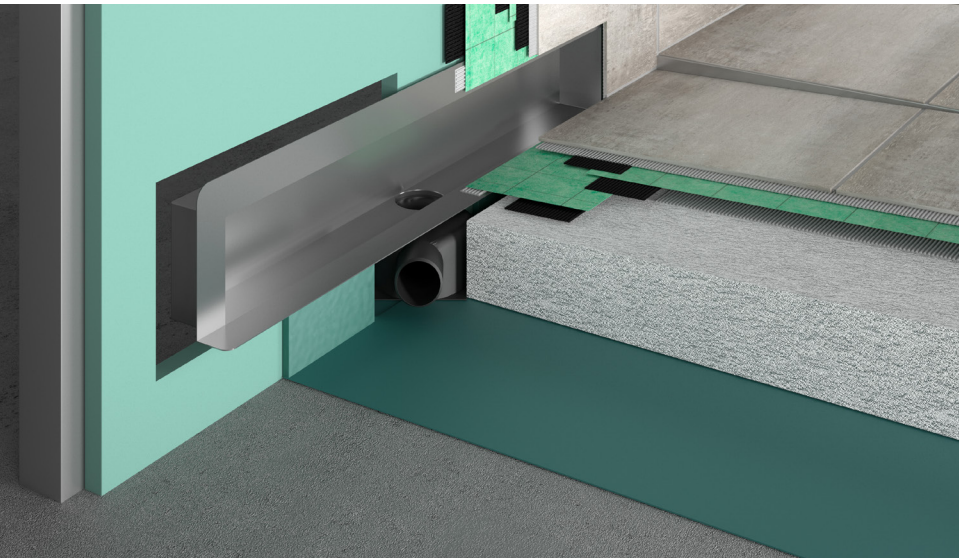


PROCHANNELw-line

Drainage element for installation flush with the wall for both an appealing look and practical use in wet rooms.



Areas of application:

PROCHANNELw-line is a drainage element for wall installation for barrier-free deployment in private or commercial wet rooms, such as:

- Domestic showers
- Barrier-free showers or showers with disabled access
- For floor drainage in rooms with high aesthetic finish
- Showers in saunas, swimming pools, sports centres
- Commercial sanitary areas
- Other wet rooms where floor drainage is installed to channel out water

PROCHANNELw-line satisfies the high demands for aesthetics while also providing a practical, simple slope for directing water. The **PROCHANNELw-line** is installed wall-side. This type of construction integrates and supports the drainage line housing in the screed structure.

Product advantages:

If using large format tiles or natural stone, a spacious look can be achieved through an uninterrupted surface area free of cuts. The **PROCHANNELw-line** drainage element is the stylish solution for contemporary bathroom design; the shower surface is easily accessible and flush with the floor; with no floor drains or channels to get in the way. This enables the uninterrupted installation of impact sound and thermal insulation as well as under-floor heating, if required. There are two covers to choose from to complete the drainage element: in brushed V2A stainless steel for a timeless design with steel plate finish, or as a tileable recess that renders the drainage element almost invisible. The covers are easy to remove for quick and easy cleaning.

PROCHANNELw-line captures surface water almost over its entire length and channels the water away.

The installation is easy and quick. The one-sided, simple slope is created easily and effectively.

The type of installation makes it necessary to consider the needs of heat insulation and walking/impact noise.

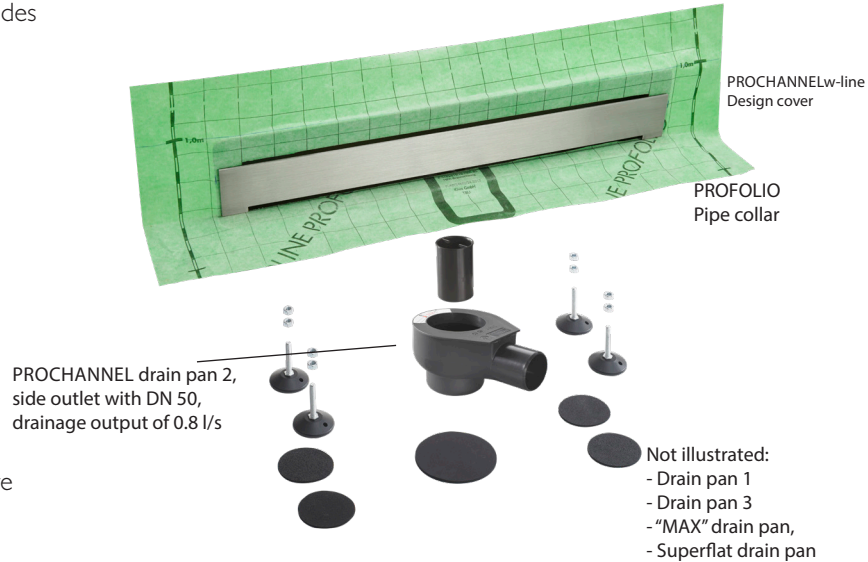
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With different drain fittings, low installation heights can be implemented in the renovation area or even higher water water flow (e.g. gushing water showers) can be accommodated. The floor-level shower in wall-mounted installation provides more more space and freedom of movement.

- Water channelling with the highest level of creative and aesthetic appeal
- Numerous creative opportunities
- High drainage performance
- Easy to install
- Low fitting height
- Decoupled from noise and cold
- Provides more space and freedom of movement
- Hygienic, lightweight and easy to clean
- Can be installed with or without frame
- Drainage line housing with firmly bonded sealing sleeve
- Protection from seep water inlet line
- Installation without any barriers
- No tile thickness limit



Product and accessories:



Materials:

Type of material	Stainless steel,
Channel body	material code I.430I,V2A
Type of material for sealing sleeve:	Fleece-backed PE
Material type for drain fittings:	Plastic

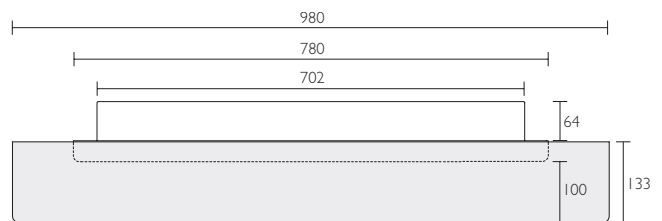
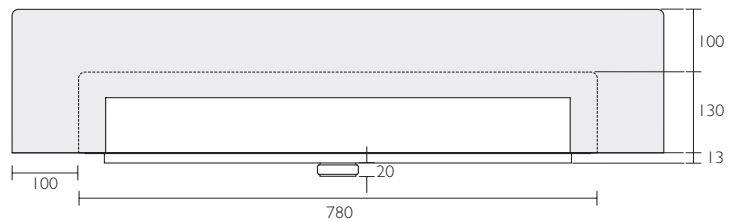
Dimensions and sizes:

Shower element dimensions 780 x 163 x 97 mm. Design cover dimensions 780 x 85 mm.

Visual dimension of drainage element after installation	Visual dimension of covers
720 x 87 mm	780 x 85 mm

Drainage line housing with firmly bonded sealing sleeve.

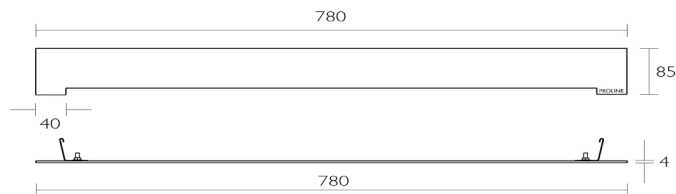
Technical data:



PROCHANNELw-line

Type of cover material:

Tile recess	Stainless steel, material code I.4301,V2A
Design grille steel	Stainless steel, material code I.4301,V2A brushed



Drain fittings:	Drain fitting 1	Drain fitting 2	Drain fitting 3	„MAX“ Drain fitting	Superflat Drain fitting
Drainage rate (nach DIN EN 1253)	0,70 ltr/sec	0,80 ltr/sec	1,30 ltr/sec	1,20 ltr/sec	0,50 ltr/sec
Outlet	Horizontal DN 50	Horizontal DN 50	Vertical DN 50	Horizontal DN 70	Vertical DN 40
Minimum installation height*	80 mm	105 mm	ab 13 mm possible	133 mm	53 mm
Art. No.	95340	95341	95342	95344	95343
Sealing water height	25 mm	50 mm	50 mm	60 mm	30 mm
Acc. to standard	nein	ja	ja	ja	nein
Specific use	Renovation	Standard	For free choice of ceiling opening/pipe feed	Increased volume of water	Renovation
Rotatable by 360 degrees	Yes	Yes	Yes	Yes	No

(*) smallest installation height = measured up to fixed flange

Supply rating, hand shower head^(*) Approx. 0,10-0,30 ltr/sec
 Supply rating, ceiling shower head^(*) Approx. 0,33-1,33 ltr/sec
 Supply rating, high volume shower head^(*) Approx. 0,33-1,50 ltr/sec

(*) The supply rating depends on the type and number of shower heads, the available water pressure, size of supply lines as well as upstream fittings (e.g. thermostat or the like). The total supply rating should be requested from the construction engineer, planner or fitter if several shower heads, ceiling shower heads (also called RainSky) or high volume shower heads are to be installed in the same shower area.

Sealing sleeve dimensions:

Head protrusion	Approx. 100 mm passed flange
Longitudinal protrusion	Approx. 100 mm passed flange
Total width	Approx. 230 mm
Total length	Approx. 980 mm

Storage and transportation:

Store and transport dry in an enclosed container protected against sunlight, UV rays, dirt, impact, abrasion and other foreign matter. Storage and transportation over longer distances should be in an laying position. To avoid any risk of deformation, do not place any load on the container.

Environmental protection and disposal:

Dispose of the packaging material as stipulated by law and regional ordinances.

Supplementary products:

PROCHANNEL sound insulation mat	Underlay mat for reducing installation noise and impact sounds according to DIN 4109/A1 and VDI 4100
Material	rubber granulate bonded with PU
Size	1250 x 1250 mm
Thickness	approx. 6 mm
Delivery form	per piece
Art.-No.	95351

PROFOLIO sealing and decoupling foil	Polyethylene film laminated with thermal PP fleece layer on both sides
Colour	Green
Width	approx. 1.0 m / approx. 0.4 mm thick
Rolls with	5 m Art. No. 93501
Rolls with	30 m Art. No. 93502

For more information, please refer to the system data sheet.

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PROFOLIO sealing tape	Highly flexible, transverse-elastic tri-laminate fleece-backed on both sides	
Colour	Green	
Thickness	approx. 0.7 mm	
Total width	approx. 120 mm (+/- 2 mm)	
Rolls with	50 m (with scaling)	Art. No. 93131
Rolls with	10 m	Art. No. 93141

PROFOLIO sealing tape corners	Highly flexible, transverse-elastic tri-laminate fleece-backed on both sides	
Colour	Green	
Thickness	approx. 0.7 mm	
Total width	approx. 60 + 60 mm	
Leg length, inner corner	approx. 120 mm	
Leg length, outer corner	approx. 110 mm	
Delivery form	Carton with 25 pieces	
Internal corner	Art. No. 93518	
External corner	Art. No. 93519	

PROFOLIO sealing sleeves	Highly flexible, transverse-elastic tri-laminate, fleece-backed on both sides	
Colour	Green	
Thickness	approx. 0.7 mm	
Wall collar with 15 mm hole punch	Art.no.93512	
Size	120 x 120 mm	
Each carton has	25 pieces	
Floor collar	Art. No.93510	
Size	425 x 425 mm	
Each carton has	10 pieces	

PROFOLIO pipe collars with expansion zone	polypropylene nonwoven on both sides, with a polyurethane coating	
External dimensions	140 x 140 mm	160 x 160 mm
Expansion zone diameter	40 mm	60 mm
Hole diameter	15 mm	21 mm
For pipe diameter	22 - 37 mm	31 - 50 mm
Delivery form	Carton with 25 pieces	Carton with 10 pieces
Art. No.	93533	93534

PROFOLIO butt-joining tape	Polyethylene film laminated with thermal non-woven PP fabric on both sides	
Colour	Green	
Width	approx. 15 cm / approx. 0.4 mm thick	
Rolls	25 m	
Art.-No.	93513	

Ottocoll M500 hybrid adhesive and sealants	I-component hybrid polymer-based adhesive and sealant (STPU)	
Colour	White / grey / transparent	
Delivery form	310 ml cartridge	
Art. No.	93514 / 93516 / 93517	
The technical bulletin of the manufacturer, Hermann Otto GmbH, must be observed.		

Installation options:

Connecting with HT socket pipes:

Drain fittings 1 to 3 and the "MAX" drain pan can be rotated 360° and connected from all sides. The outlets (DN 40/50/70) of the PROCHANNEL drain fittings must be connected using suitable HT-socket pipes, matching bends and lubricant to the drain/soil pipe. To allow a sufficient slope in the connected path, the drain on the building side should be located directly between the floor and wall or recessed in the floor.

Reducing the installation height:

The requisite installation height is defined by the height of the drain fitting and is at least 53 mm from the contact surface to the upper edge of the flange. If the supporting substrate in the area below the drain pan and along the pipe connections can be chiselled out or removed, the installation height is reduced to 13 mm.

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Required slope:

Depending on the covering material used, with coarse even surface or fine even surface, the slope should be set so that water drains away quickly. Usually, slopes are set between 1 and 2 %. Taking into account the covering surface and the local conditions, the slope may deviate from this information.

Surge inhibitor:

Surrounding the shower area with **PRONIVO S** transition and compensator profiles can double as a surge inhibitor to prevent water from overflowing to the outside.

Potential compensation:

The drain fitting is made from non-conducting plastic. Potential compensation, where necessary, should be carried out in accordance with DIN VDE 0100 T410.

Installation instructions:

Note: Detailed assembly instructions can be found on our homepage or are included in the scope of delivery.

Cleaning:

Use clean water, pH-neutral cleaning agent, a sponge or cleaning cloth. Ensure that there is no sanding or grinding effect. If necessary, clean grilles using suitable cleaning pastes. If necessary, use an alcohol-based cleaner or a cleaner especially developed for stainless steel or polishing paste. Perform routine cleaning regularly in accordance with local conditions. In places where substances containing chloride are used, regularly clean standing water also outside of the drainage lines and grilles to prevent concentrations from building up.

After cleaning, always rinse the surfaces with enough clean water to remove all cleaning agent residue.

Attention: Substances containing chlorine cause stainless steel to rust.

Cleaning utensils:

Cleaning utensils such as brushes, cleaning pads, microfiber cloths etc. must not be abrasive. Use commercial cleaning sponges (not containing iron) for stubborn dirt. Iron-containing scrubbing sponges, steel wool and steel brushes must never be used, since they can implant foreign iron particles into the stainless steel, which then will rust. For the brush-finished surface, always move the cleaning utensil in the direction of the grind.

Cleaning the PROCHANNEL drain fitting

General information

Long hair or tough dirt can get stuck in the trap. We recommend cleaning the drainage line housing at regular intervals as well as removing the black standpipe located in the drain pan to check for and, if necessary, remove any dirt at least once a month.

Procedure:

1. Remove the cover and, if installed, remove and clean the hair sieve
2. Pull the black standpipe (trap) out of the recess
3. Remove hair and coarse dirt from the open drain fitting
4. Clean drain with a sponge or brush
5. Thoroughly rinse the drain
6. Reinsert the standpipe
7. Fill the stench trap with water; insert the hair sieve
8. Push in the cover

Chemical and physical resilience:

Before using cleaning agents or collected water, check whether they have a corrosive or damaging effect. Avoid contact with substances containing chloride ions, strong acids or alkalis. Stainless steel reacts with oxygen in the air and forms a protective layer that becomes damaged upon abrasive contact with normal steel or iron and flying sparks from welding and cutting work, thereby resulting in corrosion. Once the adhesive, grout and filling compound has hardened completely, the drainage line can be subjected to mechanical loads as per its intended use.

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Important information:

- The **PROCHANNELw-line** was developed and designed for indoor wet rooms. It should not be used in outside areas.
- The stainless steel flanges of the drainage line are a supporting element and important for the seal. By no means should they be cut off, even due to spatial restrictions. Design the slope dimensions so that heights formed from overlapping sealing tape, sealing sleeves, sealing membranes and grout do not prevent water from draining.
- The drain pan must be secured underneath to prevent it from slipping. This can be achieved up to the height of the insulating material by foaming under and/or around using a suitable expanding foam.
- On slopes > 2 % there is a risk of falling from slipping over. The greater the slope, the lower the walking and standing comfort.
- If a high volume shower head or "RainSky" is used, it can be assumed that there will be an increased amount of water flow. In case of doubt, enquire about the intended installations and their supply rating from the client or planner so that the drainage line and performance can be adapted.
- Sealing water height describes the level of water that remains in the drain pan and acts as a barrier against unpleasant odours. As a rule, 50 mm are prescribed for this purpose. In the event of renovation or with low installation heights, it may be necessary to use a lower drain pan with lower sealing water height.
- If the level is too low, there is a chance of the sealing water being drawn out through the hydraulic effect of the draining water or, over time, the sealing water could evaporate. Unpleasant odours from the sewage system could find their way into the room through the empty drain pan. Adding 1/2 litre of water can remedy this problem.

Standards and regulations:

Aside from all the relevant and currently applicable bulletins, standards and directives, the information listed as follows is recommended:

- DIN 18352 Tile and slab laying work
- DIN 18332 Natural stone work
- DIN 18333 Cast stone work
- DIN 18353 Screed work
- DIN 18195 Building seals
- DIN 18534 Waterproofing of interiors
- DIN 18534-5 Waterproofing of interiors with waterproofing membranes bonded to tiles and slabs
- DIN 18202 Tolerances in building construction
- DIN 18560 Screeds in building construction
- DIN EN 13813 Screed mortar and screed masses
- Bulletins from German Association of Screed and Flooring
- Bulletins from Association of Tiles and Natural Stone in the Central Association of the German Construction Industry, in particular:
 - Joint sealing
 - Outside flooring
 - Expansion joints
 - Substrates in damp rooms
- Interface co-ordination of heated underfloor structures
- ZDB tile and slab information "Information on decoupling"
- German Natural Stone Association – Building information about natural stone
- DIN 18040 Part 2: Construction of accessible buildings - Design principles - Dwellings (2011)
- DIN 4109- 1 (2018) Requirements, scope and verification of airborne sound insulation

All information, references, instructions, basic engineering principles, regulations, standards and expertise are based on German and largely equivalent European regulations and training standards, irrespective of additional country-specific supplements and amendments.

All our specifications are based on our experience and careful analysis. We are unable to examine or influence the diversity of associated materials used and the various construction site and processing conditions in detail. Fulfilment of an imposed work order and verifiable functionality of the object therefore depends on the observation of current VOB rules and the recognised rules of technology.

Our details do not absolve the accountable planner's and fitter's obligation to assess on their own authority the building conditions and practicability of the products. In case of doubt, carry out your own tests or seek technical application advice. Please refer to the laying and processing guidelines of the floor covering manufacturers or the manufacturers of associated products.

All previously published product data sheets cease to apply on publication of this product data sheet.

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