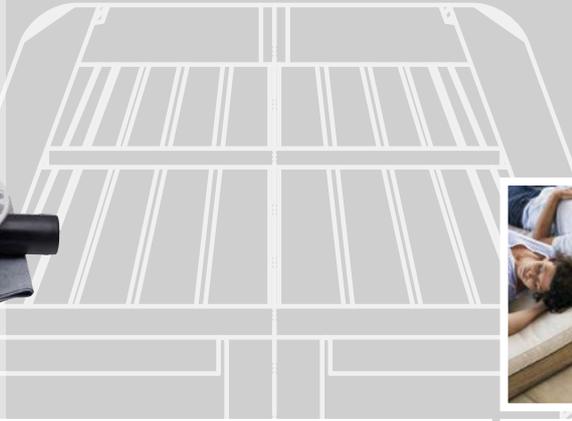




SIPHONS ABLÄUFE

Ø 354



101



HL Drains

13. Floor

13



# HL Floor drains

## Basic information about design and installation

Floor drains serve as central drainage of floor surfaces. To reach a satisfying result, aesthetic and functional, the plumber has to care for some important topics. The coordination of the different craftsmen (designer, construction company, plumber, tiler..) is the biggest challenge for the plumber. Therefore please notice allready during planning and design, some topics:

▲ **Function:**

The question, how the drain is finally used, decides allready during design of the drainage system the choise of the gully. Generally one differs between permanent use (places, where splashing water occures, e.g. shower) and irregular use (e.g. as savety drain in laundry rooms).

▲ **Stench trap:**

Especially at rarely used drain spots one has to avoid, that stench rises from the sewage system. A classic solution is to use a drain with additional side inlet (HL300, HL304). A regularly used drain spot (e.g. washing basin) makes sure, that the trap cannot become dry. In this case the drain should be constructed backwater save, so that the wastewater from the basin cannot overflow on the floor. Also the inlet should be siphoned in the drain itself. Another solution for this problem is the wellknown drain-series „Primus“ of HL. These drains have a normal water siphon and a mechanical trap. A floating body is part of a normal water trap. When the water evaporates in the trap (or is sucked out by vacuum in the sewage system), the floating body sinks on the mouth of the drain and closes it.

▲ **Primusblue system**

The Primusblue is a combined odor trap with sealing water and mechanical odor barrier, which provides absolute odor-tightness and even more protection against unpleasant odors from the sewer. With a tightness at positive pressure up to +800 pascal and negative pressure up to 400 Pascal Primusblue offers greater safety compared to conventional water odor seals with 50 mm barrier water. Another benefit is the function of backflow tightness up to a pressure of 0.5 mWs. The backflow of wastewater in the case of unfavorably laid pipes (e.g. from the bathtub or during backwashing in the swimming pool) is effectively prevented. (ÖNORM B2501)

▲ **Capacity:**

The test procedure for evaluating the drain capacity for floor drains is made according EN 1253-1: 2015 with 20 mm impounded water above the grate. If floor drains are used for barriere-free showers, the plumber should take care, that the flow rate is higher than the water inlet from the shower, to avoid water running into the dry area of the bathroom.

▲ **Waterproofing:**

To avoid leakage water to get into the floor construction, the floor drain has to be connected to the on-site waterproofing. **Attention: Gaps between tiles are not waterproof!** In most cases the waterproofing (mostly liquid compounds) is located directly under the tiles. HL floor drains are equiped with flanges, on which the plumber may install the right sealing kit. The installer, together with the tiler, should decide, which. To apply the waterproofing material directly on the flange, is not waterproof.

▲ **Sound protection:**

Please see chapter „accessories“ on page 266

▲ **Installation:**

When the floor drain is mounted, the level of the flange should be below the level of the screed, so that a sufficient incline to the drain is possible. Attention: The height of the drain body is not the minimum height of the screed.

▲ **Design:**

Depending on taste and function, you may chose different types of grates and extensions. The plumber should first talk to the enduser, which one he prefers, as a subsequent change is not allways possible.

Relevant standards/directives

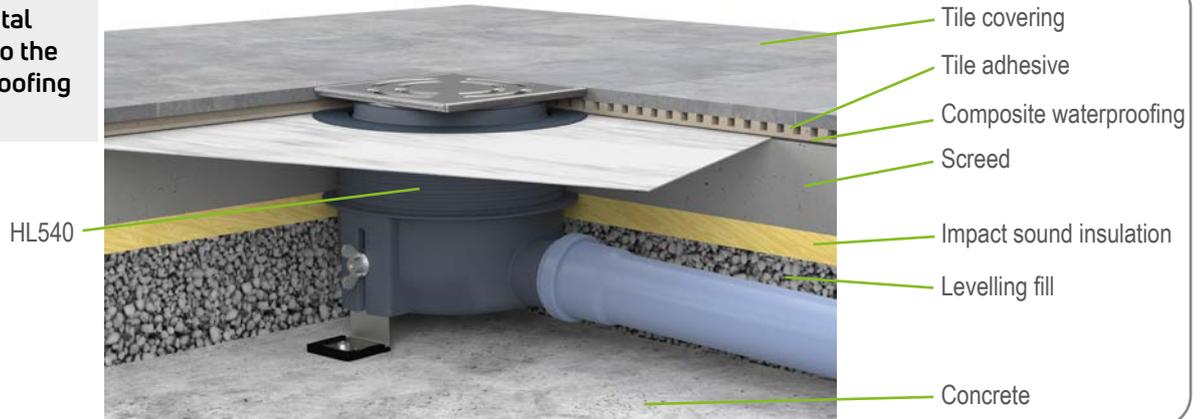
ÖNORM B2501 .....	Drainage of buildings
DIN 1986-100 .....	Drainage systems for buildings and estates
EN 12056.....	Gravity drainage systems inside of buildings
ÖNORM B2207 .....	Tiling works
EN1253.....	Drains for buildings

## Selection of the convenient drain

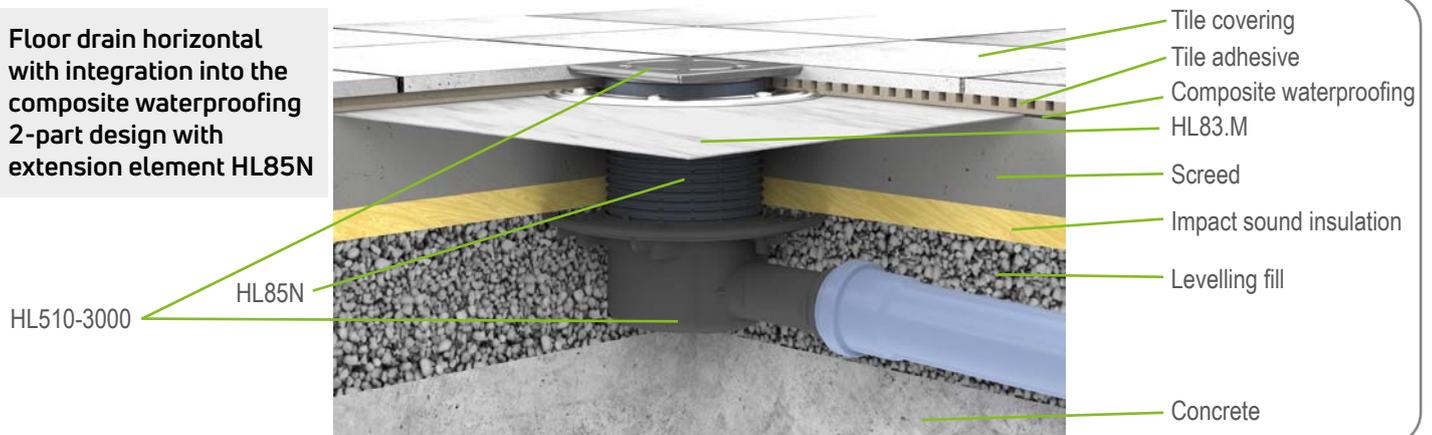
Selective criteria	Requirements	Product	
		horizontal outlet	vertical outlet
<b>Capacity</b>	To find the right choice, one has to know, which maximum wastewater quantity should be drained off.	up to 0,4 l/s → HL90PrblueD up to 0,45 l/s → HL90Prblue (-3000) up to 0,55 l/s → Series HL510, Series HL80.1, <b>HL541(I)</b> Series HL300, HL304 up to 0,8 l/s → HL540(I), HL5100Pr up to 1 l/s → HL5100 up to 1,12 l/s → Series HL70 up to 1,5 l/s → HL72.1(N)	up to 0,5 l/s → Series HL80, Series HL310Prblue up to 0,67 l/s → Series HL310 up to 0,8 l/s → HL3100Pr from 1,25 l/s up to 1,4 l/s → HL3100 up to 1,8 l/s → Series HL317
<b>Existing floor height</b>	<p>At drains with horizontal outlet the floor height is an important criteria.</p> <p>Floor construction concrete floor - top edge of the screed</p> <p> <math>\geq 70 \text{ mm} \leq 90 \text{ mm}</math>  <math>\geq 90 \text{ mm} \leq 110 \text{ mm}</math>  <math>\geq 90 \text{ mm} \leq 250 \text{ mm}</math>  <math>\geq 110 \text{ mm} \leq 160 \text{ mm}</math>  <math>\geq 160 \text{ mm} \leq 180 \text{ mm}</math>  <math>\geq 180 \text{ mm}</math> </p> <p>At drains with vertical outlet the drain body lies on the concrete floor and therefore mostly needs an extension element with flange, to reach the top edge of the screed.</p>	<p>Height of the drain body:</p> <p>Series HL90, <b>HL541(i)</b> = 62 mm            Series HL510 = 79 mm,            Series HL540 = 80 mm            Series HL5100 = 97 mm            Series HL72.1 = 150 mm            Series HL70 = 173 mm</p>	<p>Series HL80, HL310 → HL85N            Series HL3100 → HL8500 Series            HL317 → HL350.1</p>
<b>Waterproofing</b>	<p>The use of a sealing kit, which fits to the on-site waterproofing, is absolutely necessary for a watertight connection.</p> <p>Kind and material of the waterproofing:</p> <p>For under-tile waterproofings, e.g. 2-component-epoxy resins</p> <p>For EPDM-sheetings, based on bitumen, for bitumen coatings and for welding of bitumen sheetings</p> <p>Welding of bitumen sheetings</p>	<p>Series HL70, HL80, HL90, HL300, HL310, HL510 → HL83.M            Series HL72.1 and HL317 → HL84.M            HL540 and <b>HL541</b> series → Waterproofing included!            Series HL3100 and HL5100 → HL8300.M</p> <p>Series HL70, HL80, HL90, HL300, HL310, HL510 → HL83            Series HL72.1 and HL317 → HL84            Series HL3100 and HL5100 → HL8300</p> <p>HL83H, HL8300.H            Series HL70.....→ HL83H            Instead of series HL72.1 or HL317 → HL72.1H and HL317H            Series HL3100 and HL5100 → HL8300H</p>	

## HL Floor drains – Sectional drawings

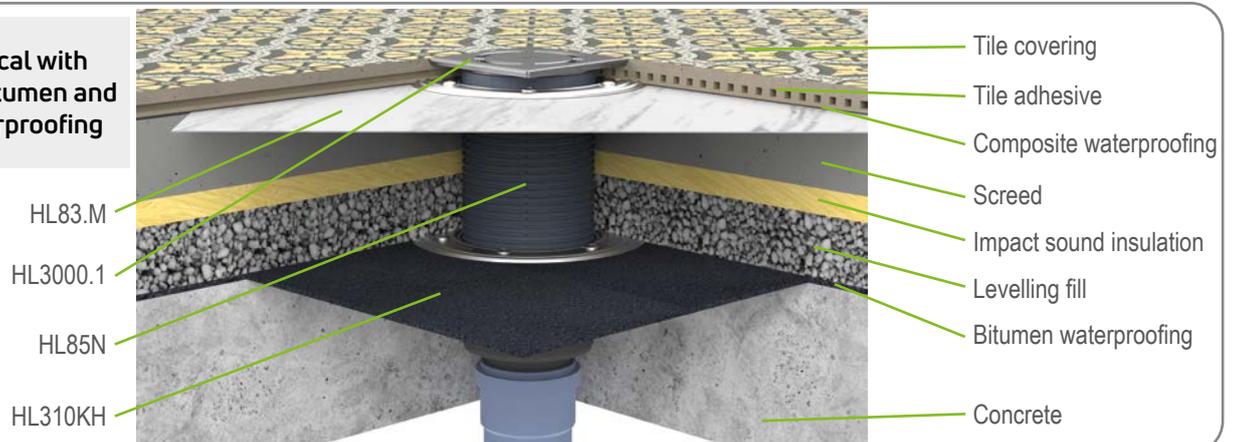
**Floor drain horizontal with integration into the composite waterproofing e.g. tiled shower**



**Floor drain horizontal with integration into the composite waterproofing 2-part design with extension element HL85N**



**Floor drain vertical with integration in bitumen and composite waterproofing**



## HL Floor drains – Installation



1. Fill in concrete and level to the height of the lid cover



2. Wait, until the concrete is set



3. Remove lid cover, clean flange and insert the gasket



4. Apply the waterproofing membrane



5. Fix the stainless steel ring by screwing



6. The sealing kit is below the concrete level



7. Apply the liquid waterproofing



8. Smooth the membrane



9. Apply the liquid waterproofing on the whole wet area.



10. The sealing kit is completely below the concrete level



11. Cut the extension



12. Insert the extension without O-ring. Lay the tiles.

## HL Floor drains – Products – Overview

### Drains



Product	HL90Prblue	HL90PrblueD	HL510(N)(Prblue)	HL80.1	HL80.1C	HL90Prblue-3020	HL300
<b>Description</b>	Drain horizontal DN40/50	Drain horizontal DN40, with fleece flange	Drain horizontal DN40/50	Drain 50/75 with convertible ball-joint outlet	Drain 50/75 with polymere concrete collar and convertible outlet	Drain horizontal DN40/50	Drain horizontal DN50 with side inlet
<b>Function</b>	Extremely flat, for flat floor constructions with Primus <b>blue</b> trap	Especially for under-tile waterproofings, with Primus <b>blue</b> trap	Standard drain, flat, also available with Primus <b>blue</b> trap	For horizontal and vertical connection	Especially for epoxy resin floor surfaces	Extreme flat with tilable grate and Primus <b>blue</b> trap	With side inlet, which cares for a full water trap. The integrated backwater protector prevents foam to leak through the grate.

### Extensions

Product data see chapter sealing kits / extensions



Product	HL340N	HL3400	HL350	HL85N	HL8500
<b>Description</b>	Extension	Extension	Extension	Extension with flange	Extension with flange
<b>Function</b>	For elongating the extension, fits to drains of series HL90, HL510, HL80, HL300, HL70, HL310, HL304	For elongating the extension, fits to drains of series HL3100 and HL5100	For elongating the extension, fits to drains of series HL72.1 and HL317	For the adjustment of the drain to the waterproofing level, fits to drains of series HL90, HL510, HL80, HL300, HL70, HL310, HL304	For the adjustment of the drain to the waterproofing level, fits to drains of series HL3100 and HL5100

## HL Floor drains – Products – Overview



HL510(N)(Prblue)-3020	HL5100(Pr)	HL310(N)(Prblue)-3020	HL72.1N	HL310(N)(Prblue)	HL3100(Pr)	HL317
Drain horizontal DN40/50	Floor drain horizontal DN50/75, high capacity	Drain vertikal DN50/75/110	Floor drain horizontal DN75/110, high capacity	Floor drain vertical DN50/75/110	Ablauf senkrecht DN50/75/110	Floor drain vertical DN50/75/110
Standard drain with tilable extension and optional Primus <b>blue</b> trap	For high capacity reasons, also available with Primus trap	With tilable grate and optional Primus <b>blue</b> trap	For high capacity reasons	For outlet pipes below the concrete floor, also available with Primus <b>blue</b> trap	For outlet pipes below the concrete floor, with high capacity, also available with Primus <b>blue</b> trap	For outlet pipes below the concrete floor, with high capacity.



HL350.1(0)	HL350.1H	HL85NC	HL3200
Extension with Sealing flange	Extension with bitumen flange	Extension with polymere concrete collar	Extension with stainless steel frame and grate
To adjust the drain to the waterproofing level, fitting to floor drain series HL72.1 and HL317	To adjust the drain to the level of under-tile waterproofings, fitting to floor drain series HL72.1 and HL317	For height adjustment of the drain to liquid waterproofings, fits to drain series HL90, HL510, HL80, HL300, HL70, HL310 and HL304	To change from standard extension to extension with stainless steel frame, e.g. when you use „design“-grates. Fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304

## HL Floor drains – Products – Overview

### Accessories



Product	HL3020	HL37N	HL3000	HL37NP	HL38N	HL39G	HL3910	HL3911
<b>Description</b>	Tilable extension	Standard extension	Extension „Klick-Klack“	Extension with PVC-collar	Round extension	Cast iron extension	Extension „Klick-Klack“	Extension „Klick-Klack“ with screwable grate
<b>Function</b>	Extension fits to drain bodies HL70K-3020, HL80K-3020, HL90K-3020, HL300K-3020, HL304K-3020, HL310K-3020 and HL510K-3020	Standard extension, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304	Standard extension with stainless steel frame, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304	To connect PVC floor coverings, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304	Extension with round cover plate, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304	Usage with high load or to connect hot bitumen floor coverings, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304	Standard extension, fitting to floor drain series HL3100 and HL5100	Standard extension, fitting to floor drain series HL3100 and HL5100

### Sealing kits



Product data see chapter sealing kits / extensions



Product	HL83.0	HL83	HL83.M	HL83.H	HL8300.0
<b>Description</b>	Sealing kit without sheeting	Sealing kit with EPDM sheeting	Sealing kit with textile coated membrane	Sealing kit with bitumen collar	Sealing kit without sheeting
<b>Function</b>	For clamping of on-site sheetings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310, HL510	For bitumen coatings and EPDM sheetings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310, HL510	For under-tile waterproofings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310, HL510	For bitumen based water-proofings or coatings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310, HL510	For clamping of on-site sheetings, fitting to floor drain series HL3100 and HL5100

# HL Floor drains – Products – Overview



## HL66(Q)

Extension

Stainless steel grate with high request on design and stability, fitting to floor drain series HL72.1 and HL317

## HL3928

Extension with design-grate „Hamam“

Extension for floor drain with golden frame and grate, design „Hamam“. Fits to floor drain series HL5100 and HL3100.

## HL3120

Design-grate „Quadra“

Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304

## HL3121

Design-grate „Seine“

Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304

## HL3123

Design-grate „Orinoco“

Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304

## HL3124

Design-grate „Nil“

Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304

## HL3125

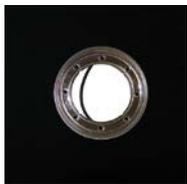
Design-grate „Yukon“

Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304

## HL3127

Design-grate „Primus Design“

Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510, HL80, HL300, HL70, HL310, HL304



## HL8300

Sealing kit with EPDM sheeting

For bitumen coatings and EPDM sheetings, fitting to floor drain series HL3100 and HL5100

## HL8300.M

Sealing kit with textile coated membrane

For under-tile waterproofings, fitting to floor drain series HL3100 and HL5100

## HL8300.H

Sealing kit with bitumen collar

For bitumen based waterproofings or coatings, fitting to floor drain series HL3100 and HL5100

## HL84.0

Sealing kit without sheeting

For clamping of on-site sheetings, fitting to floor drain series HL317 and HL72.1

## HL84

Sealing kit with EPDM sheeting

For bitumen coatings and EPDM sheetings, fitting to floor drain series HL317 and HL72.1

## HL84.M

Sealing kit with textile coated membrane

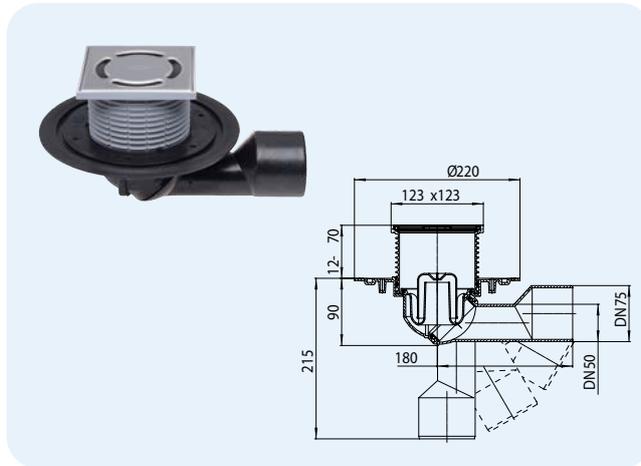
For under-tile waterproofings, fitting to floor drain series HL317 and HL72.1

# HL Floor drains – Products – Data

## HL80.1 Floor drain with convertible outlet

### Data

Capacity	0,5 l/s
Material	PP,PE, stainless steel V2A
Outlet	DN50/75 cuttable, stepless convertible from horizontal to vertical, outlet pluggable and weldable
Extension	123 x 123 mm, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of water trap 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Floor drainage inside the building
Additional information	temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

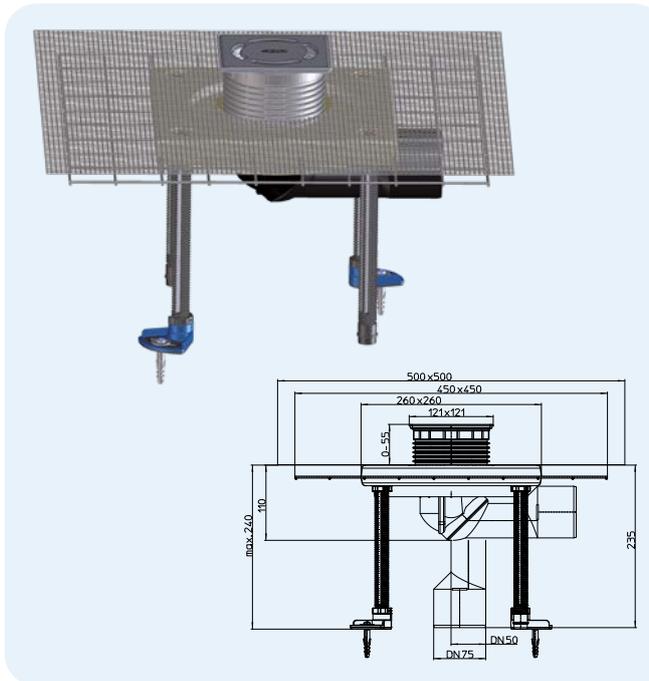


HL-No. 80.1	Dimension DN50/75	Weight 625 g	EAN +700813	Piece/package 1
----------------	----------------------	-----------------	----------------	--------------------

## HL80.1C Floor drain with polymere concrete collar

### Data

Capacity	0,5 l/s
Material	PP,PE, polymere concrete collar, stainless steel V2A
Outlet	DN50/75 adjustable in length, convertible from horizontal to vertical, connector pluggable and weldable
Extension	123 x 123 mm, adjustable in length
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Under-tile waterproofings and epoxy resin coatings
Additional information	temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

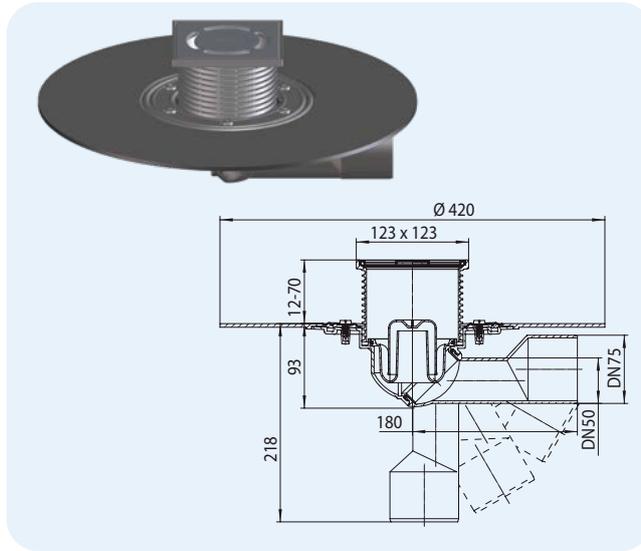


HL-No. 80.1C	Dimension DN50/75	Weight 6100 g	EAN +050802	Piece/package 1
-----------------	----------------------	------------------	----------------	--------------------

### HL80.1H Floor drain with bitumen collar

#### Data

Capacity	0,5 l/s
Material	PP,PE, premounted bitumene membrane, stainless steel V2A
Outlet	DN50/75 adjustable in length, convertible from horizontal to vertical, connector pluggable and weldable
Extension	123 x 123 mm, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Bitumen waterproofings
Additional information	temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

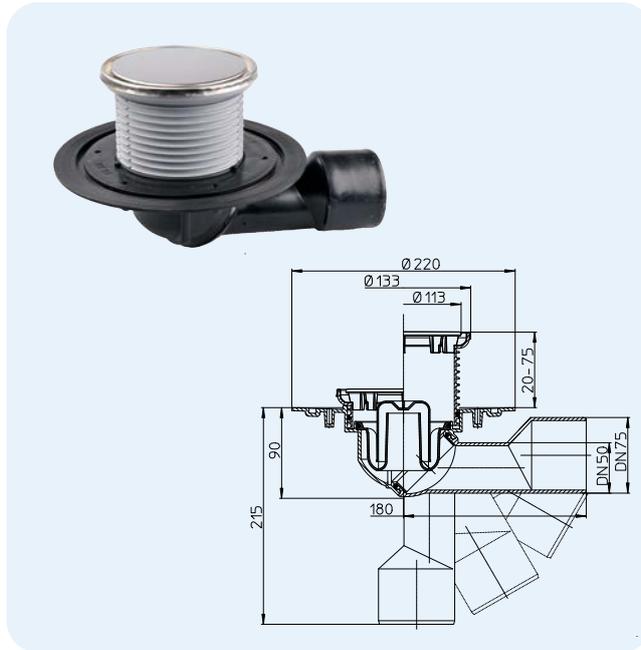


HL-No. 80.1H	Dimension DN50/75	Weight 1195 g	EAN +701810	Piece/package 1
-----------------	----------------------	------------------	----------------	--------------------

### HL80.1R Floor drain with round cover plate

#### Data

Capacity	0,5 l/s
Material	PP,PE, stainless steel V2A
Outlet	DN50/75 adjustable in length, convertible from horizontal to vertical, connector pluggable and weldable
Extension	Stainless steel frame Ø 133 mm, cuttable in height
Grate	Stainless steel cover plate Ø 112 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Barrier-free showers with round cover plate
Additional information	temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

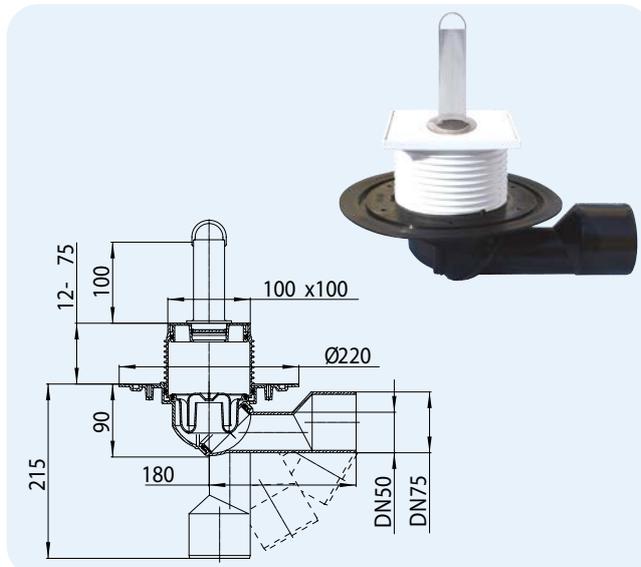


HL-No. 80.1R	Dimension DN50/75	Weight 650 g	EAN +004591	Piece/package 1
-----------------	----------------------	-----------------	----------------	--------------------

## HL80.2 Floor drain with standpipe

### Data

Capacity	0,5 l/s
Material	PP, PE
Outlet	DN50/75 adjustable in length, convertible from horizontal to vertical, connector pluggable and weldable
Extension	100 x 100 mm, cuttable in height
Grate	94 x 94 mm cover
Stench trap	Height of seal water 30 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Brick-built bathtubs, longer standpipe on request!
Additional information	temperature-resistant up to 85 °C
Including	Lot cover, standpipe HL515 with 10 cm

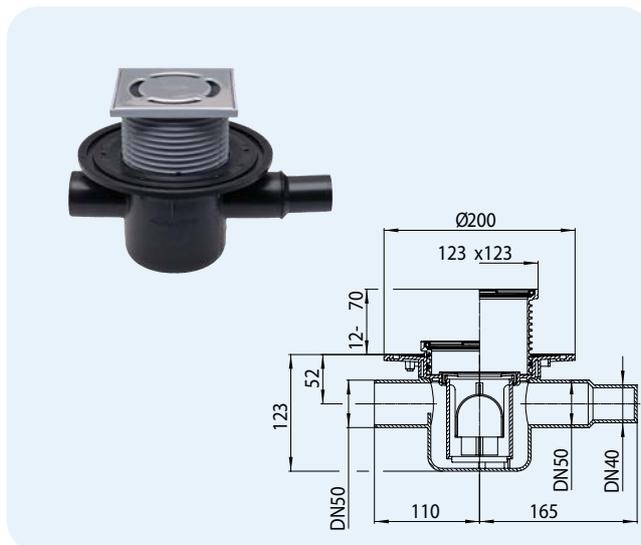


HL-No.	Dimension	Weight	EAN	Piece/package
80.2	DN50/75	535 g	+700820	1

## HL300 Floor drain with side inlet and backwater protector

### Data

Capacity	0,5 l/s
Material	PE, stainless steel V2A
Outlet	horizontal DN50, side inlet DN40/50, Connections pluggable and weldable
Extension	123 x 123 mm, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Central siphoning with side inlet, which cares for water in the trap
Additional information	with backwater protector, temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

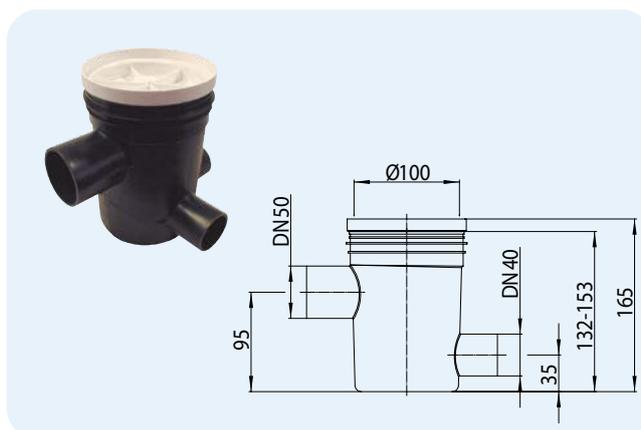


HL-No.	Dimension	Weight	EAN	Piece/package
300	DN50	935 g	+703005	1

## HL303K Floor drain body with 3 side inlets

### Data

Capacity	0,5 l/s
Material	PE
Outlet	horizontal DN50, 3 side inlets, connections pluggable and weldable
Grate	with Accessories: Plug HL306 or with Trap seal assembly HL307
Stench trap	Height of seal water 35 mm
Recommended for	Central drainage and siphoning for the whole bathroom
Additional information	no connection to the waterproofing
Including	Lot cover

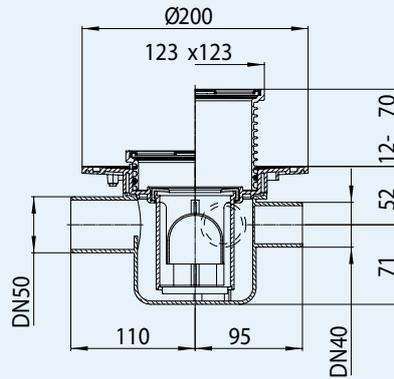


HL-No.	Dimension	Weight	EAN	Piece/package
303K	DN50	230 g	+703036	1

## HL304 Floor drain with 3 side inlets

### Data

Capacity	0,5 l/s
Material	PE, stainless steel V2A
Outlet	horizontal DN50, 3 side inlets DN40, connections pluggable and weldable
Extension	123 x 123 mm, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Central drainage and siphoning of the whole bathroom, the inlets care for enough water in the trap
Additional information	with backwater protector, temperature-resistant up to 85 °C
Including	Supporting frame, lot cover


 HL037Pr.1E

 HL037N.0E

 HL037N.2E

 HL01067D

 HL0300.0EN

 HL0300.6E

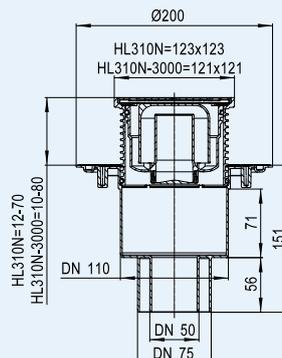
 HL304K

HL-No. 304	Dimension DN50	Weight 795 g	EAN +703043	Piece/package 1
---------------	-------------------	-----------------	----------------	--------------------

## HL310N Floor drain HL310N-3000 Floor drain like HL310N, but with stainless steel frame

### Data

Capacity	0,75 l/s with 20 mm stowage height 0,55 l/s with 10 mm stowage height
Material	PP, stainless steel V2A
Outlet	DN50/75/110, vertical
Extension	HL310N: 123 x 123 mm, cuttable in height HL310N-3000: 121 x 121 mm, „Klick-Klack-fixing system”, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Floor drainage with vertical connection
Additional information	temperature-resistant up to 85 °C
Including	Supporting frame, lot cover



### HL310N HL310N-3000

 HL037Pr.1E

 HL037N.0E

 HL0510.7E

 HL0510.7EKK

 HL037N.2E

 HL3200

 HL01067D

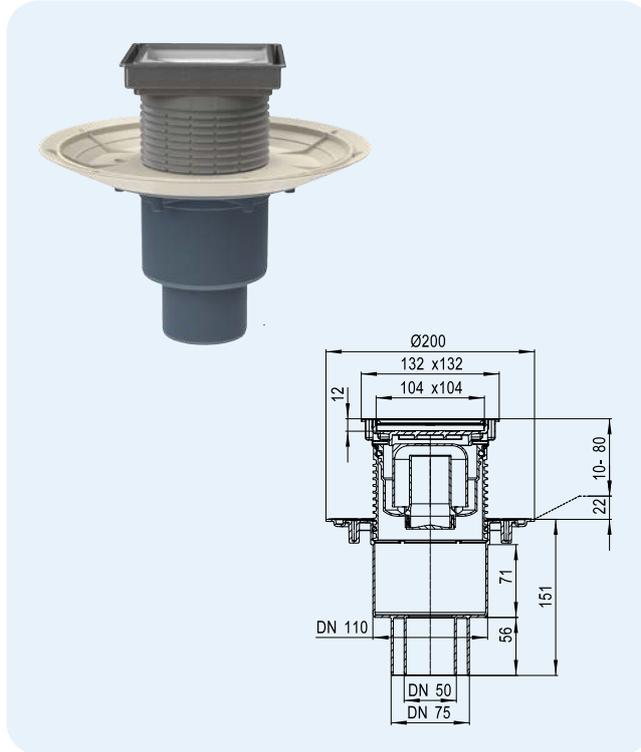
 HL0300.0EN

 HL310K

HL-No. 310N 310N-3000	Dimension DN50/75/110 DN50/75/110	Weight 620 g 665 g	EAN +004638 +016327	Piece/package 1 1
-----------------------------	---	--------------------------	---------------------------	-------------------------

**HL310N-3020 Floor drain with tilable extension**  
**HL310Prblue-3020 like HL310N-3020, but with Primus blue trap**

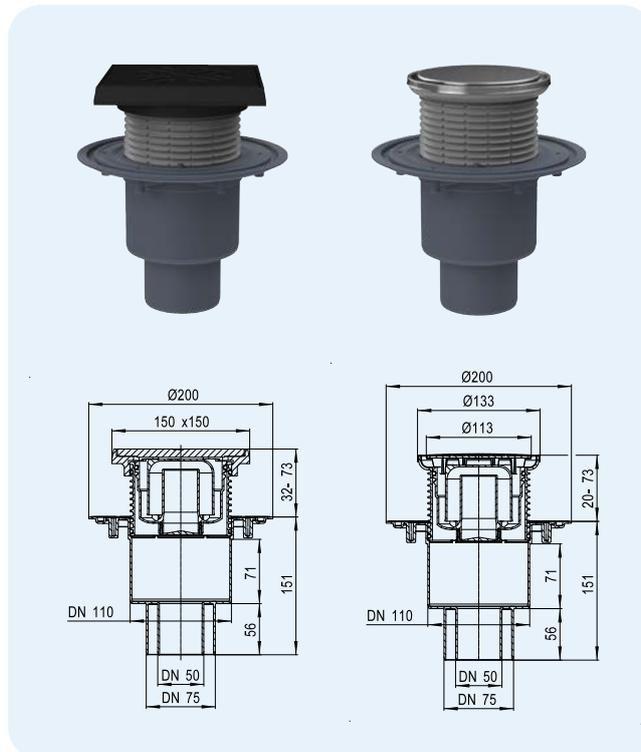
Data	
Capacity	HL310N-3020 0,75 l/s with 20 mm stowage height 0,70 l/s with 10 mm stowage height HL310Prblue-3020 0,60 l/s with 20 mm stowage height 0,50 l/s with 10 mm stowage height
Material	PP,ABS, stainless steel V4A
Outlet	DN50/75/110, vertical
Extension	132 x 132 mm with stainless steel frame V4A, cuttable in height
Grate	Stainless steel frame and special grate, to be filled with tiles Size of grate: 104 x 104 x 12 mm
Stench trap	HL310N-3020: Height of seal water 50mm HL310Prblue-3020: Primus <b>blue</b> trap with 50mm seal water
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 - max. 300 kg
Recommended for	e.g. tiled showers, SPA-area
Additional information	Temperature-resistant up to 85°C
Including	Lot cover



HL-No.	Dimension	Weight	EAN	Piece/package
310N-3020	DN50/75/110	670 g	+034383	1
310Prblue-3020	DN50/75/110	727 g	+052011	1

**HL310NG Floor drain with cast iron frame and grate**  
**HL310NR Floor drain like HL310NG, but with round cover plate**

Data	
Capacity	HL310NG DN50: 0,85 l/s with 20 mm stowage height DN75 + DN110 0,75 l/s with 20 mm stowage height HL310NR 0,75 l/s with 20 mm stowage height 0,55 l/s with 10 mm stowage height
Material	cast iron/PP, stainless steel V2A
Outlet	DN50/75/110, vertical
Extension	HL310NG: 150 x 150 mm, cuttable in height HL310NR: Ø 133 mm, cuttable in height
Grate	HL310NG: 137 x 137 mm, Cast iron HL310NR: Ø 112 mm, Stainless steel
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	HL310NG: L15 – max. 1,5 t HL310NR: K 3 – max. 300 kg
Recommended for	HL310NG: e.g. carpark, mastic asphalt HL310NR: barrier-free showers
Additional information	temperature-resistant up to 85 °C
Including	Lot cover

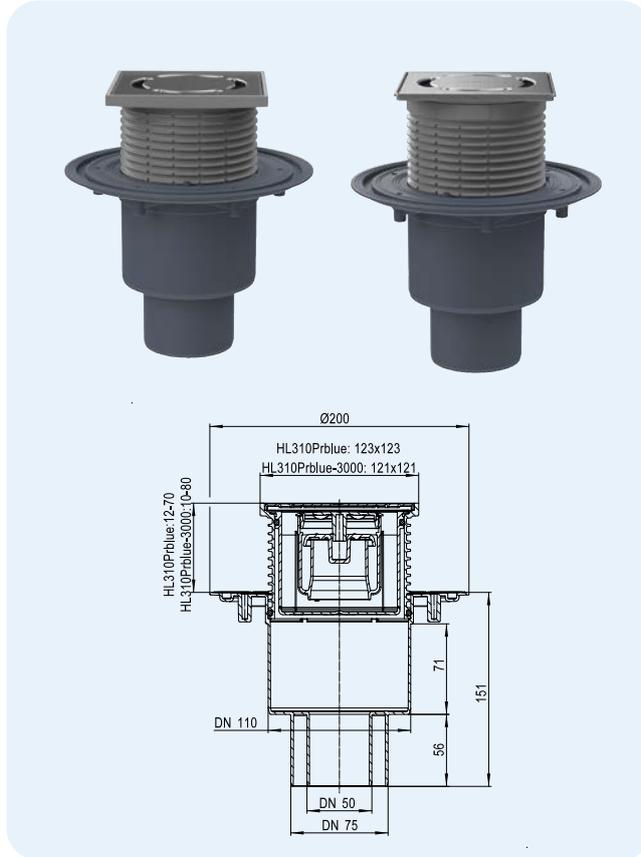


HL-No.	Dimension	Weight	EAN	Piece/package
310NG	DN50/75/110	2295 g	+004652	1
310NR	DN50/75/110	560 g	+006038	1

**HL310Prblue** Floor drain with Primus **blue** trap  
**HL310Prblue-3000** like HL310Prblue, but with stainless steel frame

**Data**

Capacity	0,60 l/s with 20 mm stowage height 0,50 l/s with 10 mm stowage height
Material	PP
Outlet	DN50/75/110, vertical
Extension	HL310Prblue: 123 x 123 mm, cuttable in height HL310Prblue-3000: 121 x 121 mm, „Klick-Klack-fixing system”, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm and <b>Primus blue</b> (No stench, with or without water)
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 – max. 300 kg
Recommended for	Floor drainage with vertical connection
Additional information	Floor drainage especially at unfrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Temperature resistant up to 85 °C
Including	Supporting frame, lot cover



**HL310Prblue**  
**HL310Prblue-3000**

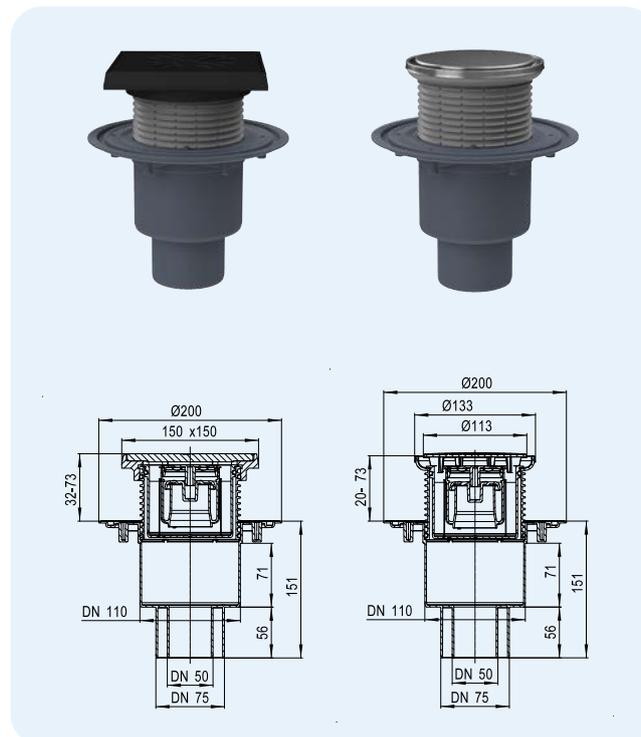


HL-No.	Dimension	Weight	EAN	Piece/package
310Prblue	DN50/75/110	659 g	+051991	1
310Prblue-3000	DN50/75/110	722 g	+052004	1

**HL310PrblueG** Floor drain like HL310NG, but with Primus **blue** trap  
**HL310PrblueR** Floor drain like HL310NR, but with Primus **blue** trap

**Data**

Capacity	HL310PrblueG 0,55 l/s with 20 mm stowage height HL310PrblueR 0,60 l/s with 20 mm stowage height 0,50 l/s with 10 mm stowage height
Material	cast iron/PP, stainless steel V2A
Outlet	DN50/75/110, vertical
Extension	HL310PrblueG: 150 x 150 mm, cuttable in height HL310PrblueR: Ø 133 mm, cuttable in height
Grate	HL310PrblueG: 137 x 137 mm, Cast iron HL310PrblueR: Ø 112 mm, Stainless steel
Stench trap	Height of seal water 50 mm u. <b>Primus blue</b> (No stench, with or without water)
Standard	EN 1253, ÖNORM B2501
Load classification	HL310PrblueG: L15 – max. 1,5 t HL310PrblueR: K 3 – max. 300 kg
Recommended for	HL310PrblueG: e.g. carparks, mastic asphalt HL310PrblueR: barrier-free showers
Additional information	Floor drainage especially at unfrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Temperature resistant up to 85° C
Including	Lot cover



**HL310PrblueG**  
**HL310PrblueR**

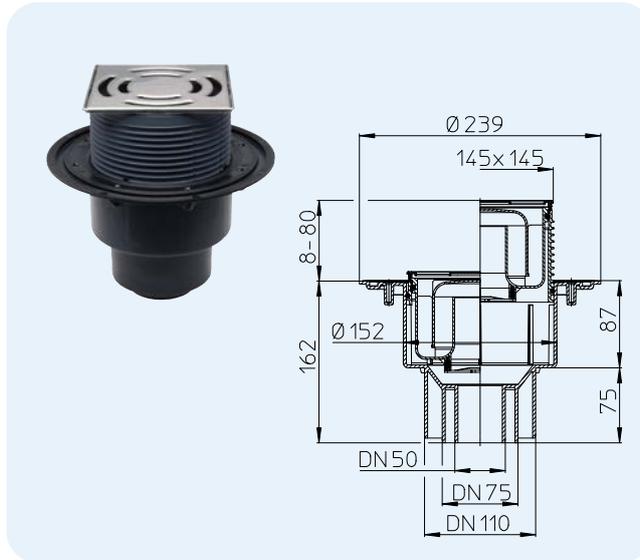


HL-No.	Dimension	Weight	EAN	Piece/package
310PrblueG	DN50/75/110	2324 g	+052073	1
310PrblueR	DN50/75/110	549 g	+052080	1

### HL3100 Floor drain with high capacity

#### Data

Capacity	DN50: 1,25 l/s, DN75/110: 1,4 l/s
Material	PE, stainless steel
Outlet	DN50/75/110, vertical, pluggable and weldable
Extension	Stainless steel V4A, 145 x 145 mm, „Klick-Klack“-locking system, cuttable in height
Grate	Stainless steel V2A, 138 x 138 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Floor drain with high capacity, e.g. „Rainsdance“
Additional information	with „Klick-Klack-fixing system“, temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

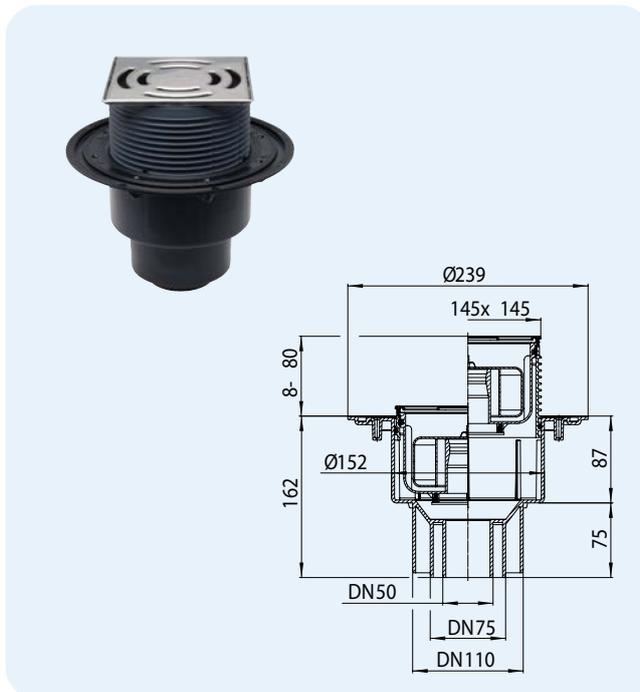


HL-No. 3100	Dimension DN50/75/110	Weight 1040 g	EAN +025428	Piece/package 1
----------------	--------------------------	------------------	----------------	--------------------

### HL3100Pr Floor drain with high capacity and Primus trap

#### Data

Capacity	0,8 l/s
Material	PE, stainless steel
Outlet	DN50/75/110, vertical, pluggable and weldable
Extension	Stainless steel V4A, 145 x 145 mm, „Klick-Klack“-locking system, cuttable in height
Grate	Stainless steel V2A, 138 x 138 mm
Stench trap	Height of seal water 50 mm and Primus (No stench, with or without water)
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 – max. 300 kg
Recommended for	Floor drain with high capacity, e.g. „Rainsdance“
Additional information	Floor drainage especially at unfrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Temperature resistant up to 85 °C
Including	Supporting frame, lot cover

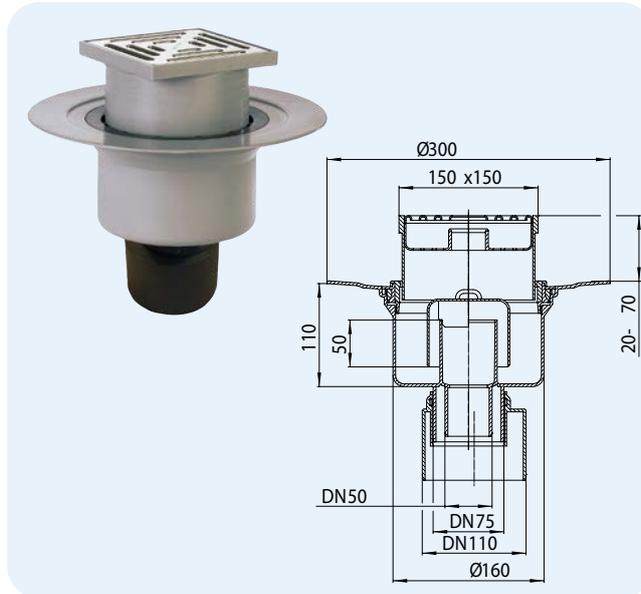


HL-No. 3100Pr	Dimension DN50/75/110	Weight 1079 g	EAN +025435	Piece/package 1
------------------	--------------------------	------------------	----------------	--------------------

### HL317 Floor drain vertical

#### Data

Capacity	1,8 l/s
Material	PP, stainless steel V2A
Outlet	DN50/75/110, vertical
Extension	150 x 150 mm, cuttable in height
Grate	Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Floor drain with high capacity
Additional information	temperature-resistant up to 95 °C
Including	Lot cover

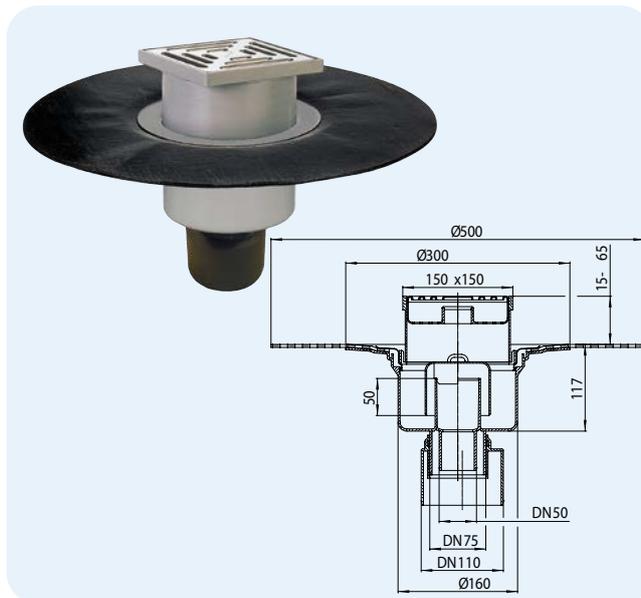


HL-No. 317	Dimension DN50/75/110	Weight 1200 g	EAN +703173	Piece/package 1
---------------	--------------------------	------------------	----------------	--------------------

### HL317H Floor drain vertical with bitumen collar

#### Data

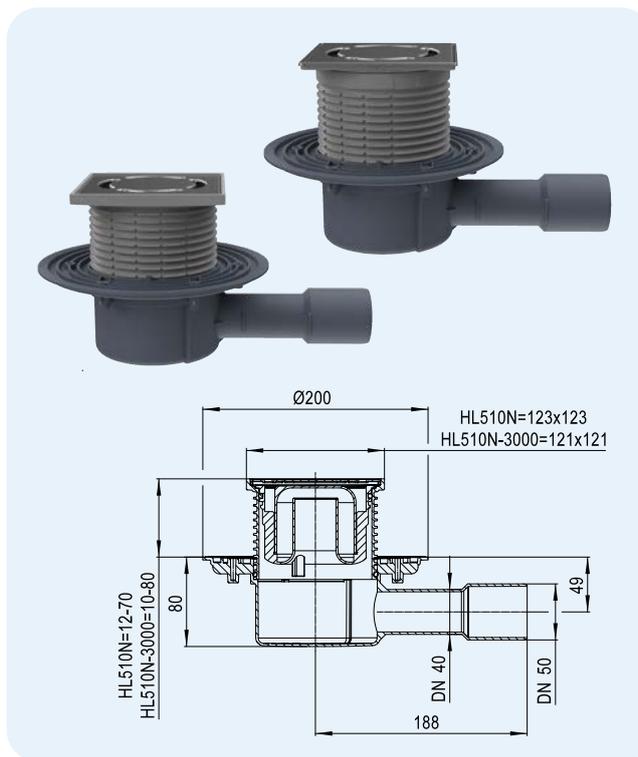
Capacity	1,8 l/s
Material	PP, stainless steel V2A
Outlet	DN50/75/110 vertical
Extension	150 x 150 mm, cuttable in height
Grate	Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Floor drain with high capacity
Additional information	Bitumen waterproofings, temperature-resistant up to 95 °C
Including	Lot cover



HL-No. 317H	Dimension DN50/75/110	Weight 1985 g	EAN +317110	Piece/package 1
----------------	--------------------------	------------------	----------------	--------------------

**HL510N Floor drain**
**HL510N-3000 Floor drain like HL510N, but with stainless steel frame**
**Data**

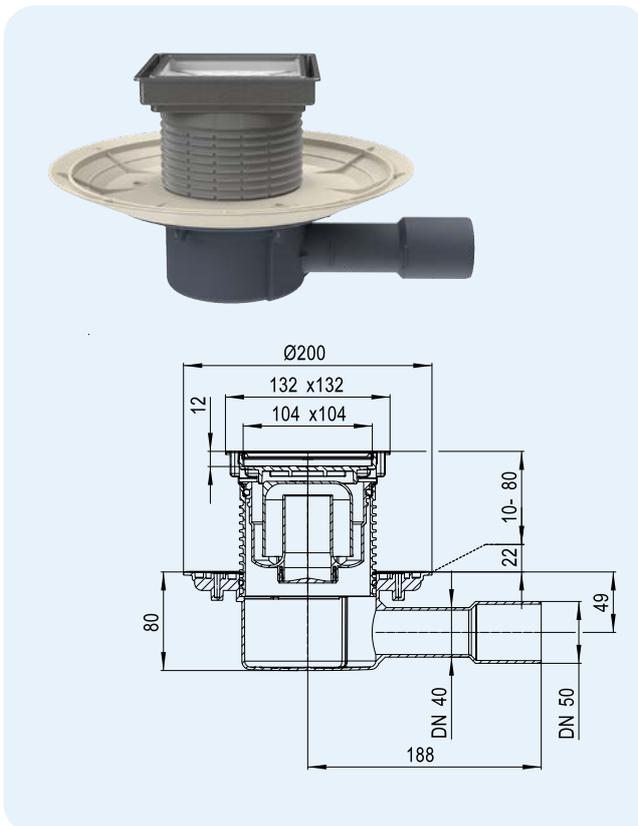
Capacity	0,55 l/s with 20 mm stowage height 0,45 l/s with 10 mm stowage height
Material	PP, stainless steel
Outlet	DN40/50, horizontal
Extension	HL510N: 123 x 123 mm, cuttable in height HL510N-3000: 121 x 121 mm, „Klick-Klack-fixing system”, cuttable in height, stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm, stainless steel V2A
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	Floor drainage with horizontal connection
Additional information	Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories). Temperature- resistant up to 85 °C
Including	Supporting frame, lot cover


**HL510N**
**HL510N-3000**


HL-No.	Dimension	Weight	EAN	Piece/package
510N	DN40/50	546 g	+051007	1
510N-3000	DN40/50	681 g	+016686	1

**HL510N-3020 Floor drain with frame for tiles**
**HL510Prblue-3020 Like HL510N-3020, but with Primus blue trap**
**Data**

Capacity	HL510N-3020: 0,55 l/s with 20 mm stowage height 0,45 l/s with 10 mm stowage height HL510Prblue-3020: 0,55 l/s with 20 mm stowage height 0,45 l/s with 10 mm stowage height
Material	PP, ABS, stainless steel V4A
Outlet	DN40/50 horizontal
Extension	132 x 132 mm with stainless steel frame V4A, cuttable in height
Grate	Stainless steel frame and special grate, to be filled with tiles Size of grate: 104 x 104 x 12 mm
Stench trap	HL510N-3020: Height of seal water 50 mm HL510Prblue-3020: Primus <b>blue</b> trap with 50mm seal water
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 - max. 300 kg
Recommended for	e.g. tiled showers, SPA-area
Additional information	Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories) Temperature- resistant up to 85 °C
Including	Lot cover

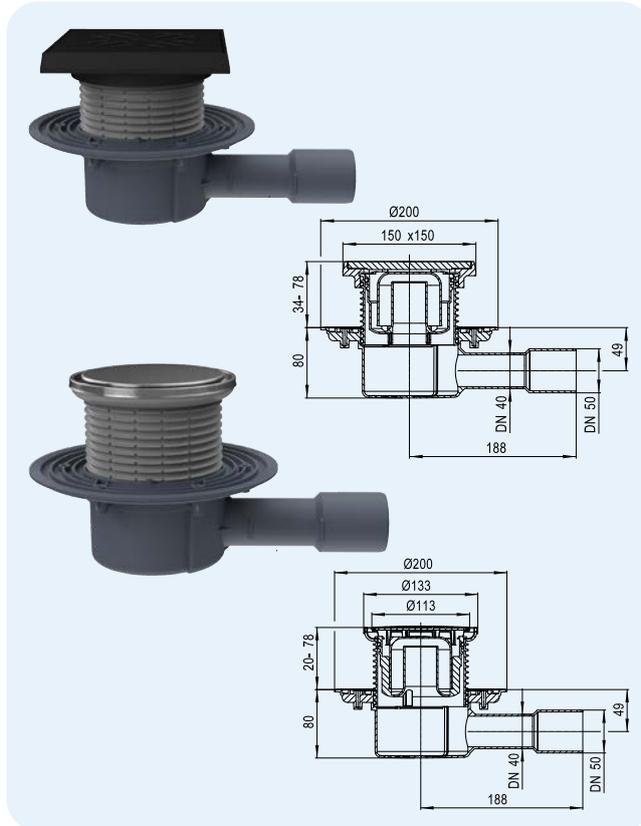

**HL510N-3020**
**HL510Prblue-3020**


HL-No.	Dimension	Weight	EAN	Piece/package
510N-3020	DN40/50	686 g	+034406	1
510Prblue-3020	DN40/50	738 g	+052110	1

**HL510NG** Floor drain with cast iron frame and grate  
**HL510NR** like HL510NG, but with round stainless steel cover plate

**Data**

Capacity	HL510NG 0,60 l/s with 20 mm stowage height HL510NR 0,55 l/s with 20 mm stowage height 0,45 l/s with 10 mm stowage height
Material	cast iron/PP, stainless steel V2A
Outlet	DN40/50, horizontal
Extension	HL510NG: 150 x 150 mm, cuttable in height HL510NR: Ø 133 mm, cuttable in height
Grate	HL510NG: 137 x 137 mm, Cast ironrost HL510NR: Ø 112 mm Edelstahl
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	HL510NG: L15 – max. 1,5 t HL510NR: K 3 – max. 300 kg
Recommended for	HL510NG: e.g. carparks, mastic asphalt HL510NR: barrier-free showers
Additional information	Temperature-resistant up to 85 °C
Including	Lot cover



**HL510NG**      **HL510NR**

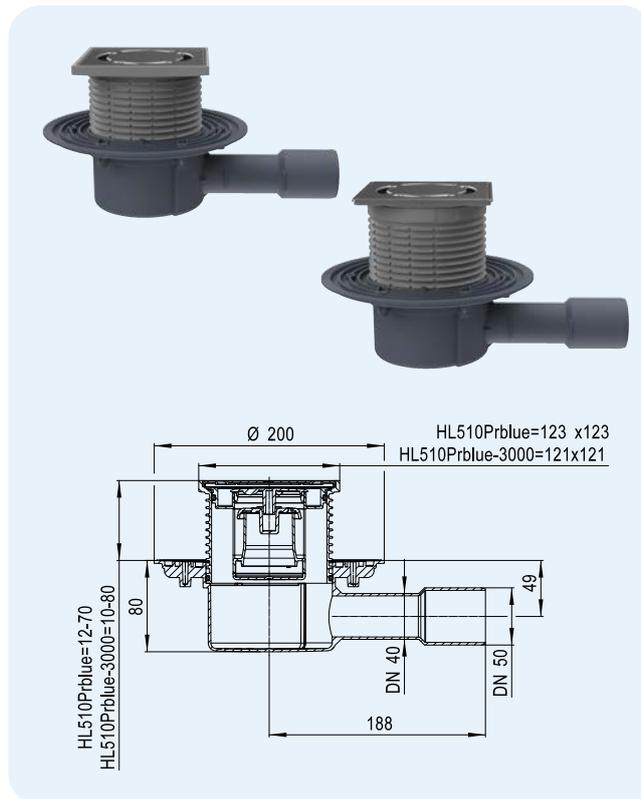


HL-No.	Dimension	Weight	EAN	Piece/package
510NG	DN40/50	2221 g	+001965	1
510NR	DN40/50	546 g	+006076	1

**HL510Prblue** Floor drain with Primus **blue** trap  
**HL510Prblue-3000** like HL510Prblue, but with stainless steel frame

**Data**

Capacity	0,50 l/s with 20 mm stowage height 0,40 l/s with 10 mm stowage height
Material	PP, stainless steel
Outlet	DN40/50, horizontal
Extension	HL510Prblue: 123 x 123 mm, cuttable in height HL510Prblue-3000: 121 x 121 mm, „Klick-Klack-fixing system“, cuttable in height, stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm, stainless steel V2A
Stench trap	Height of seal water 50 mm and <b>Primus blue</b> (No stench, with or without water)
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 – max. 300 kg
Recommended for	Floor drainage with horizontal connection
Additional information	Floor drainage especially at unrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories). Temperature-resistant up to 85 °C
Including	Supporting frame, lot cover



**HL510Prblue**  
**HL510Prblue-3000**

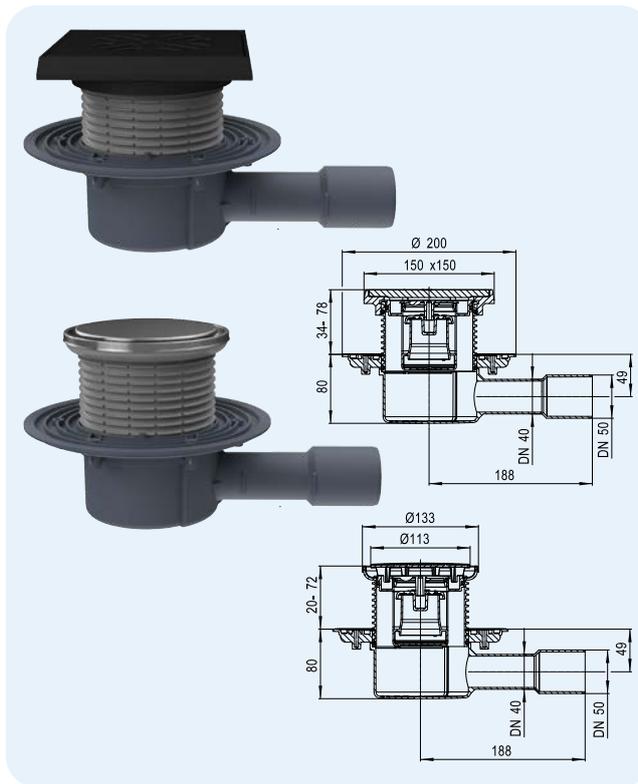


HL-No.	Dimension	Weight	EAN	Piece/package
510Prblue	DN40/50	675 g	+052097	1
510Prblue-3000	DN40/50	732 g	+052103	1

**HL510PrblueG** Floor drain with Primus **blue** odor barrier, cast frame and grate  
**HL510PrblueR** like HL510PrblueG, but with round stainless steel cover

**Data**

Capacity	HL510PrblueG 0,55 l/s with 20 mm stowage height HL510PrblueR 0,50 l/s with 20 mm stowage height 0,40 l/s with 10 mm stowage height
Material	cast iron/PP, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
Extension	HL510PrblueG: 150 x 150 mm, cuttable in height HL510PrblueR: Ø 133 mm, cuttable in height
Grate	HL510PrblueG: 137 x 137 mm, cuttable in height HL510PrblueR: Ø 112 mm, cuttable in height
Stench trap	Height of seal water 50 mm and <b>Primus blue</b> (No stench, with or without water)
Standard	EN 1253, ÖNORM B2501
Load classification	HL510PrblueG: L15 – max. 1,5 t HL510PrblueR: K 3 – max. 300 kg
Recommended for	HL510PrblueG: e.g. carparks, mastic asphalt HL510PrblueR: barrier-free showers
Additional information	Floor drainage especially at unrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories). Temperature-resistant up to 85 °C
Including	Lot cover



HL-No.	Dimension	Weight	EAN	Piece/package
510PrblueG	DN40/50	2425 g	+052172	1
510PrblueR	DN40/50	675 g	+052189	1

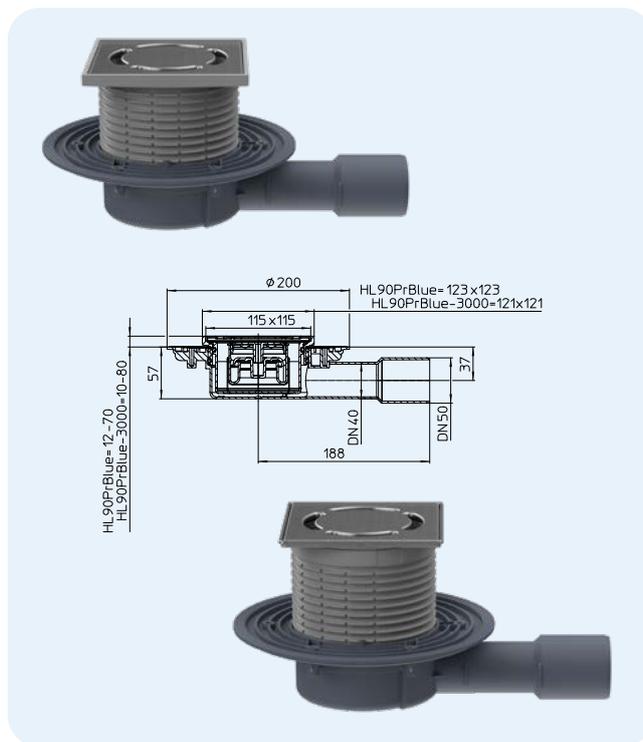
**HL510PrblueG**  
**HL510PrblueR**



**HL90Prblue** Floor drain flat with Primus **blue** trap  
**HL90Prblue-3000** like HL90Prblue, but with stainless steel frame

**Data**

Capacity	0,45 l/s with 20 mm stowage height 0,4 l/s with 10 mm stowage height
Material	PP, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
Extension	HL90Prblue: 123 x 123 mm, cuttable in height HL90Prblue-3000: 121 x 121 mm, „Klick-Klack-fixing system“, cuttable in height, stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm, stainless steel V2A
Odor trap	<b>New Primus blue</b> , combined odor trap with sealing water and mechanical odor barrier (absolutely odor-tight even without water). Backflow-proof up to 50 cm accumulation height
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 – max. 300 kg
Recommended for	Floor constructions < 100 mm
Additional information	Floor drainage especially at unrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories). Hair catcher HL0541.6E available as accessories! Temperature-resistant up to 85 °C
Including	Supporting frame, lot cover



HL-No.	Dimension	Weight	EAN	Piece/package
90Prblue	DN40/50	510 g	+050505	1
90Prblue-3000	DN40/50	564 g	+050512	1

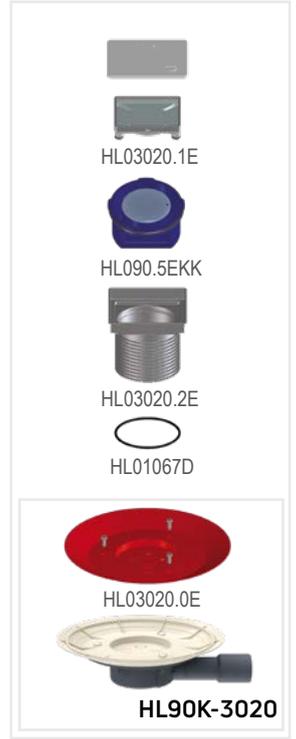
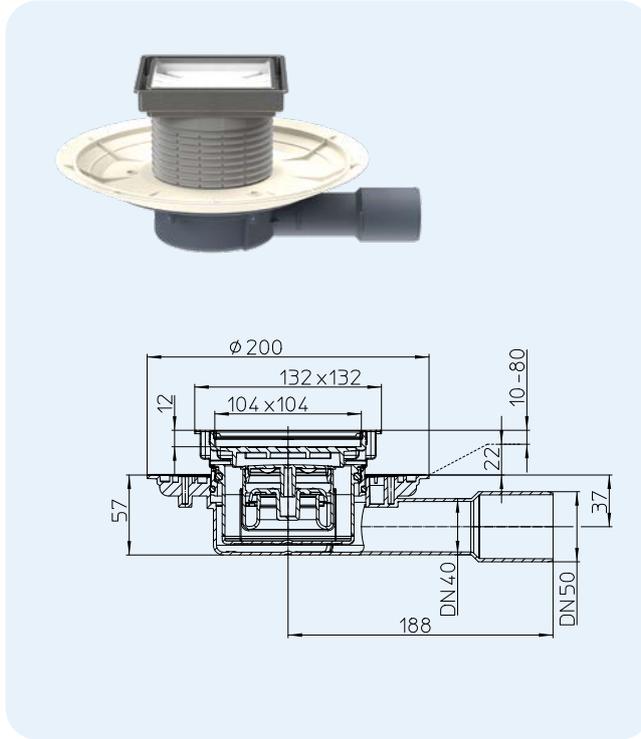
**HL90Prblue**  
**HL90Prblue-3000**



### HL90Prblue-3020 Floor drain with tilable extension and PRIMUS trap

#### Data

Capacity	0,5 l/s with 20 mm stowage height 0,45 l/s with 10 mm stowage height
Material	PP, ABS, stainless steel V4A
Outlet	DN40/50
Extension	132 x 132 mm with stainless steel frame V4A, cuttable in height
Grate	Stainless steel frame and special grate, to be filled with tiles Size of grate: 104 x 104 x 12 mm
Odor trap	New <b>Primus blue</b> , combined odor trap with sealing water and mechanical odor barrier (absolutely odor-tight even without water). Backflow-proof up to 50 cm accumulation height
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 - max. 300 kg
Recommended for	e.g. tiled showers, SPA-area, with floor levels < 100mm
Additional information	Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories) Hair catcher HL0541.6E available as accessories! Temperature-resistant up to 85 °C
Including	Lot cover

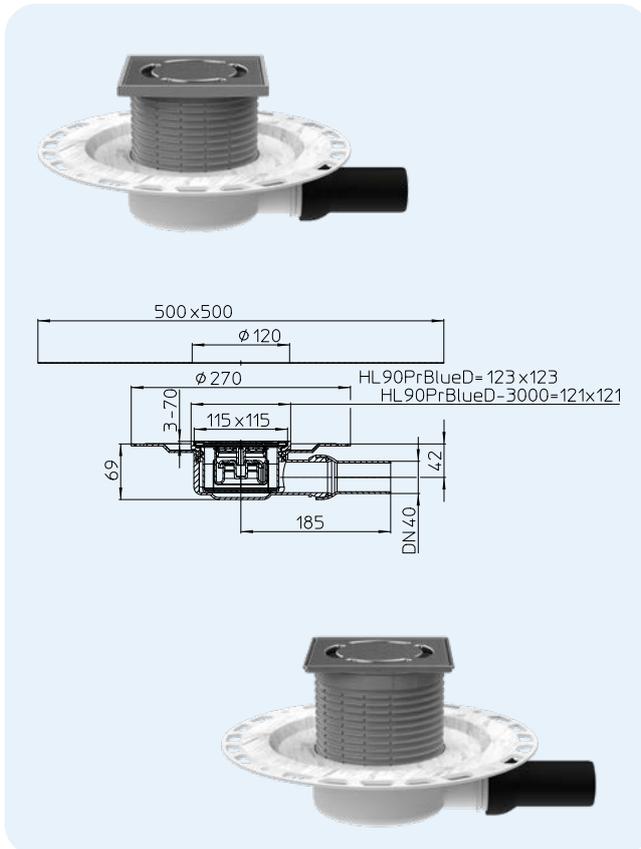


HL-No.	Dimension	Weight	EAN	Piece/package
90Prblue-3020	DN40/50	570 g	+050529	1

### HL90PrblueD Floor drain with integrated fleece flange HL90PrblueD-3000 like HL90PrblueD, but with stainless steel frame

#### Data

Capacity	0,45 l/s with 20 mm stowage height 0,40 l/s with 10 mm stowage height
Material	PP/PE, stainless steel
Outlet	DN40, horizontal, pluggable and weldable
Extension	HL90PrblueD: 123 x 123 mm, cuttable in height HL90PrblueD-3000: 121 x 121 mm, „Klick-Klack-fixing system“, cuttable in height, stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm, stainless steel V2A
Odor trap	New <b>Primus blue</b> , combined odor trap with sealing water and mechanical odor barrier (absolutely odor-tight even without water). Backflow-proof up to 50 cm accumulation height
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 – max. 300 kg
Recommended for	Floor constructions < 100 mm
Additional information	Floor drainage especially at uninfrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories) Hair catcher HL0541.6E available as accessories! Temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

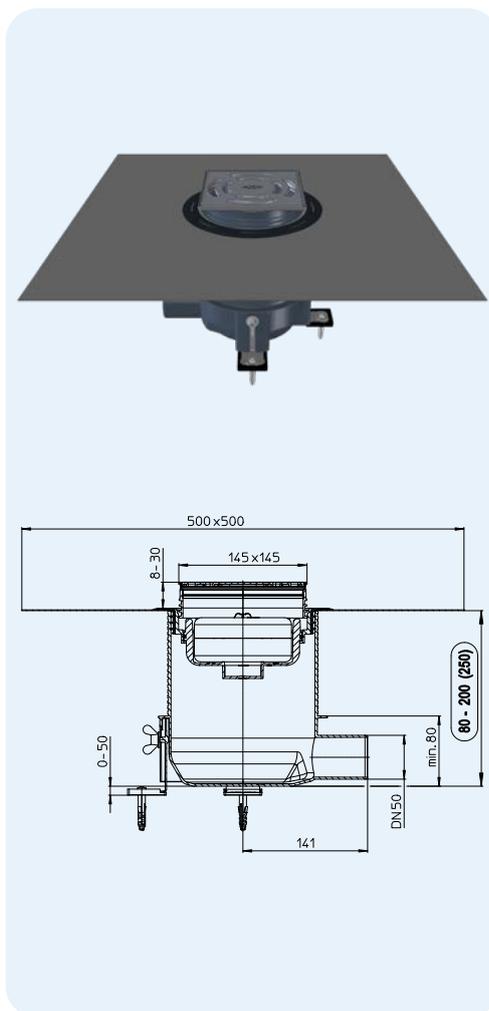


HL-No.	Dimension	Weight	EAN	Piece/package
90PrblueD	DN40	812 g	+050543	1
90PrblueD-3000	DN40	855 g	+050550	1

**HL540 „Primus Drain“ Shower drain, MIN. HEIGHT 80 MM !**
**HL540I „Primus Drain“ Shower drain with individual tile hollow, MIN. HEIGHT 80 MM !**
**Data**

Capacity	20 mm above drain level: HL540=0,8l/s; HL540i=0,6/s 10 mm above drain level: HL540=0,55l/s; HL540i=0,45l/s
Material	PP/stainless steel, Frame: V4A Grate HL540=V2A Grate HL540i=V4A
Outlet	DN50 horizontal
Height	from 8 - 20 cm adjustable
Standard	EN 1253
Stench trap	5cm seal water, incl. Primus-trap, no stench without seal water
Additional information	incl. removable trap inlet, sealing kit with textile coated membrane, sound disconnected adjusting angles, protection cover and lot cover Soundproofing tested Test certificate: <a href="http://www.hl.at">www.hl.at</a>
Installation	The drain body might be fixed on the floor with 3 metal angles and can be adjusted in height afterwards. Advantage: maximum scedd covering of the outlet pipe. New: It is no longer necessary to set the drain exactly on the right height of the screed. After filling in the screed, the salient nozzle is cut by a saw. The sealing kit may be inserted without any tools and takes care of a safe connection to the waterproofing. At the end the extension is adjusted and set into the drain. Please take care, that the edges of the frame are underlaid with tile glue to take maximum load.

Please also see  
installation movie at  
[www.hl.at](http://www.hl.at)



HL-No.	Material	Dimension	Weight	EAN	Piece/package
540	PP/Stainless steel	DN50	1533 g	+039029	1
540I	PP/Stainless steel	DN50	1898 g	+039098	1
540-Quadra	PP/Stainless steel	DN50	1898 g	+041817	1
540-Cut	PP/Stainless steel	DN50	1898 g	+041800	1
540-Hamam	PP/Stainless steel/ PVD-coated	DN50	1898 g	+041824	1

**HL540**
**HL0540.5E**

HL03910.1E



HL03900.0E



HL0540.2E



HL2040



HL0540.4E

**HL540I**


HL2040I

**HL540K**


HL0540.0E



HL0540.3E

**HL066Q.1E, HL066C.1E, HL0540I, HL3928, HL3128E Design grates**
**Data**

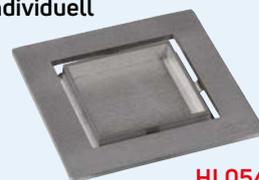
Material	Stainless steel
Grate	HL540I: 138x138mm massive, Tile hollow: 74x74 mm, depth 13mm
Load classification	L - max. 1,5t, HL0540I - K3
Recommended for	Shower drain HL540 or floor drain series HL5100, HL3100, HL72.1 and HL317

**Quadra**


HL066Q.1E

**Cut**


HL066C.1E

**Individuell**


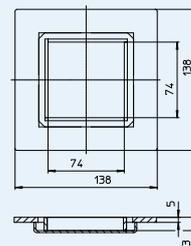
HL0540I

**Hamam (Stainless steel/  
PVD-coated)**


HL3928

**Hamam (Stainless steel)**


HL3128E



HL-No.	Material	Dimension	Weight	EAN	Piece/package
066Q.1E	Stainless steel V2A	138 x 138 x 5 mm	607 g	+013623	1
066C.1E	Stainless steel V2A	138 x 138 x 5 mm	608 g	+031283	1
0540I	Stainless steel V4A	138 x 138 x 5 mm	638 g	+039104	1
3928	Stainless steel V4A/V2A/PVD-coated	138 x 138 x 5 mm	608 g	+031283	1
3128E	Stainless steel V2A	138 x 138 x 5 mm	595 g	+037094	1

**HL541 Primus blue Flat shower drain, MIN. HEIGHT 62MM!**

**HL541I Primus blue Flat shower drain with individual tile hollow, MIN. HEIGHT 62MM!**

**Data**

Capacity 20 mm above drain level:  
HL541=0,5l/s; HL541i=0,45/s  
10 mm above drain level:  
HL541=0,4l/s; HL541i=0,4l/s

Material PP/stainless steel, Frame: V4A  
Grate HL541=V2A  
Grate HL541i=V4A

Outlet DN40/DN50 horizontal

Height from 62 - 200 (230) mm

Standard EN 1253

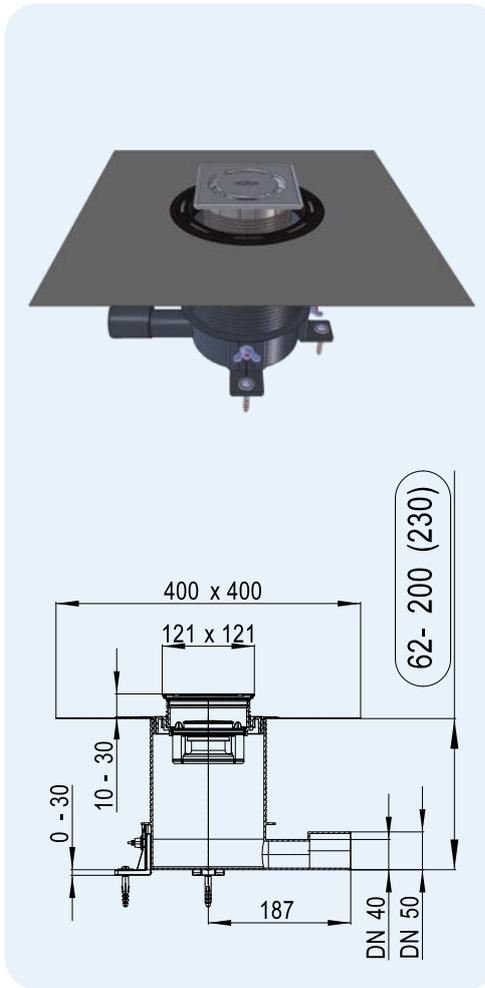
Load classification K3 - max. 300 kg

Odor trap New **Primus blue**, combined odor trap with sealing water and mechanical odor barrier (absolutely odor-tight even without water). Backflow-proof up to 50 cm accumulation height

Additional information Incl. removable trap inlet, sealing kit with fleece laminated membrane, adjustable fixing angles, hair catcher, lot cover and protection cover.

Installation The drain body might be fixed on the floor with 3 metal angles and can be adjusted in height afterwards. Advantage: maximum speed covering of the outlet pipe. New: It is no longer necessary to set the drain exactly on the right height of the screed. After filling in the screed, the salient nozzle is cut by a saw. The sealing kit may be inserted without any tools and takes care of a safe connection to the waterproofing. At the end the extension is adjusted and set into the drain. Please take care, that the edges of the frame are underlaid with tile glue to take maximum load.

Please also see installation movie and movie „function of Primus blue“ at www.hl.at



HL-No.	Material	Dimension	Weight	EAN	Piece/package
541	PP/Stainless steel	DN40/50	-	+047642	1
541I	PP/Stainless steel	DN40/50	-	+047659	1
541-Quadra	PP/Stainless steel	DN40/50	-	-	1

**HL0541I, HL3120, HL3121, HL3122, HL3123, HL3124, HL3125, HL3127 Design grates**

**Daten**

Material Stainless steel V4A

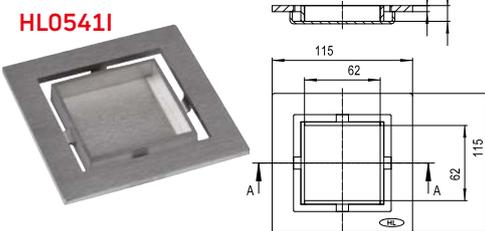
Grate Stainless steel grate 115 x 115 mm

Load classification L – max. 1,5 t

Recommended for Floor drain series HL70, HL80, HL300, HL304, HL310, HL510, HL90 combined with extensions HL3200 or HL3210  
HL0541I: HL541



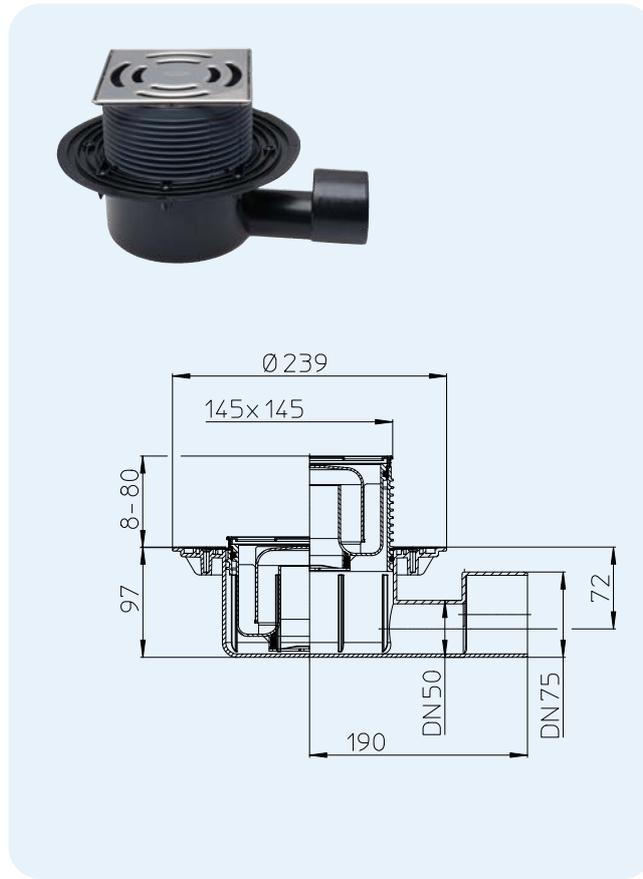
HL-No.	Dimension	Weight	EAN	Piece/package
3120	115 x 115 mm	425 g	+015412	1
3121	115 x 115 mm	425 g	+015429	1
3122	115 x 115 mm	425 g	+015443	1
3123	115 x 115 mm	425 g	+015443	1
3124	115 x 115 mm	425 g	+015450	1
3125	115 x 115 mm	425 g	+015467	1
3127	115 x 115 mm	430 g	+029037	1
0541I	115 x 115 mm	800 g	+048304	1



## HL5100 Floor drain with high capacity

### Data

Capacity	1,0 l/s
Material	PE, stainless steel
Outlet	DN50/75, horizontal, pluggable and weldable
Extension	Stainless steel V4A, 145 x 145 mm, „Klick-Klack“-locking system, cuttable in height
Grate	Stainless steel V2A, 138 x 138 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	e.g. barrier-free showers with high volume (Raindance)
Additional information	with stainless steel frame, Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories). Temperature-resistant up to 85 °C
Including	Supporting frame, lot cover

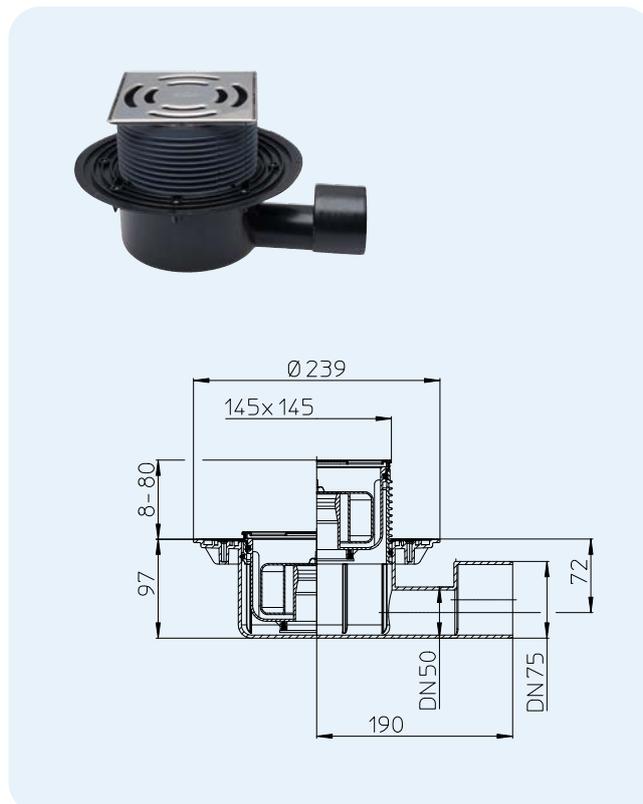


HL-No. 5100	Dimension DN50/75	Weight 1025 g	EAN +025442	Piece/package 1
----------------	----------------------	------------------	----------------	--------------------

## HL5100Pr Floor drain with high capacity, with PRIMUS trap

### Data

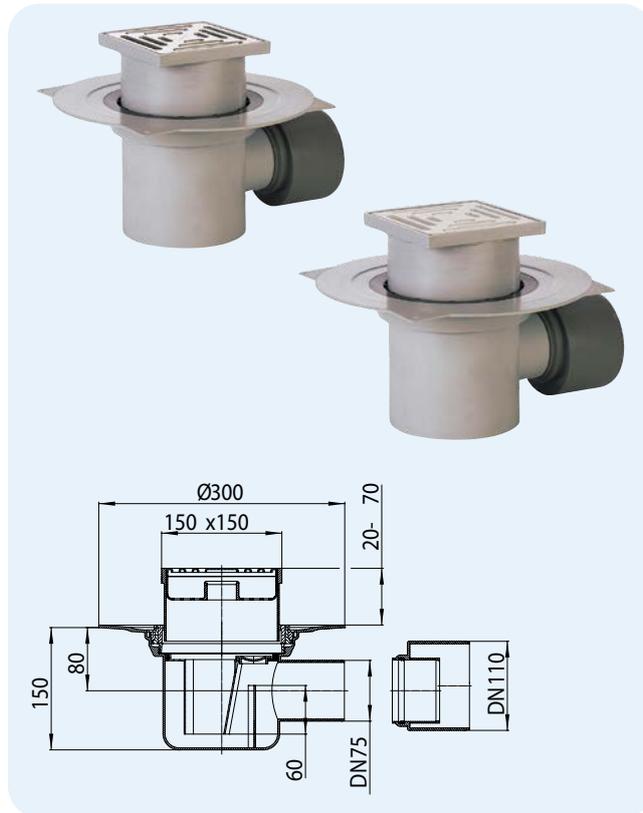
Capacity	0,8 l/s
Material	PE, stainless steel
Outlet	DN50/75, horizontal, pluggable and weldable
Extension	Stainless steel V4A, 145 x 145 mm, „Klick-Klack“-locking system, cuttable in height
Grate	Stainless steel V2A, 138 x 138 mm
Stench trap	Height of seal water 50 mm and PRIMUS (No stench, with or without water)
Standard	EN 1253, ÖNORM B2501
Load classification	K 3 – max. 300 kg
Recommended for	e.g. barrier-free showers with high volume (Raindance)
Additional information	with stainless steel frame, Floor drainage especially at unrequent use, no stench with or without water, refilling of water into the trap is no longer necessary! Sound protection acc. ÖNORM B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories). Temperature-resistant up to 85 °C
Including	Supporting frame, lot cover



HL-No. 5100Pr	Dimension DN50/75	Weight 1069 g	EAN +025459	Piece/package 1
------------------	----------------------	------------------	----------------	--------------------

**HL72.1N Floor drain**  
**HL72.1 like HL72.1, but with plastic grate**

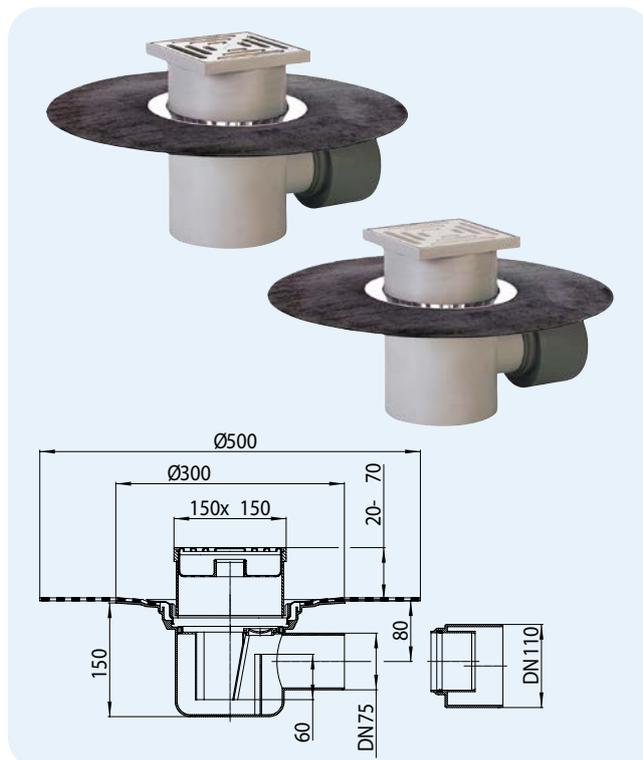
Data	
Capacity	1,5 l/s
Material	PP, stainless steel V2A
Outlet	DN75/110
Extension	150 x 150 mm, cuttable in height
Grate	HL72.1: Plastic grate 138 x 138 mm, HL72.1N: Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 60 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	e.g. barrier-free showers with high volume (Raindance)
Additional information	temperature-resistant up to 95 °C
Including	Lot cover and Sand trap



HL-No.	Dimension	Weight	EAN	Piece/package
72.1N	DN75/100	1330 g	+107216	1
72.1	DN75/100	1330 g	+710720	1

**HL72.1HN Floor drain with bitumen collar**  
**HL72.1H Floor drain with bitumen collar and plastic grate**

Data	
Capacity	1,5 l/s
Material	PP, stainless steel V2A
Outlet	DN75/110
Extension	150 x 150 mm, cuttable in height
Grate	HL72.1H: Plastic grate 138 x 138 mm, HL72.1HN: Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 60 mm
Standard	EN 1253
Load classification	K 3 – max. 300 kg
Recommended for	e.g. barrier-free showers with high volume (Raindance)
Additional information	temperature-resistant up to 95 °C
Including	Lot cover and Sand trap



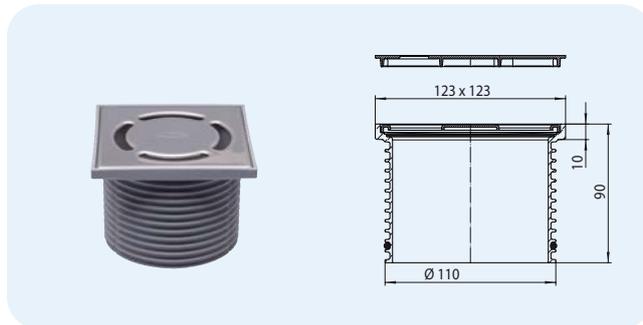
HL-No.	Dimension	Weight	EAN	Piece/package
72.1HN	DN75/100	2200 g	+072118	1
72.1H	DN75/100	2086 g	+997213	1

# HL Floor drains – Accessories – Data

## HL37N Standard extension

### Data

Material	PP, stainless steel V2A
Extension	PP-Frame 123 x 123 mm, extension cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL70, HL80, HL300, HL304, HL310, HL510, HL90
Including	Supporting frame



HL-No.	Dimension	Weight	EAN	Piece/package
37N	Ø 110 mm / 123 x 123 mm	350 g	+015221	1

## HL37N.1 Extension with water trap HL37Prblue Extension with Primus blue trap HL37FPblue Extension with flat Primus blue trap

### Data

Material	PP, stainless steel V2A
Extension	PP-Frame 123 x 123 mm, extension cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	HL37N.1: Water trap HL37Prblue: Primus <b>blue</b> trap HL37FPblue: Primus <b>blue</b> trap „flat“
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL310 and HL510
Including	Supporting frame

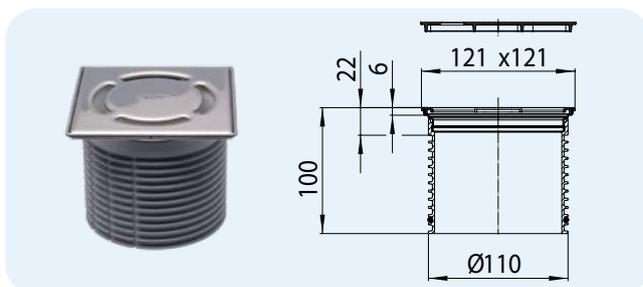


HL-No.	Dimension	Weight	EAN	Piece/package
37N.1	Ø 110 mm / 123 x 123 mm	380 g	+015245	1
37Prblue	Ø 110 mm / 123 x 123 mm	434 g	+051960	1
37FPblue	Ø 110 mm / 123 x 123 mm	402 g	+050536	1

## HL3000 Extension system „Klick-Klack“ with stainless steel frame HL3011 Extension system „Klick-Klack“ with stainless steel frame, screwed

### Data

Material	PE, stainless steel
Extension	Stainless steel frame 121 x 121 mm, extension cuttable in height, stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm, stainless steel V2A
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL70, HL80, HL300, HL304, HL310, HL510, HL90
Including	Supporting frame

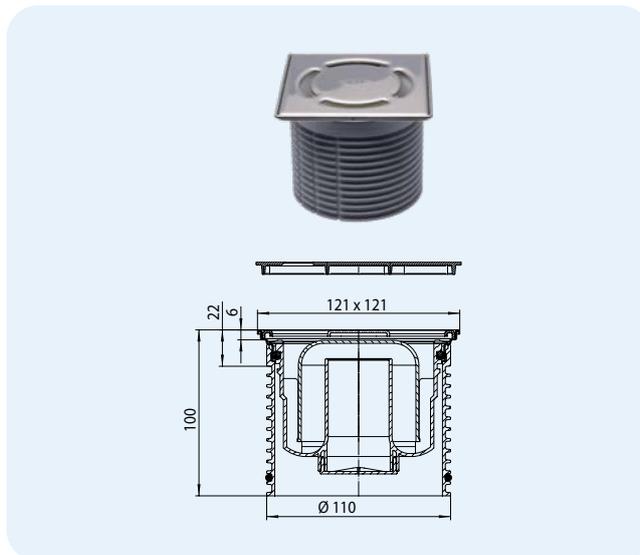


HL-No.	Dimension	Weight	EAN	Piece/package
3000	Ø 110 mm / 121 x 121 mm	340 g	+015313	1
3011	Ø 110 mm / 121 x 121 mm	340 g	+032624	1

**HL3000.1** Extension „Klick-Klack“, including water trap  
**HL3000Prblue** Extension „Klick-Klack“, including Primus **blue** trap  
**HL3000FPrblue** Extension, including Primus **blue** trap - flat

**Data**

Material	PE, stainless steel
Extension	Stainless steel frame 121 x 121 mm, extension cuttable in height, stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm, stainless steel V2A
Stench trap	HL3000.1: Water trap HL3000Prblue: Primus <b>blue</b> trap HL3000FPrblue: Primus <b>blue</b> trap „flat“
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL310 and HL510
Including	Supporting frame


**HL3000.1 HL3000Prblue HL3000FPrblue**

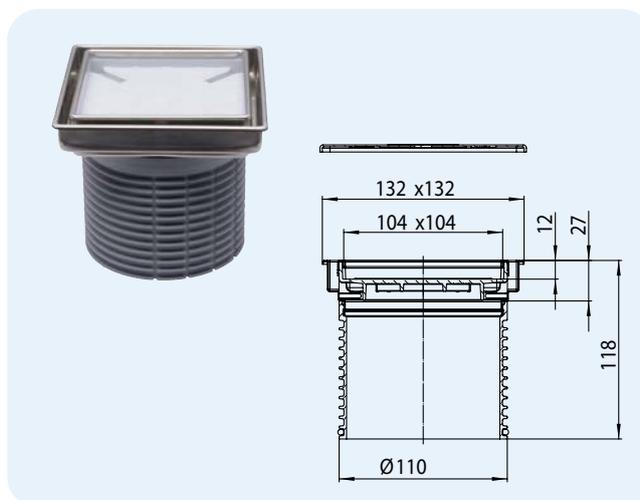
**HL3200**


HL-No.	Dimension	Weight	EAN	Piece/package
3000.1	Ø 110 mm / 121 x 121 mm	425 g	+015337	1
3000Prblue	Ø 110 mm / 121 x 121 mm	482 g	+051977	1
3000FPrblue	Ø 110 mm / 121 x 121 mm	446 g	+050574	1

**HL3020 Tilable extension**
**Data**

Material	PP, stainless steel V4A
Extension	132 x 132 mm with stainless steel frame, cuttable in height
Grate	Stainless steel frame and special grate, to be filled with tiles; Size of grate: 104 x 104 x 12 mm
Load classification	K 3 - max. 300 kg
Recommended for	e.g. tiled showers, SPA-area
Including	Lot cover

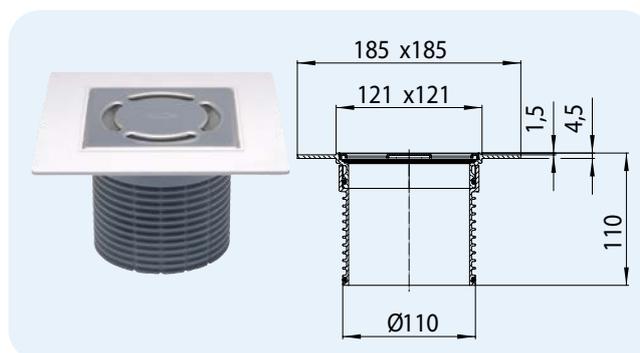
Fits for all drain bodies with higher lot cover HL70K-3020, HL80K-3020, HL90K-3020, HL300K-3020, HL304K-3020, HL310K-3020, HL510K-3020



HL-No.	Dimension	Weight	EAN	Piece/package
3020	Ø 110 mm / 132 x 132 mm	350 g	+034253	1

**HL37NP Extension with PVC frame and collar**
**Data**

Material	PP/PVC, stainless steel V2A
Extension	PVC frame and collar 185 x 185 mm / 121 x 121 mm, Extension cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Load classification	K 3 – max. 300 kg
Recommended for	PVC floor coverings, for gluing PVC coverings directly on the collar, fits to all floor drains of series HL70, HL80, HL300, HL304, HL310, HL510, HL90



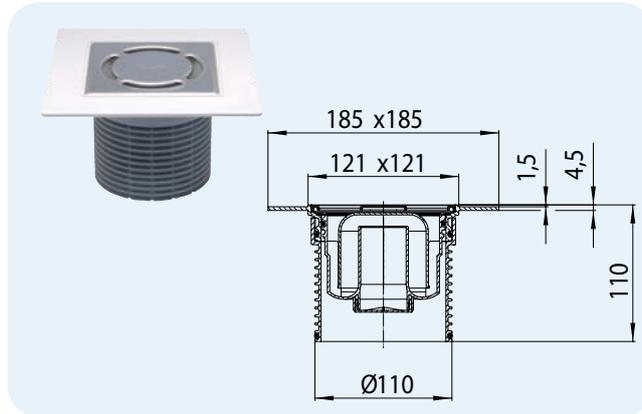
HL-No.	Dimension	Weight	EAN	Piece/package
37NP	Ø 110 mm / 121 x 121 mm	340 g	+022762	1

**HL37NP.1** Extension with PVC collar and frame, including water trap

**HL37PPrblue** Extension with PVC collar and frame, including Primus **blue** trap

**Data**

Material	PP/PVC, stainless steel V2A
Extension	PVC frame and collar 185 x 185 mm / 121 x 121 mm, Extension cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	HL37NP.1: Water trap HL37PPrblue: Primus <b>blue</b> trap
Load classification	K 3 – max. 300 kg
Recommended for	PVC floor coverings, for gluing PVC coverings directly on the collar, fits to all floor drains of series HL310 and HL510



HL-No.	Dimension	Weight	EAN
37NP.1	Ø 110 mm / 121 x 121 mm	342 g	+022805
37PPrblue	Ø 110 mm / 121 x 121 mm	371 g	+052301

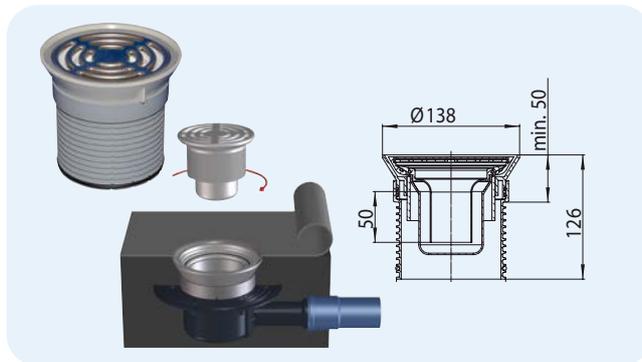
**HL37NP.1** **HL37PPrblue**


Piece/package
1
1

**HL38P** Extension for connection to PVC- and rubber floor coverings

**Data**

Material	PP/ABS, stainless steel V2A
Extension	Plastic frame 138,5mm
Grate	Stainless steel grate V2A 115mm
Trap	Water trap with 50mm water height
Load classification	K 3 – max. 300 kg
Recommended for	clamping of PVC- or rubber floor coverings from 1-4 mm, fits for drain series HL70, HL80, HL300, HL304 HL310 and HL510



HL-No.	Dimension	Weight	EAN
38P	Ø 110 mm / Ø 115 mm	650 g	+036097

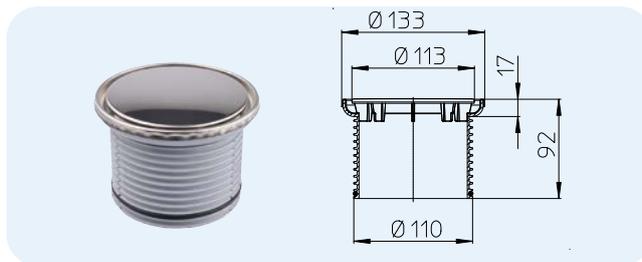


Piece/package
x

**HL38N** Round extension

**Data**

Material	PP, stainless steel V2A
Extension	Stainless steel frame Ø 133 mm, extension cuttable in height
Grate	Stainless steel cover plate Ø 112 mm
Load classification	K 3 – max. 300 kg
Recommended for	tiled showers, fitting to floor drain series HL70, HL80, HL90, HL300, HL304



HL-No.	Dimension	Weight	EAN
38N	Ø 110 mm / Ø 133 mm	160 g	+004362



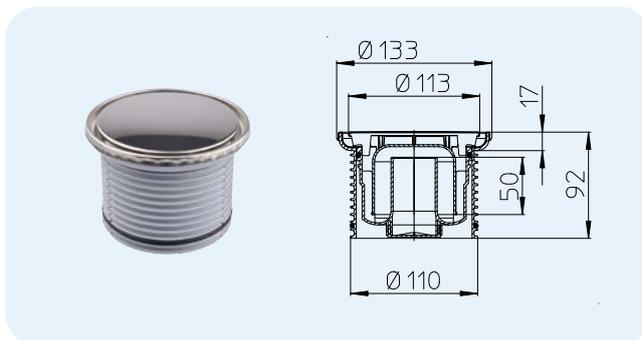
Piece/package
1

**HL38N.1** Round extension with water trap

**HL38Prblue** Round extension with Primus **blue** trap

**Data**

Material	PP, stainless steel V2A
Extension	Stainless steel frame Ø 133 mm, extension cuttable in height
Grate	Stainless steel cover plate Ø 112 mm
Stench trap	HL38N.1: Water trap HL38Prblue: Primus <b>blue</b> trap
Load classification	K 3 – max. 300 kg
Recommended for	tiled showers, fitting to floor drain series HL310 and HL510



HL-No.	Dimension	Weight	EAN
38N.1	Ø 110 mm / Ø 133 mm	435 g	+015498
38Prblue	Ø 110 mm / Ø 133 mm	494 g	+051984

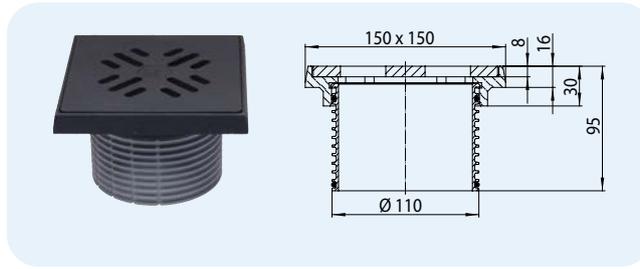
**HL38N.1** **HL38Prblue**


Piece/package
1
1

### HL39G Extension with cast iron frame and grate

#### Data

Material	PP, cast iron
Extension	Cast iron 150 x 150 mm, extension cuttable in height
Grate	Cast iron 137 x 137 mm
Load classification	L15 bzw. A15 – max. 1,5 t
Recommended for	Mastic asphalt, carparks; Drain bodies of series HL70, HL80, HL300, HL304, HL310, HL510, HL90



HL-No.	Dimension	Weight	EAN
39G	Ø 110 mm / 150 x 150 mm	2025 g	+000647

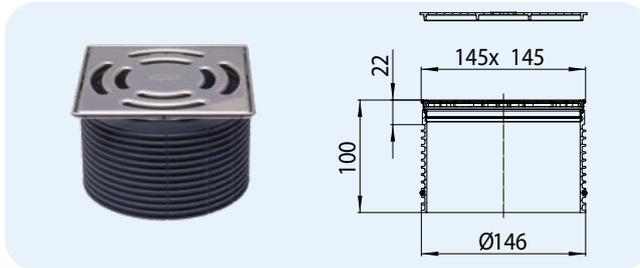


Piece/package
1

### HL3910 Extension for HL3100 and 5100 series

#### Data

Material	PP, stainless steel V2A
Extension	Stainless steel frame V4A 145 x 145 mm, extension cuttable in height
Grate	Stainless steel grate V2A 138 x 138 mm
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL3100 and HL5100
Including	Supporting frame



HL-No.	Dimension	Weight	EAN
3910	Ø 146 mm / 145 x 145 mm	467 g	+025534

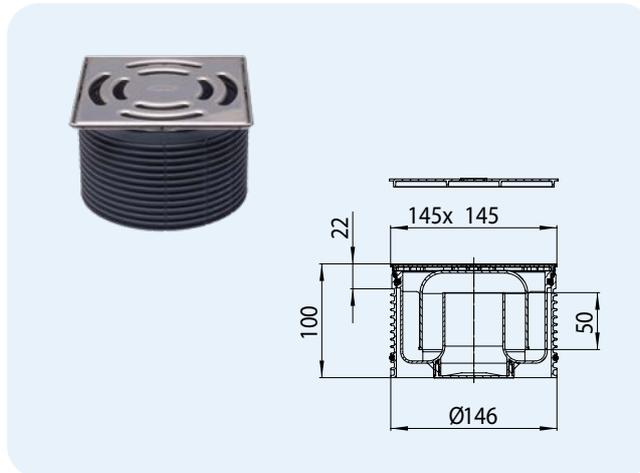


Piece/package
1

### HL3910.1 Extension for series 60 Plus, including water trap HL3910Pr Extension for series 60 Plus, including Primus trap

#### Data

Material	PP, stainless steel
Extension	Stainless steel frame V4A 145 x 145 mm, extension cuttable in height
Grate	Stainless steel grate V2A 138 x 138 mm
Stench trap	HL3910.1: Water trap HL3910Pr: Primus trap
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL3100 and HL5100
Including	Supporting frame



HL-No.	Dimension	Weight	EAN
3910.1	Ø 146 mm / 145 x 145 mm	592 g	+025541
3910Pr	Ø 146 mm / 145 x 145 mm	630 g	+025558

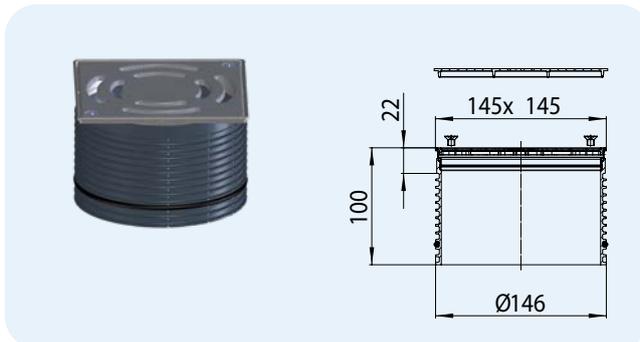


Piece/package
1

### HL3911 Extension for series 60 Plus with screwable grate

#### Data

Material	PP, stainless steel
Extension	Stainless steel frame V4A 145 x 145 mm, extension cuttable in height
Grate	Stainless steel grate V2A 138 x 138 mm
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL3100 and HL5100
Including	Supporting frame



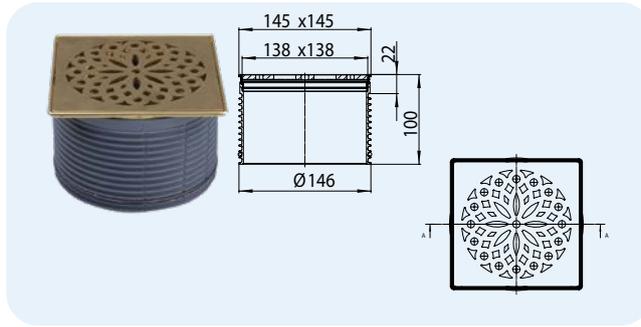
HL-No.	Dimension	Weight	EAN
3911	Ø 146 mm / 145 x 145 mm	470 g	+028252



Piece/package
1

### HL3928 Extension „HAMAM“ for floor drain series HL3100 and HL5100

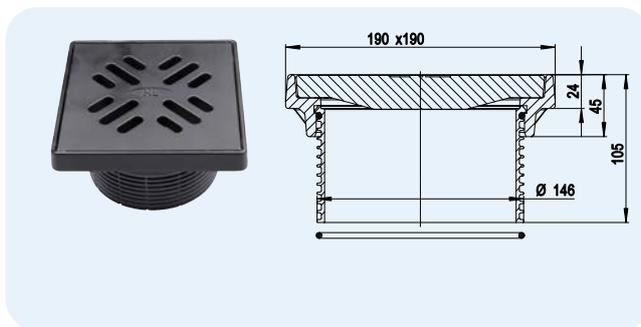
Data	
Material	PP, stainless steel
Extension	Brass plated stainless steel V4A frame 145 x 145mm
Grate	Brass plated stainless steel V2A 138 x 138 mm
Load classification	L 15 - max. 1,5 t
Recommended for	Floor drain series HL3100 and HL5100



HL-No.	Dimension	Weight	EAN	Piece/package
3928	Ø 146 mm / 145 x 145 mm	776 g	+034796	1

### HL3910G Extension cast iron for floor drain series HL3100 and HL5100

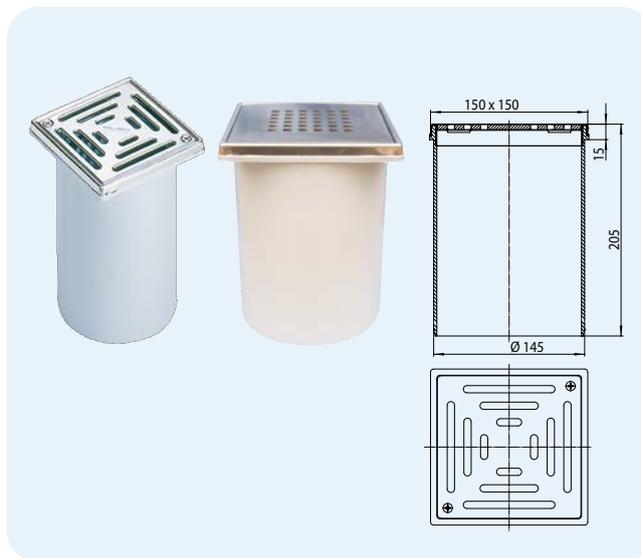
Data	
Material	PP, Cast iron
Extension	Cast iron frame 190 x 190mm, height 45 - 80 mm
Grate	Cast iron grate 175 x 175mm
Load classification	B - 12,5 t
Recommended for	Car parks, warehouses, garbage rooms, mastic asphalt; fits for drain bodies of series HL3100(T) and HL5100(T)



HL-No.	Dimension	Weight	EAN	Piece/package
3910G	Ø 146 mm / 190 x 190 mm	5400 g	+048793	1

### HL66, HL66Q, HL66.1 Extensions with screwable grate

Data	
Material	PP, Stainless steel
Extension	Stainless steel frame V2A, 150 x 150 mm, extension cuttable in height
Grate	HL66 Screwable stainless steel grate V4A 138 x 138 mm HL66Q Design grate V4A 138 x 138 mm „Quadra“ HL66.1 Anti-slip grate V4A 138 x 138 mm, stainless steel, screwable
Load classification	L 15 – max. 1,5 t
Recommended for	Drain bodies of series HL72.1 and HL317



HL-No.	Dimension	Weight	EAN	Piece/package
66	Ø 145 mm / 150 x 150 mm	915 g	+700660	1
66Q	Ø 145 mm / 150 x 150 mm	1070 g	+013609	1
66.1	Ø 145 mm / 150 x 150 mm	1000 g	+702664	1

**HL66.3 Extension with stainless steel grate**

**HL66.4 Extension with plastic grate**

**Data**

Material	HL66.3: PP, Stainless steel V2A HL66.4: PP
Extension	PP-Frame 150 x 150 mm, Extension cuttable in height
Grate	HL66.3: Stainless steel grate 138 x 138 mm HL66.4: Plastic grate 138 x 138 mm
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL72.1 and HL317



**HL66.3**



HL0317.1E

**HL66.4**



HL072.1E



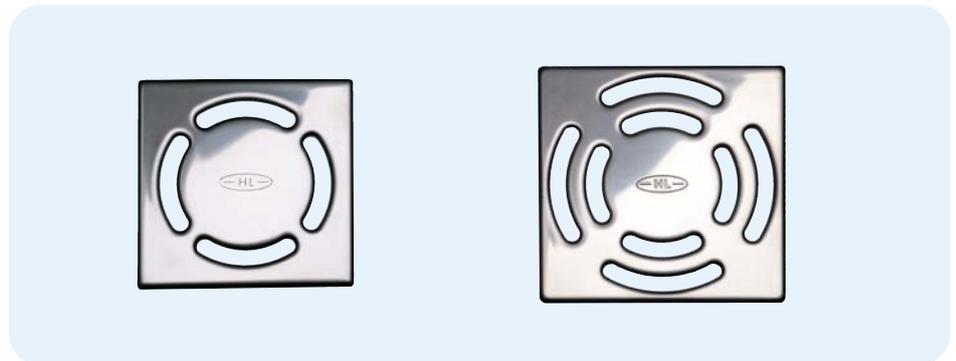
HL0317.2E

HL-No.	Dimension	Weight	EAN	Piece/package
66.3	Ø 145 mm / 150 x 150 mm	352 g	+014545	1
66.4	Ø 145 mm / 150 x 150 mm	238 g	+014569	1

**HL3110, HL03910.3E Stainless steel grate V4A**

**Data**

Material	Stainless steel V4A
Grate	HL3110: Stainless steel grate 115 x 115 mm HL03910.3E: Stainless steel grate 138 x 138 mm
Load classification	K 3 – max. 300 kg
Recommended for	chlorinated sewer, e.g. in swimming pools

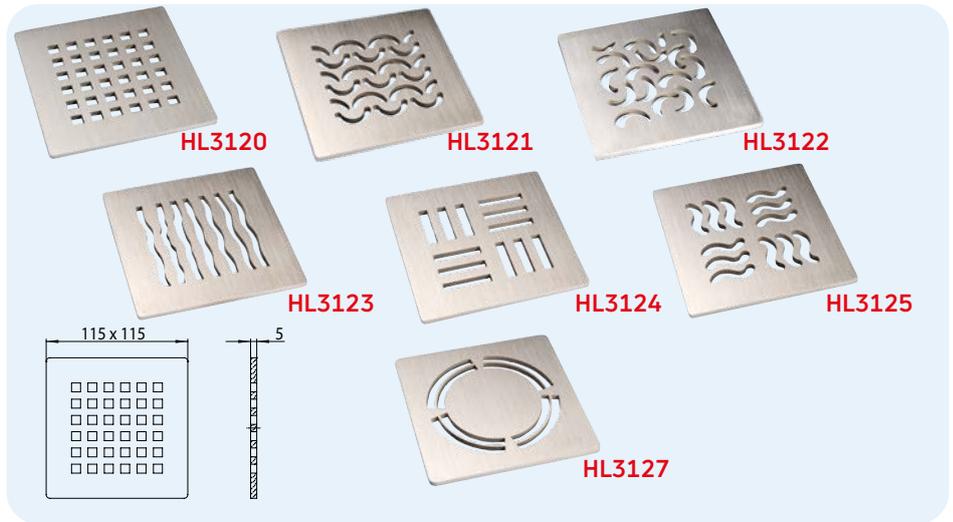


HL-No.	Dimension	Weight	EAN	Piece/package
3110	115 x 115 mm	162 g	+015634	1
03910.3E	138 x 138 mm	255 g	+025916	1

**HL3120, HL3121, HL3122, HL3123, HL3124, HL3125, HL3127 Design grates**

**Data**

Material	Stainless steel V2A
Grate	Stainless steel grate 115 x 115 mm
Load classification	L – max. 1,5 t
Recommended for	Floor drain series HL70, HL80, HL300, HL304, HL310, HL510, HL90 combined with extensions HL3200 or HL3210



HL-No.	Dimension	Weight	EAN	Piece/package
3120	115 x 115 mm	425 g	+015412	1
3121	115 x 115 mm	425 g	+015429	1
3122	115 x 115 mm	425 g	+015443	1
3123	115 x 115 mm	425 g	+015443	1
3124	115 x 115 mm	425 g	+015450	1
3125	115 x 115 mm	425 g	+015467	1
3127	115 x 115 mm	430 g	+029037	1