

SitaDSS Multi

Versatile performance. Uniquely resistant.



- + Non-combustible
- + Loose/fixed flange construction
- + Matching insulating body made of foam glass available
- + One-piece or two-piece installation possible
- + Suitable for gutters



SitaDSS Multi
with Airstop



SitaDSS Multi
without Airstop



SitaDSS Multi
screw-on flange
extension unit



SitaDSS Multi
retaining element



SitaDSS Multi
insulating body
for rainwater outlet



SitaDSS Multi
insulating body
for compensating ring



SitaDSS Multi
insulating body
for extension element



SitaMulti
construction period
protective cover



SitaMore
transition connector set



SitaDSS Multi
connector set



SitaMore
pipe sleeve heating



SitaMore
reinforcement plate

SitaDSS Multi

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
Material	Cast iron
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 + Low noise + 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



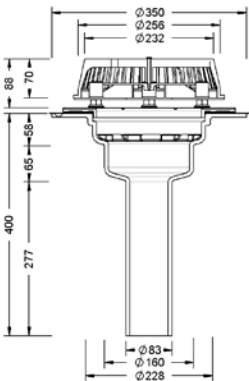
SitaDSS Multi with Airstop



Tender text

SitaDSS Multi siphonic drainage rainwater outlet, made of cast iron, material EN-GJL-200, to DIN EN 1253-2, in size DN 80. For direct connection to SML pipes, for siphonic drainage, with drilled holes to secure the roof outlet in the substructure, with loose flange with weepholes, two sealing sleeves, six inserted stainless steel M12 threaded rods, washers, brass hexagon screws and caps, for clamping bitumen, plastic or EPDM roofing membranes. With Airstop including dome grate, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Article number
80	83	250	42 03 99

* OD = Outer diameter (mm)

Discharge rate according to DIN EN 1253-2

DN	Retaining height in mm																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
80	0.5	1.6	2.6	3.5	4.4	6.9	9.4	13.6	17.7	21.2	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

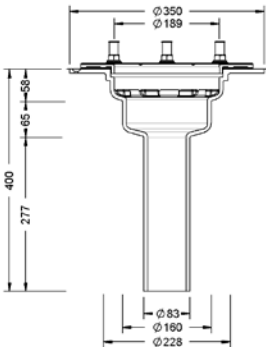
SitaDSS Multi without Airstop



Tender text

SitaDSS Multi siphonic drainage rainwater outlet without Airstop, made of cast iron, material EN-GJL-200 to DIN EN 1253-2, in sizes DN 80. For direct connection to SML pipes, for siphonic drainage, with drilled holes to secure the roof outlet in the substructure, with loose flange with weepholes, two sealing sleeves, six inserted stainless steel M12 threaded rods, washers, brass hexagon screws and caps, for clamping bitumen, plastic or EPDM roofing membranes. Only in combination with the SitaDSS Multi retaining element, supply and install to professional standards.

Technical drawing



DN	OD*	Opening/Core borehole (mm)	Article number**
80	83	250	42 33 99

* OD = Outer diameter (mm)
 ** Without Airstop, to be utilised in combination with the SitaDSS Multi retaining element for emergency drainage only.

Discharge rate according to DIN EN 1253-2

DN	Retaining height in mm																			
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
80	0.5	1.6	2.6	3.5	4.4	6.9	9.4	13.6	17.7	21.2	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7

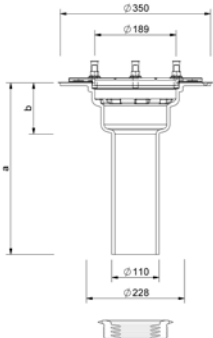
SitaDSS Multi screw-on flange extension unit



Tender text

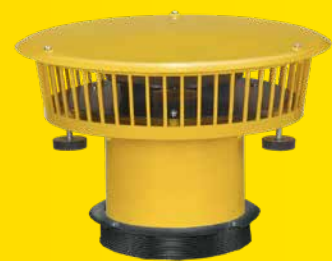
SitaDSS Multi extension unit, made of cast iron, material EN-GJL-200, to DIN EN 1253-2, for SitaDSS Multi roof outlet. With drilled holes to secure the extension unit in the substructure, with loose flange with weepholes, two sealing sleeves, six inserted stainless steel M12 threaded rods, washers, brass hexagon nuts and caps, for clamping bitumen, plastic or EPDM roofing membranes. Complete including multi-lip angled sealing ring for backflow protection, supply and install to professional standards.

Technical drawing



a (mm)	b (mm)	Bridging of thermal insulation min. (mm)	Bridging of thermal insulation max. (mm)	Article number
400	119	80	300	42 27 99

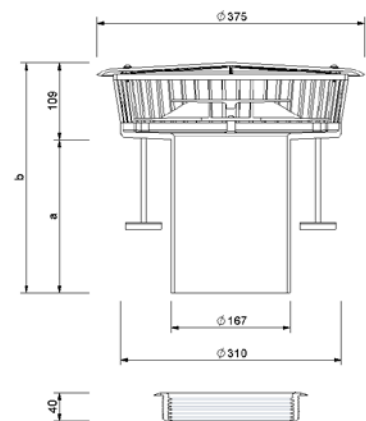
SitaDSS Multi retaining element



Tender text

SitaDSS Multi retaining element, made of polyamide, to DIN EN 1253-2, for SitaDSS Multi siphonic drainage rainwater outlet and extension units, for emergency drainage, for retaining heights of 35 mm - 105 mm, 85 mm - 150 mm or 135 mm - 200 mm, with multi-lip angled sealing ring to seal the retaining element against the roof outlet or extension unit. With three infinitely height-adjustable rubber-metal buffers, installation area per foot: 19.6 cm², with galvanised threaded rod M8 x 90 mm, M8 x 140 mm, M8 x 190 mm with bolted sealed cover which can be removed for inspection, housing with 51 surrounding ribs, in yellow signal colour. Retaining heights are infinitely adjustable, with large inlet pot to increase discharge capacity, supply and install to professional standards.

Technical drawing



Compatibility	Damming height from – to (mm)	a (mm)	b (mm)	Article number
SitaDSS Multi	35 - 105	114	223	12 90 01
	85 - 150	214	323	12 90 11
	135 - 200			12 90 12

SitaDSS Multi

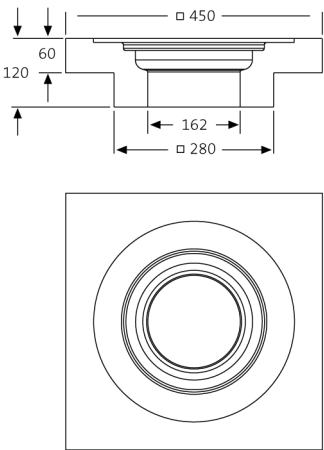
SitaDSS Multi insulating body for rainwater outlet



Tender text

SitaDSS Multi insulating body for outlet, made of foam glass, WLG 050, height 120 mm. For thermal insulation of the SitaDSS Multi roof outlet in the concrete ceiling. Can be used as concealed formwork for concreting, supply and installation to professional standards.

Technical drawing



Article number
42 90 03

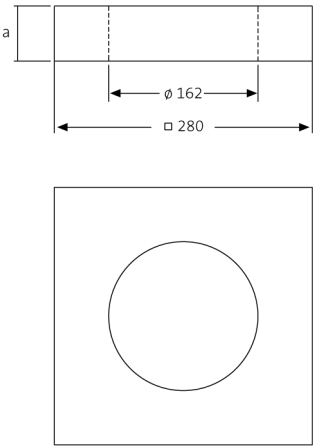
SitaDSS Multi insulating body for compensating ring



Tender text

SitaDSS Multi compensating ring for insulating body for outlet, made of foam glass, WLG 050, 40 mm or 60 mm in height. To compensate concrete ceilings higher than 120 mm, supply and installation to professional standards.

Technical drawing



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

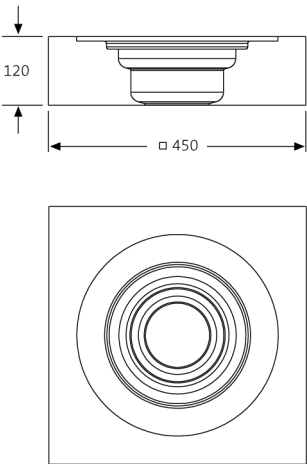
SitaDSS Multi insulating body for extension element



Tender text

SitaDSS Multi insulating body for extension unit, made of foam glass, WLG 050, height 120 mm. For thermal insulation and to hold the extension unit, supply and installation to professional standards.

Technical drawing



Article number
42 90 06

SitaMulti

construction period

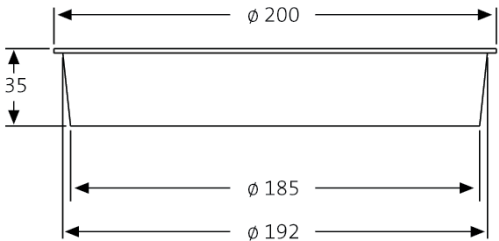
protective cover



Tender text

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

Technical drawing



Compatibility	Article number
SitaMulti, SitaDSS Multi	E 40 90 10

SitaMore

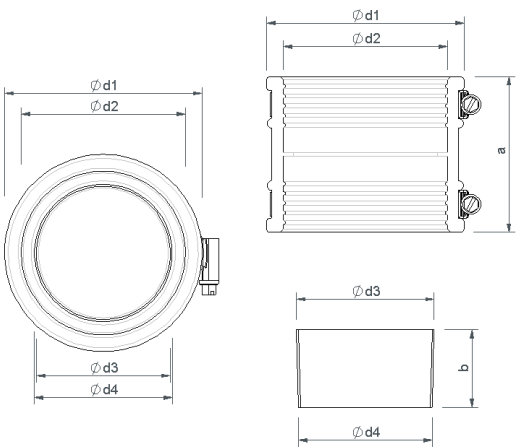
transition connector set



Tender text

SitaMore transition connector set in size DN 75 made of TPE/V2A, in size DN 56 made of EPDM/V2A, including support ring made of rust-proof stainless steel, for the stable connection of PE and SML pipe and formed parts, supply and install to professional standards.

Technical drawing



DN	a (mm)	b (mm)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	Article number
56	90	40	89	66	51	49	80 20 56 58
70	80		101	84	71	69	80 20 75 83

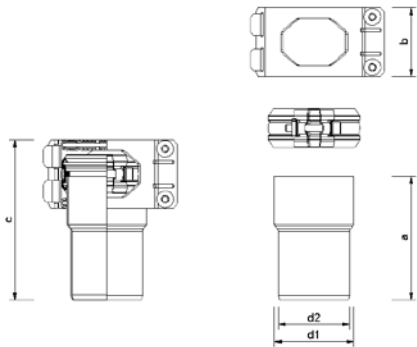
SitaDSS Multi connector set



Tender text

SitaDSS Multi connector set DN 80, for the transition from SitaDSS Multi DN 80 to SitaPipe stainless steel pipe DN 70, consisting of an adapter made of rust-proof stainless steel, material number 1.4301, a Rapid connector and a retaining claw, supply and install to professional standards.

Technical drawing



DN	a (mm)	b (mm)	c (mm)	d1 (mm)	d2 (mm)	Article number
80	130	72	169	83	75	42 70 83

SitaMore

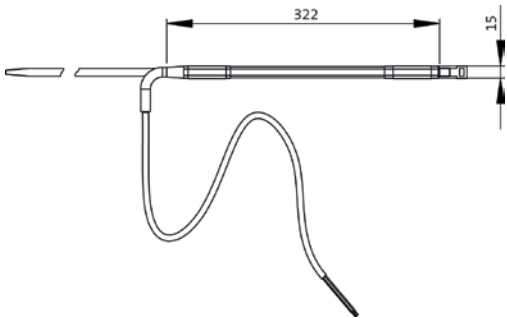
pipe sleeve heating



Tender text

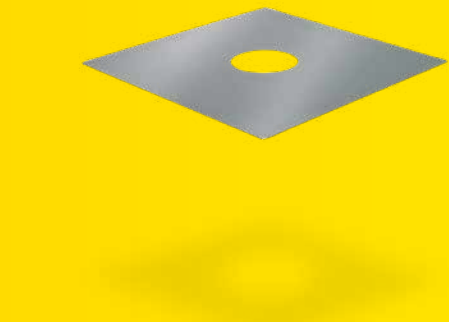
SitaMore pipe sleeve heating, for heating roof outlets and pipes, self-regulating PTC heating element with a heat rating of approx. 10 W at -20 °C and 230 V, with two cable ties for easy securing to pipes or roof outlets. No transformer required, supply and install to professional standards.

Technical drawing



Article number
10 90 35

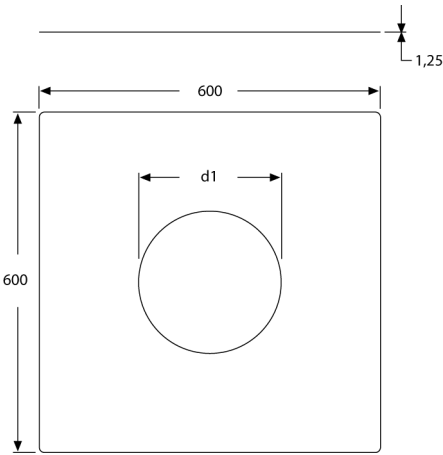
SitaMore reinforcement plate



Tender text

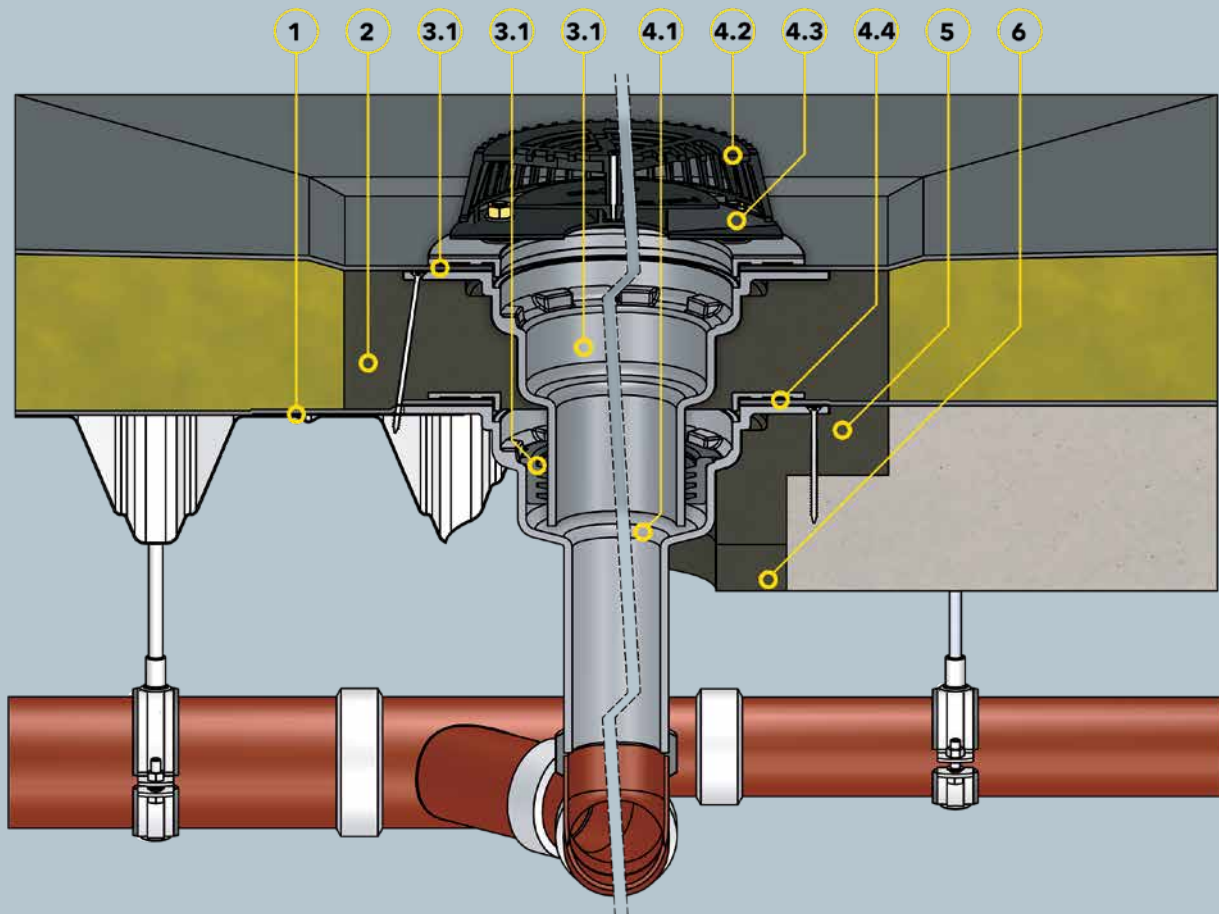
SitaMore reinforcement plate, made of galvanised sheet steel, to reinforce small penetrations in the trapezoidal steel sheet, for SitaDSS Profi, SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaVent system vent, SitaCompact, SitaMulti and SitaDSS, supply and install to professional standards.

Technical drawing



Compatibility	d1 (mm)	Article number
SitaStandard, SitaTrendy, SitaTrendy screw-on flange, SitaMulti, SitaDSS Profi, SitaDSS Multi and SitaVent system vent DN 150	250	10 90 00

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 outlet
- 6 SitaDSS Multi compensating ring

Roof structure

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

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