

SIFONE

HL

ABLÄUFE

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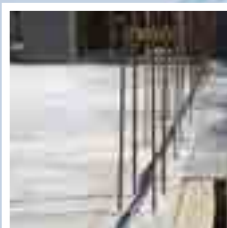


101



HL® Drains

Floor



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.

▲ Capacity:

The test procedure for evaluating the drain capacity for floor drains is made according EN 1253-2:2004 with 20mm 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 equipped 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 218

▲ 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

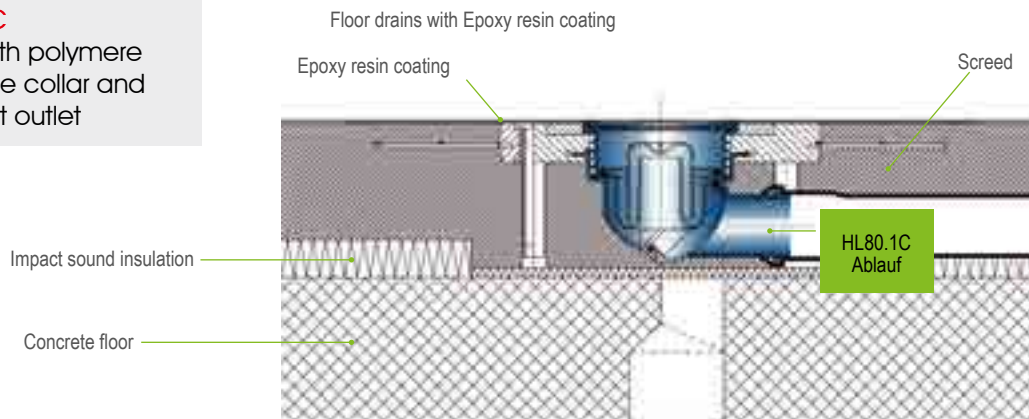
Selection of the convenient drain

Selective criteria	Requirements	Product	
		horizontal outlet	vertical outlet
Capacity	To find the right choice, one has to know, which maximum wastewater quantity should be drained off.	up to 0,4 l/s → HL90PrD up to 0,43 l/s → HL90Pr (-3000) up to 0,5 l/s → Series HL510N, Series HL80.1, Series HL300, HL304 up to 0,8 l/s → 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 HL310NPr up to 0,67 l/s → Series HL310N 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
Existing floor height	At drains with horizontal outlet the floor height is an important criteria. Floor construction concrete floor - top edge of the screed $\geq 70 \text{ mm} \leq 90 \text{ mm}$ $\geq 90 \text{ mm} \leq 110 \text{ mm}$ $\geq 110 \text{ mm} \leq 160 \text{ mm}$ $\geq 160 \text{ mm} \leq 180 \text{ mm}$ $\geq 180 \text{ mm}$ 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.	Height of the drain body: Series HL90 = 62 mm Series HL510N = 79 mm, Series HL80 = 90 mm Series HL5100 = 97 mm Series HL72.1 = 150 mm Series HL70 = 173 mm	Series HL80, HL310N → HL85N Series HL3100 → HL8500 Series HL317 → HL350.1
Waterproofing	The use of a sealing kit, which fits to the on-site waterproofing, is absolutely necessary for a watertight connection. Kind and material of the waterproofing: For under-tile waterproofings, e.g. 2-component-epoxy resins For EPDM-sheetings, based on bitumen, for bitumen coatings and for welding of bitumen sheetings	Series HL70, HL80, HL90, HL300, HL310N, HL510N → HL83.M Series HL72.1 and HL317 → HL84.M Series HL3100 and HL5100 → HL8300.M Series HL70, HL80, HL90, HL300, HL310N, HL510N → HL83 Series HL72.1 and HL317 → HL84 Series HL3100 and HL5100 → HL8300	

HL® Floor drains – Sectional drawings

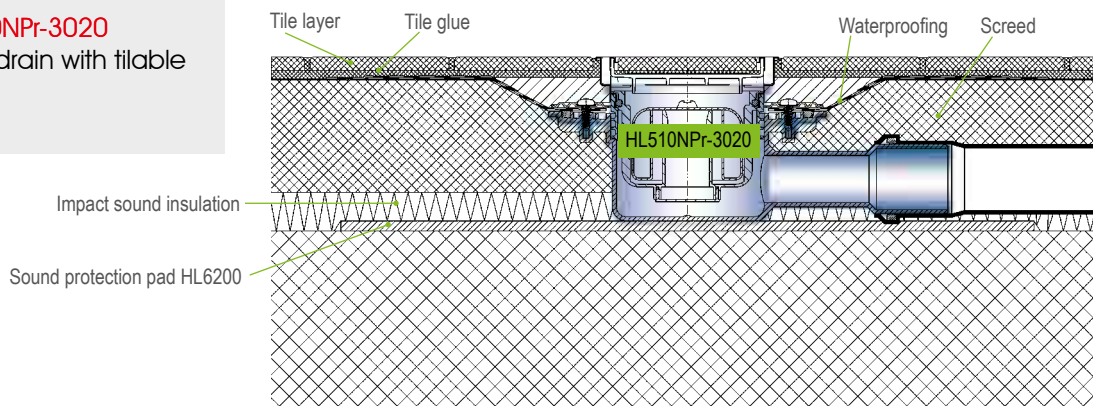
HL80.1C

Drain with polymere concrete collar and ball-joint outlet



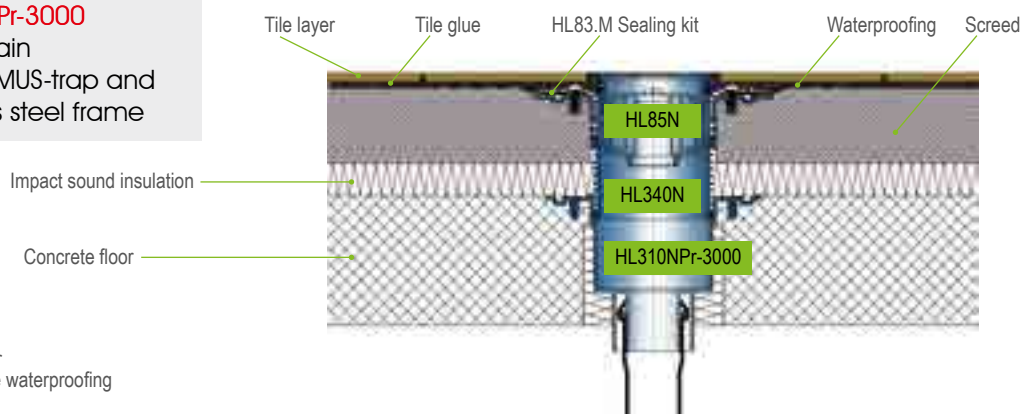
HL510NPr-3020

Floor drain with tilable grate



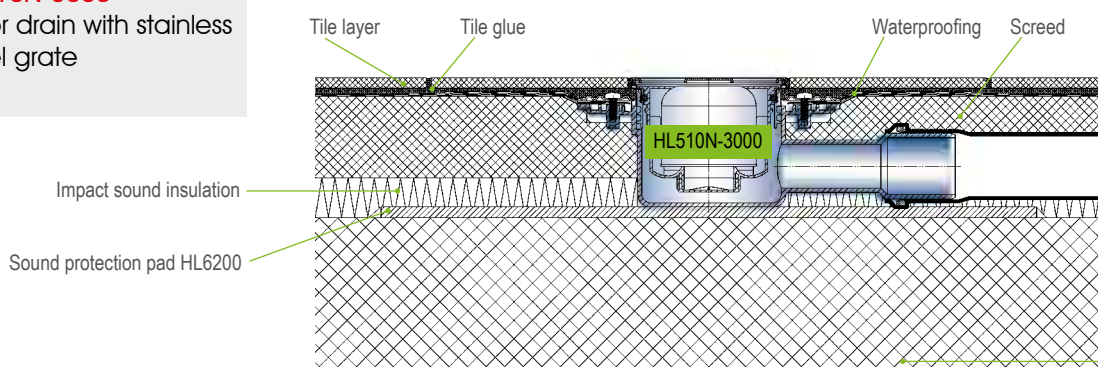
HL310NPr-3000

Floor drain with PRIMUS-trap and stainless steel frame



HL510N-3000

Floor drain with stainless steel grate



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



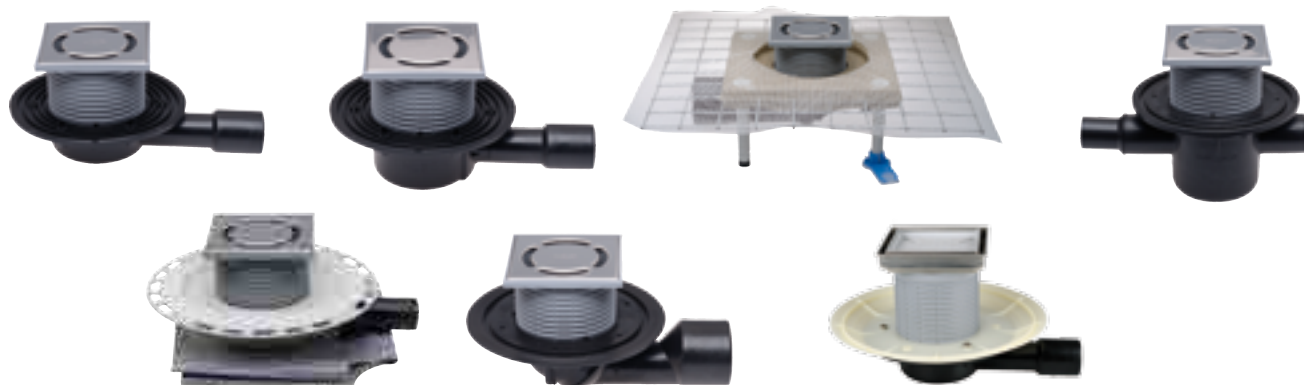
11. Cut the extension



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

HL® Floor drains – Products – Overview

Drains



Product	HL90Pr	HL90PrD	HL510N(Pr)	HL80.1	HL80.1C	HL90Pr-3020	HL300
Description	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
Function	Extremely flat, for flat floor constructions with PRIMUS trap	Especially for under-tile waterproofings, with PRIMUS trap	Standard drain, flat, also available with PRIMUS trap	For horizontal and vertical connection	Especially for epoxy resin floor surfaces	Extreme flat with tilable grate and PRIMUS 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
Description	Extension	Extension	Extension	Extension with flange	Extension with flange
Function	For elongating the extension, fits to drains of series HL90, HL510N, HL80, HL300, HL70, HL310N, 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, HL510N, HL80, HL300, HL70, HL310N, HL304	For the adjustment of the drain to the waterproofing level, fits to drains of series HL3100 and HL5100

HL® Floor drains – Products – Overview

**HL510N(Pr)-3020**

Drain horizontal
DN40/50

Standard drain with
tilable extension and
optional PRIMUS trap

HL5100(Pr)

Floor drain horizontal
DN50/75, high capacity

For high capacity
reasons, also available
with PRIMUS trap

HL310N(Pr)-3020

Drain vertikal DN50/75/110

With tilable grate and
optional PRIMUS trap

HL72.1N

Floor drain horizontal
DN75/110, high
capacity

For high capacity
reasons

HL310N(Pr)

Floor drain vertical
DN50/75/110

For outlet pipes
below the concrete
floor, also available
with PRIMUS trap

HL3100(Pr)

Ablauf senkrecht
DN50/75/110

For outlet pipes below
the concrete floor, with
high capacity, also
available with PRIMUS
trap

HL317

Floor drain vertical
DN50/75/110/160

For outlet pipes below
the concrete floor, with
high capacity.

**HL350.1(O)**

Extension with
Sealing flange

To adjust the drain to the waterproofing level,
fitting to floor drain series HL72.1 and HL317

HL350.1H

Extension with bitumen flange

To adjust the drain to the level of
under-tile waterproofings, fitting to floor
drain series HL72.1 and HL317

HL85NC

Extension with polymere concrete collar

For height adjustment of the drain to
liquid waterproofings, fits to drain series
HL90, HL510N, HL80, HL300, HL70, HL310N
and HL304

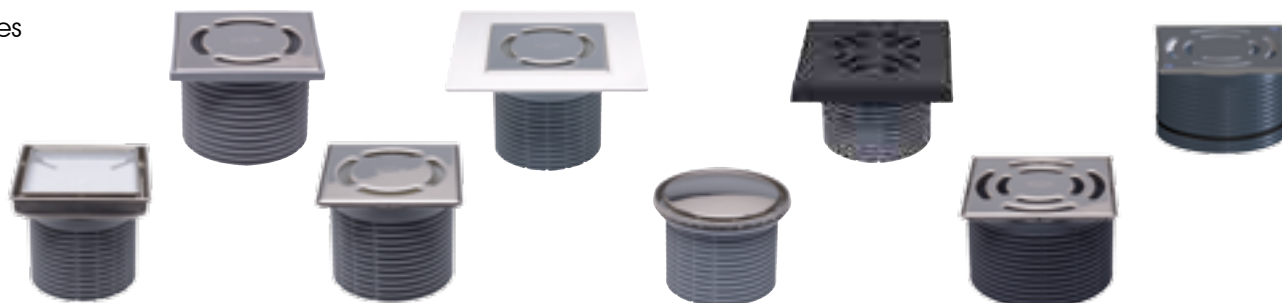
HL3200

Extension with stainless steel frame and
grate

To change from standard extension to ex-
tension with stainless steel frame, e.g. when
you use „design“-grates. Fitting to floor drain
series HL90, HL510N, HL80, HL300, HL70,
HL310N, HL304

HL® Floor drains – Products – Overview

Accessories

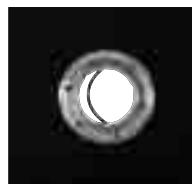


Product	HL3020	HL37N	HL3000	HL37NP	HL38N	HL39G	HL3910	HL3911
Description	Tilable extension	Standard extension	Extension „Klick-Klack“	Extension with PVC-collar	Round extension	Cast iron extension	Extension „Klick-Klack“	Extension „Klick-Klack“ with screwable grate
Function	Extension fits to drain bodies HL70K-3020, HL80K-3020, HL90K-3020, HL300K-3020, HL304K-3020, HL310NK-3020 and HL510NK-3020	Standard extension, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Standard extension with stainless steel frame, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	To connect PVC floor coverings, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Extension with round cover plate, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Usage with high load or to connect hot bitumen floor coverings, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Standard extension, fitting to floor drain series HL3100 and HL5100	Standard extension, fitting to floor drain series HL3100 and HL5100

Sealing kits

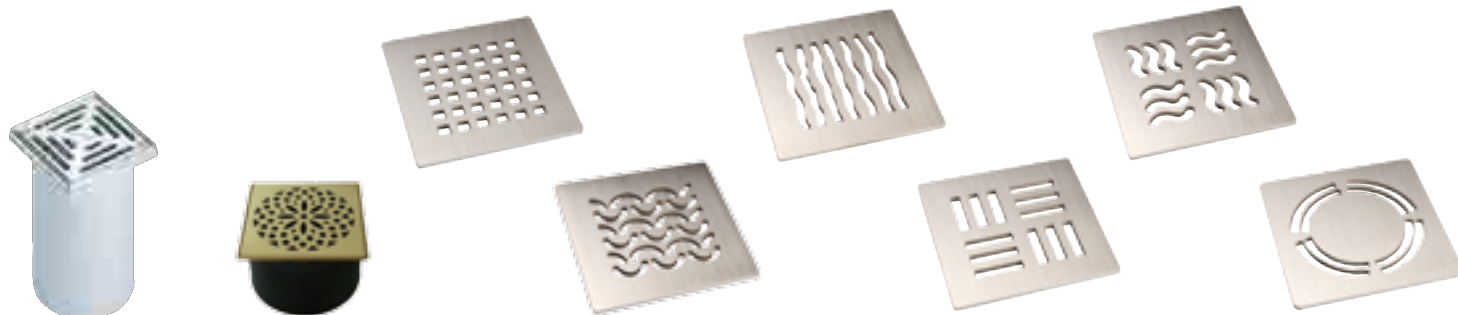


Product data see chapter sealing kits / extensions



Product	HL83.0	HL83	HL83.M	HL83.H	HL8300.0
Description	Sealing kit without sheeting	Sealing kit with EPDM sheeting	Sealing kit with textile coated membrane	Sealing kit with bitumen collar	Sealing kit without sheeting
Function	For clamping of on-site sheetings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310N, HL510N	For bitumen coatings and EPDM sheetings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310N, HL510N	For under-tile waterproofings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310N, HL510N	For bitumen based water-proofings or coatings, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310N, HL510N	For clamping of on-site sheetings, fitting to floor drain series HL3100 and HL5100

HL® Floor drains – Products – Overview



HL66(Q)	HL3928	HL3120	HL3121	HL3123	HL3124	HL3125	HL3127
Extension	Extension with design-grate „Hamam“	Design-grate „Quadra“	Design-grate „Seine“	Design-grate „Orinoco“	Design-grate „Nil“	Design-grate „Yukon“	Design-grate „Primus Design“
Stainless steel grate with high request on design and stability, fitting to floor drain series HL72.1 and HL317	Extension for floor drain with golden frame and grate, design „Hamam“. Fits to floor drain series HL5100 and HL3100.	Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304	Stainless steel grate with high request on design and stability, fitting to floor drain series HL90, HL510N, HL80, HL300, HL70, HL310N, HL304



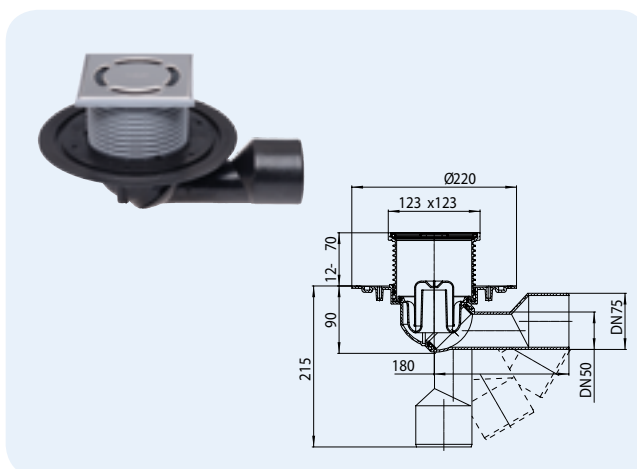
HL8300	HL8300.M	HL8300.H	HL84.0	HL84	HL84.M
Sealing kit with EPDM sheeting	Sealing kit with textile coated membrane	Sealing kit with bitumen collar	Sealing kit without sheeting	Sealing kit with EPDM sheeting	Sealing kit with textile coated membrane
For bitumen coatings and EPDM sheetings, fitting to floor drain series HL3100 and HL5100	For under-tile waterproofings, fitting to floor drain series HL3100 and HL5100	For bitumen based waterproofings or coatings, fitting to floor drain series HL3100 and HL5100	For clamping of on-site sheetings, fitting to floor drain series HL317 and HL72.1	For bitumen coatings and EPDM sheetings, fitting to floor drain series HL317 and HL72.1	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, DIN 19535, 19560
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



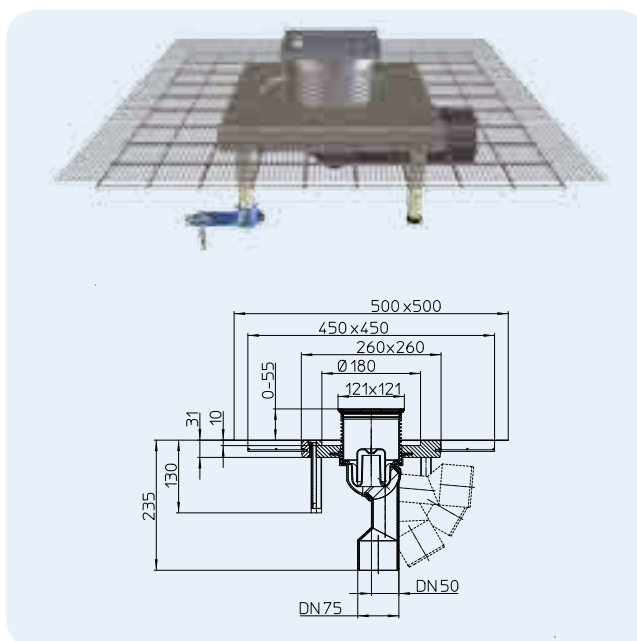
HL-No. 80.1	Dimension DN50/75	Weight 625 g	EAN +700813
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HL80.1 C Floor drain with polymere concrete collar

Data

Capacity	0,5 l/s
Material	PP,PE, polymere concrete collar, stainless steel V2A
Outlet	DN50/75 adjustable in length, convertable 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, DIN 19535, 19560
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

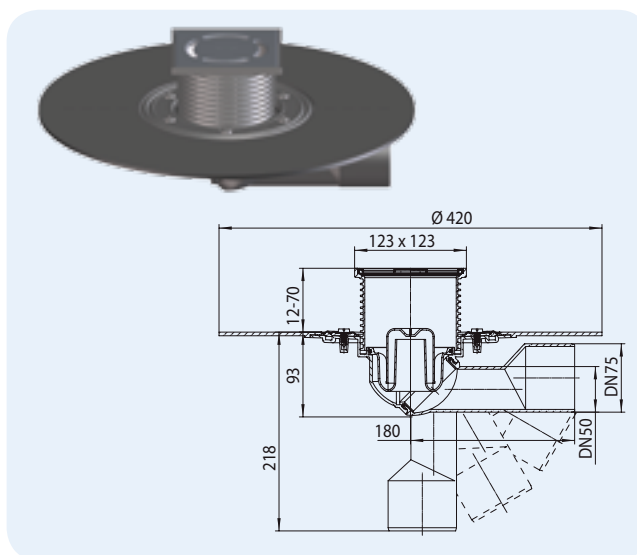


HL-No.	Dimension	Weight	EAN
80.1C	DN50/75	6100 g	+050802



HL80.1H Floor drain with bitumen collar**Data**

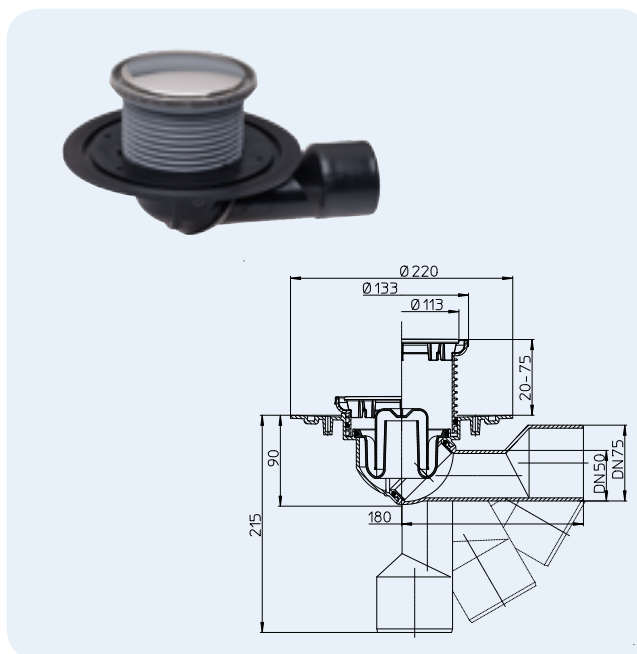
Capacity	0,5 l/s
Material	PP, PE, premounted bitumene membrane, stainless steel V2A
Outlet	DN50/75 adjustable in length, convertible from horizontal to vertical, connector pluggable and weldable
Extension	123 x 123 mm, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253, DIN 19535, 19560
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.	Dimension	Weight	EAN	Piece/package
80.1H	DN50/75	1195 g	+701810	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, DIN 19535, 19560
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

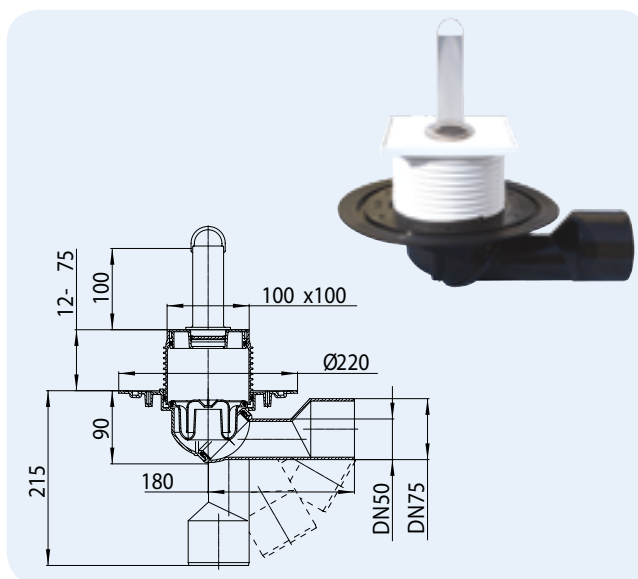


HL-No.	Dimension	Weight	EAN	Piece/package
80.1R	DN50/75	650 g	+004591	1

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	DIN 19535, 19560
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.
80.2

Dimension
DN50/75

Weight
535 g

EAN
+700820

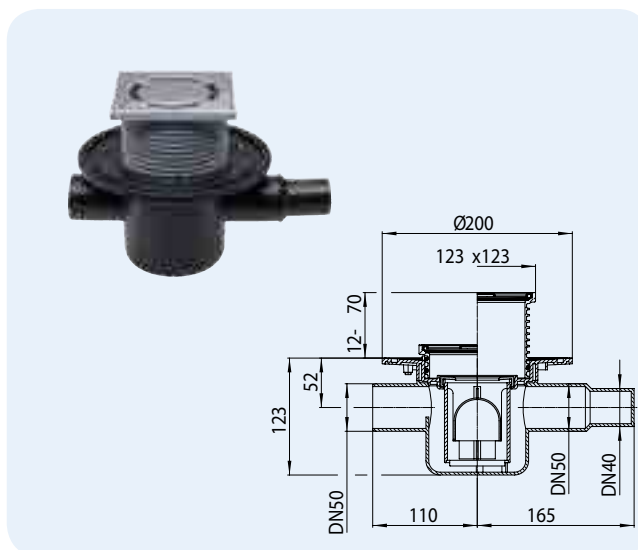
Piece/package
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HL300 Floor drain with side inlet and backwater protector

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, DIN 19535, 19560
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.
300

Dimension
DN50

Weight
935 g

EAN
+703005

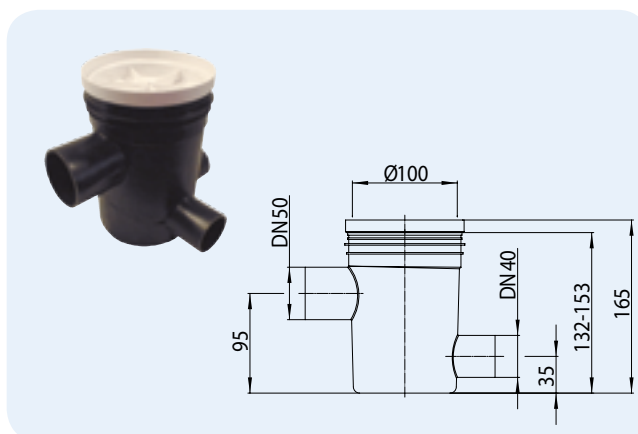
Piece/package
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HL303K Floor drain body with 3 side inlets

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 50 mm
Recommended for	Central drainage and siphoning for the whole bathroom
Additional information	no connection to the waterproofing
Including	Lot cover



HL-No.
303K

Dimension
DN50

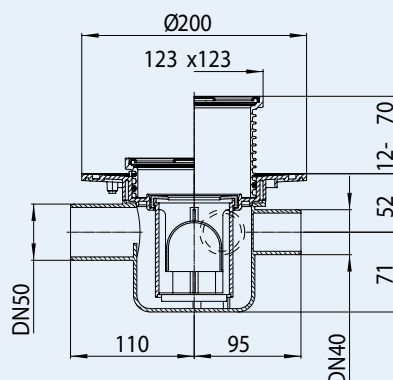
Weight
230 g

EAN
+703036

Piece/package
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, DIN 19535, 19560
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

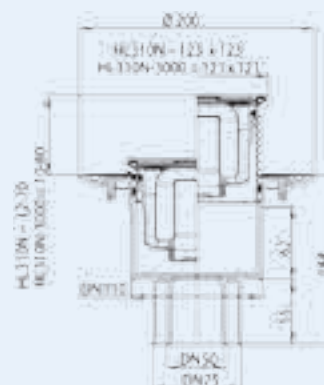
HL0300.0EN

HL0300.6E

HL304K

HL-No.
304Dimension
DN50Weight
795 gEAN
+703043Piece/package
1**HL310N** Floor drain**HL310N-3000** Floor drain like HL310N, but with stainless steel frame**Data**

Capacity	0,67 l/s
Material	PE, stainless steel V2A
Outlet	DN50/75/110, vertical pluggable and weldable
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, DIN 19535, 19560
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

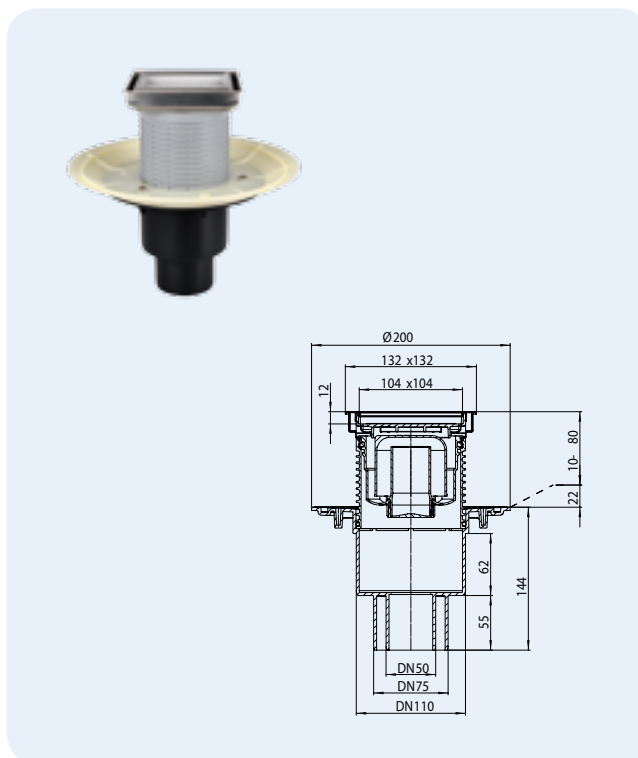
HL310NK

HL-No.
310N
310N-3000Dimension
DN50/75/110
DN50/75/110Weight
690 g
735 gEAN
+004638
+016327Piece/package
1
1

HL310N-3020 Floor drain with tilable extension
HL310NPr-3020 like HL310N-3020, but with PRIMUS trap

Data

Capacity	HL310N-3020: 0,67 l/s HL310NPr-3020: 0,5 l/s
Material	PP,PE,ABS, stainless steel V4A
Outlet	DN50/75/110, pluggable and weldable
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 HL310NPr-3020: PRIMUS trap with 50mm seal water
Standard	EN 1253, Önorm B2501, DIN19535, 19560
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



HL310N-3020 **HL310NPr-3020**

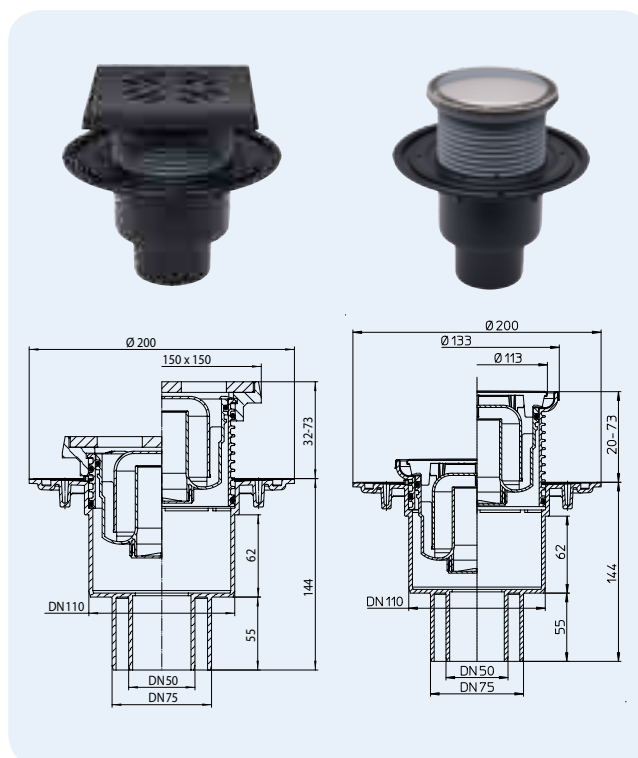


HL-No.	Dimension	Weight	EAN	Piece/package
310N-3020	DN50/75/110	740 g	+034383	1
310NPr-3020	DN50/75/110	765 g	+034390	1

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

Data

Capacity	0,67 l/s
Material	PE, cast iron/PP, stainless steel V2A
Outlet	DN50/75/110, vertical, pluggable and weldable
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, DIN 19535, 19560
Load classification	HL310NG: L15 – max. 1,5 t HL310NR: K 3 – max. 300 kg
Recommended for	HL310NG: e.g. car parks, mastic asphalt HL310NR: barrier-free showers
Additional information	temperature-resistant up to 85 °C
Including	Lot cover



HL310NG **HL310NR**

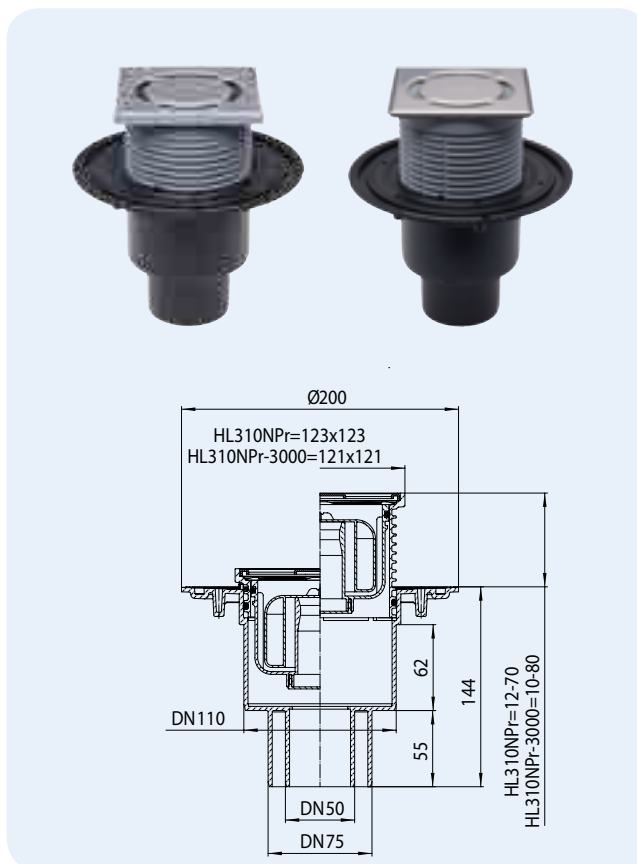


HL-No.	Dimension	Weight	EAN	Piece/package
310NG	DN50/75/110	2365 g	+004652	1
310NR	DN50/75/110	630 g	+006038	1

HL310NPr Floor drain with PRIMUS trap
HL310NPr-3000 like HL310NPr, but with stainless steel frame

Data

Capacity	0,5 l/s
Material	PE
Outlet	DN50/75/110, vertical, pluggable and weldable
Extension	HL310NPr: 123 x 123 mm, cuttable in height HL310NPr-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 PRIMUS (No stench, with or without water)
Standard	EN 1253, ÖNorm B2501, DIN 19535, 19560
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



HL-No.	Dimension	Weight	EAN
310NPr	DN50/75/110	700 g	+004676
310NPr-3000	DN50/75/110	760 g	+016440

HL310NPr

HL310NPr-3000



HL310NK

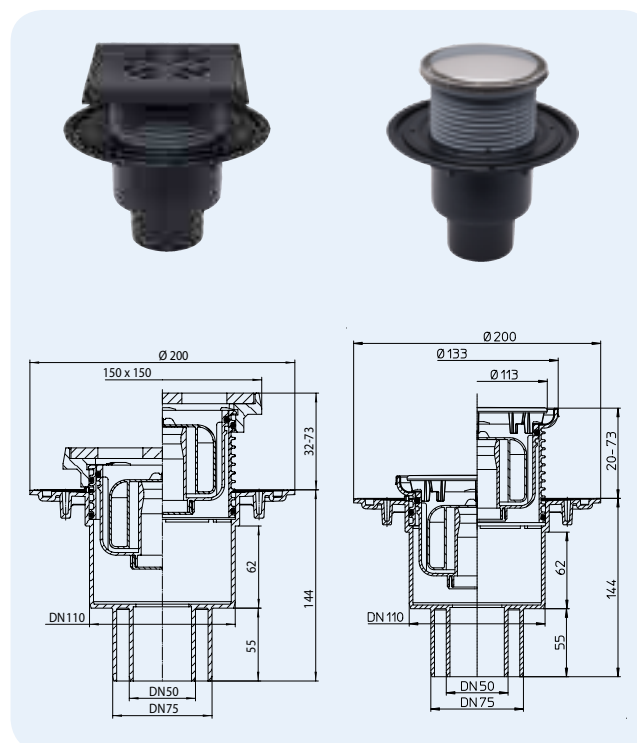
Piece/package
1
1

HL310NPrG Floor drain like HL310NG, but with PRIMUS trap

HL310NPrR Floor drain like HL310NR, but with PRIMUS trap

Data

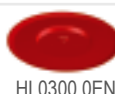
Capacity	0,5 l/s
Material	PE, cast iron/PP, stainless steel V2A
Outlet	DN50/75/110, vertical, pluggable and weldable
Extension	HL310NPrG: 150 x 150 mm, cuttable in height HL310NPrR: Ø 133 mm, cuttable in height
Grate	HL310NPrG: 137 x 137 mm, Cast iron HL310NPrR: Ø 112 mm, Stainless steel
Stench trap	Height of seal water 50 mm u. PRIMUS (No stench, with or without water)
Standard	EN 1253, ÖNorm B2501, DIN 19535, 19560
Load classification	HL310NG: L15 – max. 1,5 t HL310NR: K 3 – max. 300 kg
Recommended for	HL310NPrG: e.g. car parks, mastic asphalt HL310NPrR: 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



HL-No.	Dimension	Weight	EAN
310NPrG	DN50/75/110	2365 g	+004690
310NPrR	DN50/75/110	590 g	+006052

HL310NPrG

HL310NPrR



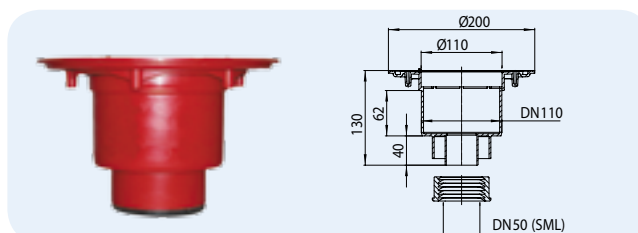
HL310NK

Piece/package
1
1

HL310NKSML/50 Floor drain body

Data

Capacity	> 0,5 l/s
Material	PE
Outlet	DN50 SML
Recommended for	direct connection to SML-pipes DN50
Additional information	temperature-resistant up to 85 °C
Including	Lot cover



HL-No.	Dimension	Weight	EAN
310NKSML/50	DN50 SML	320 g	+022878

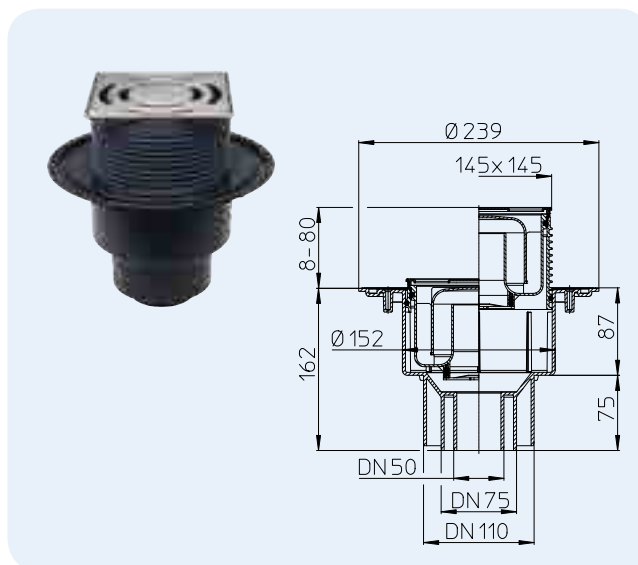


Piece/package
1

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, DIN 19535, 19560
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.	Dimension	Weight	EAN
3100	DN50/75/110	1040 g	+025428

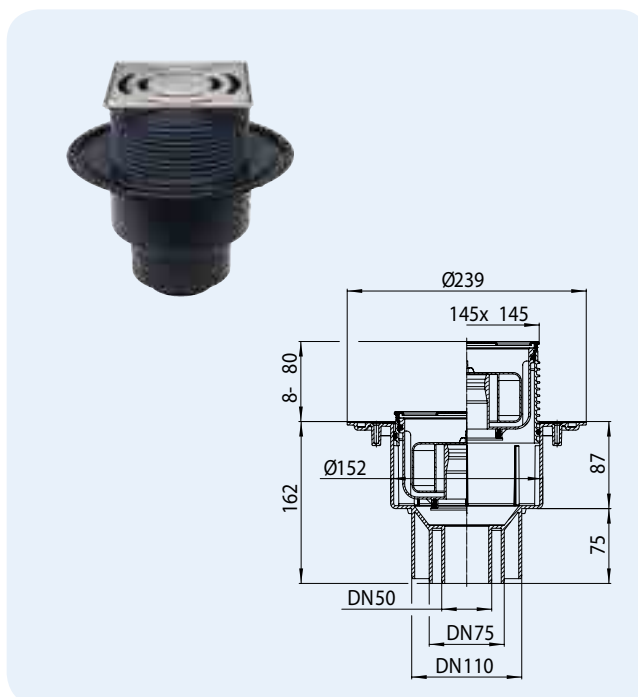


Piece/package
1

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, DIN 19535, 19560
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.	Dimension	Weight	EAN
3100Pr	DN50/75/110	1079 g	+025435

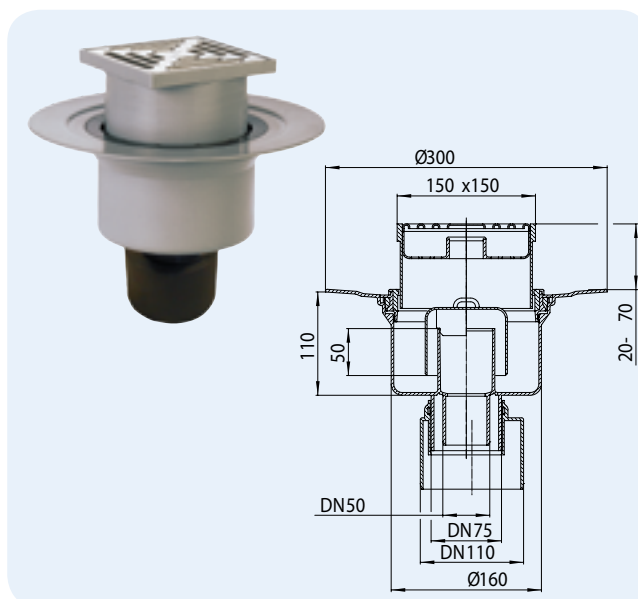


Piece/package
1

HL317 Floor drain vertical

Data

Capacity	1,8 l/s
Material	PP, stainless steel V2A
Outlet	DN50/75/110, vertical
Extension	147 x 147 mm, cuttable in height
Grate	Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253, DIN 19560
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

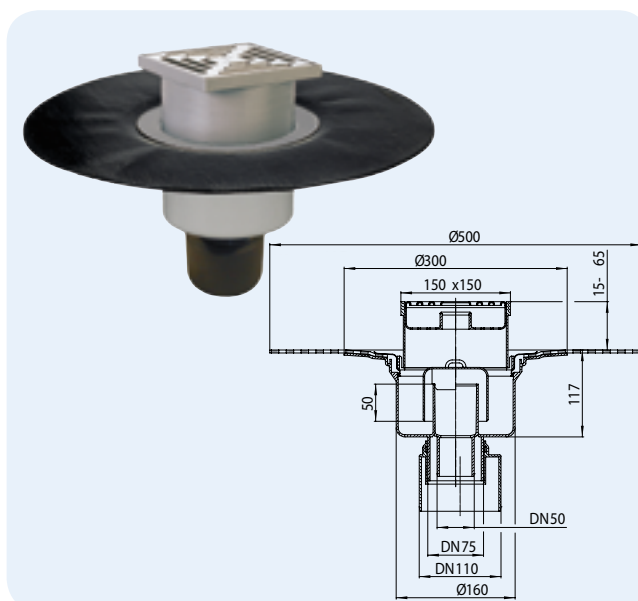


HL-No. 317	Dimension DN50/75/110	Weight 1200 g	EAN +703173	Piece/package 1
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HL317H Floor drain vertical with bitumen collar

Data

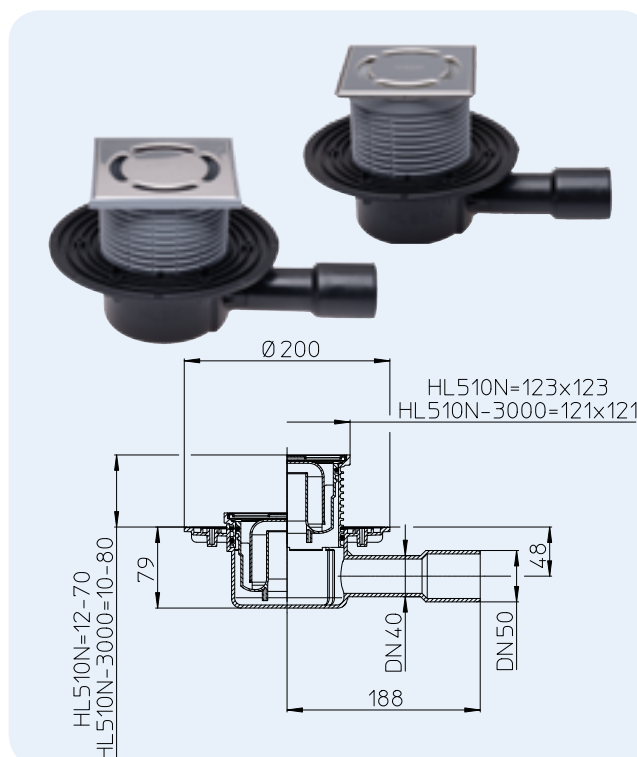
Capacity	1,8 l/s
Material	PP, stainless steel V2A
Outlet	DN50/75/110 vertical
Extension	147 x 147 mm, cuttable in height
Grate	Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253, DIN 19560
Load classification	K 3 – max. 300 kg
Recommended for	Floor drain with high 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
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HL510N Floor drain**HL510N-3000** Floor drain like HL510N, but with stainless steel frame**Data**

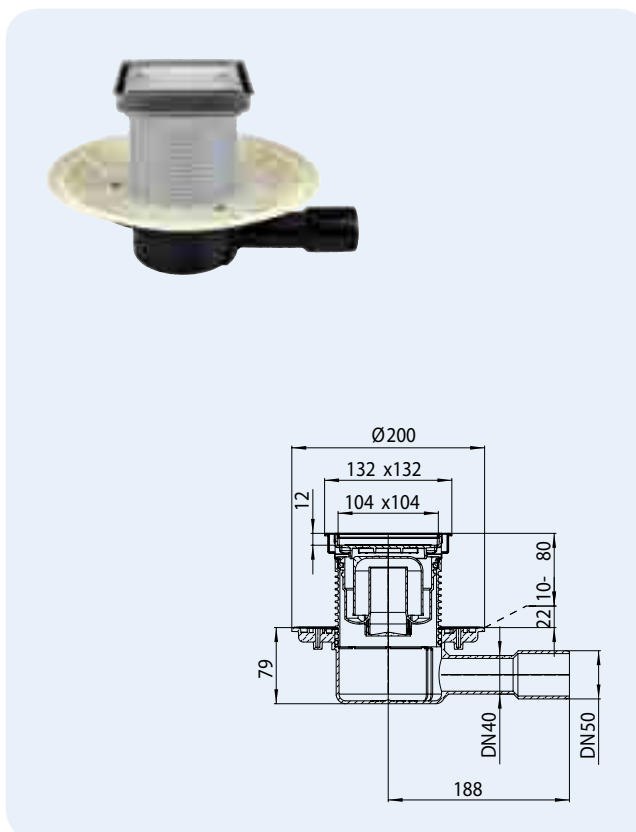
Capacity	0,55l/s with 20mm stowage height 0,40l/s with 10mm stowage height
Material	PE, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
Extension	HL510N: 123 x 123 mm, cuttable in height HL510N-3000: 121 x 121 mm, „Klick-Klack-fixing system”, cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	Height of seal water 50 mm
Standard	EN 1253, DIN 19535, 19560
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).
Including	Supporting frame, lot cover

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

HL-No.	Dimension	Weight	EAN	Piece/package
510N	DN40/50	590 g	+051007	1
510N-3000	DN40/50	725 g	+016686	1

HL510N-3020 Floor drain with frame for tiles**HL510NPr-3020** Like HL510N-3020, but with PRIMUS trap**Data**

Capacity	HL510N-3020: 0,50l/s with 20mm stowage height 0,45l/s with 10mm stowage height HL510NPr-3020: 0,45l/s with 20mm stowage height 0,40l/s with 10mm stowage height
Material	PP, PE, ABS, stainless steel V4A
Outlet	DN40/50 horizontal, pluggable and weldable
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 50mm HL510NPr-3020: PRIMUS trap with 50mm seal water
Standard	EN 1253, Önorm B2501, DIN19535, 19560
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)
Including	Lot cover

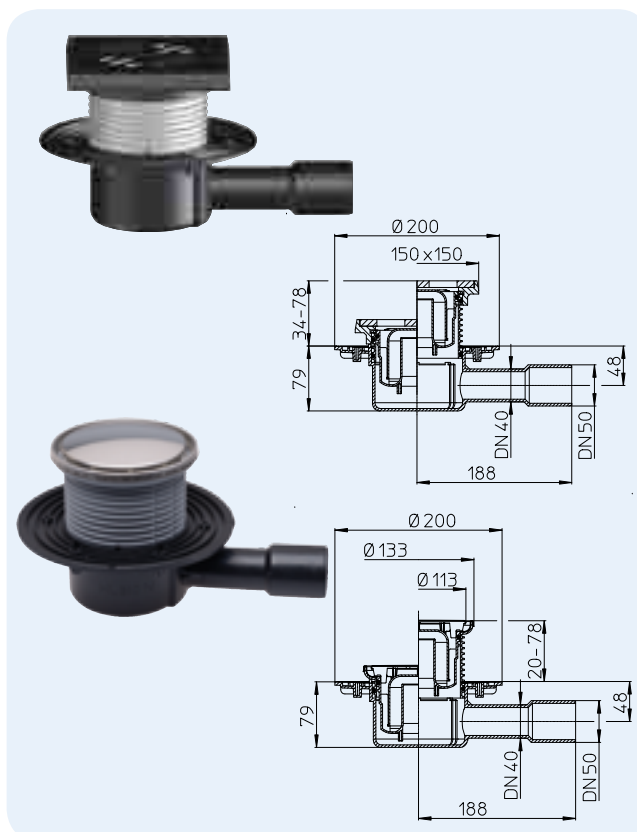
**HL510N-3020****HL510NPr-3020**

HL-No.	Dimension	Weight	EAN	Piece/package
510N-3020	DN40/50	730 g	+034406	1
510NPr-3020	DN40/50	750 g	+034413	1

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

Data

Capacity	0,55 l/s
Material	PE, cast iron/PP, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
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, DIN 19535, 19560
Load classification	HL510NG: L15 – max. 1,5 t HL510NR: K 3 – max. 300 kg
Recommended for	HL510NG: e.g. carpark, mastic asphalt HL510NR: barrier-free showers
Additional information	temperature-resistant up to 85 °C
Including	Lot cover



HL510NG HL510NR



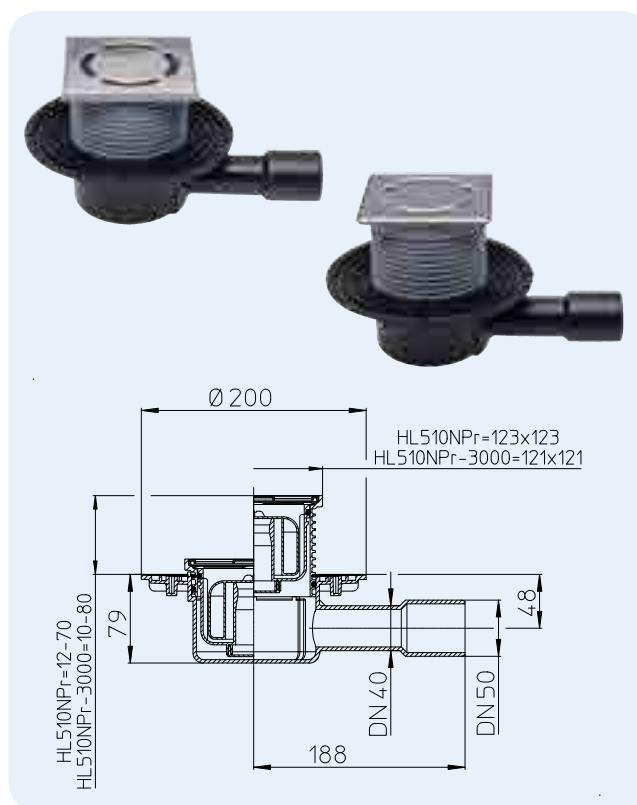
HL510NK

HL-No.	Dimension	Weight	EAN	Piece/package
510NG	DN40/50	2265 g	+001965	1
510NR	DN40/50	590 g	+006076	1

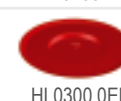
HL510NPr Floor drain with PRIMUS trap
HL510NPr-3000 like HL510NPr, but with stainless steel frame

Data

Capacity	0,50l/s with 20mm storage height 0,35l/s with 10mm storage height
Material	PE, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
Extension	HL510NPr: 123 x 123 mm, cuttable in height HL510NPr-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 PRIMUS (No stench, with or without water)
Standard	EN 1253, ÖNorm B2501, DIN 19535, 19560
Load classification	K 3 – max. 300 kg
Recommended for	Floor drainage with horizontal 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! Sound protection acc. ÖNorm B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories).
Including	Supporting frame, lot cover



HL510NPr HL510NPr-3000



HL510NK

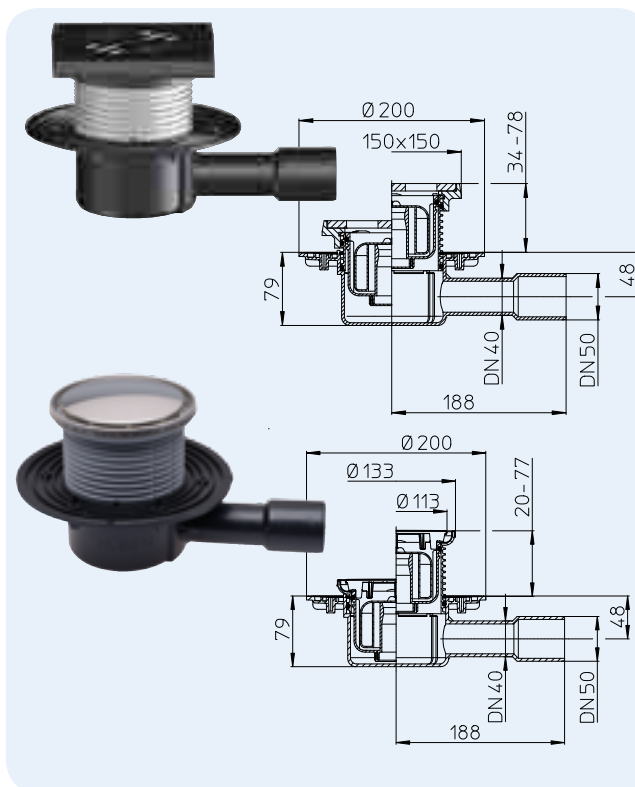
HL-No.	Dimension	Weight	EAN	Piece/package
510NPr	DN40/50	690 g	+004737	1
510NPr-3000	DN40/50	744 g	+016563	1

HL510NPrG Floor drain like HL510NPr, but with cast iron frame and grate

HL510NPrR like HL510NPrG, but with round stainless steel cover plate

Data

Capacity	0,5 l/s
Material	PE, cast iron/PP, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
Extension	HL510NPrG: 150 x 150 mm, cuttable in height HL510NPrR: Ø 133 mm, cuttable in height
Grate	HL510NPrG: 137 x 137 mm, cuttable in height HL510NPrR: Ø 112 mm, cuttable in height
Stench trap	Height of seal water 50 mm and PRIMUS (No stench, with or without water)
Standard	EN 1253, ÖNorm B2501, DIN 19535, 19560
Load classification	HL510NPrG: L15 – max. 1,5 t HL510NPrR: K 3 – max. 300 kg
Recommended for	HL510NPrG: e.g. carpark, mastic asphalt HL510NPrR: 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! Sound protection acc. ÖNorm B8115-2 is reached together with HL6200 sound insulation pad (see chapter accessories).
Including	Lot cover



HL-No.	Dimension
510NPrG	DN40/50
510NPrR	DN40/50

Weight
2440 g
690 g

EAN
+004713
+006113

Piece/package
1
1

HL510NPrG

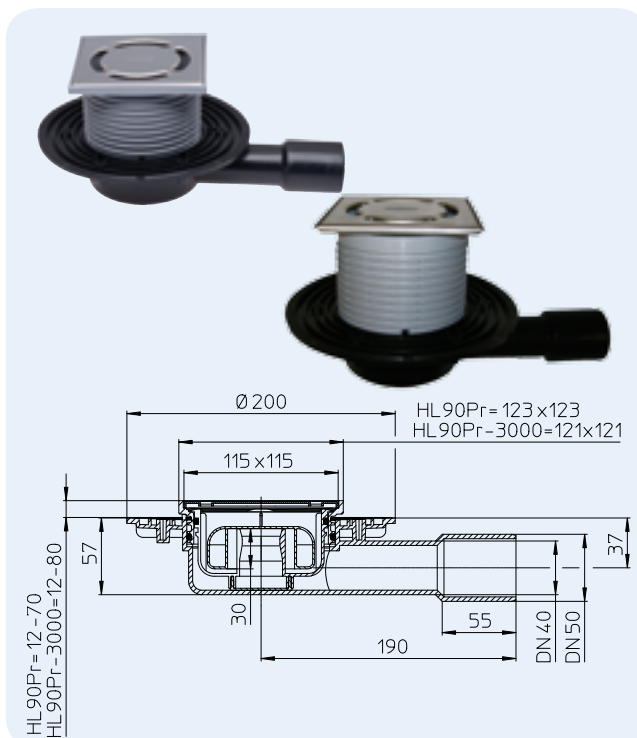
HL510NPrR


HL90Pr Floor drain flat with PRIMUS trap

HL90Pr-3000 like HL90Pr, but with stainless steel frame

Data

Capacity	0,43 l/s
Material	PE, cast iron/PE, stainless steel V2A
Outlet	DN40/50, horizontal, pluggable and weldable
Extension	HL90Pr: 123 x 123 mm, cuttable in height HL90Pr-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 30 mm and PRIMUS (No stench, with or without water)
Standard	ÖNorm B2501, DIN 19535, 19560
Load classification	K 3 – max. 300 kg
Recommended for	Floor constructions < 100 mm
Additional information	Floor drainage especially at unfrequent 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).
Including	Supporting frame, lot cover



HL-No.	Dimension
90Pr	DN40/50
90Pr-3000	DN40/50

Weight
510 g
564 g

EAN
+028214
+028535

Piece/package
1
1

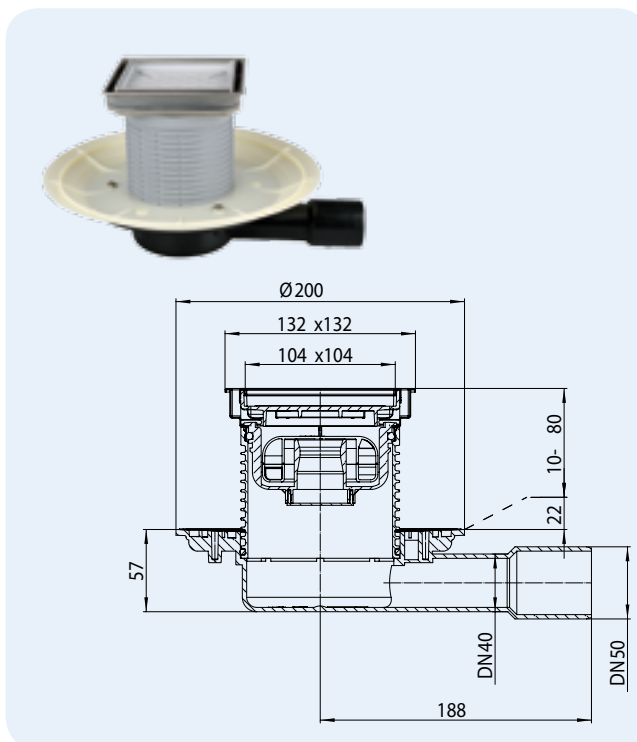
HL90Pr

HL90Pr-3000



HL90Pr-3020 Floor drain with tilable extension and PRIMUS trap**Data**

Capacity	0,43l/s with 20mm stowage height 0,40l/s with 10mm stowage height
Material	PP,PE,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
Stench trap	PRIMUS trap with 30mm seal water
Standard	Önorm B2501, DIN19535, 19560
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)
Including	Lot cover


 HL-No.
HL90Pr-3020

 Dimension
DN40/50

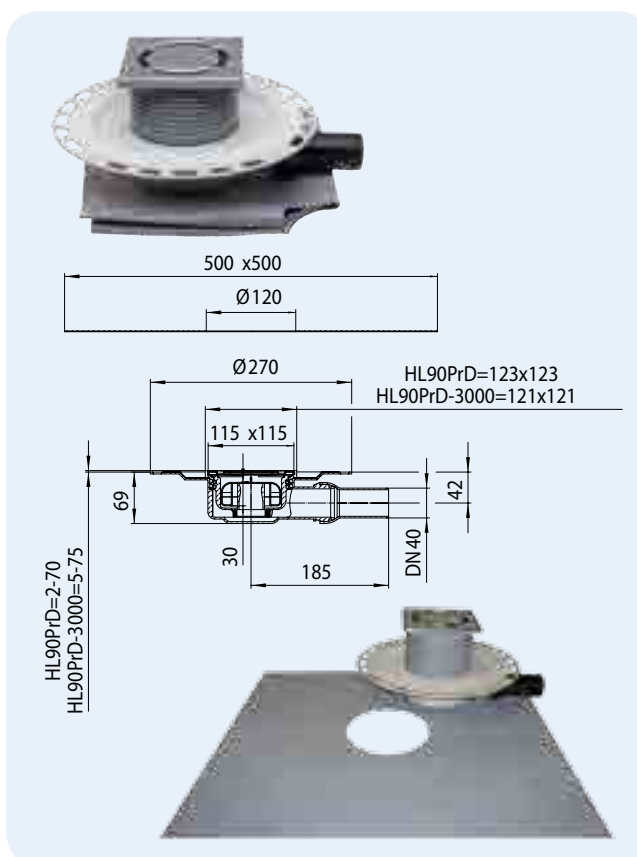
 Weight
570 g

 EAN
+034321

 Piece/package
1

HL90PrD Floor drain with integrated fleece flange
HL90PrD-3000 like HL90PrD, but with stainless steel frame
Data

Capacity	0,40 l/s
Material	PE, cast iron/PE, stainless steel V2A
Outlet	DN40, horizontal, pluggable and weldable
Extension	HL90PrD: 123 x 123 mm, cuttable in height HL90PrD-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 30 mm and PRIMUS (No stench, with or without water)
Standard	ÖNorm B2501, DIN 19535, 19560
Load classification	K 3 – max. 300 kg
Recommended for	Floor constructions < 100 mm
Additional information	Floor drainage especially at unfrequent 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).
Including	Supporting frame, lot cover


 HL-No.
90PrD
90PrD-3000

 Dimension
DN40
DN40

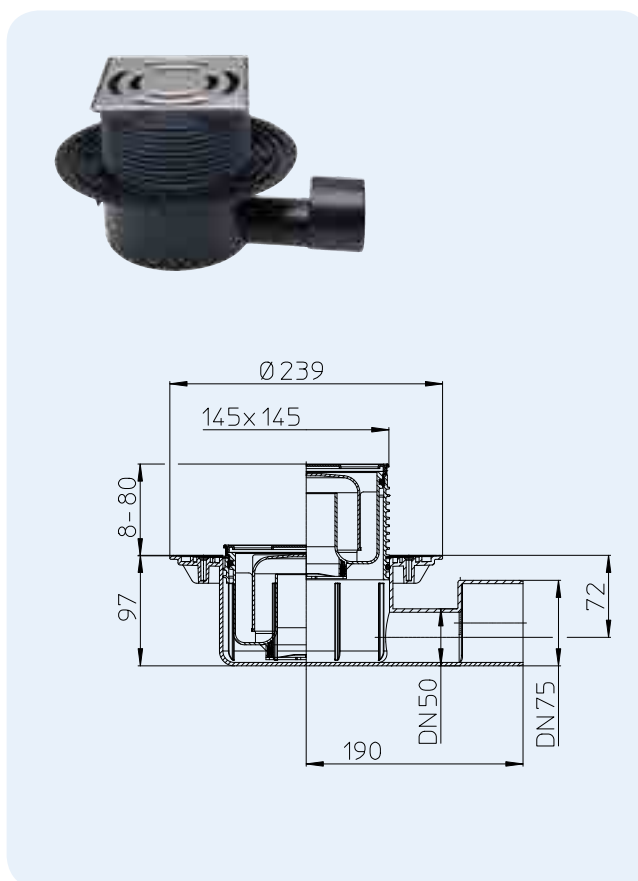
 Weight
812 g
855 g

 EAN
+029471
+029518

 Piece/package
1
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, DIN 19535, 19560
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).
Including	Supporting frame, lot cover



HL03910.1E



HL03900.0E



HL05100.7E



HL03910.2E



HL01093D



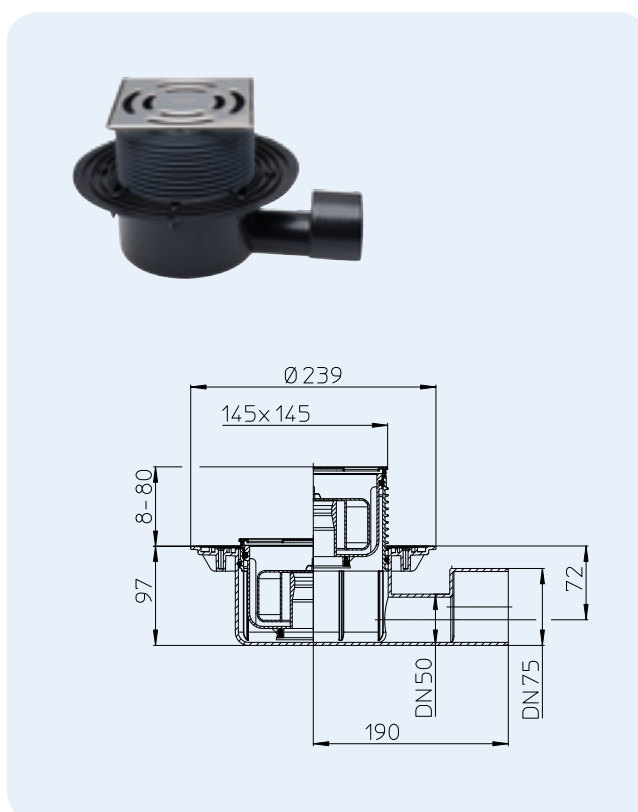
HL03100.0E



HL5100K

HL-No.
5100Dimension
DN50/75Weight
1025 gEAN
+025442Piece/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, DIN 19535, 19560
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 unfrequent 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).
Including	Supporting frame, lot cover



HL03910.1E



HL03900.0E



HL2100



HL03910.2E



HL01093D



HL03100.0E

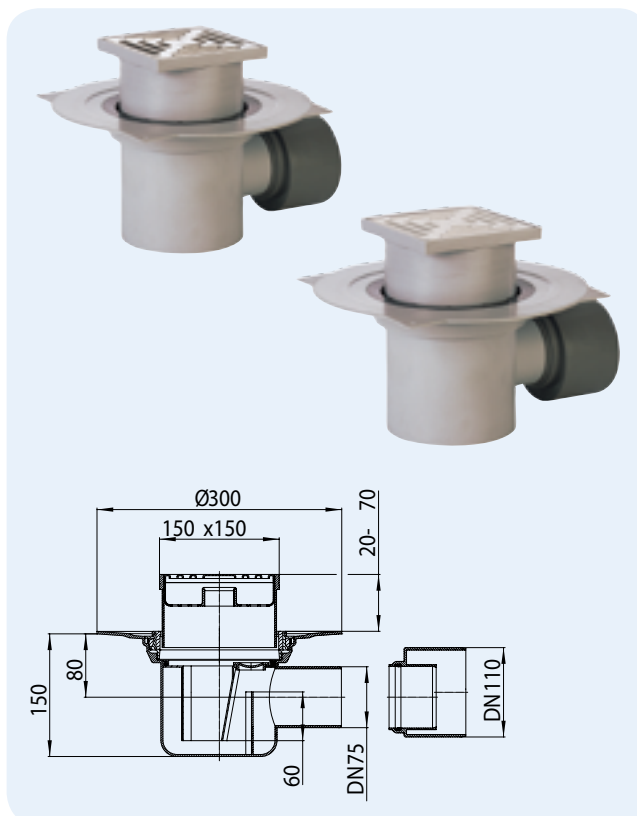


HL5100K

HL-No.
5100PrDimension
DN50/75Weight
1069 gEAN
+025459Piece/package
1

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

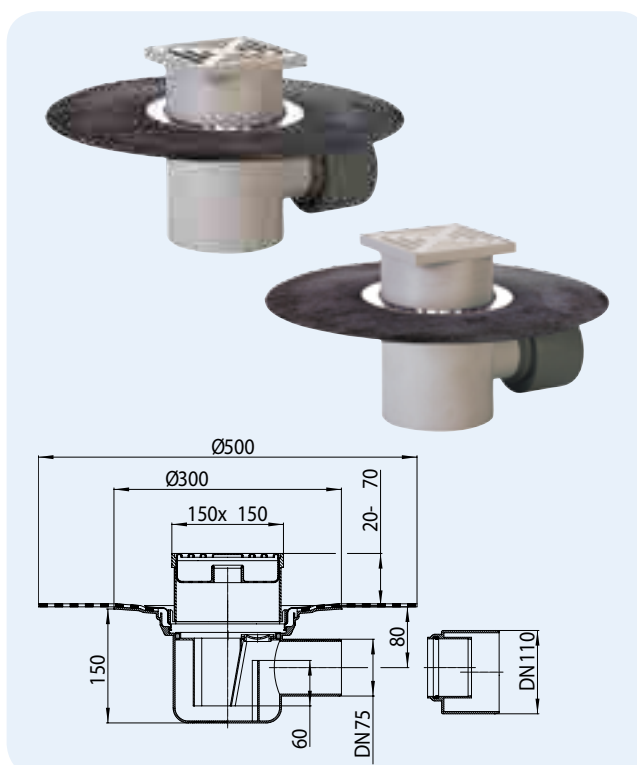
Capacity	1,5 l/s
Material	PP, stainless steel V2A
Outlet	DN75/110
Extension	147 x 147 mm, cuttable in height
Grate	HL72.1: Plastic grate 138 x 138 mm, HL72.1N: Stainless steel grate 138 x 138 mm
Stench trap	Height of seal water 60 mm
Standard	EN 1253, DIN 19560
Load classification	K 3 – max. 300 kg
Recommended 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	147 x 147 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, DIN 19560
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



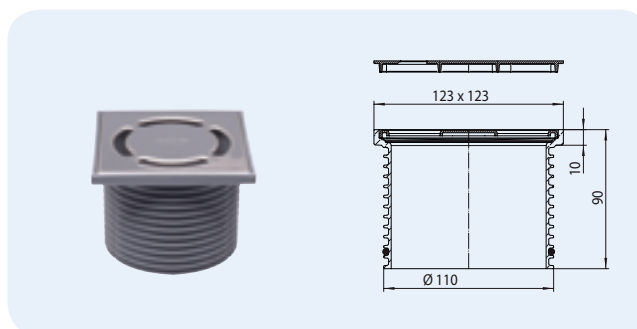
HL-No.	Dimension	Weight	EAN	Piece/package
72.1HN	DN75/100	2200 g	+072118	1
72.1H	DN75/100	2086 g	+997213	1

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, HL310N, HL510N, HL90
Including	Supporting frame



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

HL037Pr.1E

HL037N.0E

HL037N.2E

HL01067D

 Piece/package
1

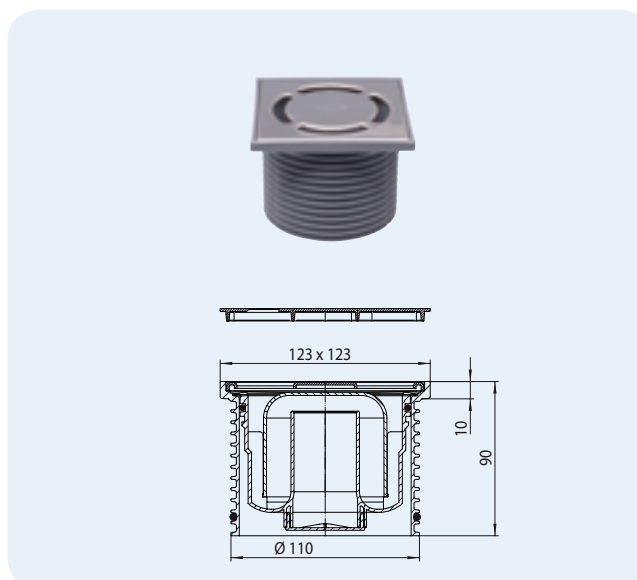
HL37N.1 Extension with water trap

HL37NPr Extension with PRIMUS trap

HL37FPr Extension with flat PRIMUS 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 HL37NPr: PRIMUS trap HL37FPr: PRIMUS trap „flat“
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL310N and HL510N
Including	Supporting frame



HL-No.	Dimension	Weight	EAN
37N.1	Ø 110 mm / 123 x 123 mm	380 g	+015245
37NPr	Ø 110 mm / 123 x 123 mm	405 g	+015269
37FPr	Ø 110 mm / 123 x 123 mm	380 g	+028450

HL37N.1 **HL37FPr**
HL37NPr

HL037Pr.1E

HL037Pr.1E

HL037N.0E

HL0510.7E

HL2000

HL2090

HL037N.2E

HL01067D

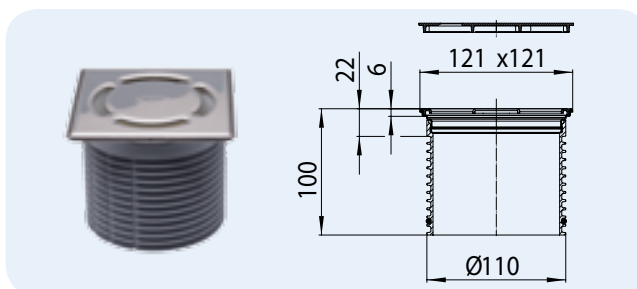
 Piece/package
1

HL3000 Extension system „KLICK-KLACK“ with stainless steel frame

HL3011 Extension system „KLICK-KLACK“ with stainless steel frame, screwed

Data

Material	PE, stainless steel V2A
Extension	Stainless steel frame 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	Drain bodies of series HL70, HL80, HL300, HL304, HL310N, HL510N, HL90
Including	Supporting frame



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

HL037Pr.1E

HL037N.0E

HL3200

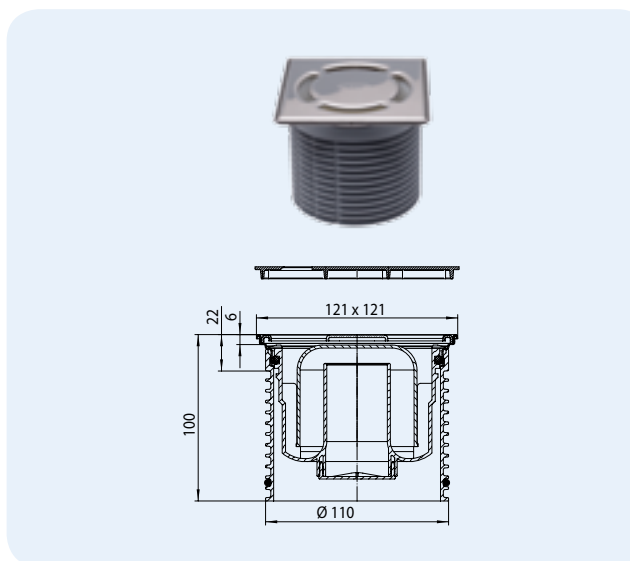
HL01067D

 Piece/package
1
1

- HL3000.1** Extension „Klick-Klack“, including water trap
HL3000Pr Extension, including PRIMUS trap
HL3000FPr Extension, including PRIMUS trap - flat

Data

Material	PE, stainless steel V2A
Extension	Stainless steel frame 121 x 121 mm, extension cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Stench trap	HL3000.1: Water trap HL3000Pr: PRIMUS trap HL3000FPr: PRIMUS trap „flat“
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL310N and HL510N
Including	Supporting frame

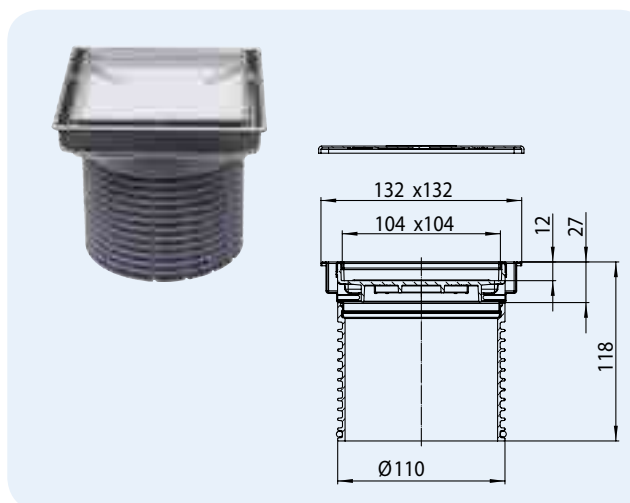

HL3000.1 **HL3000FPr**
HL3000Pr
**HL3200**

HL-No.	Dimension	Weight	EAN	Piece/package
3000.1	Ø 110 mm / 121 x 121 mm	425 g	+015337	1
3000Pr	Ø 110 mm / 121 x 121 mm	450 g	+015351	1
3000FPr	Ø 110 mm / 121 x 121 mm	426 g	+028542	1

HL3020 Tilable extension

Data

Material	PP
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
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, HL310NK-3020, HL510NK-3020

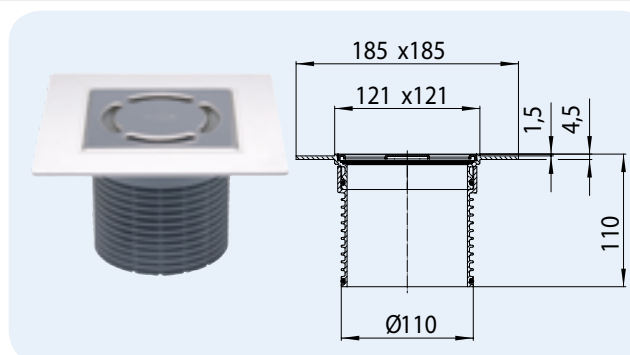


HL-No.	Dimension	Weight	EAN	Piece/package
HL3020	Ø 110 mm / 132 x 132 mm	350 g	+034253	1

HL37NP Extension with PVC frame and collar

Data

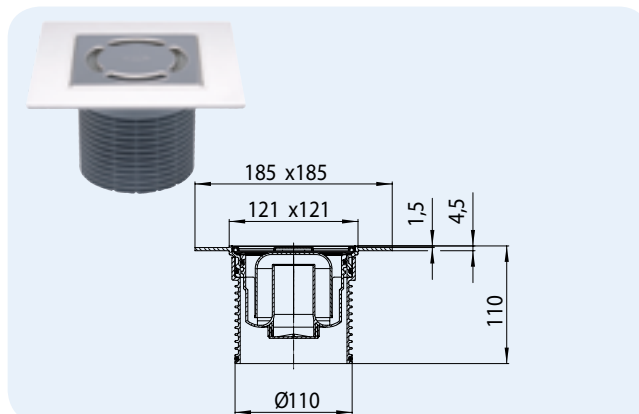
Material	PP/PVC/stainless steel V2A
Extension	PVC frame and collar 185 x 185 mm / 121 x 121 mm, Extension cuttable in height
Grate	Stainless steel grate 115 x 115 mm
Load classification	K 3 – max. 300 kg
Recommended for	PVC floor coverings, for gluing PVC coverings directly on the collar, fits to all floor drains of series HL70, HL80, HL300, HL304, HL310N, HL510N, 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**HL37NPPr** Extension with PVC collar and frame, including PRIMUS 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 HL37NPPr: PRIMUS 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 HL310N and HL510N



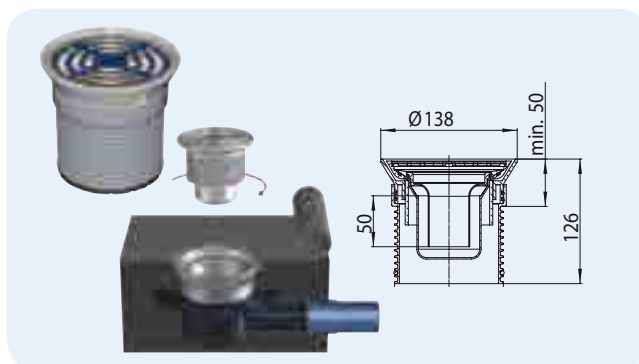
HL-No.	Dimension	Weight	EAN
37NP.1	Ø 110 mm / 121 x 121 mm	342 g	+022805
37NPPr	Ø 110 mm / 121 x 121 mm	342 g	+022830

HL37NP.1 **HL37NPPr**

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 HL310N and HL510N



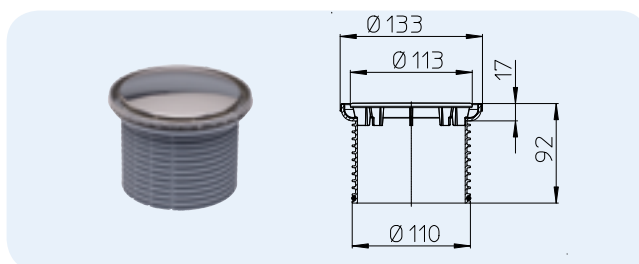
HL-No.	Dimension	Weight	EAN
38P	Ø 110 mm / Ø 115 mm	650 g	+036097



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



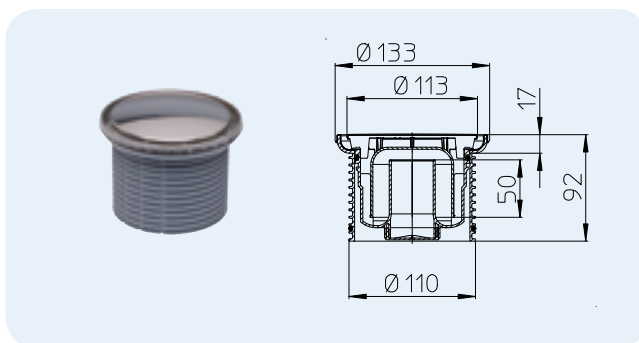
HL-No.	Dimension	Weight	EAN
38N	Ø 110 mm / Ø 133 mm	160 g	+004362



Piece/package
1

HL38N.1 Round extension with water trap**HL38NPr** Round extension with PRIMUS 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 HL38NPr: PRIMUS trap
Load classification	K 3 – max. 300 kg
Recommended for	tiled showers, fitting to floor drain series HL310N and HL510N



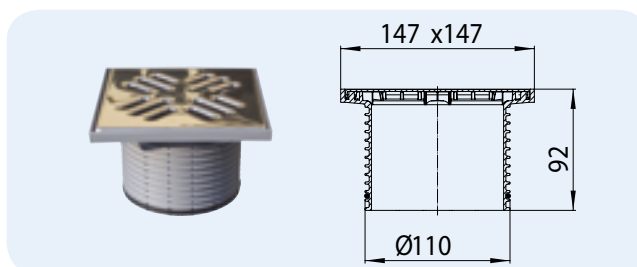
HL-No.	Dimension	Weight	EAN
38N.1	Ø 110 mm / Ø 133 mm	435 g	+015498
38NPr	Ø 110 mm / Ø 133 mm	465 g	+005994

HL38N.1 **HL38NPr**

Piece/package
1
1

HL39 Extension 147 x 147 mm**Data**

Material	PP, stainless steel V2A
Extension	PP-Frame 147 x 147 mm, extension cuttable in height
Grate	Stainless steel grate 140 x 140 mm
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL70, HL80, HL300, HL304, HL310N, HL510N, HL90



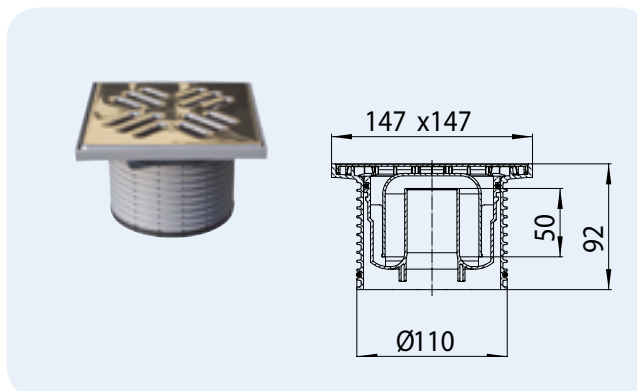
HL-No.	Dimension	Weight	EAN
39	Ø 110 mm / 147 x 147 mm	351 g	+000593



Piece/package
1

HL39.1 Extension 147 x 147 mm with water trap
HL39Pr Extension 147 x 147 mm with PRIMUS trap
Data

Material	PP, stainless steel V2A
Extension	PP-Frame 147 x 147 mm, extension cuttable in height
Grate	Stainless steel grate 140 x 140 mm
Stench trap	HL39.1: Water trap HL39Pr: PRIMUS trap
Load classification	K 3 – max. 300 kg
Recommended for	Drain bodies of series HL310N and HL510N



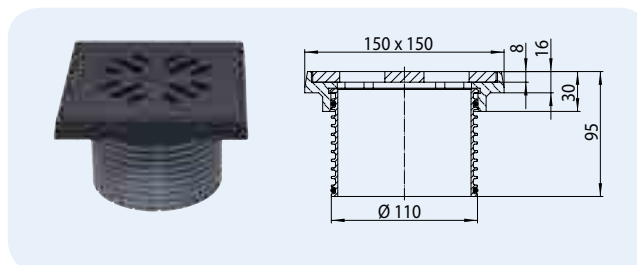
HL-No.	Dimension	Weight	EAN
39.1	Ø 110 mm / 147 x 147 mm	438 g	+000616
39Pr	Ø 110 mm / 147 x 147 mm	464 g	+004447



Piece/package
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, car parks; Drain bodies of series HL70, HL80, HL300, HL304, HL310N, HL510N, HL90



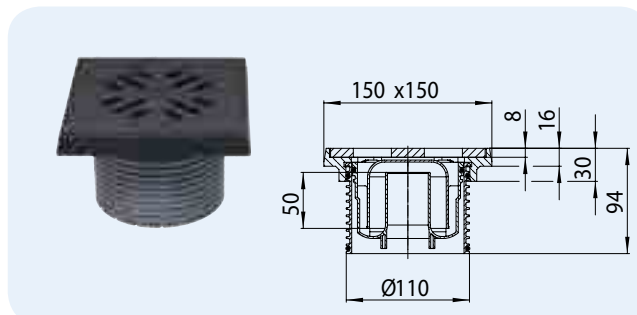
HL-No.	Dimension	Weight	EAN
39G	Ø 110 mm / 150 x 150 mm	2025 g	+000647



Piece/package
1

HL39.1G Extension with cast iron frame and grate, including water trap
HL39PrG Extension with cast iron frame and grate, including PRIMUS trap
Data

Material	PP / cast iron
Extension	Cast iron 150 x 150 mm, extension cuttable in height
Grate	Cast iron 137 x 137 mm
Stench trap	HL39.1G: Water trap HL39PrG: PRIMUS trap
Load classification	L15 bzw. A15 – max. 1,5 t
Recommended for	Mastic asphalt, car parks; Drain bodies of series HL310N and HL510N



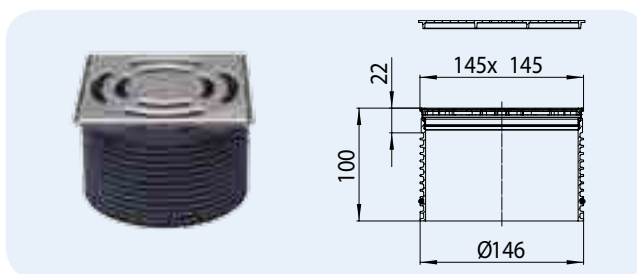
HL-No.	Dimension	Weight	EAN
39.1G	Ø 110 mm / 150 x 150 mm	2120 g	+000630
39PrG	Ø 110 mm / 150 x 150 mm	2150 g	+004454



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



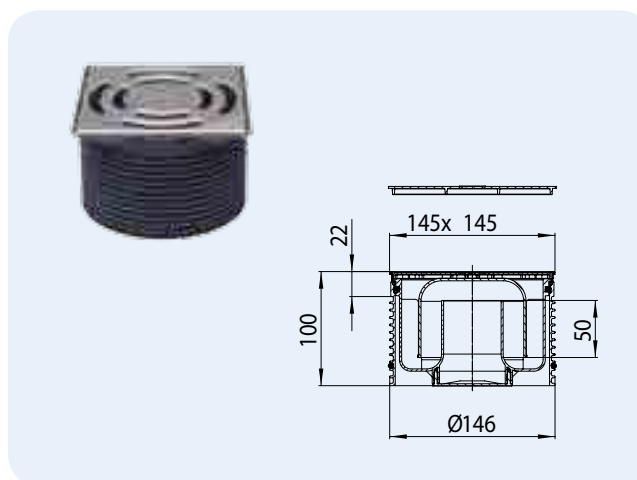
HL-No.	Dimension	Weight	EAN
3910	Ø 146 mm / 145 x 145 mm	467 g	+025534



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



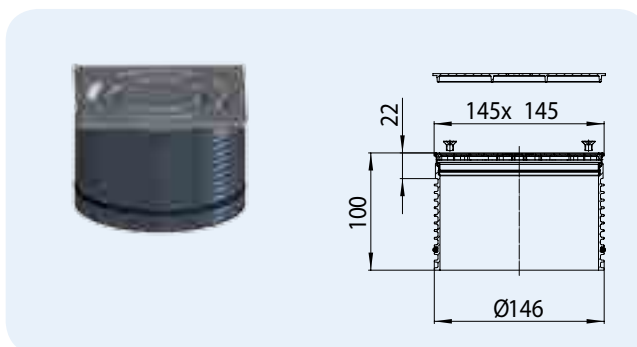
HL-No.	Dimension	Weight	EAN
3910.1	Ø 146 mm / 145 x 145 mm	592 g	+025541
3910Pr	Ø 146 mm / 145 x 145 mm	630 g	+025558



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



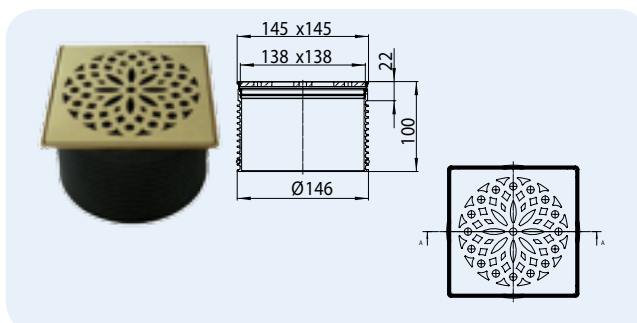
HL-No.	Dimension	Weight	EAN
3911	Ø 146 mm / 145 x 145 mm	470 g	+028252



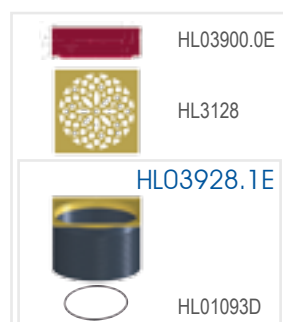
Piece/package
1

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

Material	PP/stainless steel V2A
Extension	Brass plated stainless steel frame 145 x 145 mm
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



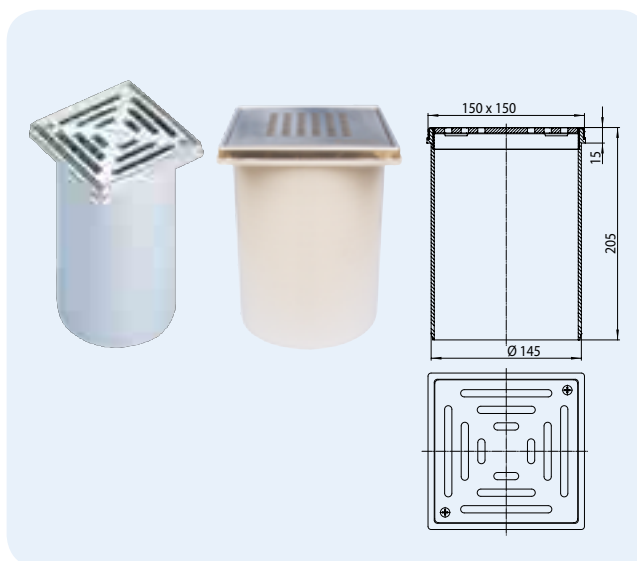
HL-No.	Dimension	Weight	EAN
3928	Ø 146 mm / 145 x 145 mm	776 g	+034796



Piece/package
1

HL66, HL66Q, HL66.1 Extensions with screwable grate**Data**

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

**HL66 HL66.1 HL66Q**

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 HL66.4**

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**

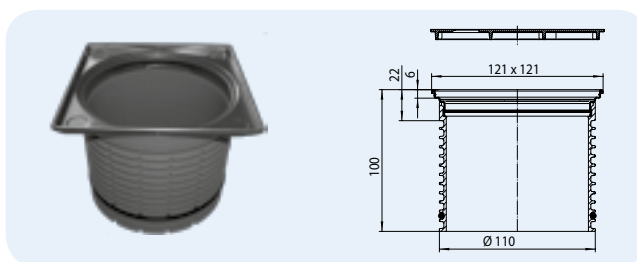
Material	Stainless steel V4A
Grate	HL3110: Stainless steel grate 115 x 115 mm HL03910.3E: Stainless steel grate 138 x 138 mm
Load classification	K 3 – max. 300 kg
Recommended for	chlorinated sewer, e.g. in swimming pools



HL-No.	Dimension	Weight	EAN	Piece/package
3110	115 x 115 mm	400 g	+015634	1
03910.3E	138 x 138 mm		+025916	1

HL3210 Extension with stainless steel frame V4A**Data**

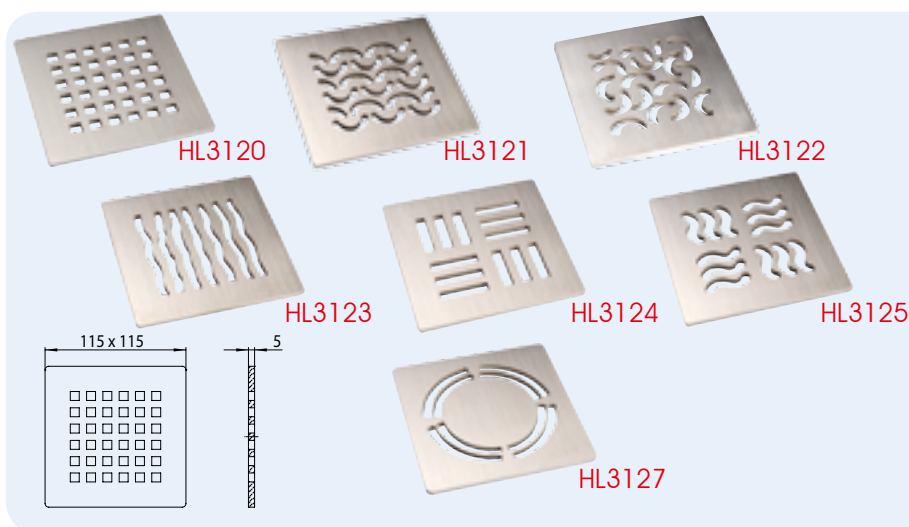
Material	PP/Stainless steel V4A
Extension	Stainless steel frame 121 x 121 mm, extension cuttable in height
Recommended for	Chlorinated waste water, e.g. in thermal baths, fitting to floor drain series HL70, HL80, HL90, HL300, HL304, HL310N, HL510N
Including	Supporting frame



HL-No.	Dimension	Weight	EAN	Piece/package
3210	Ø 110 / 121 x 121 mm	145 g	+023769	1

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

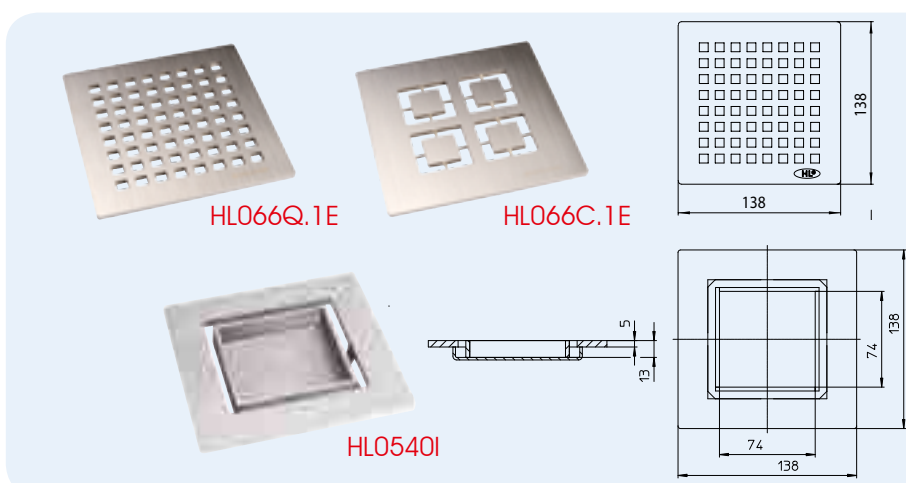
Material	Stainless steel V4A
Grate	Stainless steel grate 115 x 115 mm
Load classification	L – max. 1,5 t
Recommended for	Floor drain series HL70, HL80, HL300, HL304, HL310N, HL510N, HL90 combined with extensions HL3200 or HL3210



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

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

Material	Stainless steel V4A
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



HL-No.	Material	Dimension	Weight	EAN	Piece/package
066Q.1E	Stainless steel V4A	138 x 138 x 5 mm	607 g	+013623	1
066C.1E	Stainless steel V4A	138 x 138 x 5 mm	608 g	+031283	1
0540I	Stainless steel V4A	138 x 138 x 5 mm			1