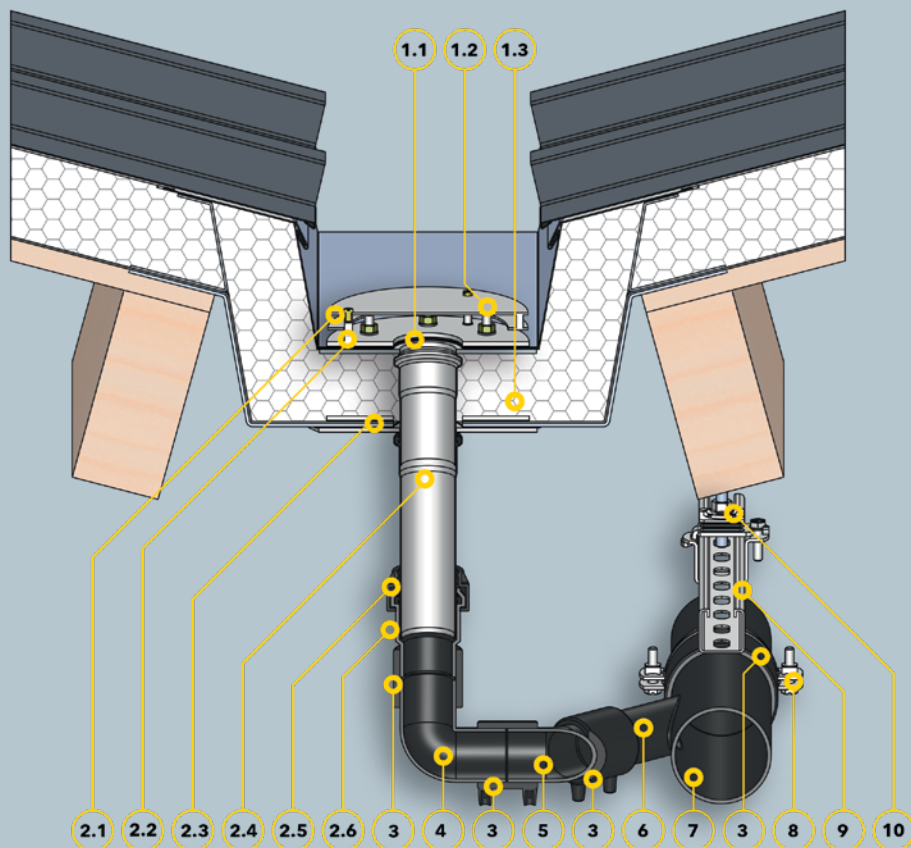
10 SitaDSS Rail mounting rail

11 SitaDSS Rail suspension unit

Roof structure

Non-ventilated roof structure to the general rules of engineering with:

- + Roofing
- + Thermal insulation
- + Vapour barrier
- + Substructure



Components

SitaDSS Ravana extension unit consisting of:

- 1.1** Base body
- 1.2** Washer, nuts and sealing sleeves
- 1.3** Loose flange

SitaDSS Ravana consisting of:

- 2.1** Airstop
- 2.2** Loose flange
- 2.3** Washers, nuts and sealing sleeves
- 2.4** Base body
- 2.5** Safety clamp
- 2.6** PE-HD plug-in coupler

- 3** SitaDSS PE electrofusion socket
- 4** SitaDSS PE bend 88.5°
- 5** SitaDSS PE bend 45°
- 6** SitaDSS PE branch
- 7** SitaDSS PE pipe system
- 8** SitaDSS Clamp fixing
- 9** SitaDSS Rail mounting rail
- 10** SitaDSS Rail suspension unit

Roof structure

Non-ventilated roof structure to the general rules of engineering with:

- + Roofing
- + Thermal insulation
- + Vapour barrier
- + Substructure