SIPHONS ABLÄUFE

# HL System solutions

## 5. Barrier-free showers

5

HL53

HL540I

HL531Prblue-D

HL50F

HL053WS

HL542Prblue

# 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

▲ Advantages of point drainage:

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

Linear drainage

▲ Advantages of linear drainage:

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

## HL053S
**Shower channel**

## HL053WS
**„Wall“ Shower channel**

## HL531Prblue shower channel Primus blue

# HL Barrier-free showers – Sectional drawings

## HL540/541
**„Primus Drain / Primus blue" Shower drain**

## HL542Prblue
**„Primus Drain / Primus blue" Shower drain**

## HL310KH-3020
**„Primus Drain / Primus blue" Shower drain**

# 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 throuth 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

Primus **blue**

# 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

# HL Barrier-free showers - Installation manual HL542Prblue

1. Determine the drain position, place the installation template in the direction of the drain pipe and mark the position for the drill holes.

2. Drill holes and fix the drain body to the concrete ceiling using fixing brackets and screws.

3. Connect the drain body to the drain pipe. Adjust the height and the pipe slope using the fixing brackets, align the drain body horizontally as shown in Fig. 3.

4. Create the floor structure with a slope of minimum 2% in the screed.

5. After the screed has hardened, cut off the remaining pipe flush with the floor using a saw.

6. Insert the waterproofing set into the drain.

7. Apply waterproofing below and above the sealing set (sandwich method), as well as in the entire shower area. Provide all connection points with sealing tapes.

8. Remove protective foil

9. Waterproofing layer connects to the stainless steel flange of the waterproofing set as shown in Fig. 9

10. Completely insert the round stainless steel frame with O-ring into the waterproofing set, height of the frame is 1 mm = coating thickness see Fig. 10.2

11. The round stainless steel frame can also be adjusted to the required coating height with one or in combination with several extension rings. The height is adjusted in 1 mm increments. The adjustment range here is between 1 and 7 mm.

12. Ensure that the round stainless steel ring is correctly positioned.

# HL Barrier-free showers - Installation manual HL542Prblue

13. Clean the stainless steel flange and insert the lot cover.

14. Apply the coating according to the manufacturer's instructions.

15. Flush finish of the coating with the round stainless steel frame.

16. Remove lot cover and insert Primusblue odour barrier.

17. The stainless steel combined cover can be inserted either in a stainless steel look or coated.

# 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<br>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 | Dimen-sion | 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<br>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 |

| HL-No. | Material | Dimen-sion | 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 |

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

## 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<br>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 | Dimen-sion | 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<br>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 | Dimen-sion | 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 |

## 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<br>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 water-proofing. 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 |

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

| HL-No. | Material | Dimen-sion | 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 |

# 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<br>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. |

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 |
|---|---|---|---|---|---|---|---|---|
| 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 |

## 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<br>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 |
|---|---|
| 60 – 70 cm | 2 |
| 80 – 110 cm | 3 |
| 120 – 130 cm | 4 |
| 140 – 180 cm | 5 |
| 190 – 210 cm | 6 |

| Used cover plate | Adjustable in height |
|---|---|
| Standard | 15 – 29 mm |
| Design | 18 – 32 mm |
| Individuell | 29 – 43 mm |

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

# HL53 - System family

Design cover HL053M - massive stainless steel, **brushed**; length: from 80cm to 150cm

Design cover HL053P - massive stainless steel, **polished**; length: from 80cm to 150cm

Design cover HL053S - stainless steel, **brushed**; length: 90cm, 100cm and 120cm

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

„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 - System family

Drain body HL53.0
Height 90 mm
Flow rate: 0,83 l/s

Drain body HL53Prblue.0
Height: 90 mm
Flow rate: 0,55 l/s

Drain body HL53V.0
Vertical outlet
Flow rate: 0,98 l/s

Drain body HL53FPrblue.0
Height: 65 mm
Flow rate: 0,48 l/s

Drain body HL53Duo.0
Height: 90 mm
Flow rate: 1,45 l/s

## HL53.0 Drain body for showerchannel, MIN. HEIGHT 90 MM !
## HL53Prblue.0 Drain body for showerchannel, MIN. HEIGHT 90 MM !

### Data

| | |
|---|---|
| Capacity | above drain level 10 mm 20 mm<br>HL53.0: 0,61 l/s 0,83 l/s<br>HL53Prblue.0: 0,45 l/s 0,55 l/s |
| Material | PP |
| Outlet | DN50 |
| Height | 90 - 250 mm adjustable |
| Standard | EN 1253 |
| Odor trap | HL53.0: 50 mm<br>HL53Prblue.0: New Primus **blue** combined trap with sealing water and mechanical odor barrier (absolutely odor-tight even without water). backflowproof up to 30 cm water column |
| Fits to | HL053S, HL053WS, HL053M(P), HL052M(P) |
| Additional information | Incl. removable trap and flexible waterproofing membrane. |
| Installation | **Installation wallside or in the surface.**<br><br>Please see movie www.hl.at |

| HL-No. | Material | Dimension | Weight | EAN | Piece/package |
|---|---|---|---|---|---|
| 53.0 | PP | DN50 | | +003846 | 1 |
| 53Prblue.0 | PP | DN50 | | +003822 | 1 |

## HL53FPrblue.0 Drain body flat for showerchannel, MIN. HEIGHT 65 MM !

### Data

| | |
|---|---|
| Capacity | above drain level 10 mm: 0,39 l/s<br>above drain level 20 mm: 0,48 l/s |
| Material | PP |
| Outlet | DN40 |
| Height | 65 - 250 mm adjustable |
| Standard | EN 1253 |
| 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 30 cm accumulation height. |
| Fits to | HL053S, HL053WS, HL053M(P), HL052M(P) |
| Additional information | Incl. removable trap and flexible waterproofing membrane. |
| Installation | **Installation wallside or in the surface.**<br><br>Please see movie www.hl.at |

| HL-No. | Material | Dimension | Weight | EAN | Piece/package |
|---|---|---|---|---|---|
| 53FPrblue.0 | PP | DN40 | | +003907 | 1 |

## HL53Duo.0 Drain body for shower channel HL053M(P).2, INSTALLATION HEIGHT 90 MM!

### Data

| | |
|---|---|
| Capacity | 20 mm above drain level: 1,45l/s;<br>10 mm above drain level: 0,9l/s; |
| Material | PP |
| Outlet | HL53Duo.0: 2 x DN50 |
| Installation height | HL53Duo.0: 90 - 250 mm adjustable |
| Standard | EN 1253 |
| Odor trap | 50 mm 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** |

HL53Duo.0

HL53Duo.0

| HL-No. | Material | Dimension | Weight | EAN | Piece/package |
|---|---|---|---|---|---|
| 53Duo.0 | PP | 2 x DN50 | | +003884 | 1 |

## HL53V.0 Drain body vertical for showerchannel

### Data

| | |
|---|---|
| Capacity | 20 mm above drain level: 0,93 l/s<br>10 mm above drain level: 0,98 l/s |
| Material | PP |
| Outlet | DN50 |
| Installation height | 30 - 131 mm adjustable |
| Standard | EN 1253 |
| Odor trap | 50 mm water trap |
| Fits to | HL053S, HL053WS, HL053M(P), HL052M(P) |
| Additional information | Incl. removable odor trap and flexible waterproofing membrane, installation in the surface or close to the wall, incl. 4 adjustable fixing legs |
| Installation | **In the surface of the shower or close to the wall** |

HL53V.0

HL53V.0

| HL-No. | Material | Dimension | Weight | EAN | Piece/package |
|---|---|---|---|---|---|
| 53V.0 | PP | DN50 | | +003945 | 1 |

## HL053M/.... Design shower channel made of matt stainless steel with integrated cross slope
## HL053P/... 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 | HL53.0, HL53Prblue.0, HL53FPrblue.0, HL53V.0 |
| Additional information | In combination with drain body HL53K(F), drainage strip with multiple precision slope usage for: floor tiles 8 - 36 mm and wall tiles 8 - 25 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 5 mm | matt | 3650 g | +041428 | 1 |
| 053M/90 | Stainless steel V2A | 900 x 55 x 5 mm | matt | 3950 g | +041282 | 1 |
| 053M/100 | Stainless steel V2A | 1000 x 55 x 5 mm | matt | 4300 g | +041305 | 1 |
| 053M/110 | Stainless steel V2A | 1100 x 55 x 5 mm | matt | 4550 g | +041312 | 1 |
| 053M/120 | Stainless steel V2A | 1200 x 55 x 5 mm | matt | 4700 g | +041329 | 1 |
| 053M/130 | Stainless steel V2A | 1300 x 55 x 5 mm | matt | 4850 g | +041336 | 1 |
| 053M/140 | Stainless steel V2A | 1400 x 55 x 5 mm | matt | 5150 g | +041343 | 1 |
| 053M/150 | Stainless steel V2A | 1500 x 55 x 5 mm | matt | 5450 g | +041350 | 1 |
| 053P/80 | Stainless steel V2A | 800 x 55 x 5 mm | polished | 3650 g | +041428 | 1 |
| 053P/90 | Stainless steel V2A | 900 x 55 x 5 mm | polished | 3950 g | +041466 | 1 |
| 053P/100 | Stainless steel V2A | 1000 x 55 x 5 mm | polished | 4300 g | +041367 | 1 |
| 053P/110 | Stainless steel V2A | 1100 x 55 x 5 mm | polished | 4550 g | +041374 | 1 |
| 053P/120 | Stainless steel V2A | 1200 x 55 x 5 mm | polished | 4700 g | +041381 | 1 |
| 053P/130 | Stainless steel V2A | 1300 x 55 x 5 mm | polished | 4850 g | +041398 | 1 |
| 053P/140 | Stainless steel V2A | 1400 x 55 x 5 mm | polished | 5150 g | +041404 | 1 |
| 053P/150 | Stainless steel V2A | 1500 x 55 x 5 mm | polished | 5450 g | +041411 | 1 |

## HL053S/.... 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 | HL53.0, HL53Prblue.0, HL53FPrblue.0, HL53V.0 |
| Additional information | in combination with drain body HL53K(F), drainage strip with integrated cross slope; usage for floor tiles 8 - 36 mm and wall tiles 8 - 25 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 | HL53Duo.0 |
| Additional information | Installation in combination with double drain body DUO. Channel with 2 inlets and wall angle, position only close to the wall; Channel with lateral shaped slope. Usable for floor tiles from 12 to 28 mm and wall tiles from 12 - 28 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 58 x 25 mm | matt | 4700 g | +047642 | 1 |
| HL053M.2/140 | Stainless steel V2A | 1400 x 58 x 25 mm | matt | 5050 g | +047659 | 1 |
| HL053M.2/150 | Stainless steel V2A | 1500 x 58 x 25 mm | matt | 5330 g | +047666 | 1 |
| HL053M.2/160 | Stainless steel V2A | 1600 x 58 x 25 mm | matt | 5490 g | +047673 | 1 |
| HL053M.2/170 | Stainless steel V2A | 1700 x 58 x 25 mm | matt | 5560 g | +047680 | 1 |
| HL053M.2/180 | Stainless steel V2A | 1800 x 58 x 25 mm | matt | 6000 g | +047697 | 1 |
| HL053M.2/190 | Stainless steel V2A | 1900 x 58 x 25 mm | matt | 6100 g | +047703 | 1 |
| HL053M.2/200 | Stainless steel V2A | 2000 x 58 x 25 mm | matt | 6400 g | +047710 | 1 |
| HL053P.2/130 | Stainless steel V2A | 1300 x 58 x 25 mm | polished | 4670 g | +047727 | 1 |
| HL053P.2/140 | Stainless steel V2A | 1400 x 58 x 25 mm | polished | 4920 g | +047734 | 1 |
| HL053P.2/150 | Stainless steel V2A | 1500 x 58 x 25 mm | polished | 5200 g | +047741 | 1 |
| HL053P.2/160 | Stainless steel V2A | 1600 x 58 x 25 mm | polished | 5470 g | +047758 | 1 |
| HL053P.2/170 | Stainless steel V2A | 1700 x 58 x 25 mm | polished | 5750 g | +047765 | 1 |
| HL053P.2/180 | Stainless steel V2A | 1800 x 58 x 25 mm | polished | 6120 g | +047772 | 1 |
| HL053P.2/190 | Stainless steel V2A | 1900 x 58 x 25 mm | polished | 6280 g | +047789 | 1 |
| HL053P.2/200 | Stainless steel V2A | 2000 x 58 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 | HL53.0, HL53Prblue.0, HL53FPrblue.0, HL53V.0 |
| Additional information | Additional Installation in combination with drain body HL53-series, shower information channel with integrated cross slope and 2 cm wallside angle. For floor tiles 8 - 36 mm and wall tiles 8 - 28 mm (incl. tile glue). Minimum cuttable size: 450 mm |
| 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 63 x 25 mm | matt | 1350 g | +048991 | 1 |
| 053WS/100 | Stainless steel V2A | 1000 x 61 x 20 mm | matt | 1360 g | +048977 | 1 |
| 053WS/120 | Stainless steel V2A | 1200 x 61 x 20 mm | matt | 1380 g | +048984 | 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<br>10 mm 20 mm<br>0.5 l/s 0.6 l/s |
| Material | PP/ABS/EPS-40/<br>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,<br>Colors: PVD-coated |
| Dimensions | **HL0531Prblue-S:** 486 x 56 mm<br>**HL0531Prblue-D:** 486 x 56 mm<br>**HL0531Prblue-I:** Gap for tile:<br>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=0,6/s<br>10 mm above drain level: HL540=0,55l/s; HL540i=0,45l/s |
| Material | PP/stainless steel, Frame: V4A<br>Grate HL540=V2A<br>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<br><br>Soundproofing tested<br>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 sceed 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

| 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=0,45/s<br>10 mm above drain level: HL541=0,4l/s; HL541i=0,4l/s |
| Material | PP/stainless steel, Frame: V4A<br>Grate HL541=V2A<br>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.<br><br>Soundproofing tested<br>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 sceed covering of the outlet pipe. New: It is no longer necessary to set the drain exactly on the right height of the screed. After filling in the screed, the salient nozzle is cut by a saw. The sealing kit may be inserted without any tools and takes care of a safe connection to the waterproofing. At the end the extension is adjusted and set into the drain. Please take care, that the edges of the frame are underlaid with tile glue to take maximum load. |

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

| HL-No. | Material | Dimension | Weight | EAN | Piece/package |
|---|---|---|---|---|---|
| HL541 | PP/Stainless steel | DN40/50 | 1121 g | +047642 | 1 |
| HL541I | PP/Stainless steel | DN40/50 | 1388 g | +047659 | 1 |
| HL541-Quadra | PP/Stainless steel | DN40/50 | 1819 g | +048236 | 1 |

## 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<br>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 |

## HL542Prblue Shower drain for coated floor coverings
## HL542Prblue.0 Floor drain, without waterproofing fleece

### Data

| | |
|---|---|
| Capacity | 0,4 l/s |
| Material | PP, Stainless steel V4A |
| Outlet dimension | DN40/50 horizontal |
| Constr. height | 63 - 200 mm (230 mm) |
| Standard | EN 1253 |
| Load class | K3 - max. 300 kg |
| Odour barrier | 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, adjustable fixing angles, hair catcher, lot cover and protection cover |
| Installation | HL542Prblue Liquid shower and floor drain for coated floor coverings, with adjustable stainless-steel frame (from 1 to 7 mm) for adaption to the final surface height. Sealing set with fleece covered foil (HL542Prblue) to apply the waterproofing and a stainless steel flange for a secure connection to the floor coating material. Incl. Primus blue trap, Combined cover, extension rings and protection cover. Please also see installation movie and the function of Primus blue at www.hl.at |

**HL542Prblue** **HL542Prblue.0**

HL0542.4E HL0542.6E

**HL541K**

| HL-Nr. | Dimension | Cover | Weight | EAN | Pcs / package |
|---|---|---|---|---|---|
| 542Prblue | DN40/50 | Stainless steel V4A | 1313 g | +050154 | 1 |
| 542Prblue.0 | DN40/50 | Stainless steel V4A | 1238 g | +052622 | 1 |

## HL0542.1E, HL0542.7E Design grates

### Data

| | |
|---|---|
| Material | Stainless steel V4A |
| Grate | Stainless steel grate Ø 129 mm |
| Load classification | HL0542.1E: K3 – max. 300 kg<br>HL0542.7E : L15 – max. 1,5 t |
| Recommended for | HL542Prblue and HL542Prblue.0 |
| Additional Information | HL0542.1E Combined cover (can be used on both sides - one side with 1.5 mm deep coating mould for individual coating, the reverse side with polished surface) |

**HL0542.1E**

**HL0542.7E**

| HL-Nr. | Material | Dimension | Weight | EAN | Pcs / package |
|---|---|---|---|---|---|
| 0542.1E | Stainless steel V4A | Ø 129 mm | x g | +002245x | 1 |
| 0542.7E | Stainless steel V4A | Ø 129 mm | x g | +001934x | 1 |