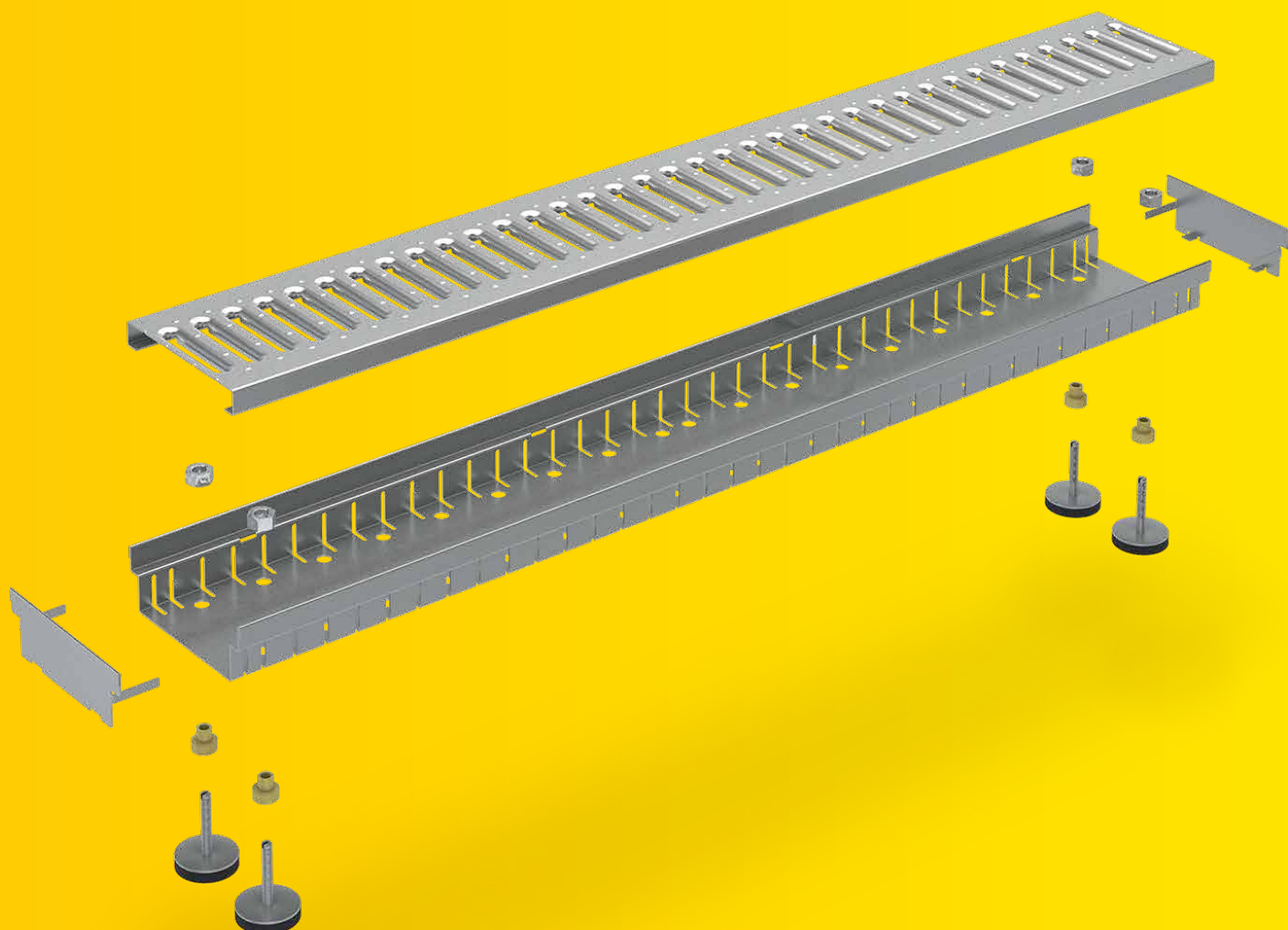


## SitaDrain® box drain

Visually attractive. Easy to lay.



SitaDrain®  
box drain

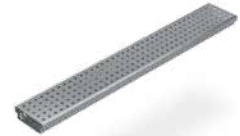
- + For laying on a gravel bed
- + Load class K3
- + With footbridge or mesh cover
- + Heights: 30 mm, 40 mm and 50 mm



**SitaDrain® box drain**  
galvanised steel



**SitaDrain® box drain**  
stainless steel



**SitaDrain® box drain**  
with designer grate,  
stainless steel



**SitaDrain® box drain**  
height adjustment set



**SitaDrain®**  
hinged feet



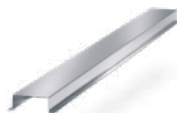
**SitaDrain® box drain**  
fastening



**SitaDrain® box drain**  
head piece



**SitaDrain®**  
gravel strip



**SitaDrain®**  
junction channel

# SitaDrain® box drain

## Product features at a glance:

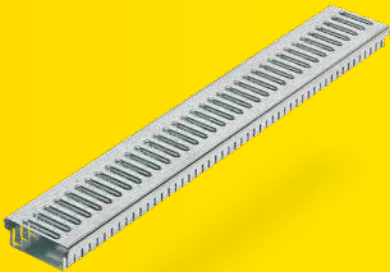
### Product features

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|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications   | For draining rainwater and supplementing the drainage systems on balconies and patios                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Material       | Galvanised steel   stainless steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Design         | Footbridge   Grating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Material class | Euroclass A1 /A1 non-flammable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Properties     | <ul style="list-style-type: none"><li>+ Not sensitive to the weather (UV/IR radiation, rain/snow, temperature, ozone, etc.)</li><li>+ Impact and shock resistant</li><li>+ Durable</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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> |

# SitaDrain® box drain

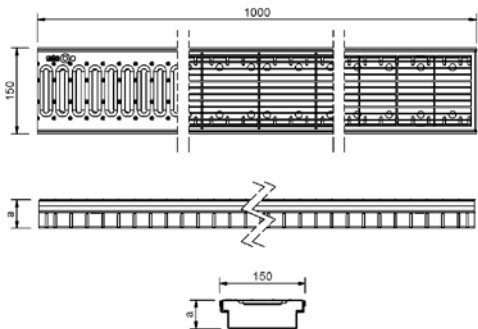
## galvanised steel



### Tender text

SitaDrain® box drain with footbridge, gutter and footbridge made of continuously galvanised steel with a material thickness of 1.5 mm. Dimension 150 mm x 1000 mm, footbridge with small elevations for slip resistance, free cross-section of the footbridge ( $A = \text{approx. } 220 \text{ cm}^2$ ), gutter with 4 mm-wide slots for drainage of rainwater from the top layer to the waterproofing layer, load class K3. In heights 30 mm, 40 mm or 50 mm, including connection claws, supply and install to professional standards.

### Technical drawing

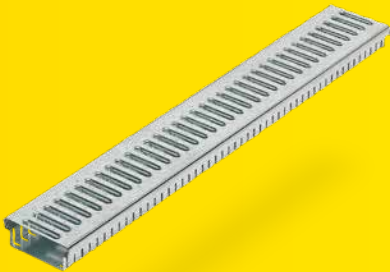


| Execution                | a<br>(mm) | Article number |
|--------------------------|-----------|----------------|
| With footbridge          | 30        | 24 15 30       |
| With mesh cover          |           | 24 15 35       |
| longitudinal bar grating |           | 24 30 15       |
| With footbridge          | 40        | 24 15 40       |
| With mesh cover          |           | 24 15 45       |
| longitudinal bar grating |           | 24 40 15       |
| With footbridge          | 50        | 24 15 50       |
| With mesh cover          |           | 24 15 55       |
| longitudinal bar grating |           | 24 50 15       |

| Grate designs |  |         |  |                          |  |
|---------------|--|---------|--|--------------------------|--|
| footbridge    |  | grating |  | longitudinal bar grating |  |

# SitaDrain® box drain

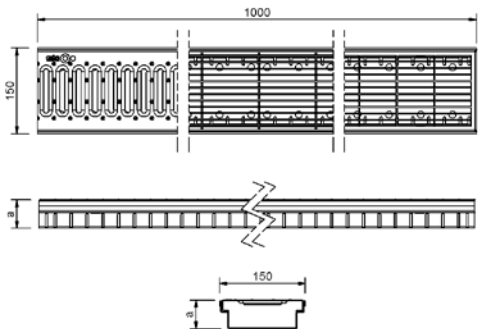
## stainless steel



### Tender text

SitaDrain® box drain with footbridge, gutter and footbridge made of stainless steel, material number 1.4301, with a material thickness of 1.5 mm. Dimension 150 mm x 1000 mm, footbridge with small elevations for slip resistance, free cross-section of the footbridge (A = approx. 220 cm<sup>2</sup>), gutter with 4 mm-wide slots for drainage of rainwater from the top layer to the waterproofing layer, load class K3. In heights 30 mm, 40 mm or 50 mm, including connection claws, supply and install to professional standards.

### Technical drawing



| Execution                | a<br>(mm) | Article number |
|--------------------------|-----------|----------------|
| footbridge               | 30        | 22 15 30       |
| grating                  |           | 22 15 35       |
| longitudinal bar grating |           | 22 30 15       |
| footbridge               | 40        | 22 15 40       |
| grating                  |           | 22 15 45       |
| longitudinal bar grating |           | 22 40 15       |
| footbridge               | 50        | 22 15 50       |
| grating                  |           | 22 15 55       |
| longitudinal bar grating |           | 22 50 15       |

| Grate designs |  |         |  |                          |  |
|---------------|--|---------|--|--------------------------|--|
| footbridge    |  | grating |  | longitudinal bar grating |  |

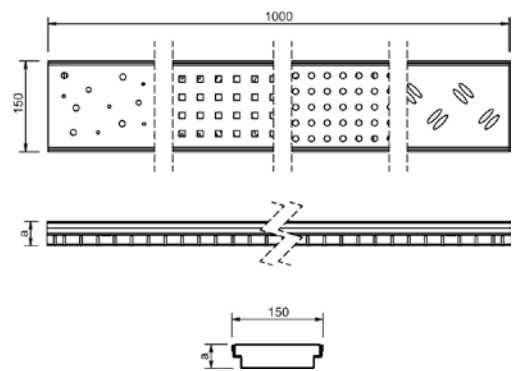
SitaDrain® box drain  
with designer grate,  
stainless steel



Tender text

SitaDrain® box drain with footbridge, gutter and footbridge made of stainless steel, material number 1.4301, with a material thickness of 1.5 mm. Dimension 150 mm x 1000 mm, footbridge with small elevations for slip resistance, free cross-section of the footbridge (A = approx. 220 cm<sup>2</sup>), gutter with 4 mm-wide slots for drainage of rainwater from the top layer to the waterproofing layer, load class K3. In heights 30 mm, 40 mm or 50 mm, including connection claws, supply and install to professional standards.

Technical drawing



| Execution                 | a<br>(mm) | Article number |
|---------------------------|-----------|----------------|
| circular design grating   | 30        | 22 30 11       |
| square design grating     |           | 22 30 12       |
| elliptical design grating |           | 22 30 13       |
| bubble design grating     |           | 22 30 14       |
| circular design grating   | 40        | 22 40 11       |
| square design grating     |           | 22 40 12       |
| elliptical design grating |           | 22 40 13       |
| bubble design grating     |           | 22 40 14       |
| circular design grating   | 50        | 22 50 11       |
| square design grating     |           | 22 50 12       |
| elliptical design grating |           | 22 50 13       |
| bubble design grating     |           | 22 50 14       |

| Grate designs |                                                                                     |        |                                                                                     |            |                                                                                     |        |                                                                                       |
|---------------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|
| circular      |  | square |  | elliptical |  | bubble |  |

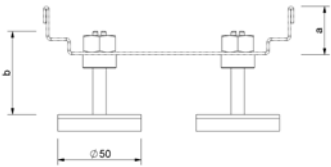
# SitaDrain® box drain height adjustment set



## Tender text

SitaDrain® height adjustment set, consisting of rubber feet with stainless steel threaded rods M8, hexagonal nuts M12 and brass sleeves, for infinite height adjustment of the SitaDrain® box drain made of rust-proof stainless steel (6 rubber feet) or galvanised steel (4 rubber feet) from 50 mm - 150 mm, for longitudinal bar and grating from 60 mm - 150 mm, supply and install to professional standards.

## Technical drawing



| Height adjustment set no. | b (mm) | Gutter height a = 30mm | Gutter height a = 40mm | Gutter height a = 50mm | Material of SitaDrain® box drain | Article number |
|---------------------------|--------|------------------------|------------------------|------------------------|----------------------------------|----------------|
| Set 1                     | 30     | 50* - 70 mm            | 60 - 80 mm             | 70 - 90 mm             | stainless steel                  | 22 91 30       |
|                           |        |                        |                        |                        | galvanised steel                 | 24 91 30       |
| Set 2                     | 50     | 70* - 90 mm            | 70* - 100 mm           | 70* - 110 mm           | stainless steel                  | 22 91 50       |
|                           |        |                        |                        |                        | galvanised steel                 | 24 91 50       |
| Set 3                     | 90     | 110* - 130 mm          | 110* - 140 mm          | 110* - 150 mm          | stainless steel                  | 22 91 90       |
|                           |        |                        |                        |                        | galvanised steel                 | 24 91 90       |

\* minimum height setting for grid and longitudinal bar grates +10 mm

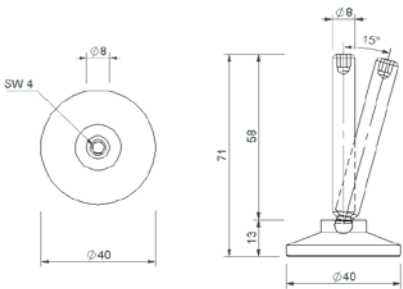
# SitaDrain® hinged feet



## Tender text

SitaDrain® hinged feet, height adjustment set with hinged feet, for infinite height adjustment of the SitaDrain® box drain made of rust-proof stainless steel (6 hinged feet) or galvanised steel (4 hinged feet) from 80 mm - 120 mm, consisting of lock nuts M12, brass sleeves and hinged feet M8, supply and install to professional standards.

## Technical drawing



| Gutter height<br>a = 30 mm | Gutter height<br>a = 40 mm | Gutter height<br>a = 50 mm | Material<br>of SitaDrain®<br>box drain | Article number |
|----------------------------|----------------------------|----------------------------|----------------------------------------|----------------|
| 80* - 100 mm               | 80* - 110 mm               | 80* - 120 mm               | stainless steel                        | 22 80 20       |
|                            |                            |                            | galvanised steel                       | 24 80 20       |

\* minimum height setting for grid and longitudinal bar grates +10 mm

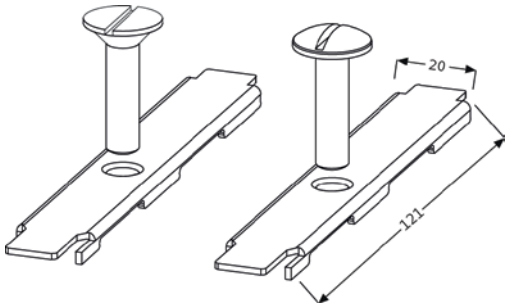
# SitaDrain® box drain fastening



## Tender text

SitaDrain® box drain fastening for footbridge and mesh cover, made of rust-proof stainless steel, material number 1.4301. Consisting of two fastenings measuring 121 mm x 20 mm and 2 countersunk slot screws/ panhead slot screws to secure the grate in the box drain, supply and install to professional standards.

## Technical drawing



| Execution                                                      | Article number |
|----------------------------------------------------------------|----------------|
| for footbridge rust-proof stainless steel and galvanised steel | 22 15 10       |
| for mesh cover rust-proof stainless steel                      | 22 15 15       |
| for mesh cover galvanised steel                                | 22 15 20       |

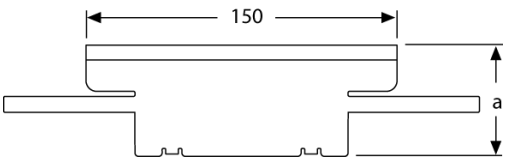
# SitaDrain® box drain head piece



## Tender text

SitaDrain® box drain head piece, made of rust-proof stainless steel, material number 1.4301, or continuously galvanised steel for the SitaDrain® box drain with a height of 30 mm, 40 mm or 50 mm, supply and install to professional standards.

## Technical drawing



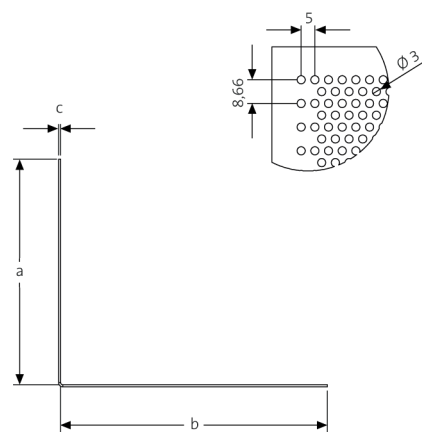
| a<br>(mm) | Article number<br>stainless steel | Article number<br>galvanised steel |
|-----------|-----------------------------------|------------------------------------|
| 30        | E22 15 31                         | E24 15 31                          |
| 40        | E22 15 41                         | E24 15 41                          |
| 50        | E22 15 51                         | E24 15 51                          |



Tender text

SitaDrain® gravel strip, made of perforated aluminium sheet, with one bend, wraparound unperforated edge, in sizes 70 mm x 90 mm, 110 mm x 130 mm and 145 mm x 165 mm. 1000 mm long, resting against the frame of the SitaDrain®, supply and install to professional standards.

Technical drawing



| a<br>(mm) | b<br>(mm) | c<br>(mm) | Article number |
|-----------|-----------|-----------|----------------|
| 70        | 90        | 1         | E 21 10 02     |
| 110       | 130       |           | 21 10 98       |
| 145       | 165       |           | 21 10 99       |

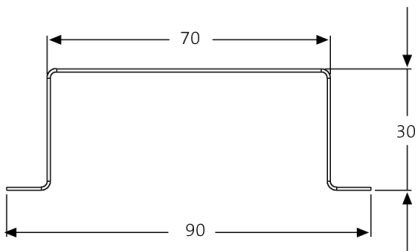
# SitaDrain® junction channel



### Tender text

SitaDrain® junction channel, made of continuously galvanised steel plate, 30 mm x 70 mm x 1000 mm, with folded coating, for transferring the rainwater from the drainage grate to the outlet, e.g. in a gravel bed, supply and install to professional standards.

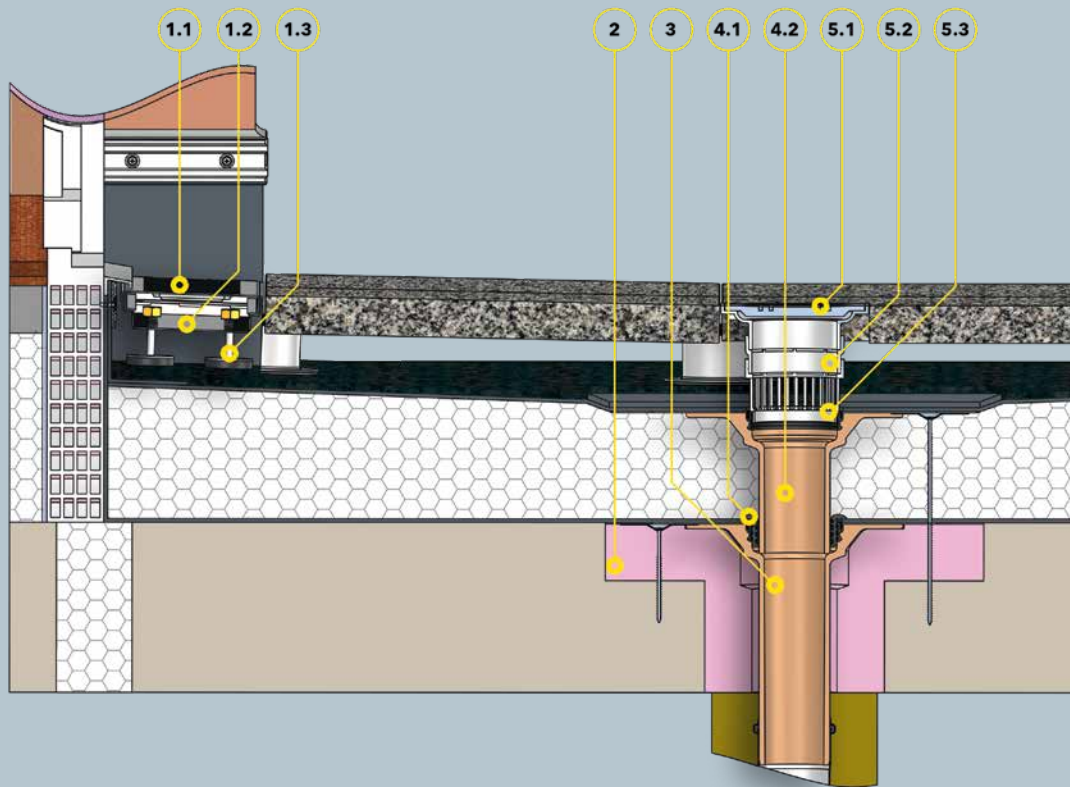
### Technical drawing



| Article number |
|----------------|
| E 20 90 00     |

# SitaDrain® box drain

SitaDrain® box drain and SitaCompact in a non-ventilated roof structure with slab paving on support pads



SitaDrain®  
box drain

## Components

**SitaDrain® box drain consisting of:**

- 1.1** Mesh cover
- 1.2** Base body
- 1.3** Height adjustment set

- 2** SitaCompact insulating body
- 3** SitaCompact vertical

**SitaCompact extension unit consisting of:**

- 4.1** Sealing ring
- 4.2** Base body

**SitaCompact balcony outlet grating consisting of:**

- 5.1** End grate
- 5.2** Height compensation piece
- 5.3** Inlet filter grille

## Roof structure

**Non-ventilated roof structure with slab paving on support pads to the general rules of engineering with:**

- + Slab paving on support pad
- + Protective mat
- + Sealing
- + Thermal insulation
- + Vapour barrier
- + Substructure