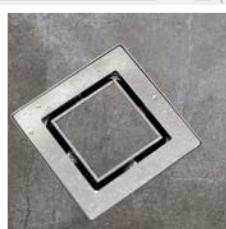
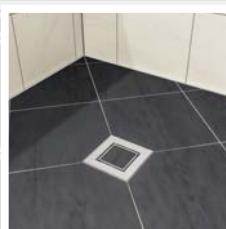


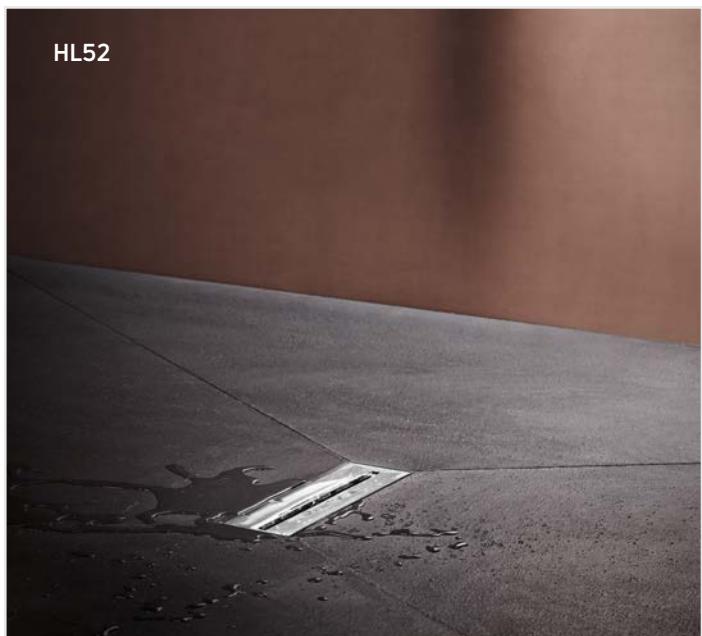
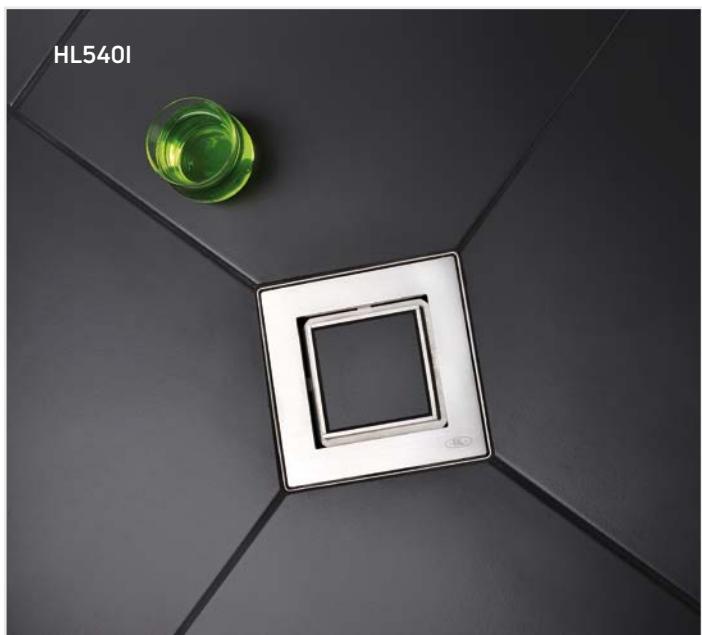


5

HL System solutions

5. Barrier-free showers





HL System solutions for barrier-free showers

Basic information for planning and execution

Barrier-free showers nowadays are very popular to end-users. The advantages are obvious: Real and optical gain of space, individual design of the shower area, and now also a wide range of barrier-free shower solutions in every price segment. In case of installation of barrier-free showers, it can be observed, that the practice is far away from the theory, whatsoever. There are many interfaces, where the instalment can go wrong and therefore the bathroom users expectations are not fulfilled; because of wrong consultation, because of a lack of coordination between construction company, installer, tiler... In order to prevent this failures it is recommended to draw attention to certain aspects, such as following:

▲ Installation height

Especially in case of bathroom renovation, the installer has the problem of low floor heights - this leads to low drainage systems. Please do not forget, that for all tiled shower spaces a slope of minimum 2% is needed and has to be added to the drain height, when calculating!

▲ Capacity

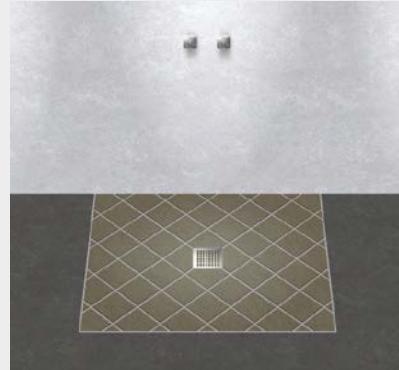
Calculation of the required minimum drain capacity: Capacity of the shower fitting + 20%! The test procedure for the determination of the drain capacity is described in EN 1253-2; in this standard the nominal capacity is valid with a water height of 20mm above the grate or cover of the drain.

▲ Connection to the waterproofing

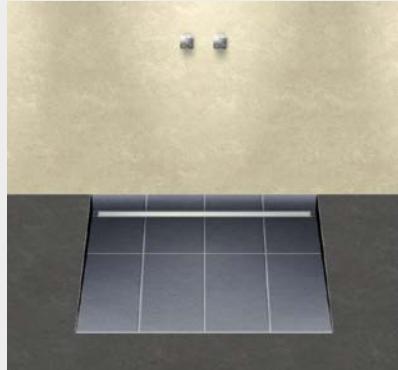
Tiled showers are most endangered areas, concerning the penetration of moisture into the floor (and wall) construction (according ÖNORM B 2207 danger class W4). Since tiles and tile glue are not regarded as a permanent sealing, a waterproofing has to be applied below the tiles. Most endangered spot is the transition from drain to the sealing compound. Therefore high quality drains are equipped with flanges, which care for the tight sealing in this area. Also these drains should be able, to drain off leakage water, which is staying below the tiles (secondary water drainage).

▲ Selection of the drain system:

Point drainage



Linear drainage



▲ Advantages of point drainage:

- o Easy and long term experienced installation
- o Low price
- o Less construction height, as the drain position is mostly in the middle and not at the end of the shower area
- o Individual choice of the drain position according to the tile pattern, perfect for diagonal tiling

▲ Advantages of linear drainage:

- o Easy preparation of the screed slope (only in one direction)
- o Perfect for large tiles
- o Installation close to the wall avoids the overflow of water into the rest of the bathroom
- o High end design

▲ Stench trap

According to standard EN 12056-2 odor traps must be installed inside of the buildings. Every odor trap has to have water seal of at least 5 cm height in order to prevent odor rising into the building. In case of vacuum in the drainage system, these 5 cm water prevent the trap from being sucked out by the vacuum. In case of lower floor heights (renovation) the sealing height in the trap could be less than 5 cm, if the trap is equipped with an additional mechanical odor barrier. For this case HL shower drain systems are equipped with the proven Primusblue system. The Primusblue is a combined trap with sealing water and a mechanical odor barrier that provides absolute odor-tightness and even more protection against unpleasant odors from the sewer. With a tightness at overpressure up to +800 Pascal and at negative pressure down to -400 Pascal, Primusblue offers more safety compared to conventional water odor seals with 50 mm sealing water. Another benefit is the function of backflow tightness down to a pressure of 0.5 mWs. The backflow of wastewater in the case of awkwardly laid drainage pipes (e.g. from a bathtub or swimming pool backwash) is effectively prevented.

▲ Coordination at the building site

Usually three different kind of craftsmen work on the completion of a barrier-free shower: Screed layer, plumber and tiler. Therefor a good cross-over communication between these craftsmen is needed. For this purpose we recommend, to establish a central planning authority (planner, architect, ...).

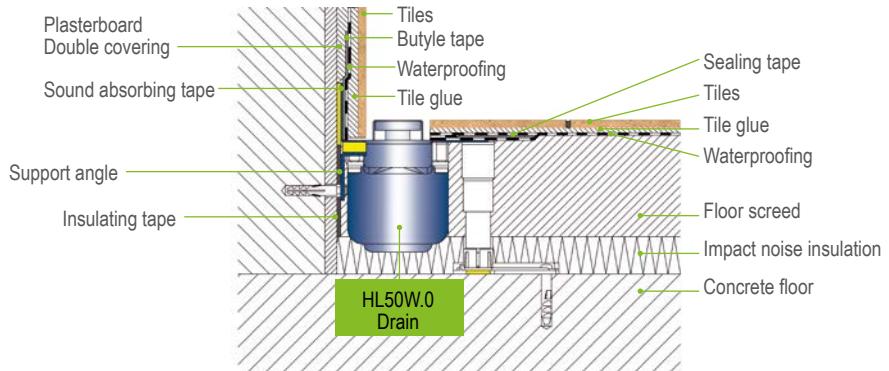
▲ Design

HL is offering different kinds of covers in different colours. Therefor the final decision has to be taken in accordance with the end-user of the bathroom.

HL Barrier-free showers – Sectional drawings

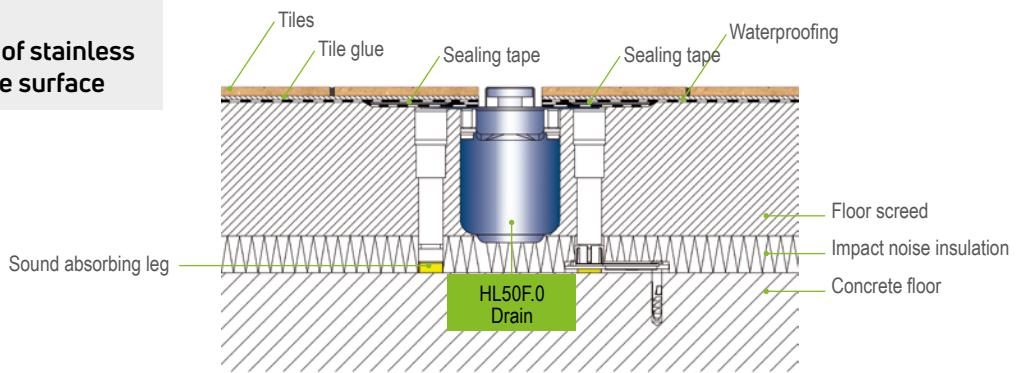
HL50W

Shower channel made of stainless steel, wall-side installation



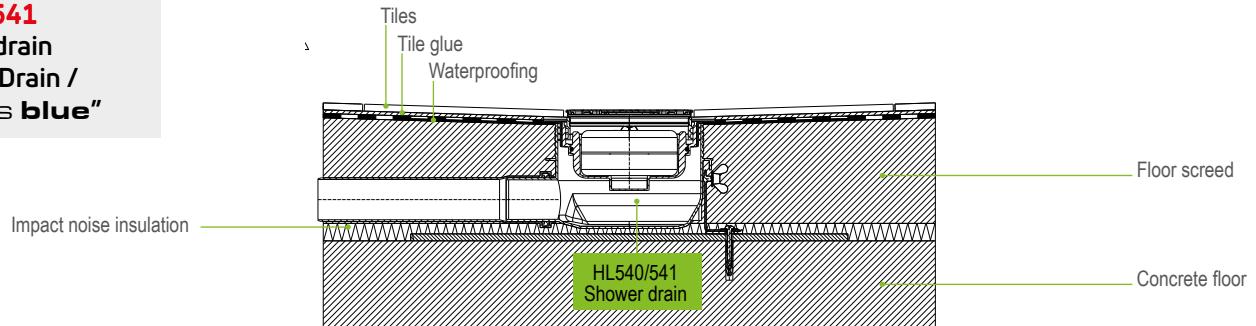
HL50F

shower channel made of stainless steel, installation in the surface

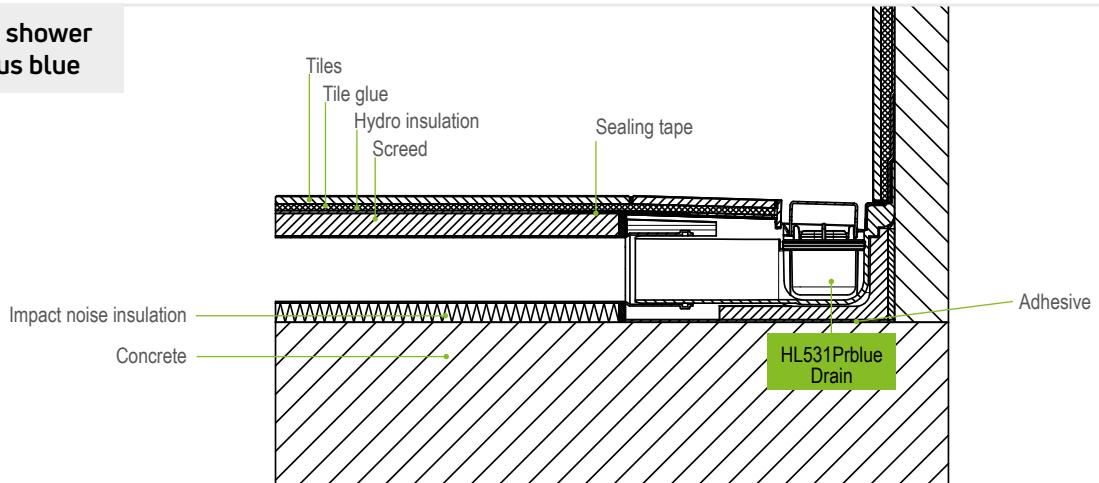


HL540/541

**Shower drain
„Primus Drain /
Primus blue“**

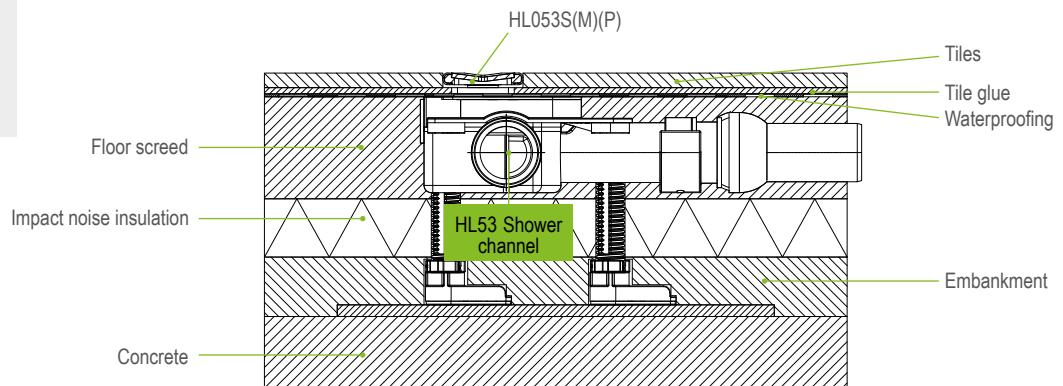


HL531Prblue shower channel Primus blue

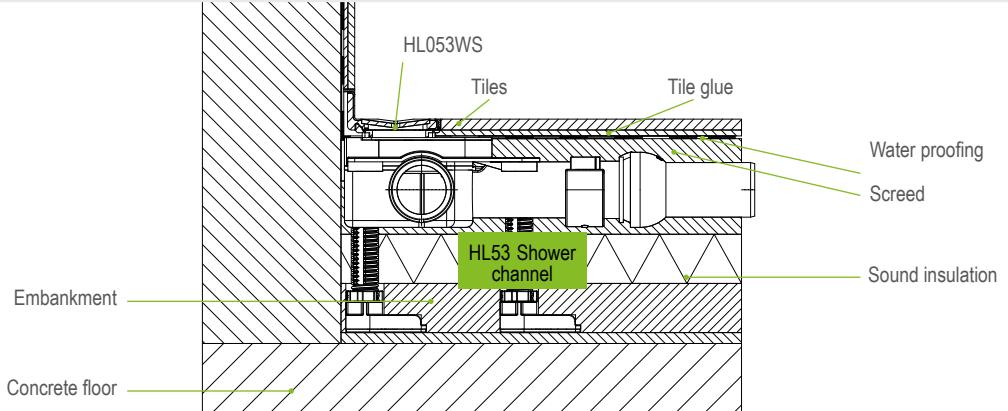


HL Barrier-free showers – Sectional drawings

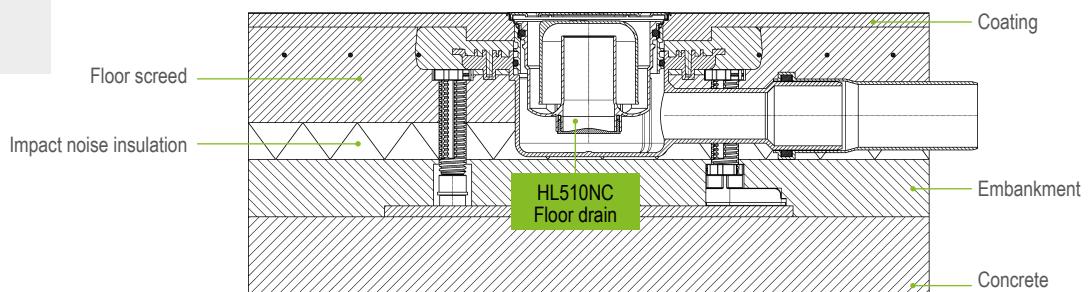
HL53
„In|Floor“
Shower channel



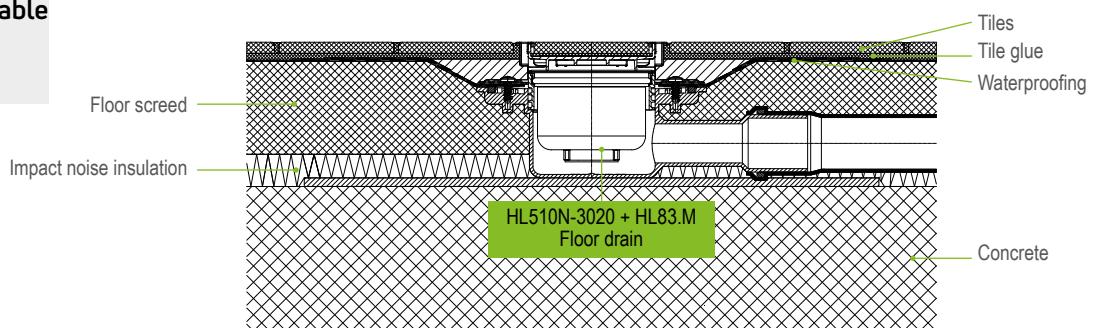
HL053WS
„Wall“
Shower channel



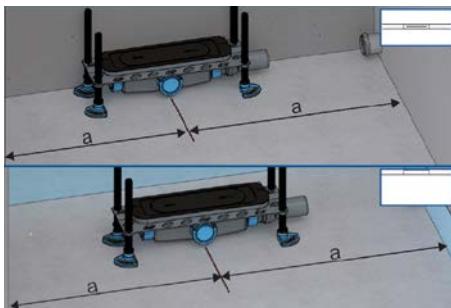
HL510NC
Floor drain with
polymer concrete
collar



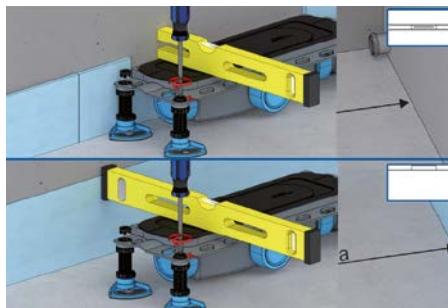
HL510N-3020
Floor drain with tilable
frame



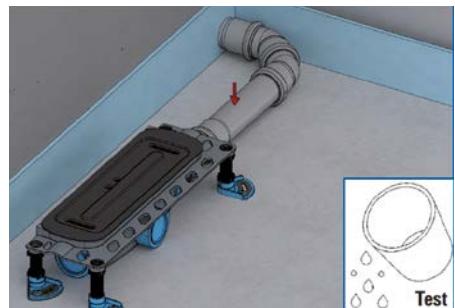
HL Barrier-free showers – Installation manual HL53



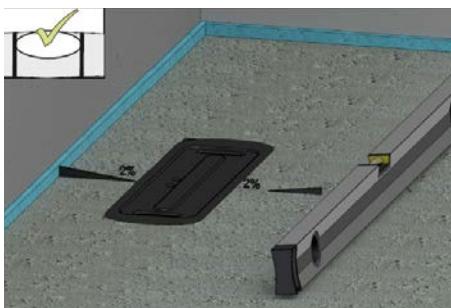
1. Position drain body and fix it to the raw concrete ceiling



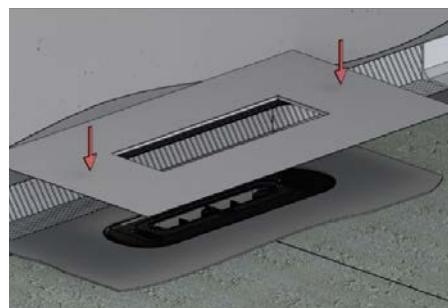
2. Adjust drain body to the height - then level it long- and broadside



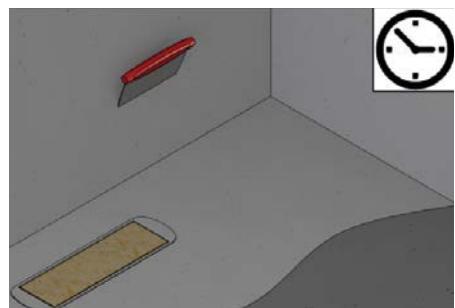
3. Switch drain nozzle to one of the three possible sides, connect it to the drain pipe and check whether it's water proof



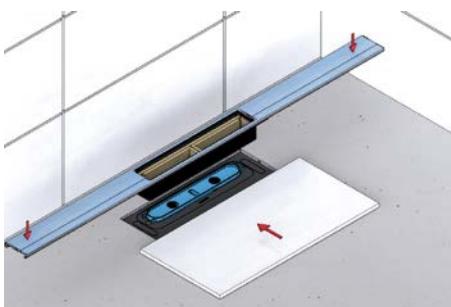
4. Level screed by keeping a minimum slope of 2% to the building protection



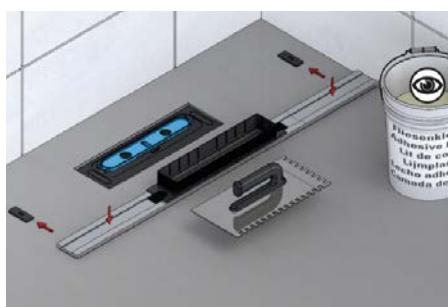
5. Remove building protection and any pollution, then install sealing kit



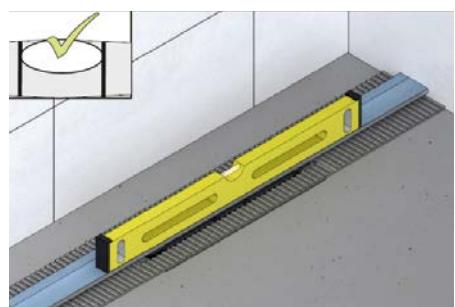
6. Use building protection, install waterproof seal, paint both sides and make sure to check drying time.



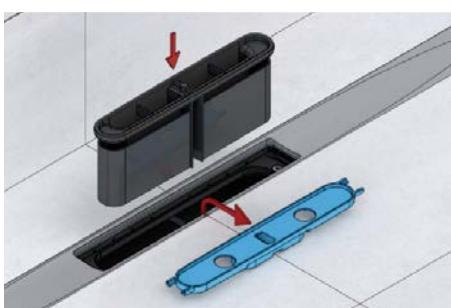
7. Stainless steel - position cover, cut it to the length and adjust height step by step



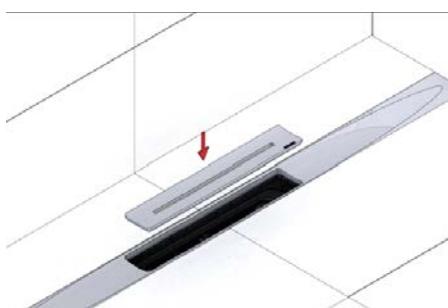
8. Fix to the ground by using tile adhesive



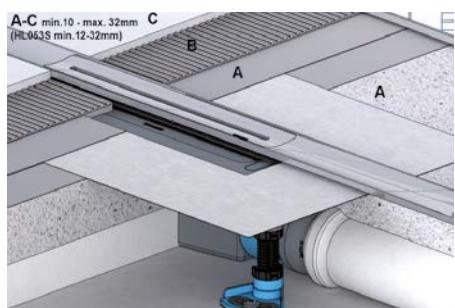
9. Stainless steel - adjust cover vertically by pushing down the adhesive bed; the inlaying cross slope ensures reliable drainage



10. Remove positioning profile and install odour trap



11. Removable stainless steel - use cover - ready!



12. A: Waterproof Seal
C: Ceramic tiling

B: Tile adhesive

HL Barrier-free showers – Installation manual HL531Prblue



1. Measure shower area; Adjust shower drain in length by shortening both sides of the shower block



2. Preparation of the surface (flat surface), apply adhesive on the surface



3. Position shower channel in the adhesive layer next to the wall. Check its horizontal position



4. Connect the drain with pipe and make leak test



5. Insert the sound insulation and and thermal insulation



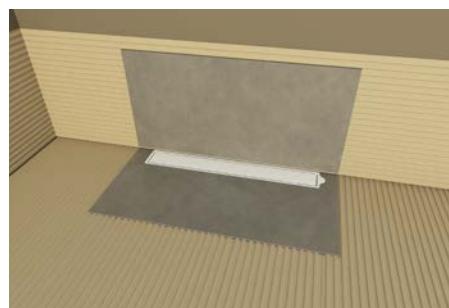
6. Insert screed with a minimum of 2% slope to the edge of the EPS-panel



7. Apply liquid waterproofing on both sides of the sealing foil



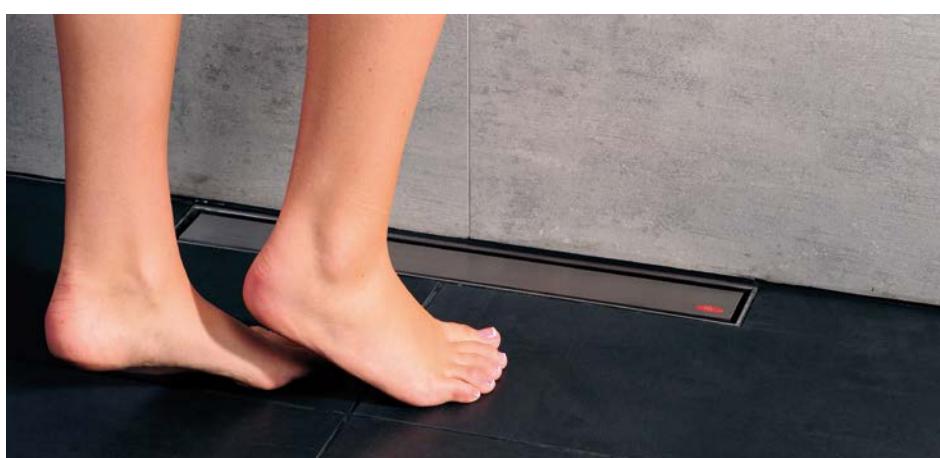
8. Attach sealing tapes, seal the entire shower area



9. Set tiles up to the edge of the protection cover



10. Remove protection cover and fill silicone into the surrounding gaps



HL Barrier-free showers - Installation manual HL540/541



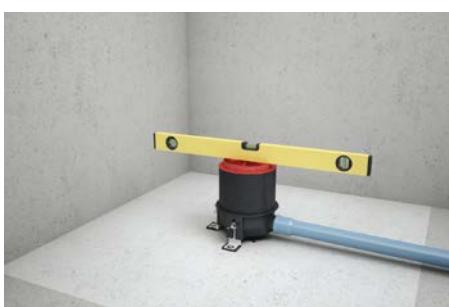
1. Define outlet position, set the stencil in direction to the outlet pipe and mark the holes for the drilling.



2. Drill holes



3. Fix the drain body with fixing angles on the floor and connect to the pipe.



4. Adjust the decline of the pipe by using the angles and level the drain body.



5. Insert floor screed and create a slope to the drain by minimum 2%.



6. After the floor screed is dry, cut the salient nozzle with a saw (or cutting disc).



7. Insert the sealing kit, turn the protection cover and insert it again.



8. Apply waterproofing in the whole shower area and on (and under) the sealing kit, seal the edges with sealing tapes.



9. Insert the extension, if necessary, cut the extension.



10. Adjust the extension by turning to the tile layout (360° turnable), lay the tiles.



11. Remove the protection cover and insert the grate.

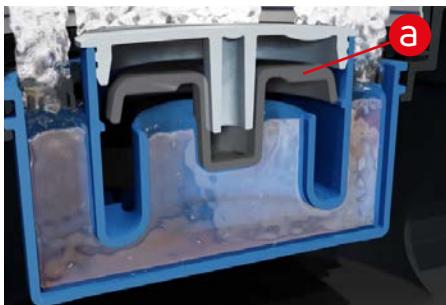


12. Ready

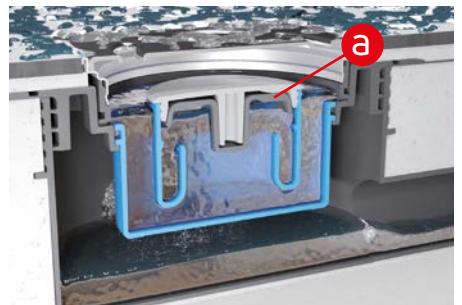
Primus blue trap - function



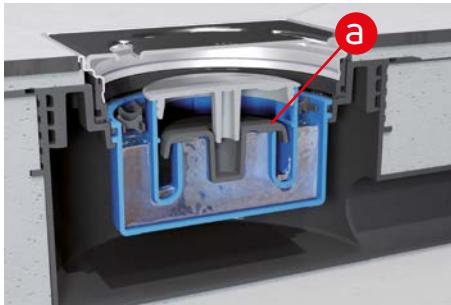
„Primus blue“ - the new HL hybrid trap for shower and floor drains - works mechanic and hydraulic. It protects from smell, no matter if there is under pressure, over pressure or if the water inside is evaporated.



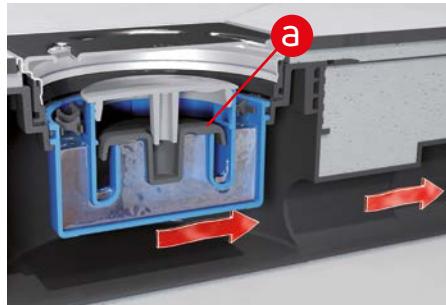
When the water from the shower runs through the trap, the valve disc opens.



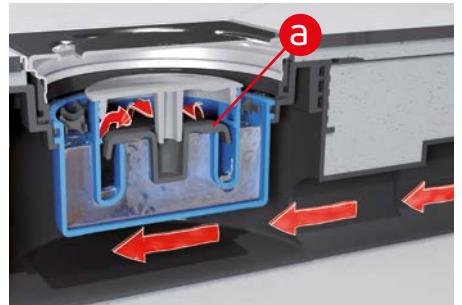
When the valve disc is opened, the water may pass the trap as usual.



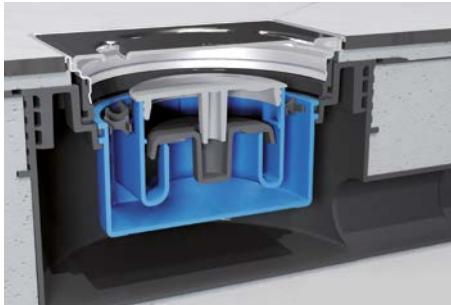
If the water inflow is stopped, the valve disc closes, the water stays inside the trap.



Underpressure from the sewer: The weight of the valve disc together with the water inside the trap protects from getting sucked out.



Overpressure in the sewer: The valve disc is pressed against the valve seat, so no smell may get out. A further advantage: the trap is save against back flow.



Should the water inside the trap be evaporated, e.g. caused by a floor heating, the mechanic trap protects from bad smell

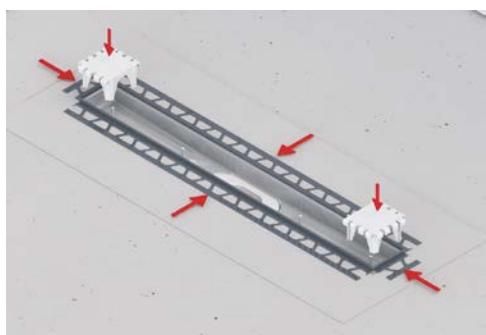
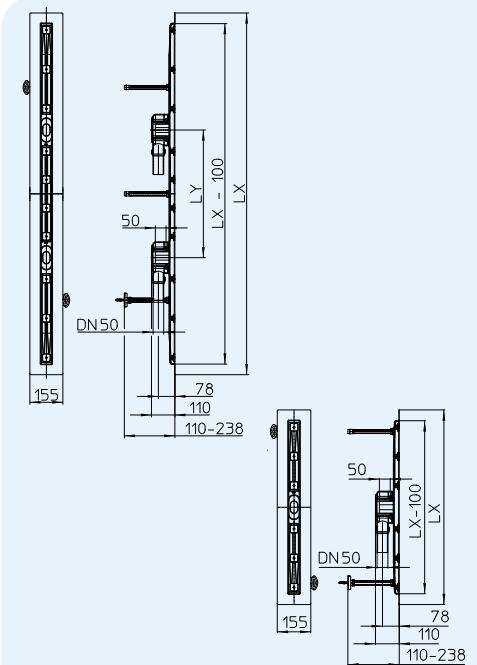



HL Barrier-free showers – Products – Data

HL50F.0 Shower channel made of stainless steel, installation in the surface, HEIGHT 110 MM!

Data

Capacity	600 – 1300 mm length = 0,8 l/s 1400 – 2100 mm length = 1,4 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50 with ball-joint
Height	110 mm
Standard	EN 1253
Height of seal water	50 mm
Additional information	removable stench trap, with 5cm surrounding sand-coated flange for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water, to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, 2 pieces of edge trim jigs, 2 pieces of tiling gauges

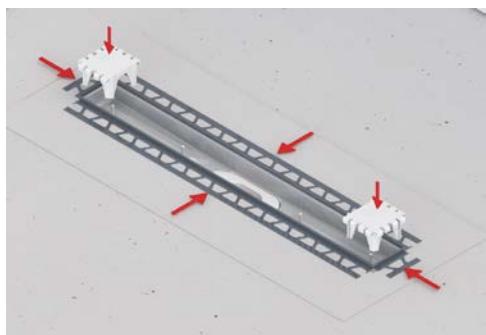
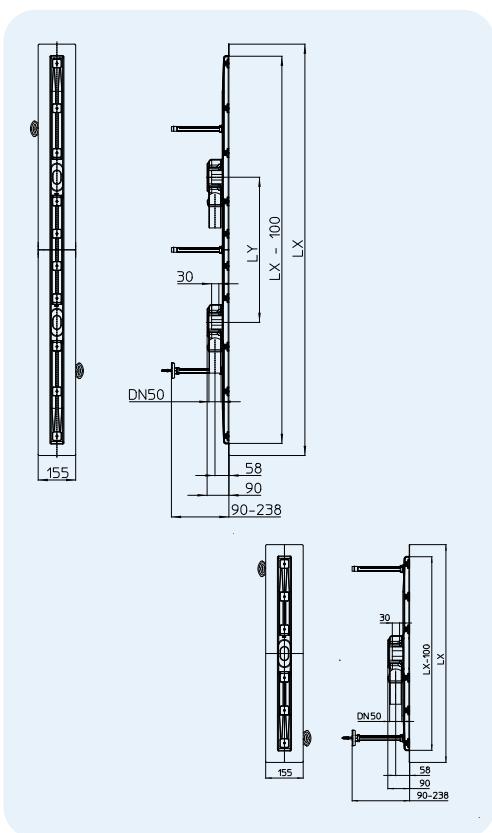


When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

HL-No.	Material	Dimension	length LX	length LY	Capacity	Weight	EAN	Piece/package
HL50F.0/60	Stainless steel	DN50	600 mm		0,8l/s	2261 g	+024599	1
HL50F.0/70	Stainless steel	DN50	700 mm		0,8l/s	2488 g	+024612	1
HL50F.0/80	Stainless steel	DN50	800 mm		0,8l/s	2729 g	+024636	1
HL50F.0/90	Stainless steel	DN50	900 mm		0,8l/s	2937 g	+024650	1
HL50F.0/90.2	Stainless steel	2 x DN50	900 mm	200 mm	1,4l/s	3194 g	+032433	1
HL50F.0/100	Stainless steel	DN50	1000 mm		0,8l/s	3224 g	+024674	1
HL50F.0/100.2	Stainless steel	2 x DN50	1000 mm	300 mm	1,4l/s	3480 g	+032440	1
HL50F.0/110	Stainless steel	DN50	1100 mm		0,8l/s	3525 g	+024698	1
HL50F.0/110.2	Stainless steel	2 x DN50	1100 mm	300 mm	1,4l/s	3782 g	+032457	1
HL50F.0/120	Stainless steel	DN50	1200 mm		0,8l/s	3760 g	+024711	1
HL50F.0/120.2	Stainless steel	2 x DN50	1200 mm	400 mm	1,4l/s	4017 g	+032464	1
HL50F.0/130	Stainless steel	DN50	1300 mm		0,8l/s	3966 g	+024735	1
HL50F.0/130.2	Stainless steel	2 x DN50	1300 mm	400 mm	1,4l/s	4150 g	+032471	1
HL50F.0/140	Stainless steel	2 x DN50	1400 mm	500 mm	1,4l/s	5840 g	+030545	1
HL50F.0/150	Stainless steel	2 x DN50	1500 mm	500 mm	1,4l/s	6120 g	+030569	1
HL50F.0/160	Stainless steel	2 x DN50	1600 mm	600 mm	1,4l/s	6260 g	+030583	1
HL50F.0/170	Stainless steel	2 x DN50	1700 mm	600 mm	1,4l/s	6600 g	+030606	1
HL50F.0/180	Stainless steel	2 x DN50	1800 mm	700 mm	1,4l/s	6820 g	+030620	1
HL50F.0/190	Stainless steel	2 x DN50	1900 mm	700 mm	1,4l/s	7060 g	+030644	1
HL50F.0/200	Stainless steel	2 x DN50	2000 mm	800 mm	1,4l/s	7240 g	+030668	1
HL50F.0/210	Stainless steel	2 x DN50	2100 mm	800 mm	1,4l/s	7560 g	+030682	1

HL50FF.0 Shower channel made of stainless steel, installation in the surface (flat version), HEIGHT 90 MM!
Data

Capacity	600 – 1300 mm length = 0,7 l/s 1400 – 2100 mm length = 1,2 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50 with ball-joint
Height	90 mm
Height of seal water	30 mm
Additional information	removable stench trap, with 5cm surrounding sand-coated flange for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water, to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, 2 pieces of edge trim jigs, 2 pieces of tiling gauges

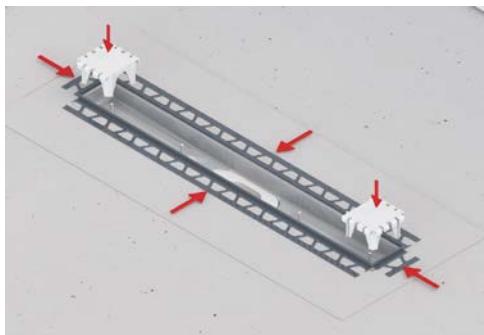
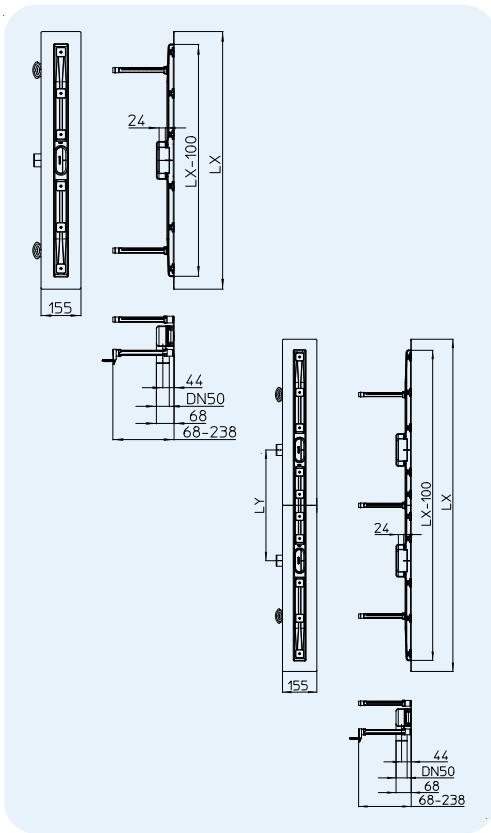


When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

HL-No.	Material	Dimension	length LX	length LY	Capacity	Weight	EAN	Piece/package
HL50FF.0/60	Stainless steel	DN50	600 mm		0,7l/s	2261 g	+029761	1
HL50FF.0/70	Stainless steel	DN50	700 mm		0,7l/s	2488 g	+029778	1
HL50FF.0/80	Stainless steel	DN50	800 mm		0,7l/s	2729 g	+029785	1
HL50FF.0/90	Stainless steel	DN50	900 mm		0,7l/s	2937 g	+029792	1
HL50FF.0/90.2	Stainless steel	2 x DN50	900 mm	200 mm	1,2l/s	3135 g	+035717	1
HL50FF.0/100	Stainless steel	DN50	1000 mm		0,7l/s	3224 g	+024834	1
HL50FF.0/100.2	Stainless steel	2 x DN50	1000 mm	300 mm	1,2l/s	3422 g	+035724	1
HL50FF.0/110	Stainless steel	DN50	1100 mm		0,7l/s	3525 g	+024858	1
HL50FF.0/110.2	Stainless steel	2 x DN50	1100 mm	300 mm	1,2l/s	3723 g	+035731	1
HL50FF.0/120	Stainless steel	DN50	1200 mm		0,7l/s	3760 g	+024872	1
HL50FF.0/120.2	Stainless steel	2 x DN50	1200 mm	400 mm	1,2l/s	3958 g	+035748	1
HL50FF.0/130	Stainless steel	DN50	1300 mm		0,7l/s	3966 g	+024896	1
HL50FF.0/130.2	Stainless steel	2 x DN50	1300 mm	400 mm	1,2l/s	4164 g	+035755	1
HL50FF.0/140	Stainless steel	2 x DN50	1400 mm	500 mm	1,2l/s	5840 g	+033362	1
HL50FF.0/150	Stainless steel	2 x DN50	1500 mm	500 mm	1,2l/s	6120 g	+033379	1
HL50FF.0/160	Stainless steel	2 x DN50	1600 mm	600 mm	1,2l/s	6260 g	+033386	1
HL50FF.0/170	Stainless steel	2 x DN50	1700 mm	600 mm	1,2l/s	6600 g	+033393	1
HL50FF.0/180	Stainless steel	2 x DN50	1800 mm	700 mm	1,2l/s	6820 g	+033409	1
HL50FF.0/190	Stainless steel	2 x DN50	1900 mm	700 mm	1,2l/s	7060 g	+033416	1
HL50FF.0/200	Stainless steel	2 x DN50	2000 mm	800 mm	1,2l/s	7240 g	+033423	1
HL50FF.0/210	Stainless steel	2 x DN50	2100 mm	800 mm	1,2l/s	7560 g	+033430	1

HL50FU.0 Shower channel made of stainless steel, installation in the surface (extra flat), HEIGHT 68 MM!
Data

Capacity	600 - 1300 mm length = 0,46 l/s 1400 - 2100 mm length = 0,82 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50
Height	68 mm
Standard	EN 1253
Height of seal water	24 mm
Additional information	Removable stench trap, with 5 cm surrounding sand coated flange for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water, to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, 2 pieces of edge trim jigs, 2 pieces of tiling gauges.

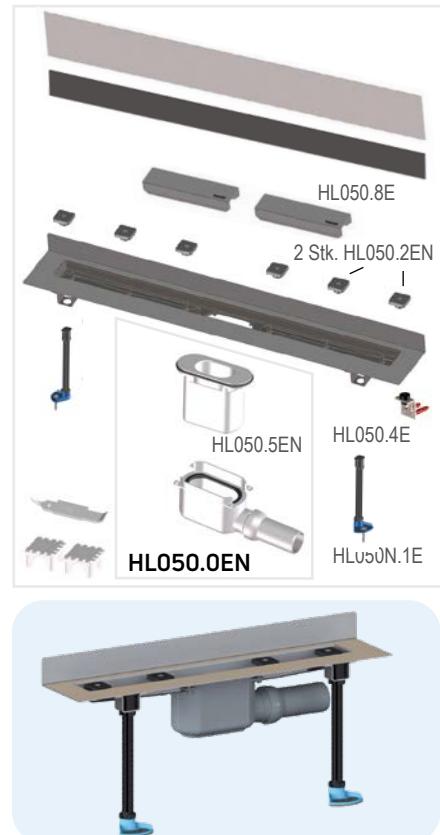
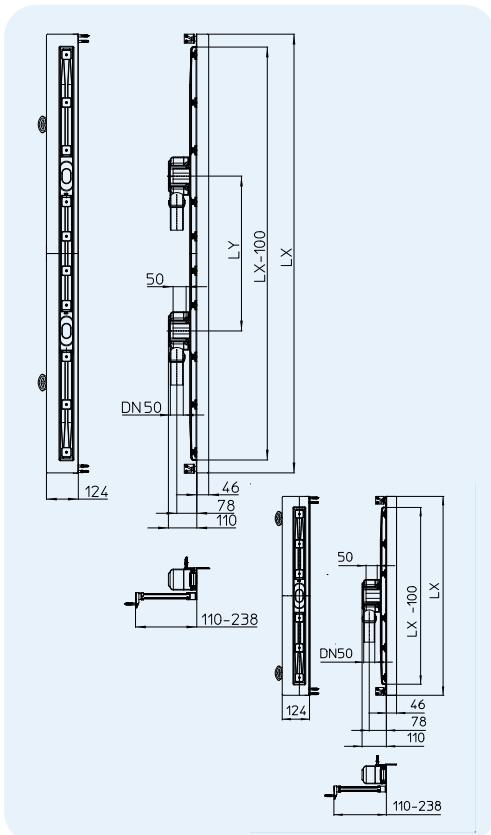


When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

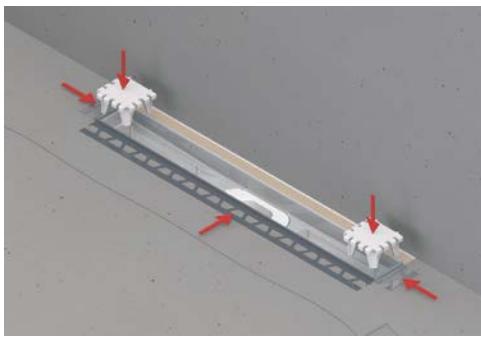
HL-No.	Material	Dimension	length LX	length LY	Capacity	Weight	EAN	Piece/package
HL50FU.0/60	Stainless steel	DN50	600 mm		0,46 l/s	2261 g	+033904	1
HL50FU.0/70	Stainless steel	DN50	700 mm		0,46 l/s	2488 g	+033911	1
HL50FU.0/80	Stainless steel	DN50	800 mm		0,46 l/s	2729 g	+033928	1
HL50FU.0/90	Stainless steel	DN50	900 mm		0,46 l/s	2937 g	+033935	1
HL50FU.0/90.2	Stainless steel	2 x DN50	900 mm	200 mm	0,82 l/s	3194 g	+035762	1
HL50FU.0/100	Stainless steel	DN50	1000 mm		0,46 l/s	3224 g	+033942	1
HL50FU.0/100.2	Stainless steel	2 x DN50	1000 mm	300 mm	0,82 l/s	3481 g	+035779	1
HL50FU.0/110	Stainless steel	DN50	1100 mm		0,46 l/s	3525 g	+033959	1
HL50FU.0/110.2	Stainless steel	2 x DN50	1100 mm	300 mm	0,82 l/s	3782 g	+035786	1
HL50FU.0/120	Stainless steel	DN50	1200 mm		0,46 l/s	3760 g	+033980	1
HL50FU.0/120.2	Stainless steel	2 x DN50	1200 mm	400 mm	0,82 l/s	4017 g	+035793	1
HL50FU.0/130	Stainless steel	DN50	1300 mm		0,46 l/s	3966 g	+033997	1
HL50FU.0/130.2	Stainless steel	2 x DN50	1300 mm	400 mm	0,82 l/s	4140 g	+035809	1
HL50FU.0/140	Stainless steel	2 x DN50	1400 mm	500 mm	0,82 l/s	5840 g	+034000	1
HL50FU.0/150	Stainless steel	2 x DN50	1500 mm	500 mm	0,82 l/s	6120 g	+034017	1
HL50FU.0/160	Stainless steel	2 x DN50	1600 mm	600 mm	0,82 l/s	6260 g	+034024	1
HL50FU.0/170	Stainless steel	2 x DN50	1700 mm	600 mm	0,82 l/s	6600 g	+034031	1
HL50FU.0/180	Stainless steel	2 x DN50	1800 mm	700 mm	0,82 l/s	6820 g	+034048	1
HL50FU.0/190	Stainless steel	2 x DN50	1900 mm	700 mm	0,82 l/s	7060 g	+034055	1
HL50FU.0/200	Stainless steel	2 x DN50	2000 mm	800 mm	0,82 l/s	7240 g	+034062	1
HL50FU.0/210	Stainless steel	2 x DN50	2100 mm	800 mm	0,82 l/s	7560 g	+034079	1

HL50W.0 Shower channel made of stainless steel, installation wall-side, HEIGHT 110 MM!
Data

Capacity	600 – 1300 mm length = 0,8 l/s 1400 – 2100 mm length = 1,4 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50 with ball-joint
Height	110 mm
Standard	EN 1253
Height of seal water	50 mm
Additional information	removable stench trap, with 5cm surrounding sand-coated flange for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water, to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, 2 pieces of edge trim jigs, 2 pieces of tiling gauges



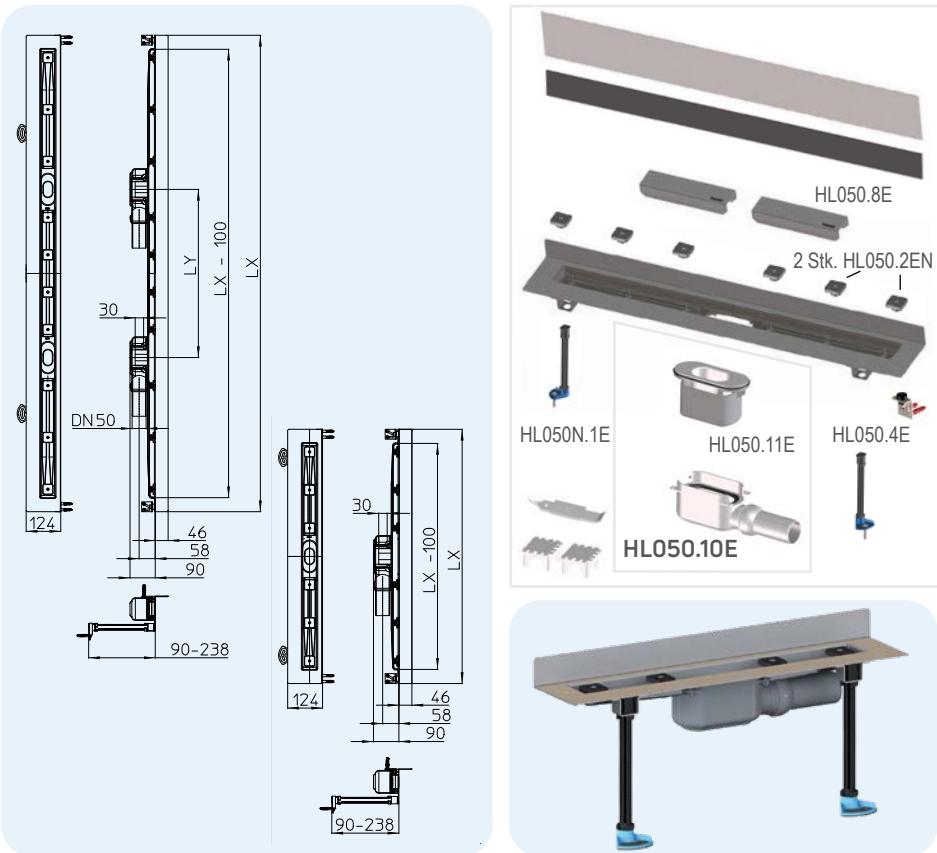
HL-No.	Material	Dimension	length LX	length LY	Capacity	Weight	EAN	Piece/package
HL50W.0/60	Stainless steel	DN50	600 mm		0,8l/s	2409 g	+024759	1
HL50W.0/70	Stainless steel	DN50	700 mm		0,8l/s	2655 g	+024773	1
HL50W.0/80	Stainless steel	DN50	800 mm		0,8l/s	2965 g	+024797	1
HL50W.0/90	Stainless steel	DN50	900 mm		0,8l/s	3248 g	+024810	1
HL50W.0/90.2	Stainless steel	2 x DN50	900 mm	200 mm	1,4 l/s		+032495	1
HL50W.0/100	Stainless steel	DN50	1000 mm		0,8l/s	3462 g	+024834	1
HL50W.0/100.2	Stainless steel	2 x DN50	1000 mm	300 mm	1,4 l/s		+032488	1
HL50W.0/110	Stainless steel	DN50	1100 mm		0,8l/s	3769 g	+024858	1
HL50W.0/110.2	Stainless steel	2 x DN50	1100 mm	300 mm	1,4 l/s		+032501	1
HL50W.0/120	Stainless steel	DN50	1200 mm		0,8l/s	4082 g	+024872	1
HL50W.0/120.2	Stainless steel	2 x DN50	1200 mm	400 mm	1,4 l/s		+032518	1
HL50W.0/130	Stainless steel	DN50	1300 mm		0,8l/s	4283 g	+024896	1
HL50W.0/130.2	Stainless steel	2 x DN50	1300 mm	400 mm	1,4 l/s		+032525	1
HL50W.0/140	Stainless steel	DN50	1400 mm	500 mm	1,4l/s	6200 g	+030385	1
HL50W.0/150	Stainless steel	DN50	1500 mm	500 mm	1,4l/s	6480 g	+030408	1
HL50W.0/160	Stainless steel	DN50	1600 mm	600 mm	1,4l/s	6780 g	+030422	1
HL50W.0/170	Stainless steel	DN50	1700 mm	600 mm	1,4l/s	6960 g	+030446	1
HL50W.0/180	Stainless steel	DN50	1800 mm	700 mm	1,4l/s	7200 g	+030460	1
HL50W.0/190	Stainless steel	DN50	1900 mm	700 mm	1,4l/s	7450 g	+030484	1
HL50W.0/200	Stainless steel	DN50	2000 mm	800 mm	1,4l/s	7920 g	+030507	1
HL50W.0/210	Stainless steel	DN50	2100 mm	800 mm	1,4l/s	8020 g	+030521	1



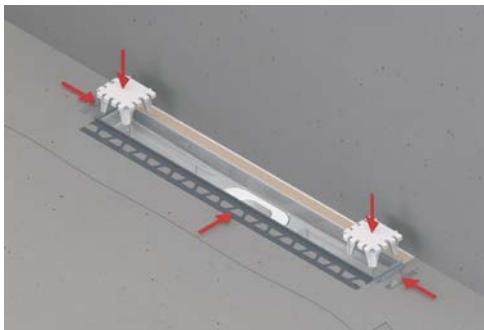
When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

HL50WF.0 Shower channel made of stainless steel, installation wall-side (flat version), HEIGHT 90 MM!
Data

Capacity	600 – 1300 mm length = 0,7 l/s 1400 – 2100 mm length = 1,2 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50 with ball-joint
Height	90 mm
Height of seal water	30 mm
Additional information	removable stench trap, with angled bar at the back, 5cm surrounding sand-coated flange for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water, to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, butyl tape for a waterproof connection to the wall, tape for sound disconnection, 2 pieces of edge trim jigs, 2 pieces of tiling gauges



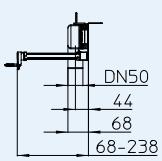
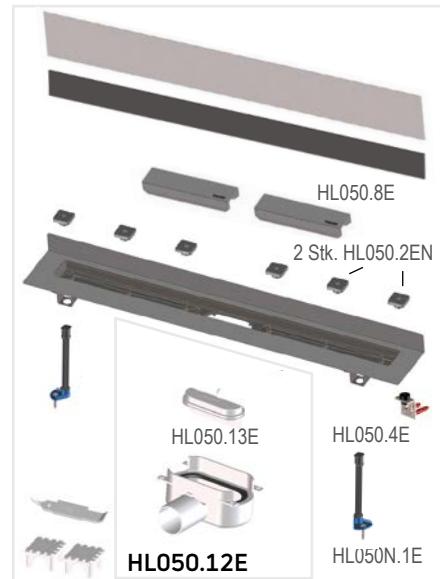
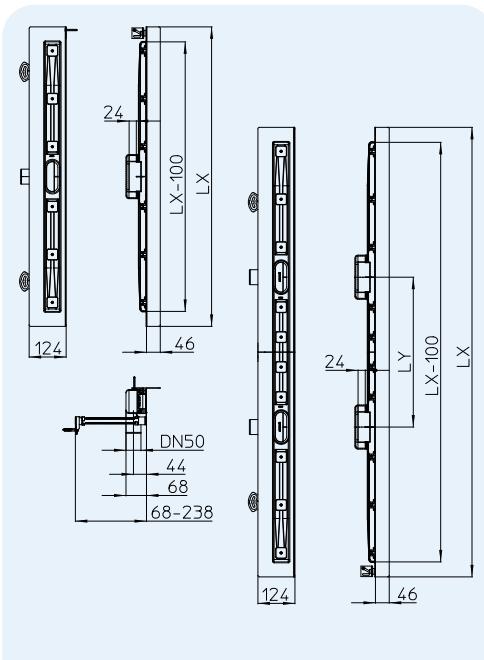
HL-No.	Material	Dimension	length LX	length LY	Capacity	Weight	EAN	Piece/package
HL50WF.0/60	Stainless steel	DN50	600 mm		0,7 l/s	2409 g	+029716	1
HL50WF.0/70	Stainless steel	DN50	700 mm		0,7 l/s	2655 g	+029723	1
HL50WF.0/80	Stainless steel	DN50	800 mm		0,7 l/s	2965 g	+029587	1
HL50WF.0/90	Stainless steel	DN50	900 mm		0,7 l/s	3248 g	+029594	1
HL50WF.0/90.2	Stainless steel	2 x DN50	900 mm	200 mm	1,2 l/s		+035663	1
HL50WF.0/100	Stainless steel	DN50	1000 mm		0,7 l/s	3462 g	+029730	1
HL50WF.0/100.2	Stainless steel	2 x DN50	1000 mm	300 mm	1,2 l/s		+035670	1
HL50WF.0/110	Stainless steel	DN50	1100 mm		0,7 l/s	3769 g	+029747	1
HL50WF.0/110.2	Stainless steel	2 x DN50	1100 mm	300 mm	1,2 l/s		+035687	1
HL50WF.0/120	Stainless steel	DN50	1200 mm		0,7 l/s	4082 g	+029754	1
HL50WF.0/120.2	Stainless steel	2 x DN50	1200 mm	400 mm	1,2 l/s		+035694	1
HL50WF.0/130	Stainless steel	DN50	1300 mm		0,7 l/s	4283 g	+029709	1
HL50WF.0/130.2	Stainless steel	2 x DN50	1300 mm	400 mm	1,2 l/s		+035700	1
HL50WF.0/140	Stainless steel	DN50	1400 mm	500 mm	1,2 l/s	6200 g	+033447	1
HL50WF.0/150	Stainless steel	DN50	1500 mm	500 mm	1,2 l/s	6480 g	+033454	1
HL50WF.0/160	Stainless steel	DN50	1600 mm	600 mm	1,2 l/s	6780 g	+033461	1
HL50WF.0/170	Stainless steel	DN50	1700 mm	600 mm	1,2 l/s	6960 g	+033478	1
HL50WF.0/180	Stainless steel	DN50	1800 mm	700 mm	1,2 l/s	7200 g	+033485	1
HL50WF.0/190	Stainless steel	DN50	1900 mm	700 mm	1,2 l/s	7450 g	+033492	1
HL50WF.0/200	Stainless steel	DN50	2000 mm	800 mm	1,2 l/s	7920 g	+033508	1
HL50WF.0/210	Stainless steel	DN50	2100 mm	800 mm	1,2 l/s	8020 g	+033515	1



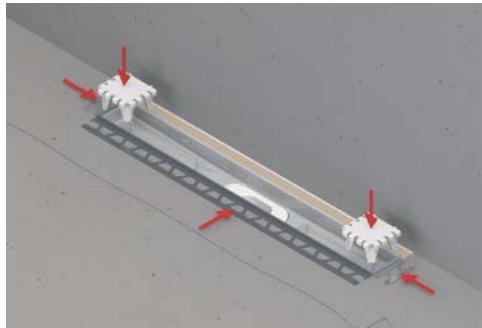
When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

HL50WU.0 Shower channel made of stainless steel, installation wall-side (extra flat), HEIGHT 68 MM!
Data

Capacity	600 - 1300 mm length = 0,46 l/s 1400 - 2100 mm length = 0,82 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50
Height	68 mm
Height of seal water	24 mm
Additional information	Removable stench trap, with 5cm surrounding sand coated flange and angled bar at the back for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water, to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, butyl tape for a waterproof connection to the wall, tape for sound disconnection, 2 pieces of edge trim jigs, 2 pieces of tiling gauges.



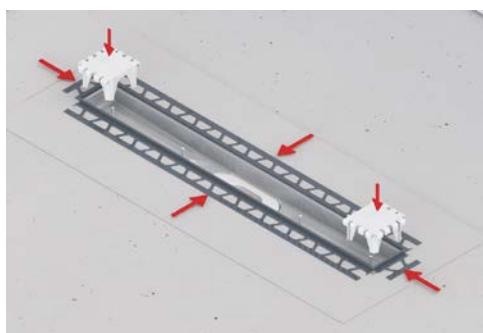
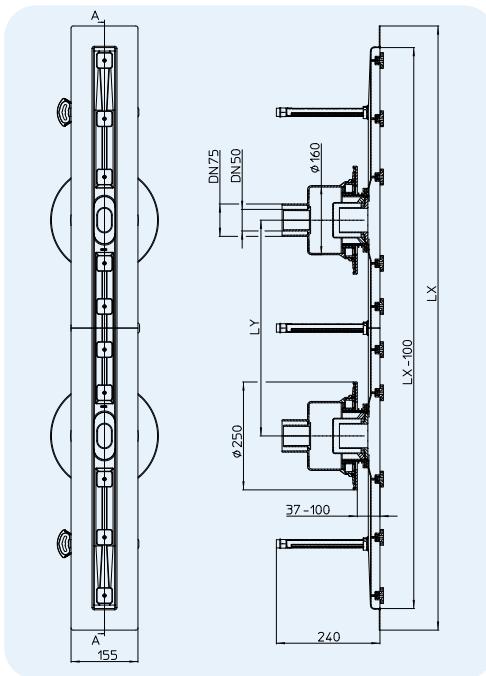
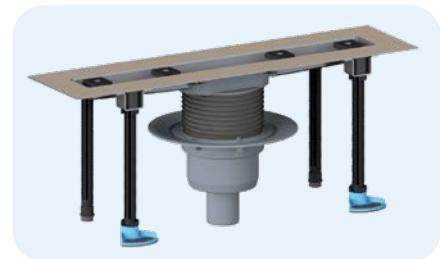
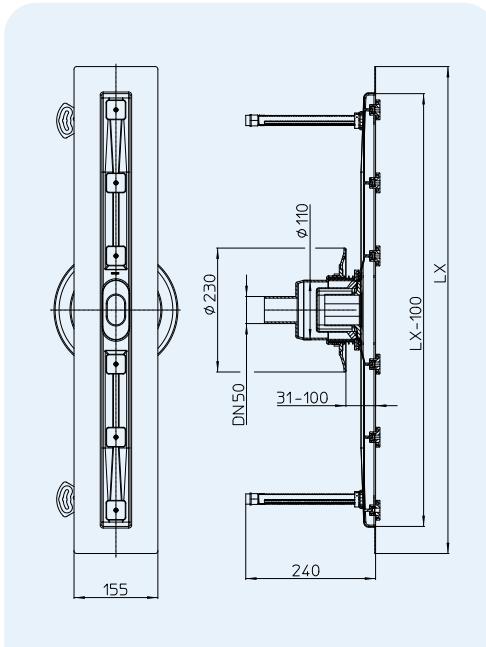
HL-No.	Material	Dimension	length LX	length LY	Capacity	Weight	EAN	Piece/package
HL50WU.0/60	Stainless steel	DN50	600 mm		0,46 l/s	2409 g		1
HL50WU.0/70	Stainless steel	DN50	700 mm		0,46 l/s	2655 g		1
HL50WU.0/80	Stainless steel	DN50	800 mm		0,46 l/s	2965 g		1
HL50WU.0/90	Stainless steel	DN50	900 mm		0,46 l/s	3248 g		1
HL50WU.0/90.2	Stainless steel	2 x DN50	900 mm	200 mm	0,82 l/s			1
HL50WU.0/100	Stainless steel	DN50	1000 mm		0,46 l/s	3462 g		1
HL50WU.0/100.2	Stainless steel	2 x DN50	1000 mm	300 mm	0,82 l/s			1
HL50WU.0/110	Stainless steel	DN50	1100 mm		0,46 l/s	3769 g		1
HL50WU.0/110.2	Stainless steel	2 x DN50	1100 mm	300 mm	0,82 l/s			1
HL50WU.0/120	Stainless steel	DN50	1200 mm		0,46 l/s	4082 g		1
HL50WU.0/120.2	Stainless steel	2 x DN50	1200 mm	400 mm	0,82 l/s			1
HL50WU.0/130	Stainless steel	DN50	1300 mm		0,46 l/s	4283 g		1
HL50WU.0/130.2	Stainless steel	2 x DN50	1300 mm	400 mm	0,82 l/s			1
HL50WU.0/140	Stainless steel	DN50	1400 mm	500 mm	0,82 l/s	6200 g		1
HL50WU.0/150	Stainless steel	DN50	1500 mm	500 mm	0,82 l/s	6480 g		1
HL50WU.0/160	Stainless steel	DN50	1600 mm	600 mm	0,82 l/s	6780 g		1
HL50WU.0/170	Stainless steel	DN50	1700 mm	600 mm	0,82 l/s	6960 g		1
HL50WU.0/180	Stainless steel	DN50	1800 mm	700 mm	0,82 l/s	7200 g		1
HL50WU.0/190	Stainless steel	DN50	1900 mm	700 mm	0,82 l/s	7450 g		1
HL50WU.0/200	Stainless steel	DN50	2000 mm	800 mm	0,82 l/s	7920 g		1
HL50WU.0/210	Stainless steel	DN50	2100 mm	800 mm	0,82 l/s	8020 g		1



When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

HL50FV.0 Shower channel made of stainless steel, installation in the surface, with vertical outlet**Data**

Capacity	600 - 1300 mm length = 0,8 l/s 1400 - 2100 mm length = 1,4 l/s
Material	Stainless steel 1.4301/PP
Outlet dimension	DN50 vertical
Height	See techn. drawing
Standard	EN 1253
Height of seal water	50 mm
Additional information	Removable stench trap, with 5cm surrounding sand-coated flange for a save connection to the under-tile waterproofing. The frameless design makes it possible, to choose border bars, fitting to the tiles and enables under-tile leakage water to flow into the trap.
Including	Sound absorbing height adjustable levelling legs, 2 pieces of edge trim jigs, 2 pieces of tiling gauges

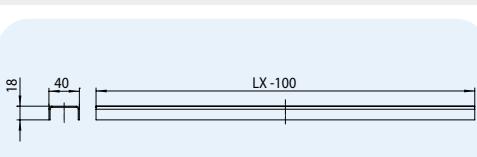


When using ceramic tiles we recommend to produce an individual frame made of tiling profiles.

HL-No.	Material	Dimension	Length LX	Length LY	Capacity	Weight	EAN	Piece/package
50FV.0/60	Stainless steel	DN50	600 mm		0,8 l/s	3760 g	+03792	1
50FV.0/70	Stainless steel	DN50	700 mm		0,8 l/s	3840 g	+03777	1
50FV.0/80	Stainless steel	DN50	800 mm		0,8 l/s	4060 g	+03793	1
50FV.0/90	Stainless steel	DN50	900 mm		0,8 l/s	4100 g	+03773	1
50FV.0/100	Stainless steel	DN50	1000 mm		0,8 l/s	4850 g	+03794	1
50FV.0/110	Stainless steel	DN50	1100 mm		0,8 l/s	5010 g	+03795	1
50FV.0/120	Stainless steel	DN50	1200 mm		0,8 l/s	5210 g	+03796	1
50FV.0/130	Stainless steel	DN50	1300 mm		0,8 l/s	5280 g	+03797	1
50FV.0/140	Stainless steel	DN50	1400 mm	500 mm	1,4 l/s	8250 g	+03798	1
50FV.0/150	Stainless steel	DN50	1500 mm	500 mm	1,4 l/s	8500 g	+03799	1
50FV.0/160	Stainless steel	DN50	1600 mm	600 mm	1,4 l/s	8650 g	+03800	1
50FV.0/170	Stainless steel	DN50	1700 mm	600 mm	1,4 l/s	8900 g	+03801	1
50FV.0/180	Stainless steel	DN50	1800 mm	700 mm	1,4 l/s	9130 g	+03802	1
50FV.0/190	Stainless steel	DN50	1900 mm	700 mm	1,4 l/s	9380 g	+03803	1
50FV.0/200	Stainless steel	DN50	2000 mm	800 mm	1,4 l/s	9620 g	+03804	1
50FV.0/210	Stainless steel	DN50	2100 mm	800 mm	1,4 l/s	9870 g	+03805	1

HL050S Cover plate „Standard“, made of stainless steel - for shower channels
Data

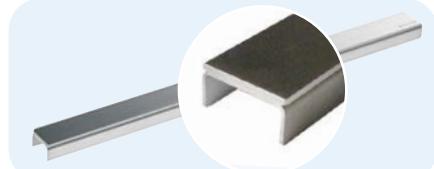
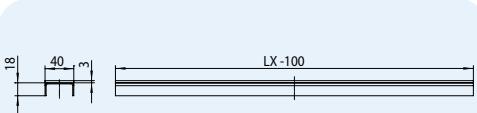
Material	Stainless steel 1.4301
Height	Usage for floorings from 2 – 16 mm including tile glue
Load classification	K3 (300 kg)



HL-No.	Material	length LX-100	Weight	EAN	Piece/package	HL-No.	Material	length LX-100	Weight	EAN	Piece/package
050S/60	Stainless steel	500 mm	410 g	+024919	1	050S/140	Stainless steel	1300 mm	1074 g	+029891	1
050S/70	Stainless steel	600 mm	490 g	+024933	1	050S/150	Stainless steel	1400 mm	1156 g	+029914	1
050S/80	Stainless steel	700 mm	583 g	+024957	1	050S/160	Stainless steel	1500 mm	1238 g	+029938	1
050S/90	Stainless steel	800 mm	672 g	+024971	1	050S/170	Stainless steel	1600 mm	1320 g	+029952	1
050S/100	Stainless steel	900 mm	746 g	+024995	1	050S/180	Stainless steel	1700 mm	1402 g	+029976	1
050S/110	Stainless steel	1000 mm	830 g	+025015	1	050S/190	Stainless steel	1800 mm	1484 g	+029990	1
050S/120	Stainless steel	1100 mm	900 g	+025039	1	050S/200	Stainless steel	1900 mm	1566 g	+030026	1
050S/130	Stainless steel	1200 mm	992 g	+025053	1	050S/210	Stainless steel	2000 mm	1648 g	+030040	1

HL050D Cover plate „Design“, made of stainless steel - for shower channels
Data

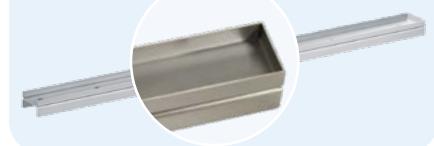
Material	Stainless steel 1.4301 brushed finish
Height	Usage for floorings from 5 – 19 mm including tile glue
Load classification	K3 (300 kg)



HL-No.	Material	length LX-100	Weight	EAN	Piece/package	HL-No.	Material	length LX-100	Weight	EAN	Piece/package
050D/60	Stainless steel	500 mm	872 g	+025077	1	050D/140	Stainless steel	1300 mm	2322 g	+603007	1
050D/70	Stainless steel	600 mm	1041 g	+025091	1	050D/150	Stainless steel	1400 mm	2528 g	+603009	1
050D/80	Stainless steel	700 mm	1260 g	+025114	1	050D/160	Stainless steel	1500 mm	2734 g	+603011	1
050D/90	Stainless steel	800 mm	1395 g	+025138	1	050D/170	Stainless steel	1600 mm	2940 g	+603013	1
050D/100	Stainless steel	900 mm	1550 g	+025152	1	050D/180	Stainless steel	1700 mm	3146 g	+603015	1
050D/110	Stainless steel	1000 mm	1757 g	+025176	1	050D/190	Stainless steel	1800 mm	3352 g	+603017	1
050D/120	Stainless steel	1100 mm	1954 g	+025190	1	050D/200	Stainless steel	1900 mm	3558 g	+603019	1
050D/130	Stainless steel	1200 mm	2116 g	+025213	1	050D/210	Stainless steel	2000 mm	3764 g	+603021	1

HL050I Cover plate "Individuell", made of stainless steel - for shower channels
Data

Material	Stainless steel 1.4301 brushed finish
Height	Usage for floorings from 16 – 30 mm including tile glue
Load classification	K3 (300 kg)
Additional information	with recess for customers individual floor finish



HL-No.	Material	length LX-100	Weight	EAN	Piece/package	HL-No.	Material	length LX-100	Weight	EAN	Piece/package
050I/60	Stainless steel	500 mm	766 g	+025237	1	050I/140	Stainless steel	1300 mm	2003 g	+030224	1
050I/70	Stainless steel	600 mm	914 g	+025251	1	050I/150	Stainless steel	1400 mm	2151 g	+030248	1
050I/80	Stainless steel	700 mm	1060 g	+025275	1	050I/160	Stainless steel	1500 mm	2299 g	+030262	1
050I/90	Stainless steel	800 mm	1213 g	+025299	1	050I/170	Stainless steel	1600 mm	2447 g	+030286	1
050I/100	Stainless steel	900 mm	1412 g	+025312	1	050I/180	Stainless steel	1700 mm	2595 g	+030309	1
050I/110	Stainless steel	1000 mm	1488 g	+025336	1	050I/190	Stainless steel	1800 mm	2743 g	+030323	1
050I/120	Stainless steel	1100 mm	1723 g	+025350	1	050I/200	Stainless steel	1900 mm	2891 g	+030347	1
050I/130	Stainless steel	1200 mm	1855 g	+025374	1	050I/210	Stainless steel	2000 mm	3039 g	+030361	1

HL050.3EN Adjustment screws for the precise cover height
Data

Material	PP
Recommended for	For the adapting of the cover plates to higher floorings, like natural stones



Shower channel	Requ. quant. of sets	Used cover plate	Adjustable in height
60 – 70 cm	2	Standard	15 – 29 mm
80 – 110 cm	3	Design	18 – 32 mm
120 – 130 cm	4		
140 – 180 cm	5		
190 – 210 cm	6	Individuell	29 – 43 mm

HL-No.	Material	Weight	EAN	Piece/package
050.3EN	PP	296 g	+025862	1

HL53 - In|Floor system family

In|Floor design cover HL053M - massive stainless steel, **brushed**; length: from 80cm to 150cm



In|Floor design cover HL053P - massive stainless steel, **polished**; length: from 80cm to 150cm



In|Floor design cover HL053S - stainless steel, **brushed**; length: 90cm, 100cm and 120cm



„Wall“ standard cover HL053WS - stainless steel, **brushed**; Length: 90cm, 100cm or 120cm



In|Floor short channel HL052M stainless steel **brushed**



In|Floor short channel HL052P stainless steel **polished**



„Wall“ design cover „duo-wall“ HL053M.2 - massive stainless steel **brushed**; Length: from 130cm to 200cm



„Wall“ design cover „duo-wall“ HL053P.2 - massive stainless steel **polished**; Length: from 130cm to 200cm



HL53 - In|Floor system family

Drain body HL53K

Height: 90mm

Flow rate: 0,8l/s



Drain body HL53KF

Height: 65mm

Flow rate: 0,5l/s



Drain body HL53KV

Vertical outlet

Flow rate: 1l/s



Drain body „Duo wall“ HL53K.2

Height: 90mm

Flow rate: 1,45l/s



Drain body „Duo wall“ HL53KF.2

Height: 65mm

Flow rate: 0,86l/s



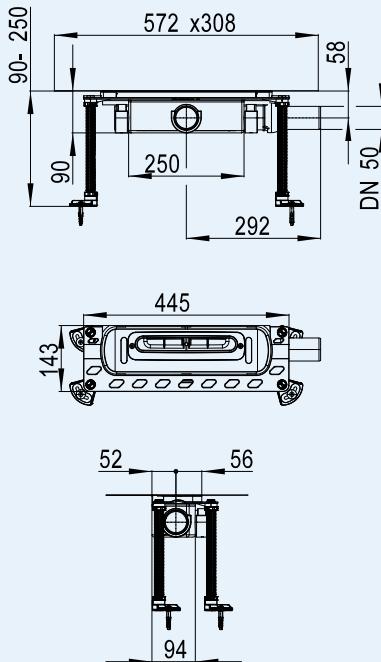
HL53K „In|Floor“ drain body for shower channel or short shannel, MIN. HEIGHT 90 MM !

Data

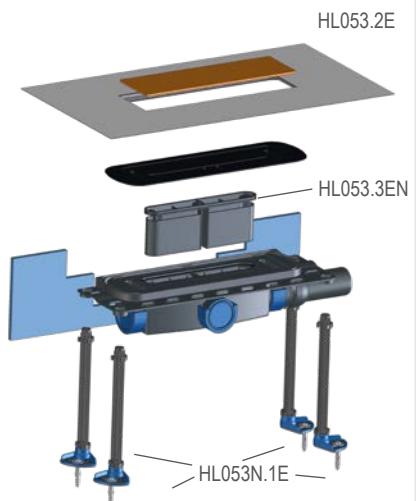
Capacity	20 mm above drain level: 0,8l/s 10 mm above drain level: 0,6l/s
Material	PP
Outlet	DN50
Height	90 - 250 mm adjustable
Standard	EN 1253
Trap (water height)	50 mm
Fits to	HL053S, HL053WS, HL053M(P), HL052M(P)
Additional information	Incl. removable trap and flexible waterproofing membrane.
Installation	Installation wallside or in the surface.

Please see movie www.hl.at

HL53K



HL53K



HL-No.
53K

Material
PP

Dimension
DN50

Weight
1336 g

EAN
+041244

Piece/package
1

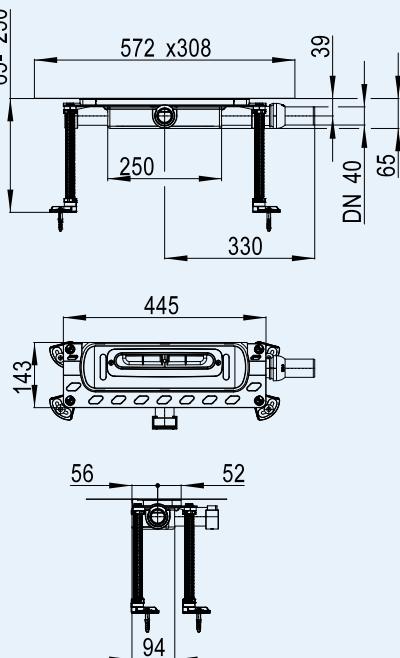
HL53KF „In|Floor“ flat drain body for shower channel or short shannel, MIN. HEIGHT 65 MM !

Data

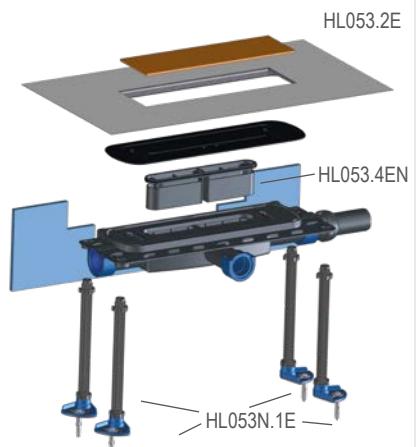
Capacity	20 mm above drain level: 0,45l/s 10 mm above drain level: 0,5l/s
Material	PP
Outlet	DN40
Height	65 - 250 mm adjustable
Standard	EN 1253
Trap (water height)	30 mm
Fits to	HL053S, HL053WS, HL053M(P), HL052M(P)
Additional information	Incl. removable trap and flexible waterproofing membrane.
Installation	Installation wallside or in the surface.

Please see movie www.hl.at

HL53KF



HL53KF



HL-No.
53KF

Material
PP

Dimension
DN40

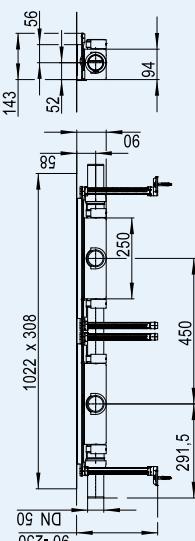
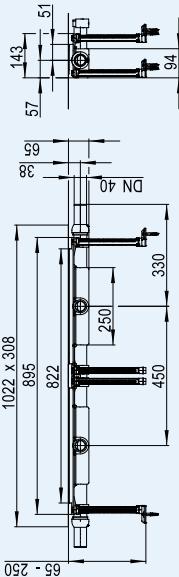
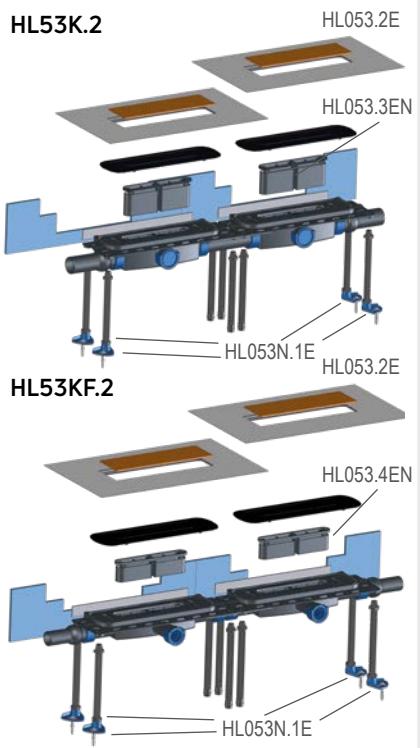
Weight
1250 g

EAN
+041251

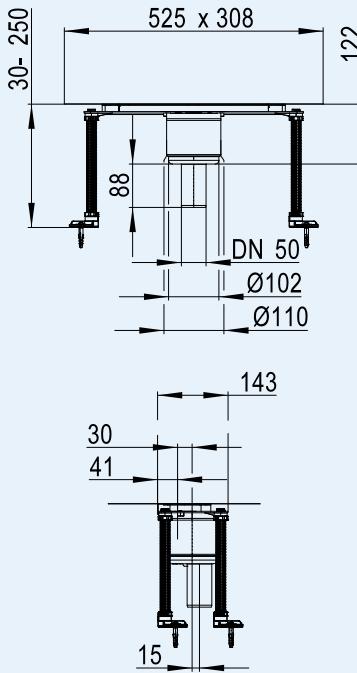
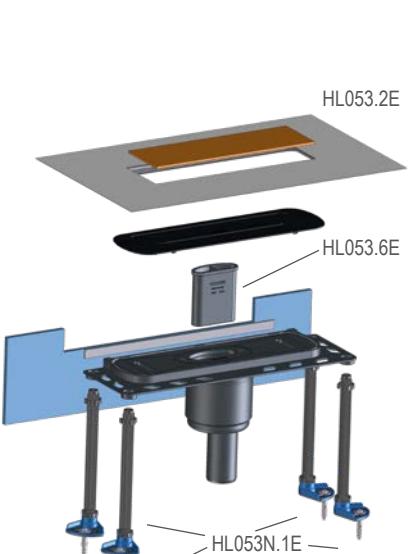
Piece/package
1

HL53K.2 „Wall“ DUO drain body for shower channel HL053M(P).2, HEIGHT 90MM!
HL53KF.2 „Wall“ DUO flat drain body for shower channel HL053M(P).2, HEIGHT 65MM!
Data

Capacity	20 mm above drain level: HL53K.2=1,45/l/s; HL53KF.2=0,86/l/s 10 mm above drain level: HL53K.2=0,9/l/s; HL53KF.2=0,8/l/s
Material	PP
Outlet	HL53K.2: 2 x DN50 HL53KF.2: 2 x DN40
Installation height	HL53K.2: 90 - 250 mm adjustable HL53KF.2: 65 - 250 mm adjustable
Standard	EN 1253
Siphon	HL53K.2: 50mm water trap HL53KF.2: 30mm water trap
Fits to	HL053M.2, HL053P.2
Additional information	incl. removable water traps, 2 flexible waterproof membranes and fixing legs; installation only close to the wall;
Installation	Only close to the wall

HL53K.2

HL53KF.2

HL53K.2

HL53KV „In|Floor“ vertical drain body for shower channel or short channel
Data

Capacity	20 mm above drain level: 0,9l/s 10 mm above drain level: 1,0l/s
Material	PP
Outlet	DN50
Installation height	30 - 131 mm adjustable
Standard	EN 1253
Siphon	50mm water trap
Fits to	HL053S, HL053WS, HL053M(P), HL052M(P)
Additional information	incl. removable water trap, polymer concrete collar with steel grid (only HL53KVC) and flexible waterproof membrane; installation in the shower surface or close to the wall. Incl. 4 adjustable fixing legs
Installation	In the surface of the shower or close to the wall

HL53KV

HL53KV


HL-No.	Material	Dimension	Weight	EAN	Piece/package
HL53KV	PP	DN50	1500 g	+047154	1

HL053M/.... „In|Floor“ design shower channel made of matt stainless steel with integrated cross slope
HL053P/... „In|Floor“ design shower channel made of polished stainless steel with integrated cross slope

Data

Material	Stainless steel V2A (1.4301) massive 6mm
Please see chart	Please see chart
Load classification	K3 - max. 300 kg
Fits to	HL53K(F), HL53KV(C), HL53K(F)C
Additional information	In combination with drain body HL53K(F), drainage strip with multiple precision slope usage for: floor tiles 10 - 32 mm and wall tiles 12 - 24 mm (incl. tile glue)
Included	Installation accessories and lot cover
Installation	Installation wallside or in the surface.



HL-No.	Material	Dimension	Surface	Weight	EAN	Piece/package
053M/80	Stainless steel V2A	800 x 55 x 6 mm	matt	3650 g	+041428	1
053M/85	Stainless steel V2A	850 x 55 x 6 mm	matt	3800 g	+041275	1
053M/90	Stainless steel V2A	900 x 55 x 6 mm	matt	3950 g	+041282	1
053M/95	Stainless steel V2A	950 x 55 x 6 mm	matt	4100 g	+041299	1
053M/100	Stainless steel V2A	1000 x 55 x 6 mm	matt	4300 g	+041305	1
053M/110	Stainless steel V2A	1100 x 55 x 6 mm	matt	4550 g	+041312	1
053M/120	Stainless steel V2A	1200 x 55 x 6 mm	matt	4700 g	+041329	1
053M/130	Stainless steel V2A	1300 x 55 x 6 mm	matt	4850 g	+041336	1
053M/140	Stainless steel V2A	1400 x 55 x 6 mm	matt	5150 g	+041343	1
053M/150	Stainless steel V2A	1500 x 55 x 6 mm	matt	5450 g	+041350	1
053P/80	Stainless steel V2A	800 x 55 x 6 mm	polished	3650 g	+041428	1
053P/85	Stainless steel V2A	850 x 55 x 6 mm	polished	3800 g	+041435	1
053P/90	Stainless steel V2A	900 x 55 x 6 mm	polished	3950 g	+041466	1
053P/95	Stainless steel V2A	950 x 55 x 6 mm	polished	4100 g	+041473	1
053P/100	Stainless steel V2A	1000 x 55 x 6 mm	polished	4300 g	+041367	1
053P/110	Stainless steel V2A	1100 x 55 x 6 mm	polished	4550 g	+041374	1
053P/120	Stainless steel V2A	1200 x 55 x 6 mm	polished	4700 g	+041381	1
053P/130	Stainless steel V2A	1300 x 55 x 6 mm	polished	4850 g	+041398	1
053P/140	Stainless steel V2A	1400 x 55 x 6 mm	polished	5150 g	+041404	1
053P/150	Stainless steel V2A	1500 x 55 x 6 mm	polished	5450 g	+041411	1

HL053S/.... „In|Floor“ shower channel „Standard“ made of stainless steel with integrated cross slope

Data

Material	Stainless steel V2A (1.4301)
Dimensions	please see chart
Load classification	K3 - max. 300 kg
Fits to	HL53K(F), HL53KV(C), HL53K(F)C
Additional information	in combination with drain body HL53K(F), drainage strip with integrated cross slope; usage for floor tiles 12 - 32 mm and wall tiles 12 - 24 mm (incl. tile glue). may be cut to minimum length of 450mm
Including	Installation accessories and lot cover
Installation	Installation wallside or in the surface.

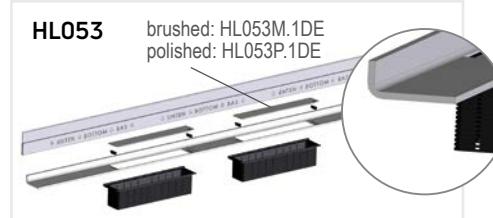
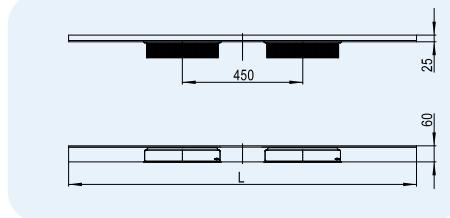


HL-No.	Material	Dimension	Surface	Weight	EAN	Piece/package
053S/90	Stainless steel V2A	900 x 55 x 1,5 mm	matt	1350 g	+045211	1
053S/100	Stainless steel V2A	1000 x 55 x 1,5 mm	matt	1350 g	+045198	1
053S/120	Stainless steel V2A	1200 x 55 x 1,5 mm	matt	1360 g	+045204	1

HL053M.2/... „Wall“ DUO design shower channel, brushed stainless steel
HL053P.2/... „Wall“ DUO design shower channel, polished stainless steel

Data

Material	Massive stainless steel V2A (1.4301) - 6mm
Size	See sheet below
Load classification	K3 - max. 300 kg
Fits to	HL53K(F).2
Additional information	Installation in combination with double drain body "Wall" DUO. Channel with 2 inlets and wall angle, position only close to the wall; Channel with lateral shaped slope. Usable for floor tiles from 10 to 24 mm and wall tiles from 12 - 24 mm (incl. tile glue)
Including	Installation accessories and lot cover
Installation	Only close to the wall

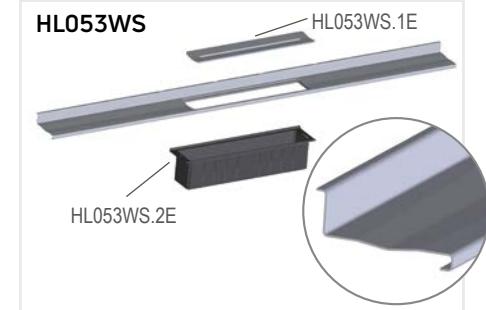
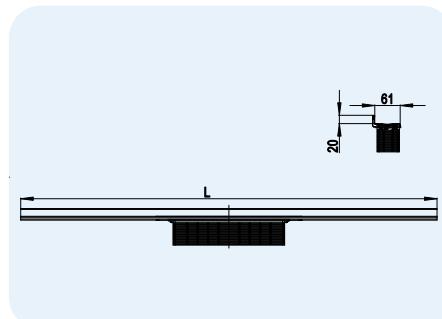


HL-No.	Material	Dimension	Surface	Weight	EAN	Piece/package
HL053M.2/130	Stainless steel V2A	1300 x 60 x 25 mm	matt	4700 g	+047642	1
HL053M.2/140	Stainless steel V2A	1400 x 60 x 25 mm	matt	5050 g	+047659	1
HL053M.2/150	Stainless steel V2A	1500 x 60 x 25 mm	matt	5330 g	+047666	1
HL053M.2/160	Stainless steel V2A	1600 x 60 x 25 mm	matt	5490 g	+047673	1
HL053M.2/170	Stainless steel V2A	1700 x 60 x 25 mm	matt	5560 g	+047680	1
HL053M.2/180	Stainless steel V2A	1800 x 60 x 25 mm	matt	6000 g	+047697	1
HL053M.2/190	Stainless steel V2A	1900 x 60 x 25 mm	matt	6100 g	+047703	1
HL053M.2/200	Stainless steel V2A	2000 x 60 x 25 mm	matt	6400 g	+047710	1
HL053P.2/130	Stainless steel V2A	1300 x 60 x 25 mm	polished	4670 g	+047727	1
HL053P.2/140	Stainless steel V2A	1400 x 60 x 25 mm	polished	4920 g	+047734	1
HL053P.2/150	Stainless steel V2A	1500 x 60 x 25 mm	polished	5200 g	+047741	1
HL053P.2/160	Stainless steel V2A	1600 x 60 x 25 mm	polished	5470 g	+047758	1
HL053P.2/170	Stainless steel V2A	1700 x 60 x 25 mm	polished	5750 g	+047765	1
HL053P.2/180	Stainless steel V2A	1800 x 60 x 25 mm	polished	6120 g	+047772	1
HL053P.2/190	Stainless steel V2A	1900 x 60 x 25 mm	polished	6280 g	+047789	1
HL053P.2/200	Stainless steel V2A	2000 x 60 x 25 mm	polished	6550 g	+047796	1

HL053WS „Wall“ shower channel „standard“, stainless steel with wallside angle and integrated cross slope

Data

Material	Stainless steel V2A (1.4301)
Dimensions	please see chart
Load classification	K3 - max. 300 kg
Fits to	HL53K(F), HL53KV(C), HL53K(F)C
Additional information	Additional Installation in combination with drain body HL53-series, shower information channel with integrated cross slope and 2cm wallside angle. For floor tiles 12 - 32 mm and wall tiles 12 - 24 mm (incl. tile glue). Minimum cuttable size: 450mm
Including	Installation accessories and lot cover
Installation	Only close to the wall



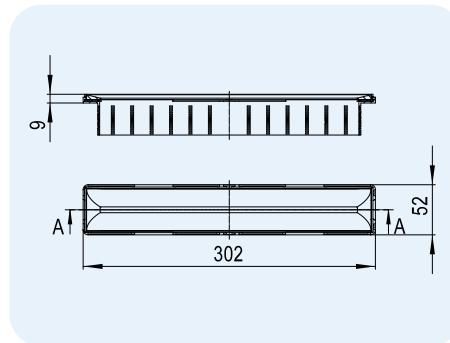
HL-No.	Material	Dimension	Surface	Weight	EAN	Piece/package
053WS/90	Stainless steel V2A	900 x 55 x 1,5 mm	matt	1350 g	+048991	1
053WS/100	Stainless steel V2A	1000 x 55 x 1,5 mm	matt	1360 g	+048977	1
053WS/120	Stainless steel V2A	1200 x 55 x 1,5 mm	matt	1380 g	+048984	1

HL052M „In|Floor“ short channel, brushed

HL052P „In|Floor“ short channel, polished

Data

Material	Stainless steel V2A (1.4301)
Size	52 x 302 mm
Load classification	K3 - max. 300 kg
Fits to	HL53K(F), HL53KV(C), HL53K(F)C
Additional information	Usage for all "In Floor" drain bodies. Height from 11 to 38 mm
Including	Installation accessories and lot cover
Installation	Only close to the wall



HL-No.	Material	Dimension	Surface	Weight	EAN	Piece/package
HL052M	Edelstahl V2A	302 x 52 mm	matt	4700 g	+047642	1
HL052P	Edelstahl V2A	302 x 52 mm	polished	5050 g	+047659	1

HL531Prblue Shower channel Primus blue with stainless steel frame and cover, HEIGHT 75 MM !
HL531Prblue.1.(2).(3) Shower channel Primus blue with stainless steel frame in color, HEIGHT 75 MM !
Data

Description Shower channel, integrated in an EPS element with stainless steel frame and cover. Surface is waterproof fleece-laminated. For installation on the wall.

Drainage capacity accumulation height
10 mm 20 mm
0.5 l/s 0.6 l/s

Material PP/ABS/EPS-40/
stainless steel V2A

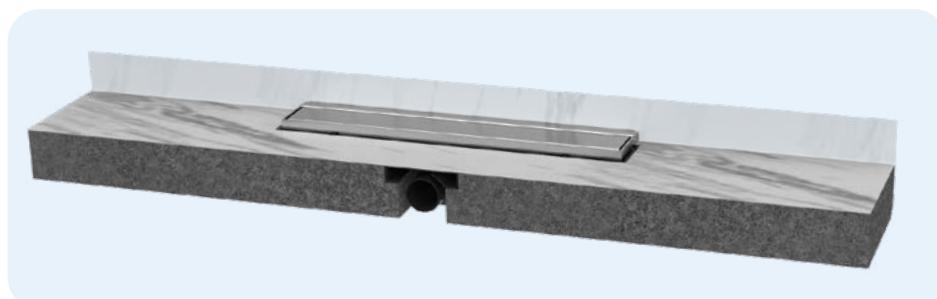
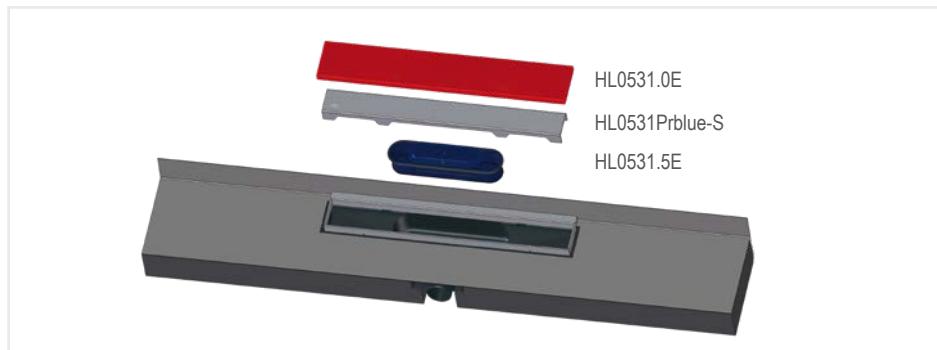
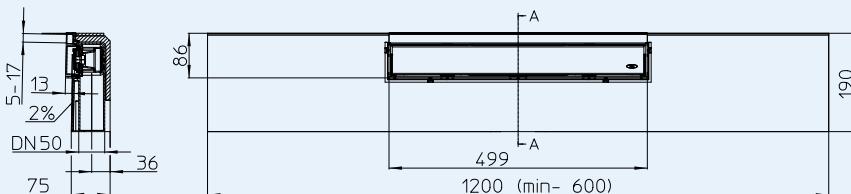
Inlet Stainless steel frame 500 x 86 x
13 mm, cover 486 x 56 mm

Outlet DN50 horizontal

Standard EN 1253

Odor trap New Primus blue, combined trap
with sealing water and mechanical
odor barrier (absolutely odor-tight
even without water). Backflow-
proof up to 30 cm accumulation
height.

Installation The exact adjustment of the
shower channel is made by simply
cutting the EPS element to length
on site. Length from 600mm to
1200mm, width 190 mm, height
75mm incl. 2% slope to the
wall. For Wall tiles from 5 mm to
17mm and floor tiles 13mm (incl.
adhesive). Can be extended with
HL531V. See also installation
movie at www.hl.at

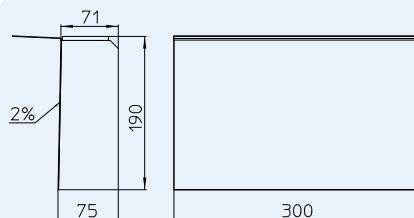


HL-No.	Visible part	Dimension	Frame height	Material	Weight	EAN	Piece/Package
531Prblue	Cover Standard Stainless steel mat	1200 x 190 x 75 mm	13	PP/EPS-40/stainless steel V2A	+051571	1	
531Prblue-I	Cover Individual Stainless steel mat	1200 x 190 x 75 mm	13	PP/EPS-40/stainless steel V2A	+051670	1	
531Prblue.0	Stainless steel mat, without cover	1200 x 190 x 75 mm	13	PP/EPS-40/stainless steel V2A	+051595	1	
531Prblue.1	PVD-coated black matt, without cover	1200 x 190 x 75 mm	13	PP/EPS-40/stainless steel V2A	+051601	1	
531Prblue.2	PVD-coated rose gold matt, without cover	1200 x 190 x 75 mm	13	PP/EPS-40/stainless steel V2A	+051618	1	
531Prblue.3	PVD-coated brass matt, without cover	1200 x 190 x 75 mm	13	PP/EPS-40/stainless steel V2A	+051625	1	

HL531V Elongation element for HL531Prblue
Data

Material EPS-40

Additional information To elongate shower channel
HL531Prblue, e.g. for multiple
shower facilities. May be cut to
any length, with fleece-laminated
surface.



HL-No.	Material	Dimension	Weight	EAN	Piece/package
531V	EPS-40	300 x 190 x 75 mm			1

HL0531Prblue-S Cover Standard for shower channel HL531Prblue, available in 4 different colors

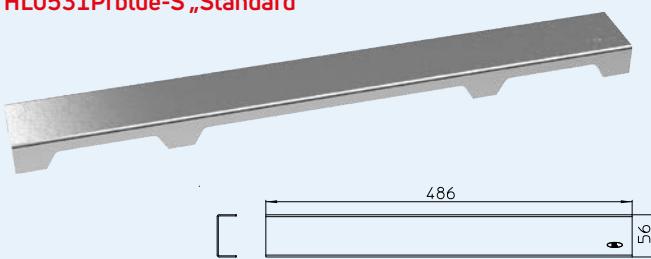
HL0531Prblue-D Cover Design for shower channel HL531Prblue, available in 4 different colors

HL0531Prblue-I Cover Individual for shower channel HL531Prblue, available in 4 different colors

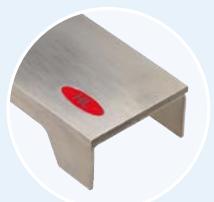
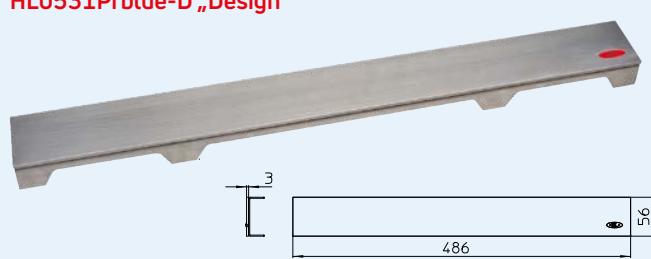
Data

Material	Stainless steel V2A, Colors: PVD-coated
Dimensions	HL0531Prblue-S: 486 x 56 mm HL0531Prblue-D: 486 x 56 mm HL0531Prblue-I: Gap for tile: 480 x 50 mm, depth 12 mm
Load classification	K3 - max. 300 kg

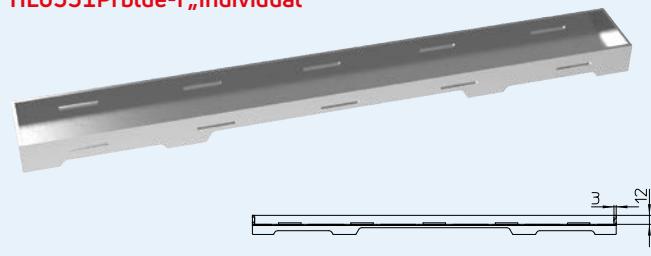
HL0531Prblue-S „Standard“



HL0531Prblue-D „Design“



HL0531Prblue-I „Individual“



HL-No.	Visible part / Color	Dimension	Material	Weight	EAN	Piece/Package
HL0531Prblue-S	Stainless steel mat Standard	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051717	1
HL0531Prblue-S.1	PVD-coated black mat Standard	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051724	1
HL0531Prblue-S.2	PVD-coated rose gold mat Standard	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051731	1
HL0531Prblue-S.3	PVD-coated brass mat Standard	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051748	1
HL0531Prblue-D	Stainless steel mat Design	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051632	1
HL0531Prblue-D.1	PVD-coated black mat Design	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051649	1
HL0531Prblue-D.2	PVD-coated rose gold mat Design	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051656	1
HL0531Prblue-D.3	PVD-coated brass mat Design	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051663	1
HL0531Prblue-I	Stainless steel mat Individual	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051670	1
HL0531Prblue-I.1	PVD-coated black mat Individual	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051687	1
HL0531Prblue-I.2	PVD-coated rose gold mat Individual	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051694	1
HL0531Prblue-I.3	PVD-coated brass mat Individual	486 x 56 mm	PP/EPS-40/stainless steel V2A		+051700	1



Stainless
steel mat



brass
mat



rose gold
mat



black
mat

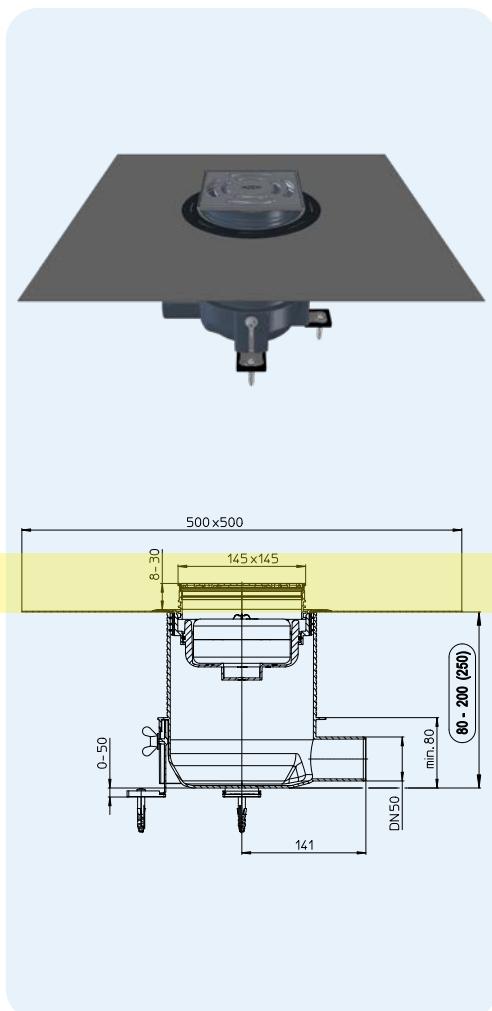
HL540 „Primus Drain“ Shower drain, MIN. HEIGHT 80 MM !
HL540I „Primus Drain“ Shower drain with individual tile hollow, MIN. HEIGHT 80 MM !
Data

Capacity	20 mm above drain level: HL540=0,8l/s; HL540i=0,6l/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: www.hl.at

Installation
The drain body might be fixed on the floor with 3 metal angles and can be adjusted in height afterwards. Advantage: maximum screed 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.

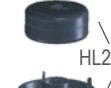
Please also see
installation movie at
www.hl.at


HL540
HL0540.5E


HL03900.0E



HL0540.2E



HL2040



HL2040I

HL540I
HL0540.4E


HL0540.4E

HL540K


HL0540.0E



HL0540.3E

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

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

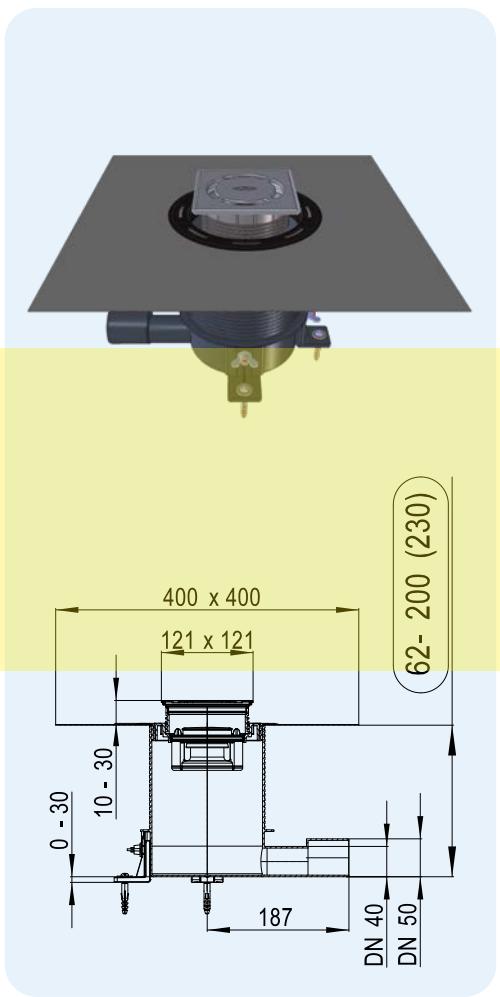
Material	Stainless steel
Grate	HL540I: 138x138mm massive, Tile hollow: 74x74 mm, depth 13mm
Load classification	HL540: L - max. 1,5t, HL540i: K3 - max. 300kg
Recommended for	Shower drain HL540 or floor drain series HL5100, HL3100, HL72.1 and HL317



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	638 g	+039104	1
3928	Stainless steel/PVD coated V4A	138 x 138 x 5 mm	608 g	+031283	1
3128E	Stainless steel V4A	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=0,45l/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. Soundproofing tested Test certificate: www.hl.at
Installation	The drain body might be fixed on the floor with 3 metal angles and can be adjusted in height afterwards. Advantage: maximum screed 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	


HL541
HL0541.5E

HL037Pr.1E


HL037N.0E
HL0541.2E
HL2020

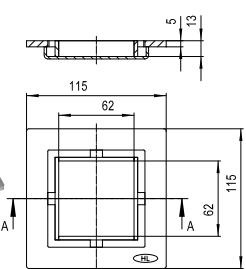
HL541I
HL0541.4E
HL541K

HL0541.0E

HL0541.3E

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

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, HL310N, HL510N, HL90 combined with extensions HL3200 or HL3210 HL0541I: HL541

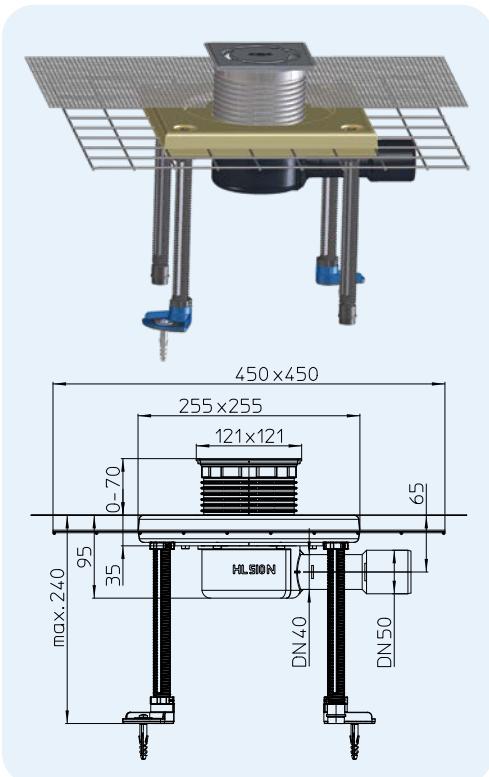

HL0541I


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

HL510NC Floor drain with polymer concrete collar

Data

Capacity	20 mm above drain level: 0,55l/s 10 mm above drain level: 0,4l/s
Material	Polymer concrete/steel mesh/PP
Outlet dimension	DN40/50 horizontal
Height	95 mm
Standard	EN 1253
Height of seal water	50 mm
Additional information	removable trap, polymer concrete collar with steel mesh reinforcement for a save connection to the under-tile waterproofing and glassfiber pad.
Including	Sound-absorbing levelling legs for adjustment in height, lot cover and supporting frame



HL-No.	Material	Dimension	Weight	EAN	Piece/package
510NC	Polymer concrete/ steel mesh/PP	DN40/50	4350 g	+021338	1

Installation example with epoxy coating





