

# SitaDSS Multi

Versatile performance.  
Uniquely resistant.



- + Non-flammable
- + Loose-fixed flange construction
- + Available with insulating bodies
- + One-piece or two-piece installation possible
- + Suitable for roof gutters



**SitaDSS Multi**  
rainwater outlet



**SitaDSS Multi**  
rainwater outlet without  
Airstop



**SitaDSS Multi**  
extension unit



**SitaDSS Multi**  
retaining element



**SitaDSS Multi**  
insulating body for  
rainwater outlet



**SitaDSS Multi**  
compensation ring



**SitaDSS Multi**  
insulating body for  
extension unit



**SitaMore**  
reinforcement plate



**SitaMore**  
safety heating system



**SitaMulti**  
construction period  
protective cover

# SitaDSS Multi

## Product features at a glance:

### Product features

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<b>Areas of use</b>	<b>For main and emergency drainage (siphonic drainage) to DIN EN 12056-3 and DIN 1986-100 for large used and unused flat as well as gently sloped roofs</b>
<b>Material</b>	<b>Cast iron</b>
<b>Material</b>	<b>EN-GJL-200</b>
<b>Connection type</b>	<b>Loose-fixed flange construction</b>
<b>Design</b>	<b>Vertical</b>
<b>Colour</b>	<b>Grey</b>
<b>Finish</b>	<b>Smooth</b>
<b>Temperature resistance min.</b>	<b>-20 °C</b>
<b>Building material class</b>	<b>A1 non-flammable</b>
<b>General properties</b>	<b>Surface free of sharp edges</b>
<b>Properties</b>	<b>+ Resistant to normal environmental influences + Impact and shock resistant + Heat resistant + Durable + Low noise + Universal for any waterproofing</b>
<b>Workmanship</b>	<b>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.</b>

### Quality marks

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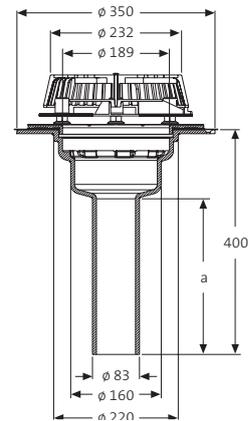
# SitaDSS Multi rainwater outlet



## Tender text

**SitaDSS Multi siphonic drainage rainwater outlet**, made of cast iron, material EN-GJL-200 to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, in size DN 80. For direct connection to SML pipes, for siphonic drainage, with drill holes for fastening the rainwater outlet in the substructure, with loose flange, with weepholes, two sealing sleeves, six inserted stainless steel grub screws M12, washers, brass hexagonal screws and caps for clamping bitumen, plastic or EPDM roofing membranes. Available with or without Airstop, with dome grate, supply and installation to professional standards.

## Technical drawing



## Nominal diameters, pipe length, dimensions and article numbers

Size DN	a (mm)	Opening/Core drill hole (mm)	Article number
80	277	ø 250	42 03 99
80	277	ø 250	42 33 99*

\*Without Airstop, to be used in combination with the SitaDSS Multi retaining element for emergency drainage only.

## Drainage capacities in l/s to DIN EN 1253-2

Size DN	Head of water (mm)										
	5	10	15	20	25	30	35	40	45	50	55
80	0.5	1.6	2.6	3.5	4.4	6.9	9.4	13.6	17.7	21.2	24.7

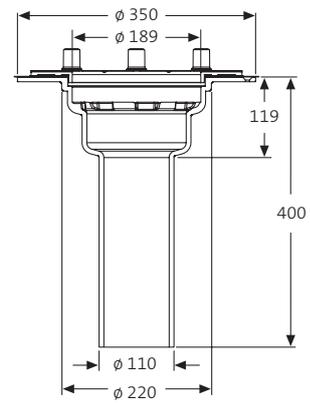
# SitaDSS Multi extension unit



## Tender text

**SitaDSS Multi extension unit**, made of cast iron, material EN-GJL-200, to DIN EN 1253-2 with enhanced quality standard to RAL quality mark GZ-694, for SitaDSS Multi rainwater outlet. With drill holes for fastening the extension unit in the substructure, with loose flange, with weepholes, two sealing sleeves, six inserted stainless steel grub screws M12, washers, brass hexagonal screws and caps, for clamping bitumen, plastic or EPDM roofing membranes. Supply, including multi-lip angled sealing ring for backflow safety and installation to professional standards.

## Technical drawing



## Bridging sizes of thermal insulation and article number

Bridging thermal insulation from-to (mm)	Article number
80-300	42 27 99

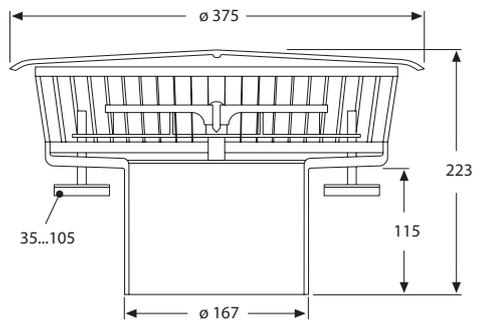
# SitaDSS Multi retaining element



## Tender text

**SitaDSS Multi retaining element**, made of polyamide, to DIN EN 1253-2 with enhanced quality standard to RAL certificate GZ-694 for SitaDSS Multi siphonic drainage rainwater outlets for emergency drainage, with multi-lip angled sealing ring for sealing the retaining element against the roof outlet. With three infinitely height-adjustable rubber/metal buffers, installation area per foot: 19.6 cm<sup>2</sup>, with galvanised threaded rod M 8 mm x 90 mm, with bolted sealed cover which can be removed for inspection, housing with 51 surrounding lugs, in yellow signal colour. With SitaDSS Airstop assembled at the factory, retaining heights infinitely adjustable from 35-105 mm, supply complete and installation to professional standards.

## Technical drawing



## Series, retaining height of water and article number

Retaining element for series	Head of water (mm)	Article number
SitaDSS Multi	*35-105	12 90 01

\*For retaining heights of 35-50 mm the grub screws for the SitaDSS Multi rainwater outlet and extension unit must be shortened.

## Drainage capacities in l/s to DIN EN 1253-2

Size DN	Head of water (mm)										
	5	10	15	20	25	30	35	40	45	50	55
80	0.5	1.6	2.6	3.8	5.0	7.9	10.7	14.2	17.6	20.7	23.8

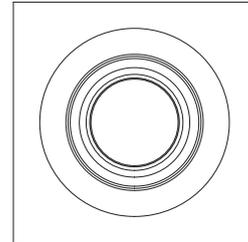
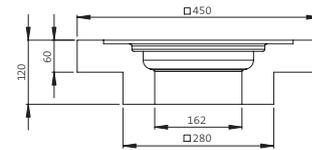
# SitaDSS Multi insulating body for rainwater outlet



## Tender text

**SitaDSS Multi insulating body for rainwater outlet**, made of foam glass, WLS 040. For thermal insulation of the SitaDSS Multi rainwater outlet in the concrete ceiling, 120 mm height, can be used as concealed formwork for concreting, supply and installation to professional standards.

## Technical drawing



## Height and article number

Height (mm)	Article number
120	42 90 03

# SitaDSS Multi compensating ring



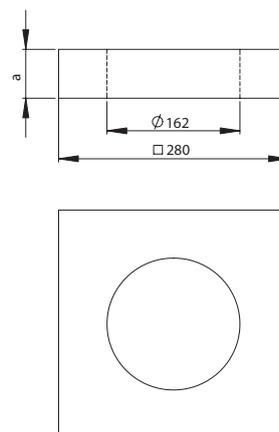
## Tender text

**SitaDSS Multi compensating ring**, made of foam glass, WLG 040, 40 mm or 60 mm in height. For thermal insulation of the SitaDSS Multi rainwater outlet in the concrete ceiling at heights over 120 mm, supply and installation to professional standards.

## Height and article numbers

a (mm)	Article number
40	42 90 04
60	42 90 05

## Technical drawing



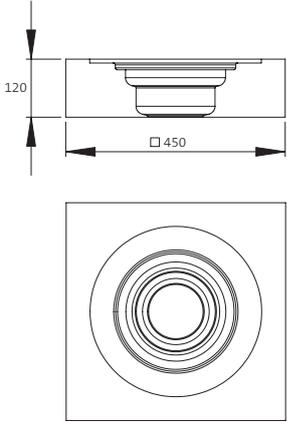
# SitaDSS Multi insulating body for extension unit



### Tender text

**SitaDSS Multi insulating body for extension unit**, made of foam glass, WLS 040. For thermal installation and to support the extension unit, 120 mm in height, supply and installation to professional standards.

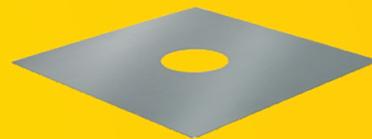
### Technical drawing



### Height and article number

Height (mm)	Article number
120	42 90 06

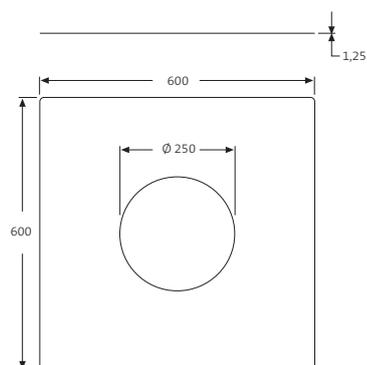
# SitaMore reinforcement plate



## Tender text

**SitaMore reinforcement plate**, made of galvanised sheet steel, to reinforce small penetrations in the trapezoidal steel sheet, for SitaDSS Profi, SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaVent system vent DN 150/160, SitaMulti and SitaDSS, supply and installation to professional standards.

## Technical drawing



## Models and article number

For model	Article number
SitaStandard   SitaTrendy   SitaTrendy screw-on-flange   Sita Multi   SitaDSS Multi   SitaDSS Profi   SitaVent system vent DN 150	10 90 00

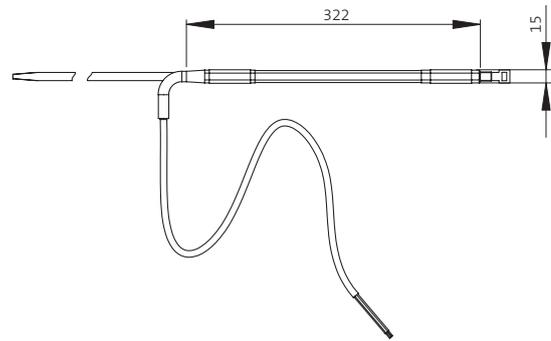
# SitaMore saftey heating system



## Tender text

**SitaMore pipe sleeve heating**, for heating roof outlets and pipes, self-regulating PTC heating element with a heat rating of approx. 10 W at -20 °C and 230 V, with two cable ties for easy securing to pipes or roof outlets. No transformer required. Supply and installation to professional standards.

## Technical drawing



## Power supply and article number

Power supply	Heat rating at -20°C	Article number
230 V	approx. 10 W	10 90 35

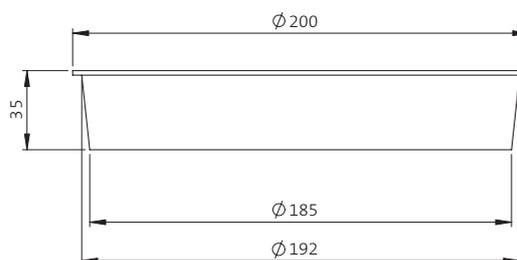
# SitaMulti construction period protective cover



## Tender text

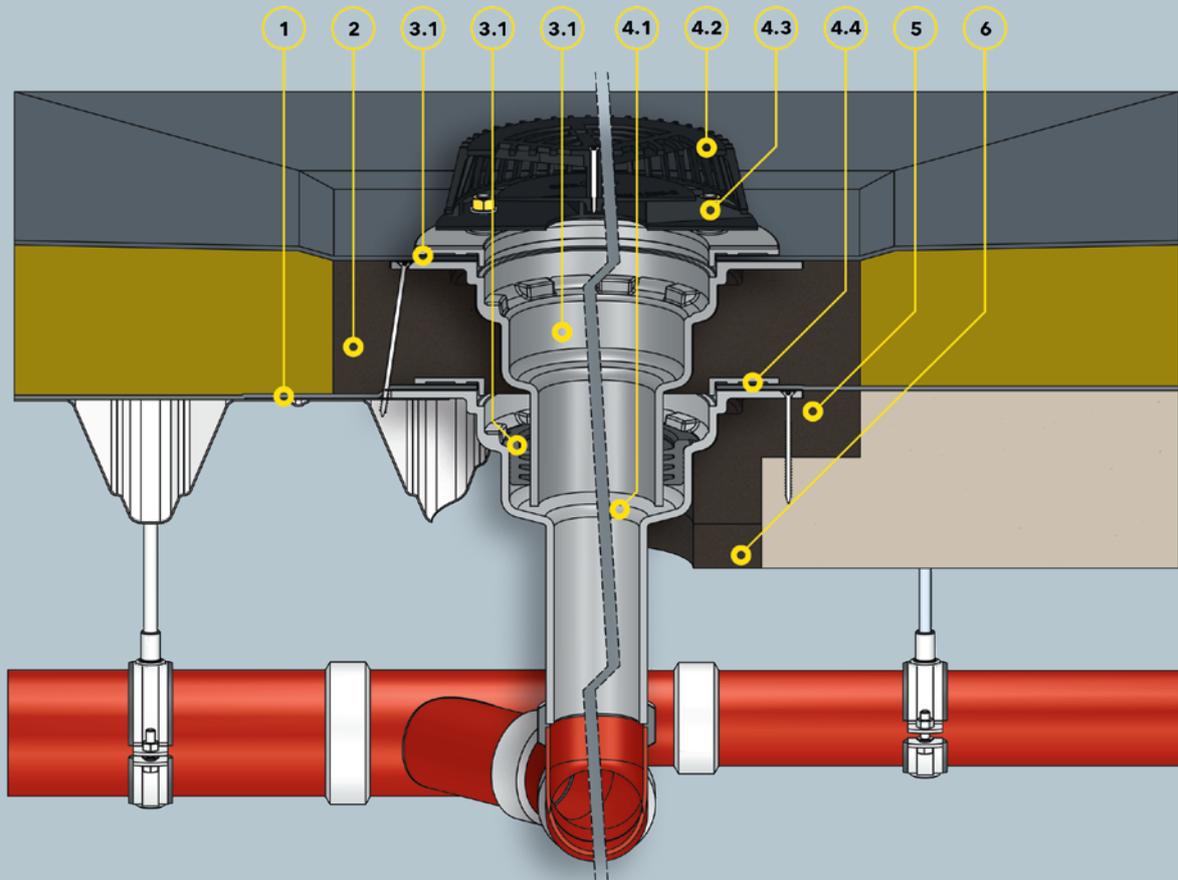
**SitaMulti construction period protective cover**, inserted in drain body, it prevents the ingress of items during the construction period. Supply and installation to professional standards.

## Technical drawing



## Models and article number

For model	Article number
SitaMulti, SitaDSS Multi	E40 90 10



SitaDSS Multi

### Components

- 1 SitaMore reinforcement plate
- 2 SitaDSS Multi insulating body for extension unit
- SitaDSS Multi extension unit consisting of:**
- 3.1 Screw-on flange, nuts and sealing sleeves
- 3.2 Sealing ring
- 3.3 Base body

- SitaDSS Multi consisting of:**
- 4.1 Base body
- 4.2 Dome grate
- 4.3 Airstop
- 4.4 Screw-on flange, nuts and sealing sleeves
- 5 SitaDSS Multi insulating body for rainwater outlet
- 6 SitaDSS Multi compensation ring

### Roof structure

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