

SitaDSS Ravana

Extra small.
Extra flexible.



- + For narrow roof areas or gutters
- + Two-piece setup with the SitaDSS Ravana extension unit
- + For emergency drainage in combination with the SitaDSS Ravana retaining element
- + Width just 195 mm
- + Non-flammable



SitaDSS Ravana
gutter rainwater outlet



SitaDSS Ravana
extension unit



SitaDSS Ravana
retaining element

SitaDSS Ravana

Product features at a glance:

Product features

| | |
|------------------------------------|---|
| Areas of use | For main and emergency drainage (siphonic drainage) to DIN EN 12056-3 and DIN 1986-100 for used and unused flat as well as gently sloped roofs and gutters |
| Material | Stainless steel |
| Material number | 1.4301 |
| Connection type | Loose-fixed flange construction |
| Design | Vertical |
| Colour | Silver |
| Finish | Smooth |
| Temperature resistance min. | -20 °C |
| Building material class | A1 non-flammable |
| General properties | Surface free of sharp edges |
| Properties | <ul style="list-style-type: none">+ Excellent weather resistance (UV/IR radiation)+ Resistant to normal environmental influences+ Impact and shock resistant+ Durable+ Universal for any waterproofing |
| Workmanship | <p>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.</p> |

Quality marks



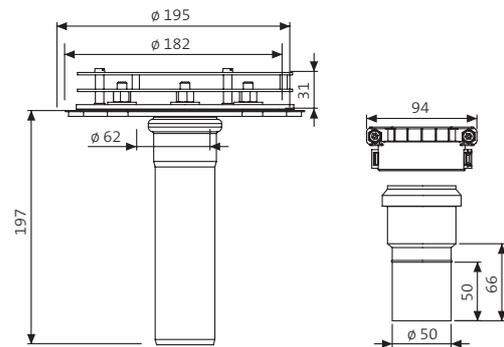
SitaDSS Ravana gutter rainwater outlet



Tender text

SitaDSS Ravana, gutter rainwater outlet for siphonic drainage, made of stainless steel, material No. 1.4301, to DIN EN 1253-2 with increased quality standard to RAL quality mark GZ-694, in size DN 50, with an adapter consisting of a PE-HD socket DN 50 in a length of 115 mm with connector, for direct connection to PE pipes to DIN EN 1519. With a drainage capacity to prEN 1253-2:2013 of 15.7 l/s at a head of water of 46 mm, with prefabricated holes for fastening the component in the substructure, with six grub screws M8, length 25 mm, washers and hexagon nuts, stainless steel loose flange, material No. 1.4301, with welded pins to accommodate the Airstop, two sealing sleeves for clamping bitumen, plastic or EPDM roofing membranes. Supply, including Airstop, and installation to professional standards.

Technical drawing



SitaDSS
Ravana

Nominal diameter, drill holes and article numbers

| Size DN | Opening/Core drill hole (mm) | Article number |
|---------|------------------------------|----------------|
| 50 | ø min. 100 | 28 00 99 |

Drainage capacities in l/s to prEN 1253-2:2013

| Head of water (mm) | | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|------|----|------|------|------|--|
| 21 | 23 | 24 | 26 | 28 | 29 | 31 | 34 | 39 | 41 | 43 | 45 | 46 | |
| 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.6 | 11.8 | 13 | 14.1 | 15.1 | 15.7 | |

On a flat and open space area.

Drainage capacities in l/s to prEN 1253-2:2013

| Head of water (mm) | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|
| 18 | 23 | 28 | 33 | 38 | 43 | 49 | 56 |
| 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.2 | 8.6 |

In a 200 mm wide gutter.

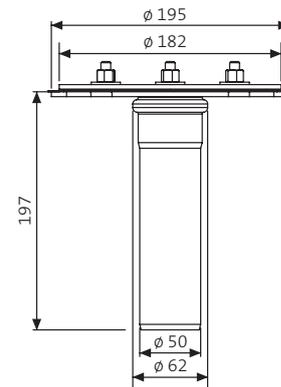
SitaDSS Ravana extension unit



Tender text

SitaDSS Ravana extension unit, made of stainless steel, material No. 1.4301 to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, for insulation thicknesses of 50-160 mm, with prefabricated holes for fastening 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 installation to professional standards.

Technical drawing



Bridging sizes of thermal insulation and article numbers

| Bridging thermal insulation from-to (mm) | Article number |
|--|----------------|
| 50-160 | 28 25 99 |

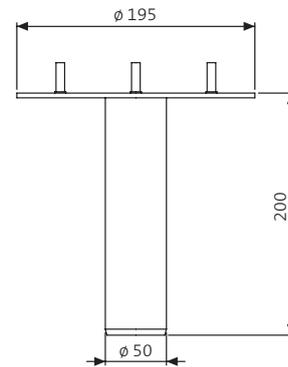
SitaDSS Ravana retaining element



Tender text

SitaDSS Ravana extension unit, for emergency drainage for SitaDSS Ravana, made of stainless steel, material No. 1.4301 to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, head of water from 30 to 150 mm, with a drainage capacity of 14.1 l/s of fully-filled pipes with a head of water of 43 mm, to DIN EN 1253-2:2013, supply and installation to professional standards.

Technical drawing



Heads of water and article numbers

| Head of water from-to (mm) | Article number |
|----------------------------|----------------|
| 30-150 | 28 90 01 |

Drainage capacities in l/s to prEN 1253-2:2013

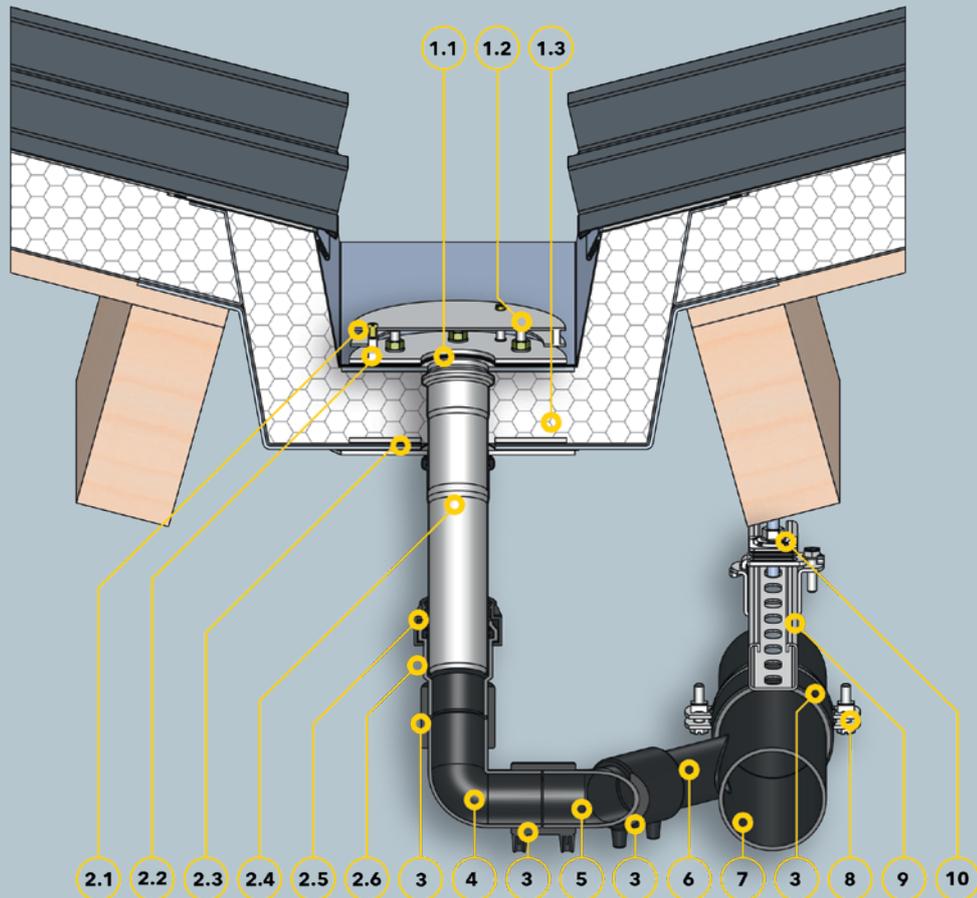
| Head of water (mm) | | | | | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|----|----|------|------|------|
| 22 | 24 | 25 | 27 | 28 | 30 | 32 | 34 | 38 | 39 | 40 | 42 | 43 |
| 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.3 | 8.3 | 11 | 12 | 12.6 | 13.2 | 14.1 |

On a flat and open space area.

Drainage capacities in l/s to prEN 1253-2:2013

| Head of water (mm) | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|------|
| 29 | 30 | 32 | 33 | 35 | 37 | 38 | 41 | 45 |
| 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 6.9 | 8.4 | 11.1 |

In a 200 mm wide gutter.



Components

SitaDSS Ravana extension unit consisting of:

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

SitaDSS Ravana consisting of:

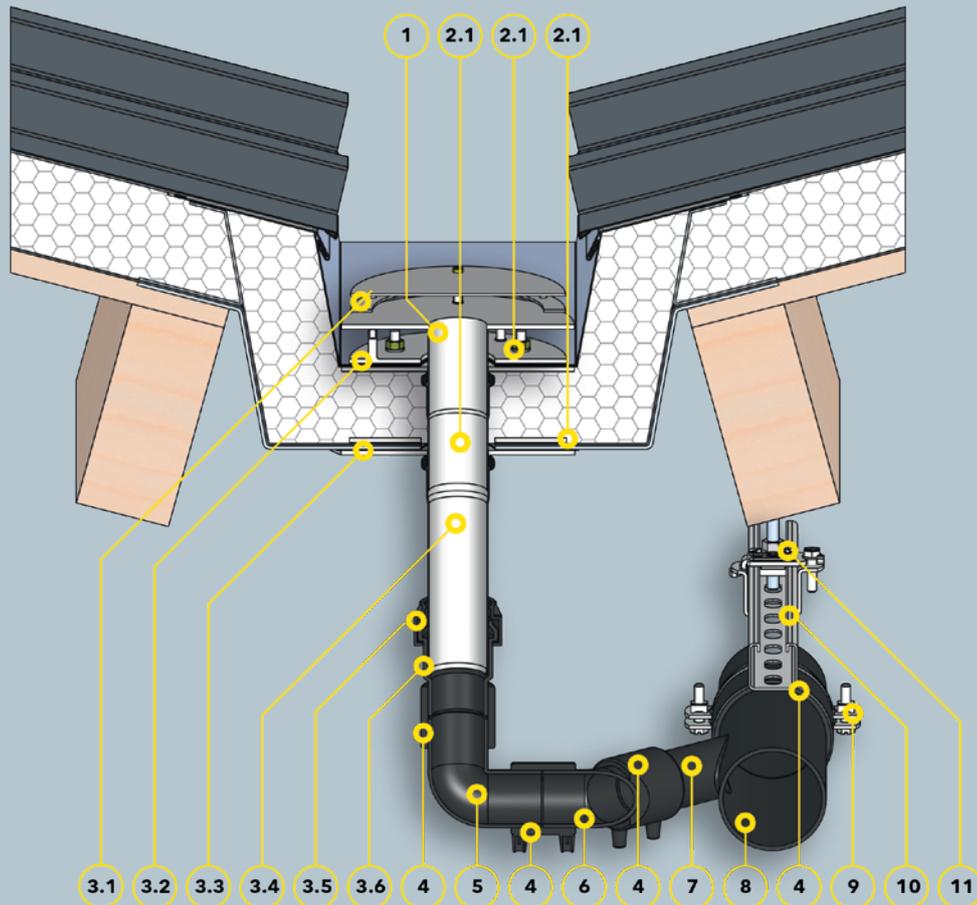
- 2.1 Airstop
- 2.2 Loose flange
- 2.3 Washers, nuts and sealing sleeves
- 2.4 Base body
- 2.5 Safety clamp

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

Roof structure

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

- + Waterproofing
- + Thermal insulation
- + Vapour barrier
- + Substructure



Components

- 1** SitaDSS Ravana retaining element
- SitaDSS Ravana extension unit consisting of:**
- 2.1** Base body
- 2.2** Washers, 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 socket
- 4** SitaDSS PE electrofusion socket
- 5** SitaDSS PE bend 88.5°
- 6** SitaDSS PE bend 45°
- 7** SitaDSS PE branch
- 8** SitaDSS PE pipe
- 9** SitaDSS Clamp
- 10** SitaDSS Rail mounting rail
- 11** SitaDSS Rail suspension unit

Roof structure

- Non-ventilated roof structure to the general rules of engineering with:**
- + Waterproofing
 - + Thermal insulation
 - + Vapour barrier
 - + Substructure