

DACHFIX®

UNIQUE AND RELIABLE DRAINAGE.
FOR DRAINING ROOF TERRACES AND FAÇADES.



AT A GLANCE

- ✓ Provide reliable protection against water build-up
- ✓ Robust construction
- ✓ Produced in long standard pieces for efficient installation
- ✓ Attractive grating options



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UNIQUE AND RELIABLE DRAINAGE.

FOR DRAINING ROOF TERRACES AND FAÇADES.

REQUIREMENT

Surface water on flat roofs and roof terraces must be allowed to drain away quickly and reliably. It is imperative to prevent damage from water rising above the threshold of doors and windows and from water pressure against vertical parts of the building. At the same time, the guidelines for flat roof construction and the relevant DIN standards have to be complied with. In accordance with the guidelines for flat roofs it is possible to reduce the standard upstand of 15 cm in front of doors if there is suitable drainage in the immediate proximity of the doors. The illustrations in the flat roof guidelines show a suitable drainage option. The system requires additional back pressure capacity for rainwater from sudden downpours.

SOLUTION

DACHFIX channels provide good spare capacity for back pressure from sudden accumulations of precipitation water. They can be used for horizontal and vertical drainage. They protect walls, doors and window elements against water levels building up. DACHFIX channels are open channel systems. The LOWER PARTS of the channels consist of a strong frame or shell construction with outlet options to all sides. The height adjustment devices of the DACHFIX channels make it possible to adapt the channels to all kinds of unevenness in the substrate. The top edge of the channels should always finish flush with the paving slabs.

The complete drainage set is easy to install and can simply be cut on site to suit the drainage layout. Likewise it is possible to use DACHFIX channels as escape routes or catwalks for cleaning purposes. It is also possible to order non-standard parts in different materials and non-standard construction.

CHARACTERISTICS

- good reserve capacity for dealing with back pressure from sudden water precipitation
- effective protection of walls, doors and window elements
- for barrier-free passages on roof terraces
- lower parts made of recycled PE-PP, corrosion-proof and durable

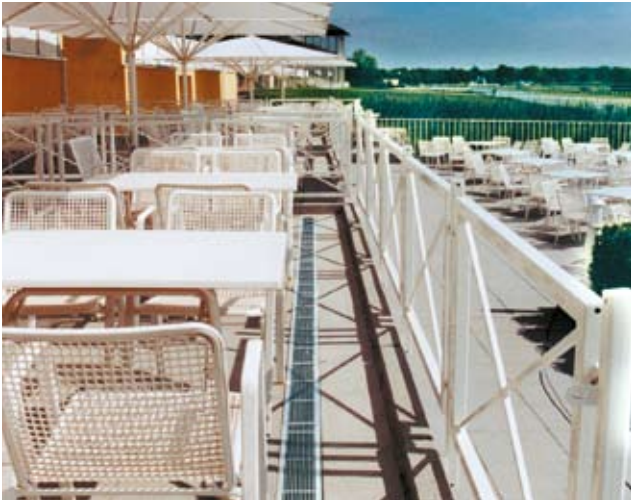
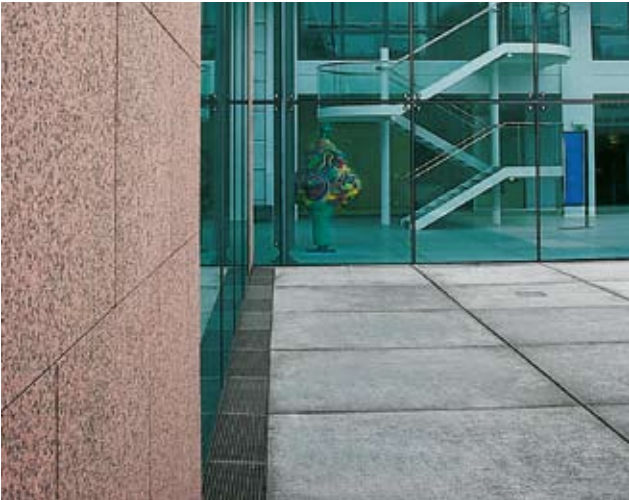
PRODUCT RANGE

- lower parts made of galvanised steel or stainless steel or recycled PE-PP
- large channel lengths up to 1500 mm
- gratings in galvanised steel or stainless steel
- mesh gratings in galvanised steel, stainless steel or PE-PP
- DACHFIX Gully elements



APPLICATIONS

DACHFIX channels are suitable for planted roofs, walk-on roof areas and roof terraces, as façade channels as well as drainage channels in front of entrances, balconies and terraces.



RECYFIX® PLUS	RECYFIX® STANDARD	SLOTTED CHANNELS	FASERFIX® STANDARD	RECYFIX® POINT FASERFIX® POINT	DACHFIX®	RECYFIX® GREEN SUPER	RECYFIX® GREEN STANDARD	RECYFIX® STREIF	LINEFIX®
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DACHFIX®

NON-STANDARD SOLUTIONS.

EXAMPLES OF BESPOKE SOLUTIONS FOR INDIVIDUAL CUSTOMER REQUIREMENTS.

In public spaces with a high volume of traffic the architectural design is particularly important. Drained surfaces and façades should harmonise visually with the design of the overall building.

HAURATON offers a broad range of channels in stainless steel or galvanised steel for this situation, which are individually manufactured according to the specification for a technically and attractive surface drainage. These products are characterised by a high degree of flexibility. The channels are very well suited to be integrated in any type of façade or surface material as required by architect and client.

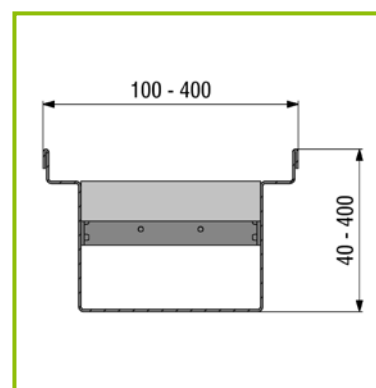
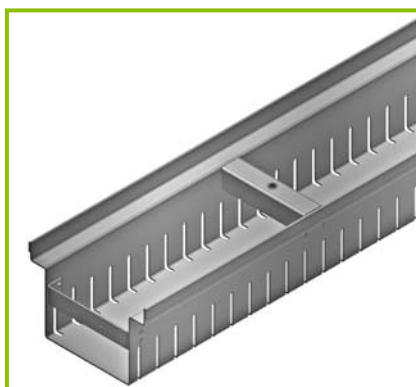
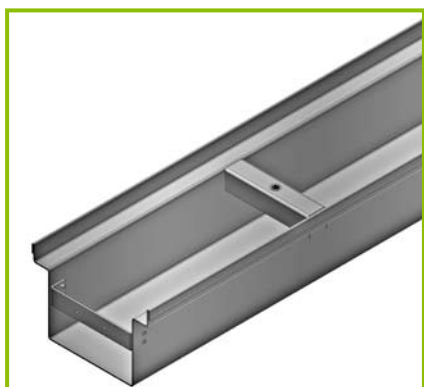
For special duties, the technicians at HAURATON work together with the engineers to develop new versions; for example for the Mercedes-Benz museum in Stuttgart the company developed channels with removable sidewall in high-quality stainless steel. The connection profile of the façade elements is positioned below the top edge of the channel. This makes it possible to service or replace glass elements after the installation of the channel without having to incur the expense of removing the channels.

FRANKFURT OVAL, GERMANY



Economy drainage channel in stainless steel, polygonal with stainless steel grating. The façade drainage channel was individually adapted to the contour of the building, creating an elegant transition between horizontal surface finishes and façade.

BOX CHANNELS ECONOMY, STRAIGHT



FRANKFURT MAINTOWER



DACHFIX channel, polygonal with perforated grating. With a height of 200 metres, the Main Tower is the fourth-highest tower block in Frankfurt. The viewing platform is drained with the help of polygonally installed DACHFIX channels which were adapted to the two different diameters of the round layout of the Tower.

FRANKFURT AIRPORT CENTER , GERMANY

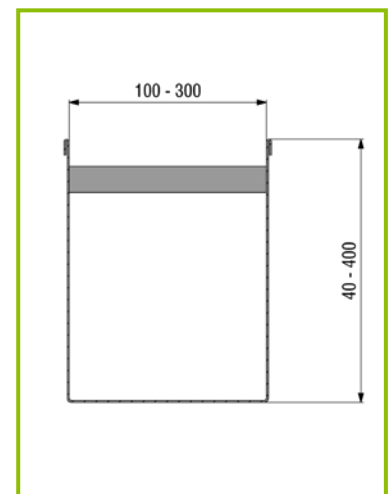
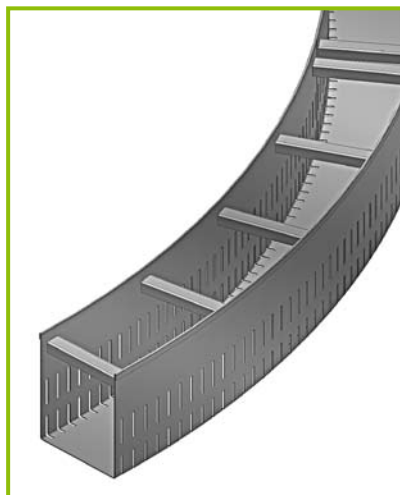


Radial economy box channel with mesh grating. The channel has been specially adapted to the double revolving door.



Roof terrace drainage via slotted channel.

BOX CHANNELS ECONOMY, RADIAL



RECYFIX®
PLUS

RECYFIX®
STANDARD

SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

RECYFIX®
GREEN SUPER

RECYFIX®
GREEN STANDARD

RECYFIX®
STREIF

LINEFIX®

DACHFIX®

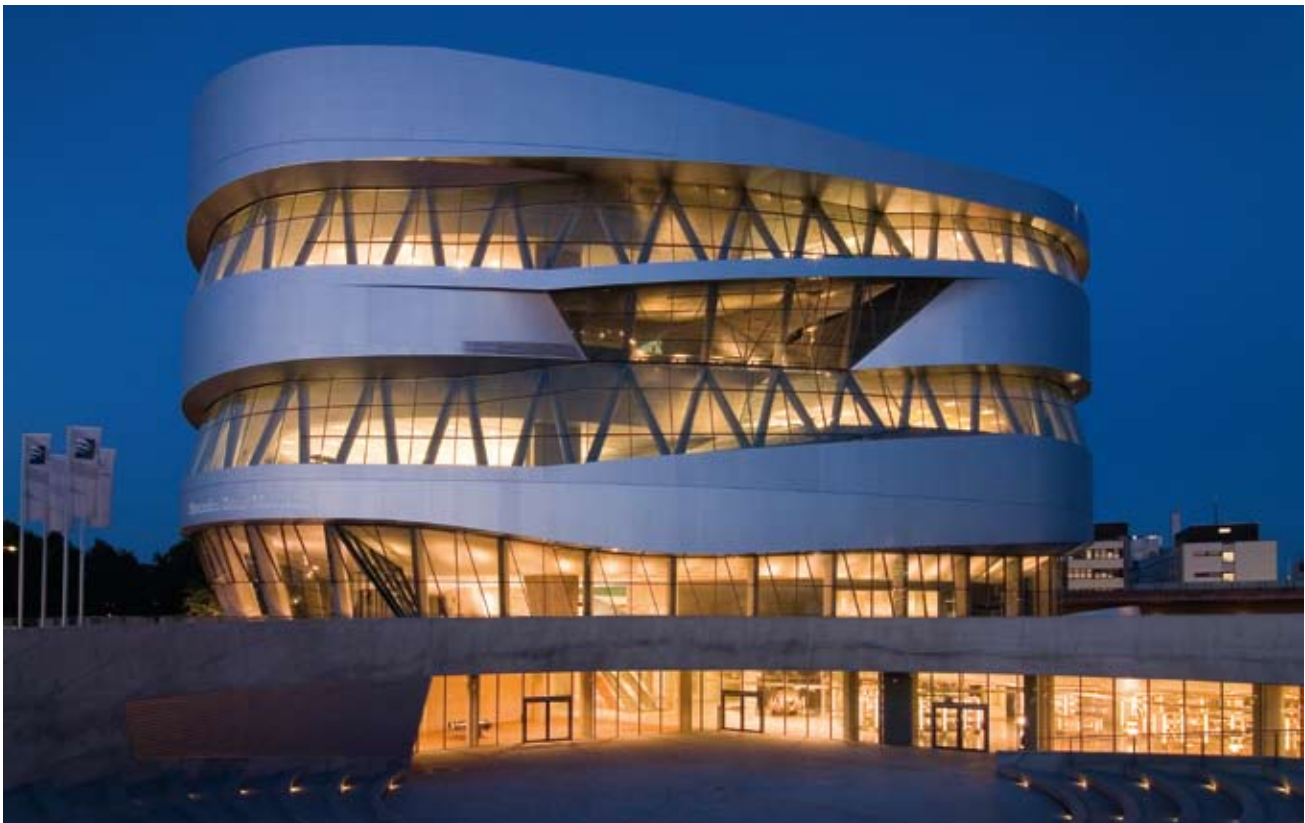
NON-STANDARD SOLUTIONS.

EXAMPLES OF BESPOKE SOLUTIONS FOR INDIVIDUAL CUSTOMER REQUIREMENTS.

MERCEDES-BENZ MUSEUM STUTTGART: TRENDSETTING ARCHITECTURE WITH DRAINAGE CHANNELS SUPPLIED BY HAURATON

In May 2006, the new Mercedes-Benz museum in Stuttgart was opened and since then has been hailed as a symbol for modern architecture and building technology. It is the largest one-make motorcar museum in the world and is considered one of the most important tourist attractions in Stuttgart. Every year, the museum expects up to 720 000 visitors from all over the world at the historic site in the immediate proximity of the factory in Untertürkheim, which is considered the cradle of the automobile.

Modern architecture demands special solutions for many details - and surface drainage is no exception. For the external works of the Mercedes-Benz museum the architects specified drainage channels from HAURATON. The company developed technically very advanced channel systems that visually integrate perfectly into the overall design whilst meeting all other requirements, such as providing a slotted façade channel with longitudinal grating and removable side wall.



A masterpiece of modern architecture - the Mercedes-Benz museum in Stuttgart.



The stainless steel drainage channels were developed according to site-specific requirements.



Water from the façade is drained via channels with longitudinal grating and removable sidewall. Special inspection boxes allow access to the channels for servicing.

Should any of the façade panels become damaged, it can be replaced with the channel remaining in place without any difficulties.

The hydraulic capacity requirements were calculated using a highly sophisticated hydraulics program which has been developed especially for HAURATON.

The unusual architecture of the Mercedes-Benz museum was highly demanding in terms of design, production, logistics and installation. All products were designed with the help of a CAD program, illustrating each item in three dimensions; this made it possible, at an early stage in the design, to check for visual, functional and technical requirements. This process made it possible to involve the architects and client at an early stage until finally a specification for the desired channel could be put out to tender. From the initial survey, the project-specific manufacture of the channels and their installation through to the final handover, members of the HAURATON project team provided their support for the companies involved in the project.

During construction on the building site for the Mercedes-Benz museum, the company expertly managed to resolve numerous situations that could not be foreseen and required a flexible ad-hoc input. For example, the unusual shape of the museum façade was highly demanding with respect to producing an accurate site survey. Each of the façade channels, which add up to a total length of 380 m, is unique in terms of shape, length and mitre cut. It required the perfect cooperation between the HAURATON project team, the CAD team as well as the production side to manufacture and deliver these channels within a very short delivery deadline.

- Overall, the following HAURATON drainage channels were installed at the Mercedes-Benz museum:
- 1500 m of individually manufactured channels in straight, polygonal and radial shapes
 - 220 m FASERFIX SUPER channels

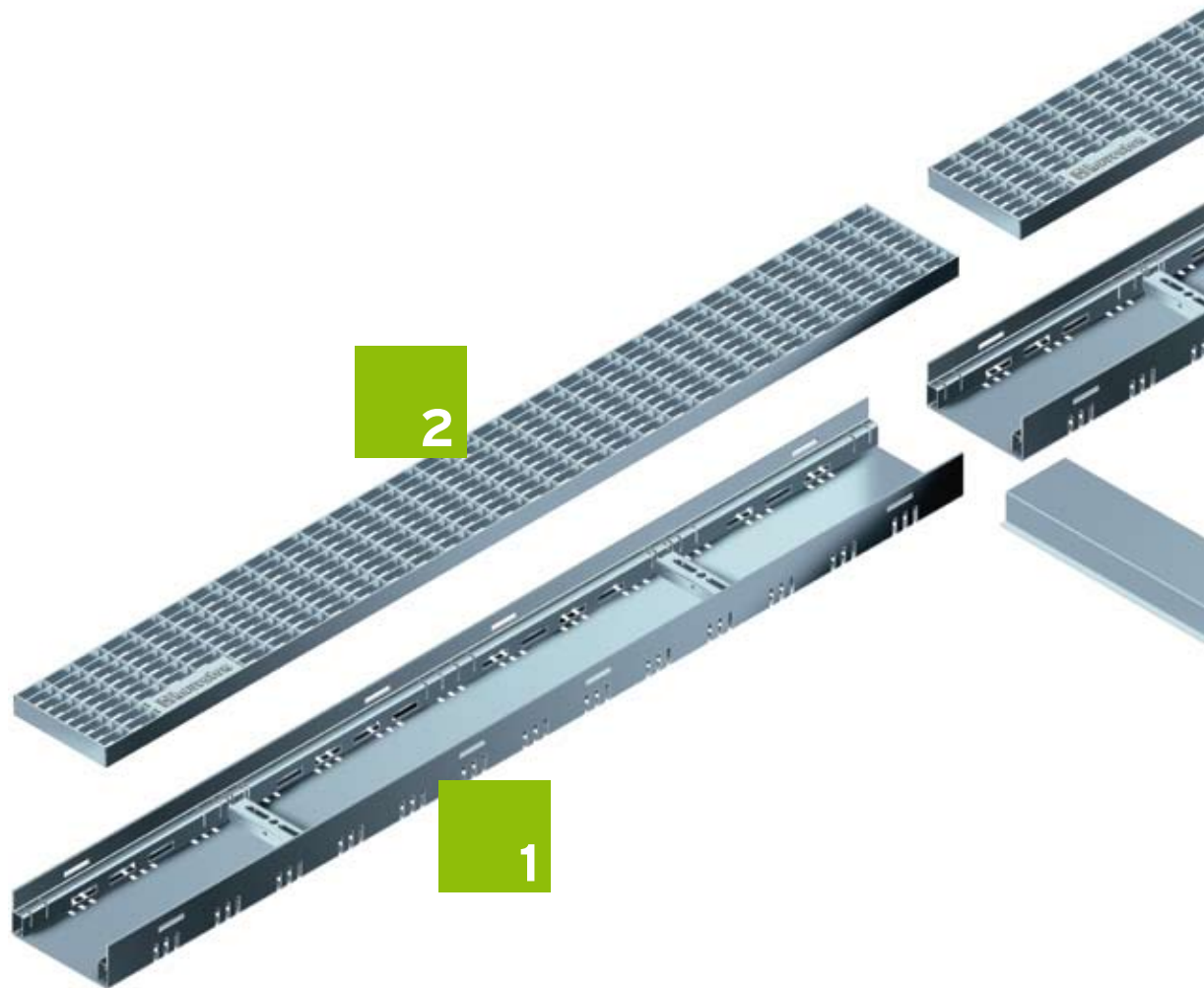
RECYFIX® PLUS	RECYFIX® STANDARD	SLOTTED CHANNELS	FASERFIX® STANDARD	RECYFIX® POINT FASERFIX® POINT	DACHFIX®	RECYFIX® GREEN SUPER	RECYFIX® GREEN STANDARD	RECYFIX® STREIF	LINEFIX®
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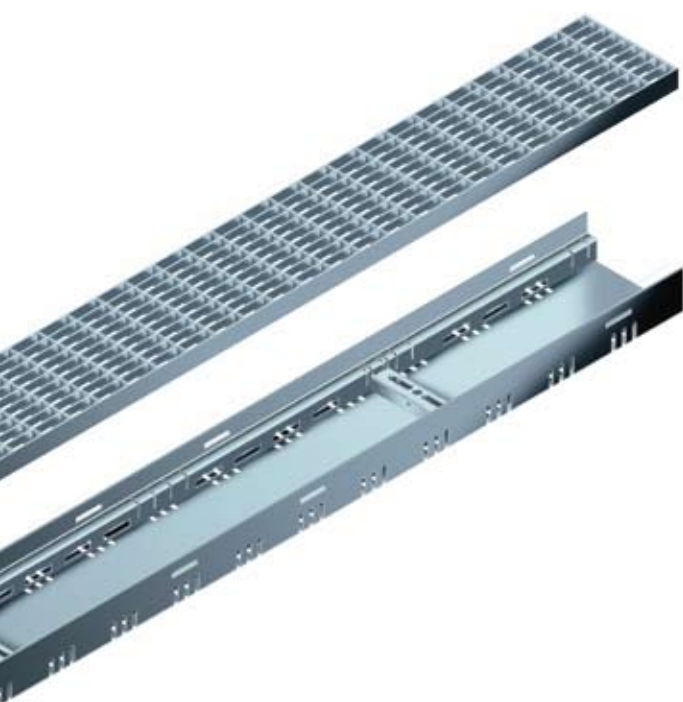
DACHFIX®

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DACHFIX channels comply with the guidelines for flat roof construction and are suitable for pedestrian and wheelchair traffic.





1

■ Channels made of galvanised steel, stainless steel or PE-PP with fix installation height with or without height adjustment, big installation heights for economic installation

2

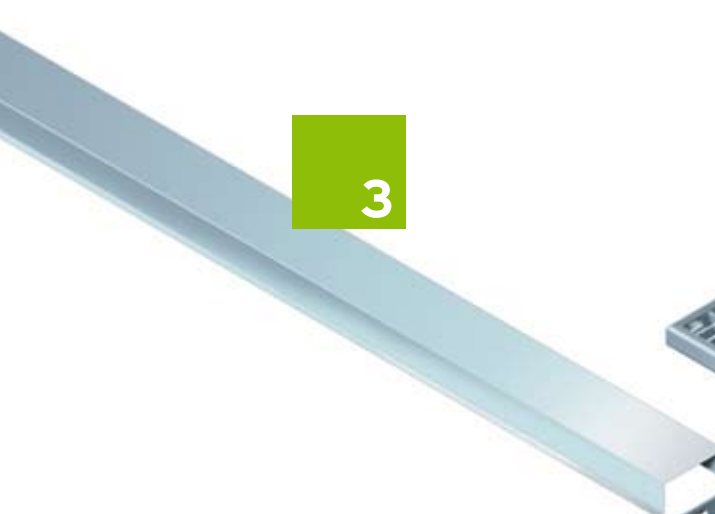
■ different grating options, for example mesh gratings

3

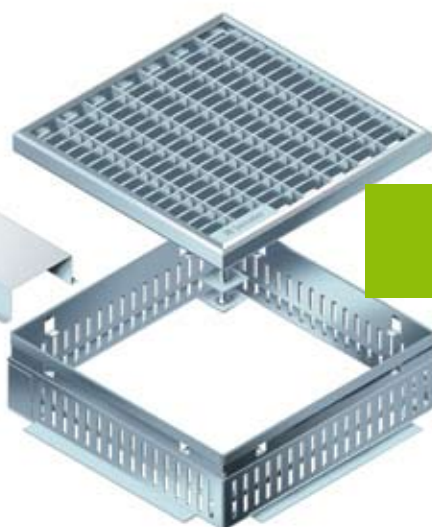
■ Intersection channel for backwater free inlet of the water to the outlet

4

■ DACHFIX GULLY extension made of galvanised or stainless steel, with fix installation height with or without height adjustment, fitting grating options



3



4

RECYFIX®
PLUS

RECYFIX®
STANDARD

SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

RECYFIX®
GREEN SUPER

RECYFIX®
GREEN STANDARD

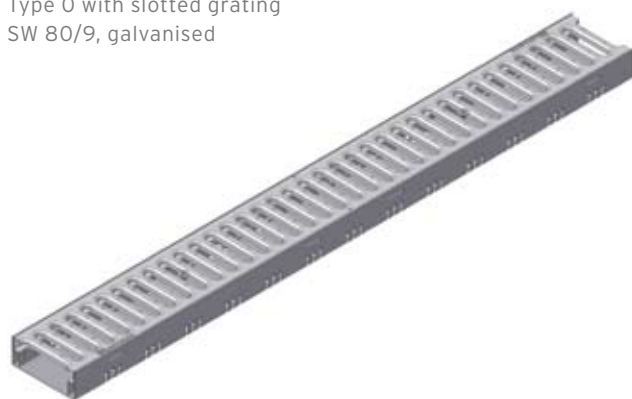
RECYFIX®
STREIF

LINEFIX®

DACHFIX®

DACHFIX® - Channel with slotted grating, not height adjustable 45 mm

Type 0 with slotted grating
SW 80/9, galvanised

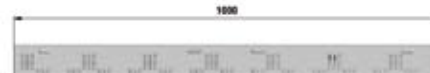
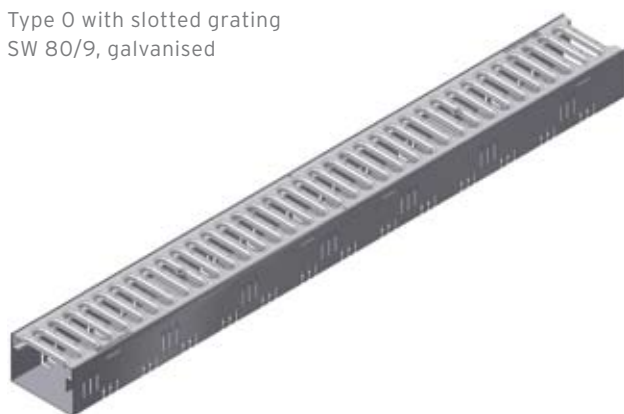


	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with slotted grating SW 80/9, galvanised	1500	115	45	5,0	61010
Type 0 with slotted grating SW 80/9, galvanised	1000	115	45	3,4	61012
Type 0 with slotted grating SW 80/9, galvanised	500	115	45	1,7	61014
Type 0 with slotted grating SW 80/9, stainless steel	1500	115	45	5,0	61210
Type 0 with slotted grating SW 80/9, stainless steel	1000	115	45	3,3	61212
Type 0 with slotted grating SW 80/9, stainless steel	500	115	45	1,7	61214

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX® - Channel with slotted grating, not height adjustable 75 mm

Type 0 with slotted grating
SW 80/9, galvanised



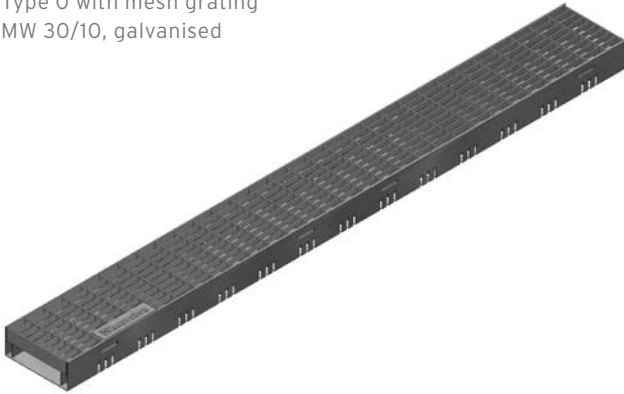
	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with slotted grating SW 80/9, galvanised	1500	115	75	5,7	61110
Type 0 with slotted grating SW 80/9, galvanised	1000	115	75	3,8	61112
Type 0 with slotted grating SW 80/9, galvanised	500	115	75	2,0	61114
Type 0 with slotted grating SW 80/9, stainless steel	1500	115	75	5,7	61310
Type 0 with slotted grating SW 80/9, stainless steel	1000	115	75	3,8	61312
Type 0 with slotted grating SW 80/9, stainless steel	500	115	75	2,0	61314

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX®

DACHFIX® - Channel with mesh grating, not height adjustable 45 mm

Type 0 with mesh grating
MW 30/10, galvanised

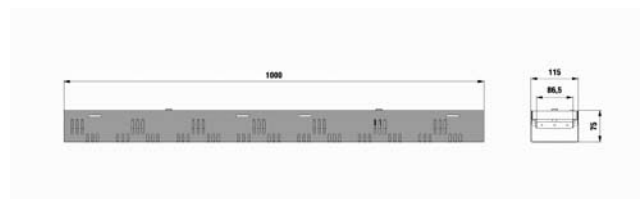
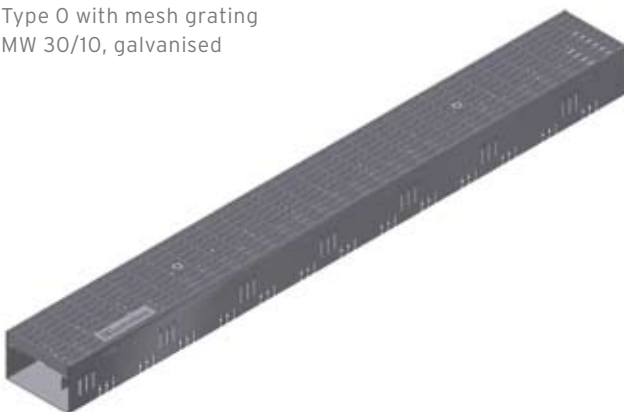


	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with mesh grating MW 30/10, galvanised	1500	115	45	6,9	61020
Type 0 with mesh grating MW 30/10, galvanised	1000	115	45	4,6	61022
Type 0 with mesh grating MW 30/10, galvanised	500	115	45	2,3	61024
Type 0 with mesh grating MW 30/10, stainless steel	1500	115	45	7,0	61220
Type 0 with mesh grating MW 30/10, stainless steel	1000	115	45	4,7	61222
Type 0 with mesh grating MW 30/10, stainless steel	500	115	45	2,4	61224

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX® - Channel with mesh grating, not height adjustable 75 mm

Type 0 with mesh grating
MW 30/10, galvanised



	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with mesh grating MW 30/10, galvanised	1500	115	75	7,6	61120
Type 0 with mesh grating MW 30/10, galvanised	1000	115	75	5,1	61122
Type 0 with mesh grating MW 30/10, galvanised	500	115	75	2,6	61124
Type 0 with mesh grating MW 30/10, stainless steel	1500	115	75	7,8	61320
Type 0 with mesh grating MW 30/10, stainless steel	1000	115	75	5,2	61322
Type 0 with mesh grating MW 30/10, stainless steel	500	115	75	2,6	61324

The quality of the stainless steel material is according CNS 1.4301.

RECYFIX®
PLUS

RECYFIX®
STANDARD

SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

RECYFIX®
GREEN SUPER

RECYFIX®
GREEN STANDARD

RECYFIX®
STREIF

LINEFIX®

DACHFIX®

DACHFIX® - Channel made of stainless steel with PE-PP grating, black, not height adjustable 45 mm

Type 0 with mesh grating
MW 8/21

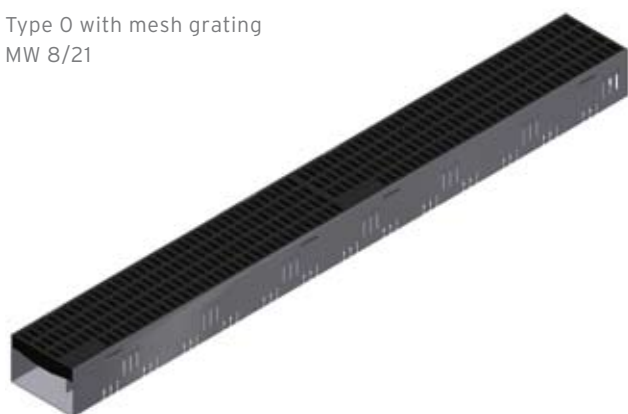


	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with mesh grating MW 8/21	1500	115	45	4,4	61230
Type 0 with mesh grating MW 8/21	1000	115	45	3,0	61232
Type 0 with mesh grating MW 8/21	500	115	45	1,5	61234

The quality of the stainless steel material is according to CNS 1.4301.

DACHFIX® - Channel made of stainless steel with PE-PP grating, black, not height adjustable 75 mm

Type 0 with mesh grating
MW 8/21



	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with mesh grating MW 8/21	1500	115	75	5,1	61330
Type 0 with mesh grating MW 8/21	1000	115	75	3,5	61332
Type 0 with mesh grating MW 8/21	500	115	75	1,8	61334

The quality of the stainless steel material is according to CNS 1.4301.

DACHFIX®

DACHFIX® - Channel made of stainless steel with PE-PP grating, silver, not height adjustable 45 mm

Type 0 with mesh grating
MW 8/21

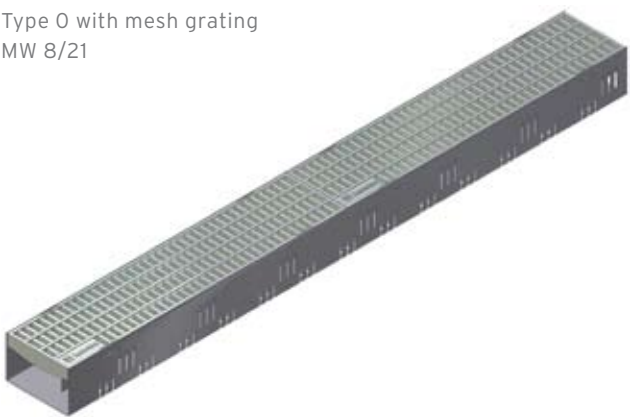


	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with mesh grating MW 8/21	1500	115	45	4,4	61240
Type 0 with mesh grating MW 8/21	1000	115	45	3,0	61242
Type 0 with mesh grating MW 8/21	500	115	45	1,5	61244

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX® - Channel made of stainless steel with PE-PP grating, silver, not height adjustable 75 mm

Type 0 with mesh grating
MW 8/21



	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0 with mesh grating MW 8/21	1500	115	75	5,1	61340
Type 0 with mesh grating MW 8/21	1000	115	75	3,5	61342
Type 0 with mesh grating MW 8/21	500	115	75	1,8	61344

The quality of the stainless steel material is according CNS 1.4301.

RECYFIX®
PLUS

RECYFIX®
STANDARD

SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

RECYFIX®
GREEN SUPER

RECYFIX®
GREEN STANDARD

RECYFIX®
STREIF

LINEFIX®

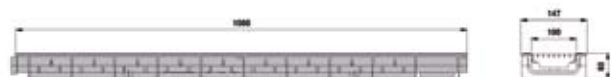
DACHFIX®

DACHFIX® - Channel made of PE-PP, not height adjustable 60 mm

Type 0/60 PE with
slotted grating SW 80/9,
galvanised



Type 0/60 PE with
mesh grating MW 30/10,
galvanised



	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 0/60 PE with slotted grating SW 80/9, galvanised	1000	147	60	3,0	61412
Type 0/60 PE with slotted grating SW 80/9, stainless steel	1000	147	60	3,0	61413
Type 0/60 PE with mesh grating MW 30/10, galvanised	1000	147	60	4,2	61422
Type 0/60 PE with mesh grating MW 30/10, stainless steel	1000	147	60	4,2	61423

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX®

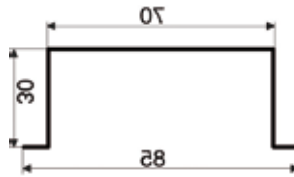
DACHFIX® - Accessories



Adjusting set for DACHFIX
Type 0, height 75 mm



Cross-intersection channel



End cap



End cap

	Length mm	Width mm	Height mm	Weight kg	Article No. gal- vanised	Article No. stainless steel
End cap	-	115	45	-	61009	61209
End cap	-	115	75	-	61109	61309
End cap closed, made of PE-PP, for type 60	-	147	60	-	40284	-
Cross-intersection channel	1000	70	30	0,7	60800	60801
Adjusting set for DACHFIX Type 0, height 75 mm	-	-	-	0,2	61150	61350

The quality of the stainless steel material is according CNS 1.4301.

RECYFIX®
PLUS

RECYFIX®
STANDARD

SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

RECYFIX®
GREEN SUPER

RECYFIX®
GREEN STANDARD

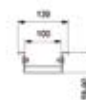
RECYFIX®
STREIF

LINEFIX®

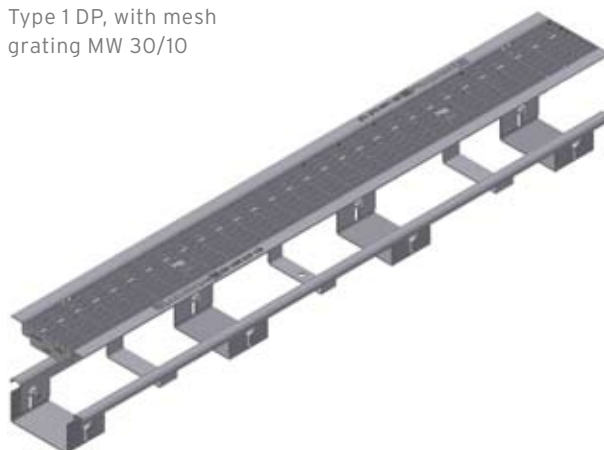
DACHFIX®STANDARD

DACHFIX®STANDARD - Channel Type 1, galvanised, height adjustable

Type 1 DP, with slotted
grating SW 75/9



Type 1 DP, with mesh
grating MW 30/10

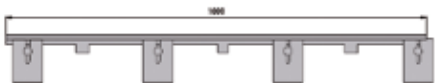
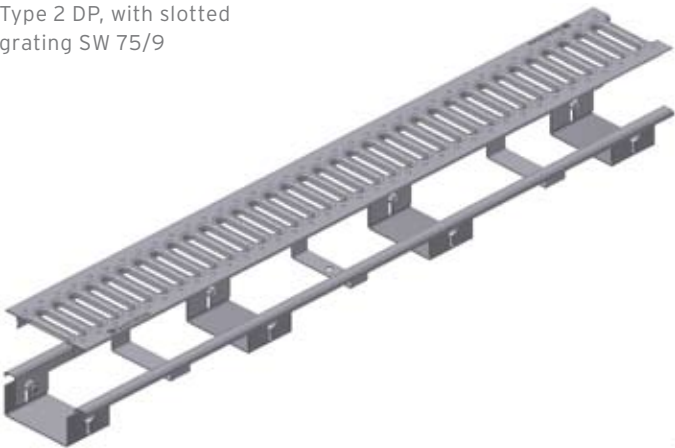


	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 1 DP, with slotted grating SW 75/9	1000	139	58 - 90	4,7	60070
Type 1 DP, with slotted grating SW 75/9	500	139	58 - 90	2,4	60073
Type 1 DP, with mesh grating MW 30/10	1000	139	58 - 90	6,6	60080
Type 1 DP, with mesh grating MW 30/10	500	139	58 - 90	3,1	60083
Type 1 DP, with perforated grating diam. 6	1000	139	58 - 90	5,6	60078

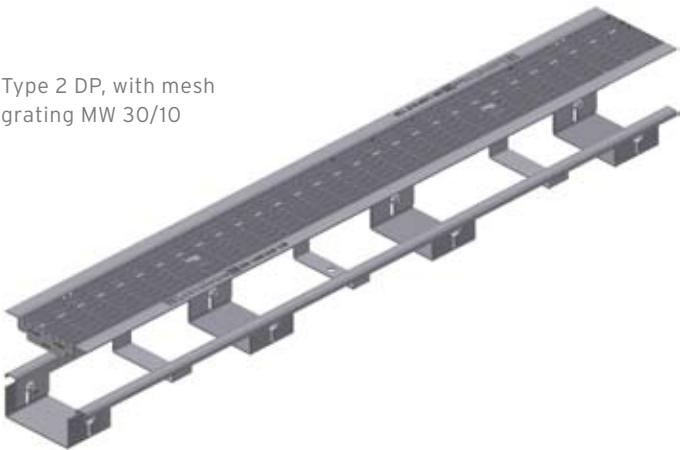
DACHFIX®STANDARD

DACHFIX®STANDARD - Channel Type 2, galvanised, height adjustable

Type 2 DP, with slotted
grating SW 75/9



Type 2 DP, with mesh
grating MW 30/10



	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 2 DP, with slotted grating SW 75/9	1000	139	110 - 160	5,3	60170
Type 2 DP, with mesh grating MW 30/10	1000	139	110 - 160	7,2	60180
Type 2 DP, with perforated grating diam. 6	1000	139	110 - 160	8,7	60178

RECYFIX®
PLUS

RECYFIX®
STANDARD

SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

RECYFIX®
GREEN SUPER

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GREEN STANDARD

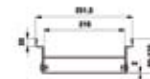
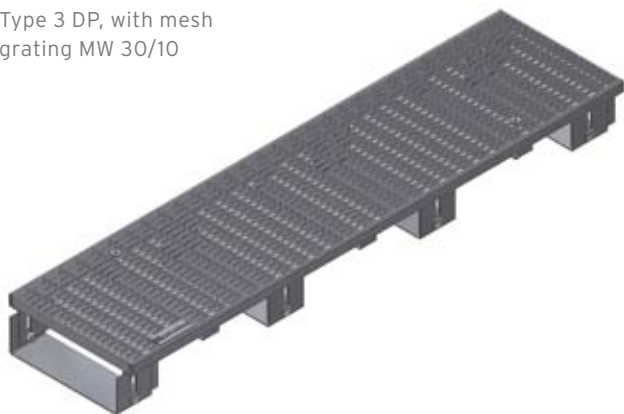
RECYFIX®
STREIF

LINEFIX®

DACHFIX®STANDARD

DACHFIX®STANDARD - Channel Type 3, galvanised, height adjustable

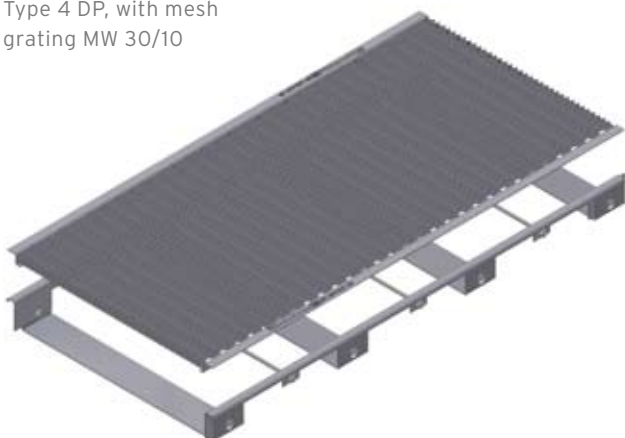
Type 3 DP, with mesh grating MW 30/10



	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 3 DP, with mesh grating MW 30/10	1000	252	90 - 130	9,2	60280

DACHFIX®STANDARD - Channel Type 4, galvanised, height adjustable

Type 4 DP, with mesh grating MW 30/10

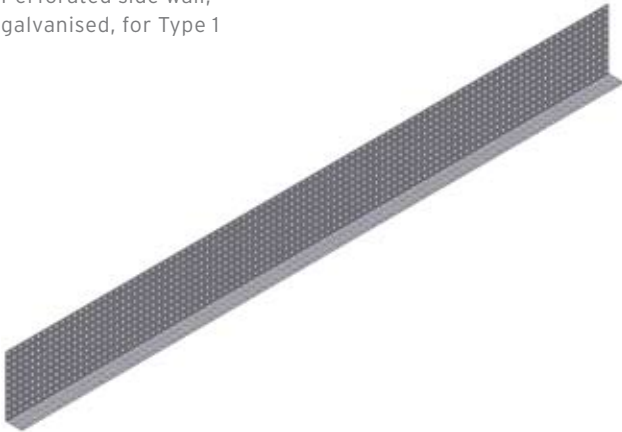


	Length mm	Width mm	Height mm	Weight kg	Article No.
Type 4 DP, with mesh grating MW 30/10	1000	500	70 - 110	1,0	60380

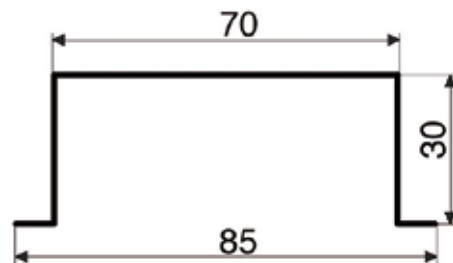
DACHFIX®STANDARD

DACHFIX®STANDARD - Accessories

Perforated side wall,
galvanised, for Type 1



Cross-intersection channel



	Length mm	Width mm	Height mm	Weight kg	Article No. galvanised	Article No. stainless steel
Perforated side wall, galvanised, for Type 1	1000	29	50	0,3	60700	-
Perforated side wall, galvanised, for Type 1	500	29	50	0,2	60706	-
Perforated side wall, galvanised, for Type 2	1000	27	100	0,4	60721	-
Perforated side wall, galvanised, for Type 3/4	1000	32	70	0,6	60741	-
Cross-intersection channel	1000	70	30	0,7	60800	60801

RECYFIX®
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SLOTTED
CHANNELS

FASERFIX®
STANDARD

RECYFIX®POINT
FASERFIX®POINT

DACHFIX®

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GREEN SUPER

RECYFIX®
GREEN STANDARD

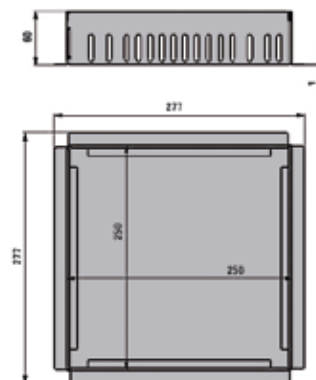
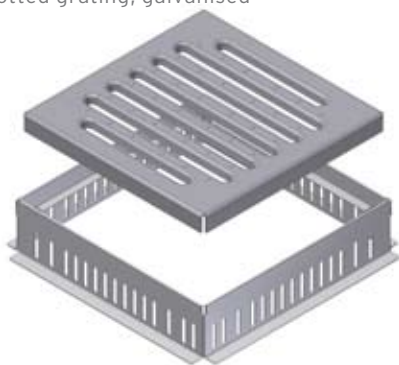
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STREIF

LINEFIX®

DACHFIX®POINT

DACHFIX®POINT - Type 1, not height adjustable 60 mm, 250 x 250 mm

Gully extension Type 1 with slotted grating, galvanised

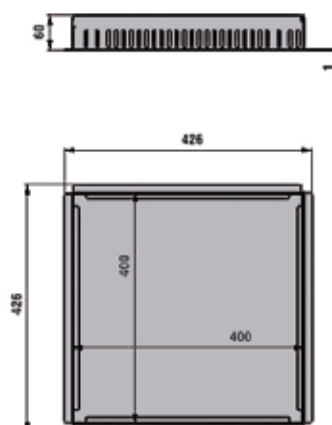
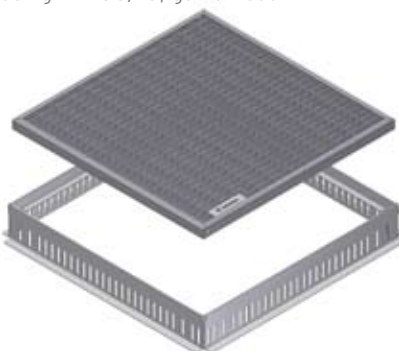


	Length mm	Width mm	Height mm	Weight kg	Article No.
Gully extension Type 1 with slotted grating, galvanised	250	250	60	1,7	60620
Gully extension Type 1 with mesh grating, MW 30/10, galvanised	250	250	60	1,4	60610
Gully extension Type 1 with slotted grating, stainless steel	250	250	60	1,7	60625
Gully extension Type 1 with mesh grating MW 30/10, stainless steel	250	250	60	1,4	60615

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX®POINT - Type 2, not height adjustable 60 mm, 400 x 400 mm

Gully extension Type 2 with mesh grating MW 30/10, galvanised



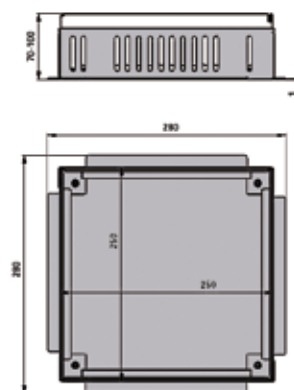
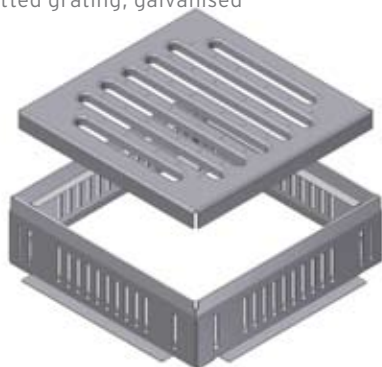
	Length mm	Width mm	Height mm	Weight kg	Article No.
Gully extension Type 2 with mesh grating MW 30/10, galvanised	400	400	60	5,7	60640
Gully extension Type 2 with mesh grating MW 30/10, stainless steel	400	400	60	5,7	60645

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX®POINT

DACHFIX®POINT - Type 1, height adjustable, 250 x 250 mm

Gully extension Type 1 with slotted grating, galvanised

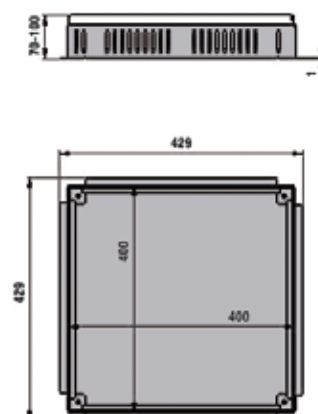
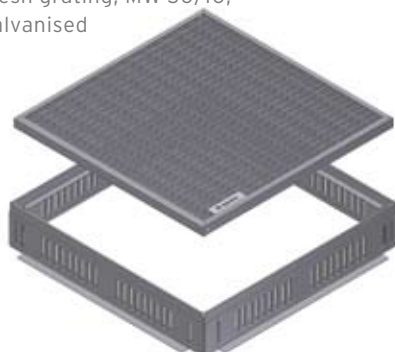


	Length mm	Width mm	Height mm	Weight kg	Article No.
Gully extension Type 1 with slotted grating, galvanised	250	250	70 - 110	4,3	60542
Gully extension Type 1 with mesh grating, MW 30/10, galvanised	250	250	70 - 110	4,0	60541
Gully extension Type 1 with slotted grating, stainless steel	250	250	70 - 100	4,3	60547
Gully extension Type 1 with mesh grating, MW 30/10, stainless steel	250	250	70 - 100	4,0	60546

The quality of the stainless steel material is according CNS 1.4301.

DACHFIX®POINT - Type 2, height adjustable, 400 x 400 mm

Gully extension Type 2 with mesh grating, MW 30/10, galvanised



	Length mm	Width mm	Height mm	Weight kg	Article No.
Gully extension Type 2 with mesh grating, MW 30/10, galvanised	400	400	70 - 100	7,2	60591
Gully extension Type 2 with mesh grating, MW 30/10, stainless steel	400	400	70 - 100	7,2	60596

The quality of the stainless steel material is according CNS 1.4301.

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