



NEW

RECYFIX®

Surface drainage channels.



RECYFIX® references



Heathrow Airport, London, UK



Park Albany Lakes, Auckland, New Zealand



Car park, Vienna, Austria



Tsaritsino place, Moscow, Russia



Toyota test track, Brussels, Belgium



Frauenkirche Church, Dresden, Germany



Teesport Container Terminal, Middlesbrough, UK



ALLE shopping centre, Budapest, Hungary






National Library, Riga, Latvia

CIVILS

- Airports
- Container terminals
- Race circuits and test tracks
- Traffic areas for industry
- Petrol stations
- Car parks
- and more ...



-  Category D 400,
Load class 400 kN
-  Category E 600,
Load class 600 kN
-  Category F 900,
Load class 900 kN



RECYFIX® HICAP® F
Linear drainage for extreme conditions with high hydraulic requirements. 12



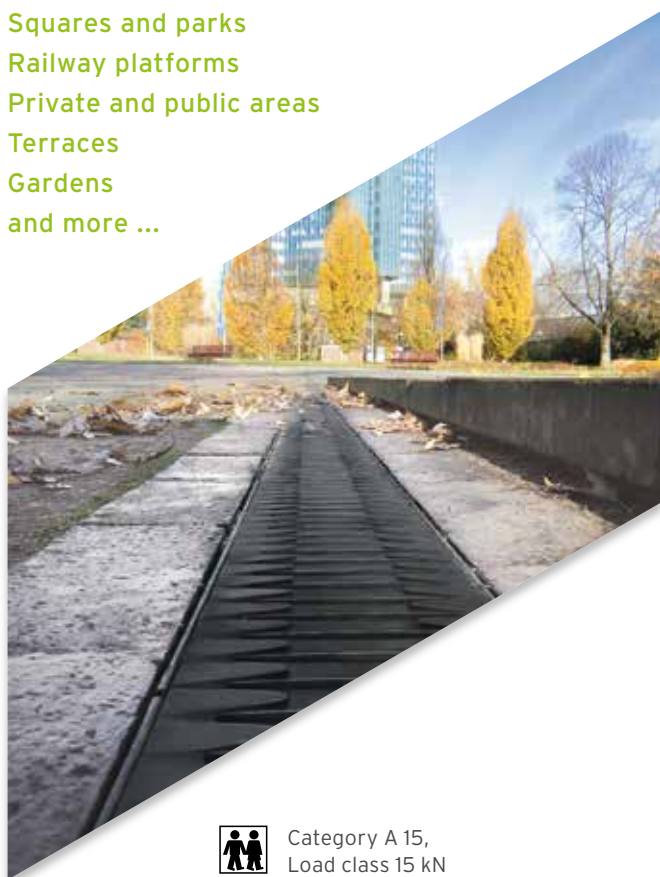
RECYFIX® NC
Highly stable and lightweight - linear drainage made of PP for Civils engineering. 38






RECYFIX® MONOTEC
Drainage system for traffic, parking and commercial areas. 62

LANDSCAPING

- Squares and parks
- Railway platforms
- Private and public areas
- Terraces
- Gardens
- and more ...



-  Category A 15,
Load class 15 kN
-  Category B 125,
Load class 125 kN
-  Category C 250,
Load class 250 kN



RECYFIX® PRO
Corrosion-free linear drainage for private and public areas. 84



RECYFIX® PLUS
Linear drainage channels with a sophisticated look for public and commercial areas. 110



RECYFIX® STANDARD
Linear drainage channels for public and commercial areas. 136



Slotted Channels
Slotted channels for design-sensitive applications. 160



TOP X
The drainage channel for private driveways, courtyards, patios and gardens. 176

General Information



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Additional drainage solutions

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Customer benefits

How you profit from HAURATON.

199



RECYFIX® Material

Recycled Composite
Long-lasting, corrosion-free
and economical.

211



Hydraulic RECYFIX® channels for all hydraulic requirements.

233



Installation It's running well during the installation.

243

Welcome to one of the worldwide leaders in drainage

Innovative drainage products from HAURATON make sure that water flows away in proper courses and that buildings remain safe all over the world. We have been developing and producing solutions for surface drainage for over 60 years, and distribute them worldwide with great success. Our strengths are the flexibility and individuality of a family-owned company with short lines of decision making and a consistent market orientation.

The most personal company's history in the world. Enter the new **HAURATON** timeline here:



HAURATON locations



HauratonZentrale
→ Headquarter



AlteSchlosserei
→ Conference center



FactoryÖtigheim
→ Factory and logistics



hauraton

Locations and partners all over the world



Subsidiaries



Exclusive Distributors



Subsidiaries



Exclusive Distributors



Some figures from
the HAURATON world

FOUNDED
IN

1956

KM OF CHANNELS
INSTALLED IN 2015

1,800

This corresponds to the distance
from Rastatt to Madrid

350
EMPLOYEES
WORLDWIDE

KM LINEAR DISTANCE

18,500

18,500 KM as the crow flies to our most
faraway project in New Zealand

uraton

Export to

73 COUNTRIES
WORLDWIDE

HAURATON Export team



- | | | | | | | |
|--|---|---|---|--|--|---|
| 1 Liesa Ziesemer
Sales Support Export | 2 Jana Hnilíčková
Technical Support Export | 3 Matthias Unser
Senior Export Manager | 4 Rebecca Weller
Sales Support Export | 5 Rüdiger Simons
Senior Export Manager | 6 Ramona Kyre
Sales Support Export | 7 Lisa Dreixler
Sales Support Export |
| 8 Dirk Sander
Senior Export Manager | 9 Rainer Schalbe
Technical Support Export | 10 Kerstin Engelhard
Export Manager | 11 Daniela Gerstner
Sales Support Export | 12 Inge Würges-Degrell
Sales Support Export | 13 Dirk Neumaier
Technical Support Export | |
| 14 Martina Böhm
Sales Support Export | 15 Maurice Karcher
Senior Export Manager | 16 Ulrich Krause
Senior Export Manager | 17 Marcus Reuter
Managing Director | 18 Anna Mosberger
Sales Support Export | 19 Maria Marczyk
Export Manager | |

Benefits of **RECYFIX**® Channels



high stability

- channels are extremely tough, can be packed, transported and transferred with ease

→ see page 212



low weight ensures easy handling on site

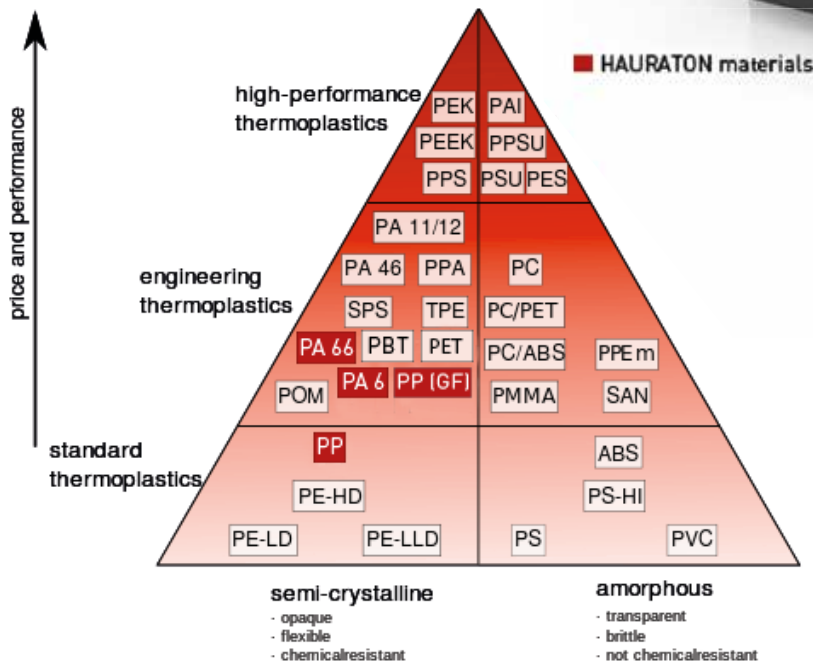
- much lighter than channels made of polymer concrete
- easy transport and installation

→ see page 195



The FIBRETEC Slotted grating was awarded with the international design award Focus Open 2010 and nominated for the German Design Award.

→ see page 197



→ see page 207



ecological and sustainable material

■ RECYFIX channels are made of 100% recycled Polypropylene (PP) that is very environmentally friendly

→ see page **205**



high resistance

- high chemical resistance against aggressive liquids
- high resistance against frost and de-icing salt
- 100% UV-resistant

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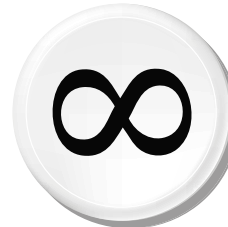
100% corrosion-free



high security

■ Certified according to EN 1433

→ see page **197**



durability

■ Polypropylene (PP) reacts very slowly to weathering such as air, light, wind, dust and therefore is extremely durable

→ see page **215**



RECYFIX®

= a high-quality recycled composite



→ see page **220**



RECYFIX® channels meet the requirement of European Standard EN 1433 (drainage channels)

CIVILS

**Highly stable drainage channels
for highest demands.**

Airports
Container terminals
Circuits and test tracks
Traffic areas for industry
Petrol stations
Car parks



RECYFIX® HICAP® F

High capacity drainage system for the highest load category.





RECYFIX® HICAP® F

High capacity drainage system for the highest load category.

1 Requirements

Drainage system for extreme conditions with

- high hydraulic requirements
- high loads
- large areas
- ailing sewer systems

2 Application areas

- parking areas
- supermarkets/shopping centres
- pedestrian areas
- airports
- industrial estates
- container terminals
- ports
- circuits and test tracks

3 Solutions

Special features of RECYFIX HICAP:

- drainage and retention in one component
- large selection of nominal widths
- for all loading classes and all common road surface finishes
- less manholes and outlets
- provides an uniform visual appearance also in large projects
- no separate gratings
- no expensive pipe installations required
- high hydraulic capacity
- easy to maintain



Airport Newquay, England



Renovation city centre Szentendre, Hungary



Skyscraper ZLOTA 44 in Warsaw, Poland



Industrial estate, England



Teesport Container Terminal, UK

RECYFIX®HICAP® F
RECYFIX®NC
RECYFIX®MONOTEC

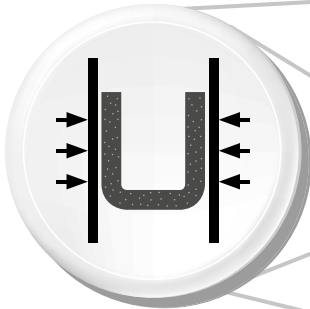
Your benefits with **RECYFIX®**HICAP®F channels



Fast & easy installation

- easy to handle and install
- integrated tongue and groove joint
- installation in one component
- less pipe installations

= **Cost saving**



Top inlet made of high-quality ductile iron and channel body from sustainable PP

- material: ductile iron EN GJS-500-7
- 23 times higher tensile strength and 9 times higher compressive strength as polymer concrete
- various gratings
- surfaces extremely robust and indestructible

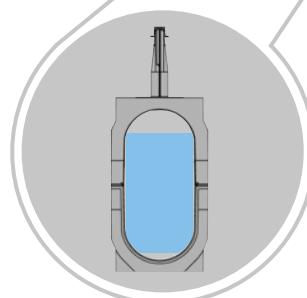
= **Security**



Channel body made from sustainable material

- material from 100 % recycled PP
- very light and unbreakable material

= **Security**



Large retention volume

- drainage and retention in one component
- high capacity and back-pressure capacity due to a variety sizes
- fewer trash boxes and pipe connections required

= **Flexibility/Security**





Link&Lock facilitates the installation

- innovative linking system for ductile iron tops
- easy and quick alignment of each channel metre

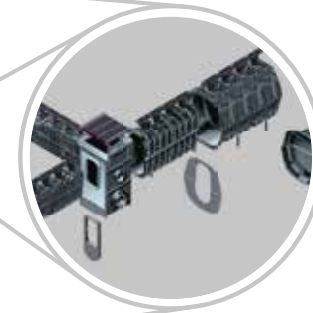
= **Cost savings**



Individual solutions

- possible radial installation
- cable and pipe installations can be laid through funnel
- ductile iron top on the surface can be interrupted while the channels on the underground continue

= **Flexibility**



Various connecting possibilities

- end cap with canal connection option
- simple possibility for preparation of corner and T-connections
- end cap adapter for connecting the next nominal width
- various options for pipe connections exist on the channel

= **Flexibility**



High stability

- designed for extreme conditions, especially for applications in heavy road traffic up to class F 900

= **Security**



Wide range

- various gratings, also available with KTL coating for extra corrosion protection
- uniform design also in different nominal widths

= **Flexibility**

RECYFIX®HICAP®F

**Effectively drained - modularly built.
Drainage and retention system for larger areas.**

Report from the field: RECYFIX®HICAP®F channels for Heathrow Airport, London

With 67 million travellers annually, Heathrow Airport in London is Europe's busiest airport. Worldwide it takes third place behind Atlanta and Chicago. This important hub in international air traffic is operated by BAA, British Airports Authority, the largest airport operator worldwide. 75 % of the British Airways fleet is based at Heathrow Airport.



At the southern section of the airport the British Airways service park was expanded. The construction site abutted right on the runway and taxiway. The demands on the new service site were immense: here airplanes of all types and sizes pass - including the Airbus A380, which was

also a main reason for the reconstruction. The aircraft tugs alone weigh 80 tons and, just as the airplanes, drive and turn on the traffic areas. The demands on the drainage systems are accordingly high.

Project progress

In 1999 BAA was supplied with FASERFIX SUPER channels for the Gatwick airport and installed in the British Airways hangars and Concorde maintenance hangars. One year later, FASERFIX SUPER KS 100 channels were delivered to London City Airport. The assigned engineering office was very satisfied with the quality and service. In 2003 BAA broached the topic of installation and handling of drainage systems. The main topic of the discussions was the extreme weight of the products and the associated high employment of machines during installation.

On multiple occasions, HAURATON contacted various departments of BAA and presented the advantages of RECYFIX products (lightweight, easy handling, meets British "Health and Safety Regulations" = One-man-lift = max. 25 kg). Drainage channels from this line were presented in various meetings and BAA decided across the board to work with HAURATON in the area of RECYFIX.



RECYFIX®HICAP®F - eco-friendly and 'easy to handle'

Another key criterion for BAA was recycling. Airport planning and operation are subject to stringent environmental requirements. Products made of recycled plastic are therefore especially suited.

Suppliers routinely need to present BAA with product innovations which offer cost savings in installation and maintenance. In 2006 the time came for HAURATON to present the new line RECYFIX HICAP. The feedback was very positive, with BAA immediately recognising the resulting advantage in installation and maintenance, and the installation at Heathrow was decided.

Installed items

- 380 m RECYFIX HICAP F 8000
- 100 m RECYFIX HICAP F 5000
- 100 m RECYFIX HICAP F 3000



Lightweight elements, installed by one single worker.

Other examples of RECYFIX®HICAP®F



RECYFIX®HICAP®F

High capacity drainage system for the highest load category

Sample calculation:

RECYFIX®HICAP®F with mesh 13/28 mm grating

The hydraulic advantages of RECYFIX HICAP channels can be demonstrated by the following calculation:

Inlet capacity of a mesh 13/28 mm grating, determined at Prague Technical University:

4.0 l/s per metre

Frequently occurring yield from rain events:

150.0 l/s per hectare

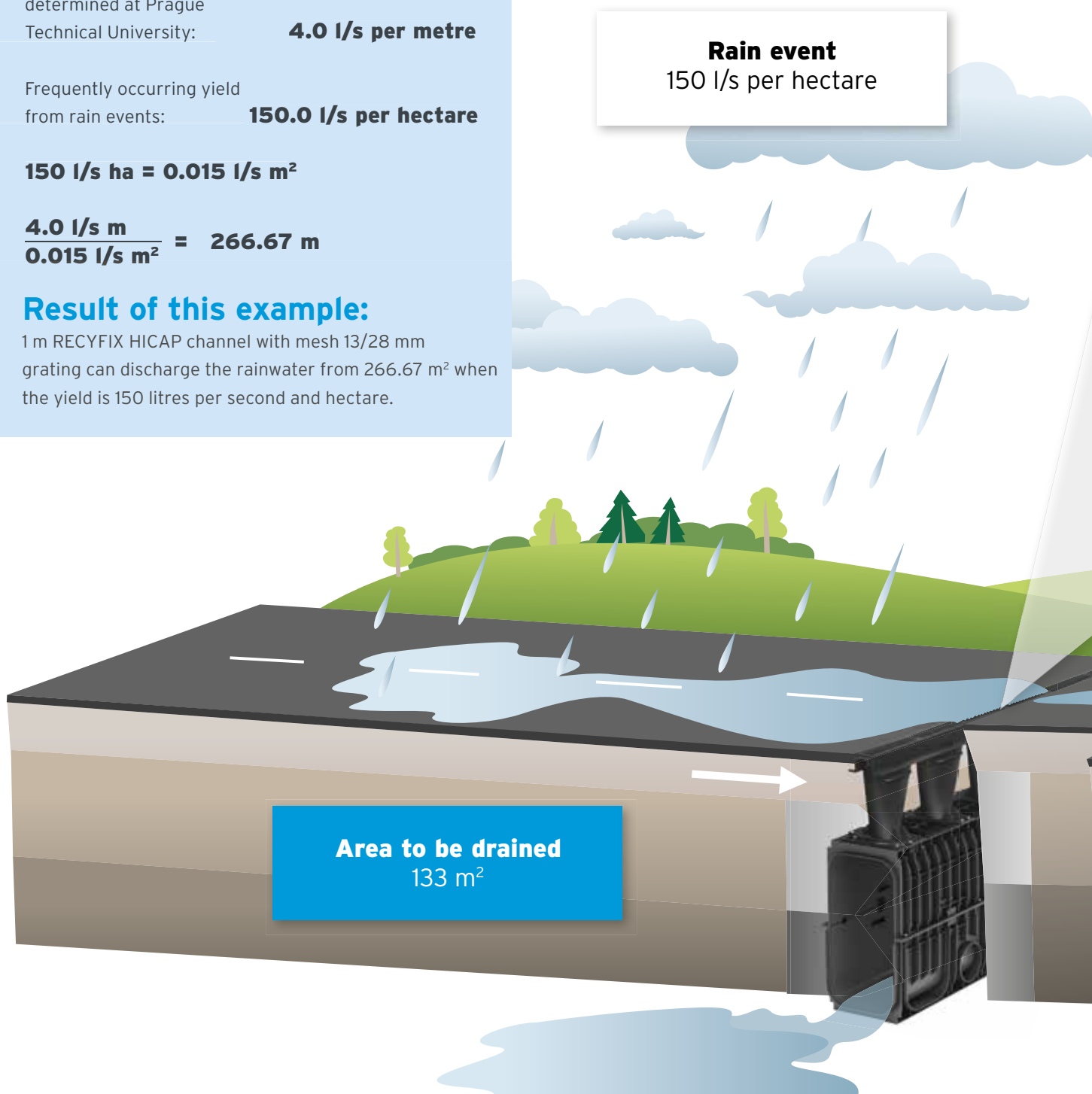
150 l/s ha = 0.015 l/s m²

$\frac{4.0 \text{ l/s m}}{0.015 \text{ l/s m}^2} = 266.67 \text{ m}$

Result of this example:

1 m RECYFIX HICAP channel with mesh 13/28 mm grating can discharge the rainwater from 266.67 m² when the yield is 150 litres per second and hectare.




Rain event
150 l/s per hectare



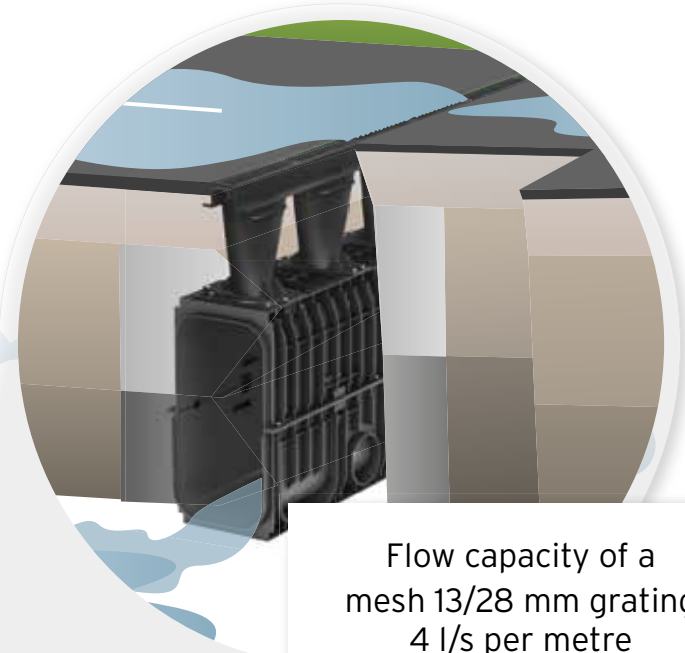
Area to be drained
133 m²

Inlet capacity of RECYFIX®HICAP®F

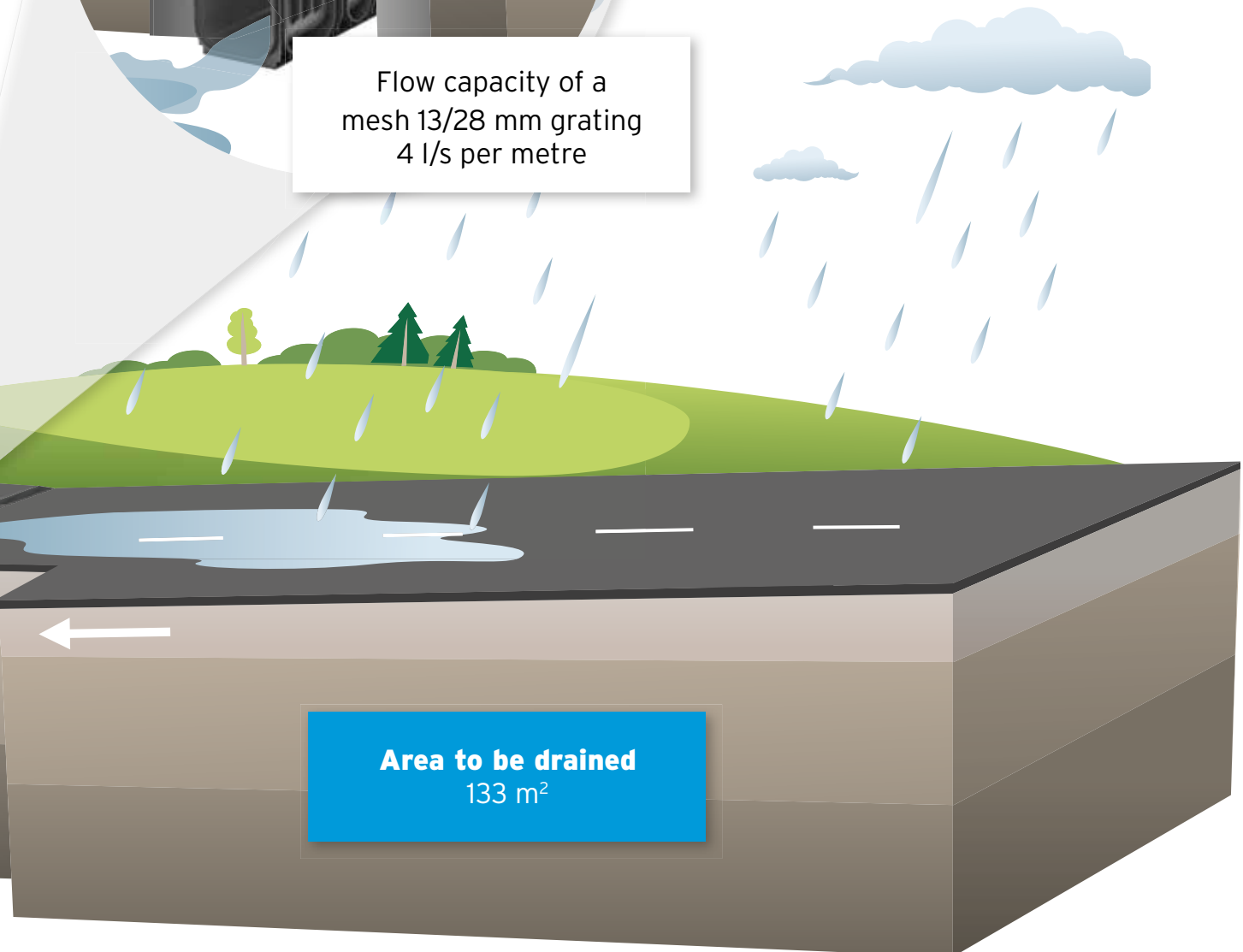
(applies to all nominal widths)

Slot 6 mm		3.80
Mesh 13/28 mm		4.00
Slot 28 mm		3.60

* measured with a water head of 10 mm



Flow capacity of a mesh 13/28 mm grating
4 l/s per metre



Area to be drained
133 m²

RECYFIX® HICAP® F

High capacity drainage system for the highest load category

RECYFIX HICAP channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



**Category
A 15**



**Category
B 125**



**Category
C 250**



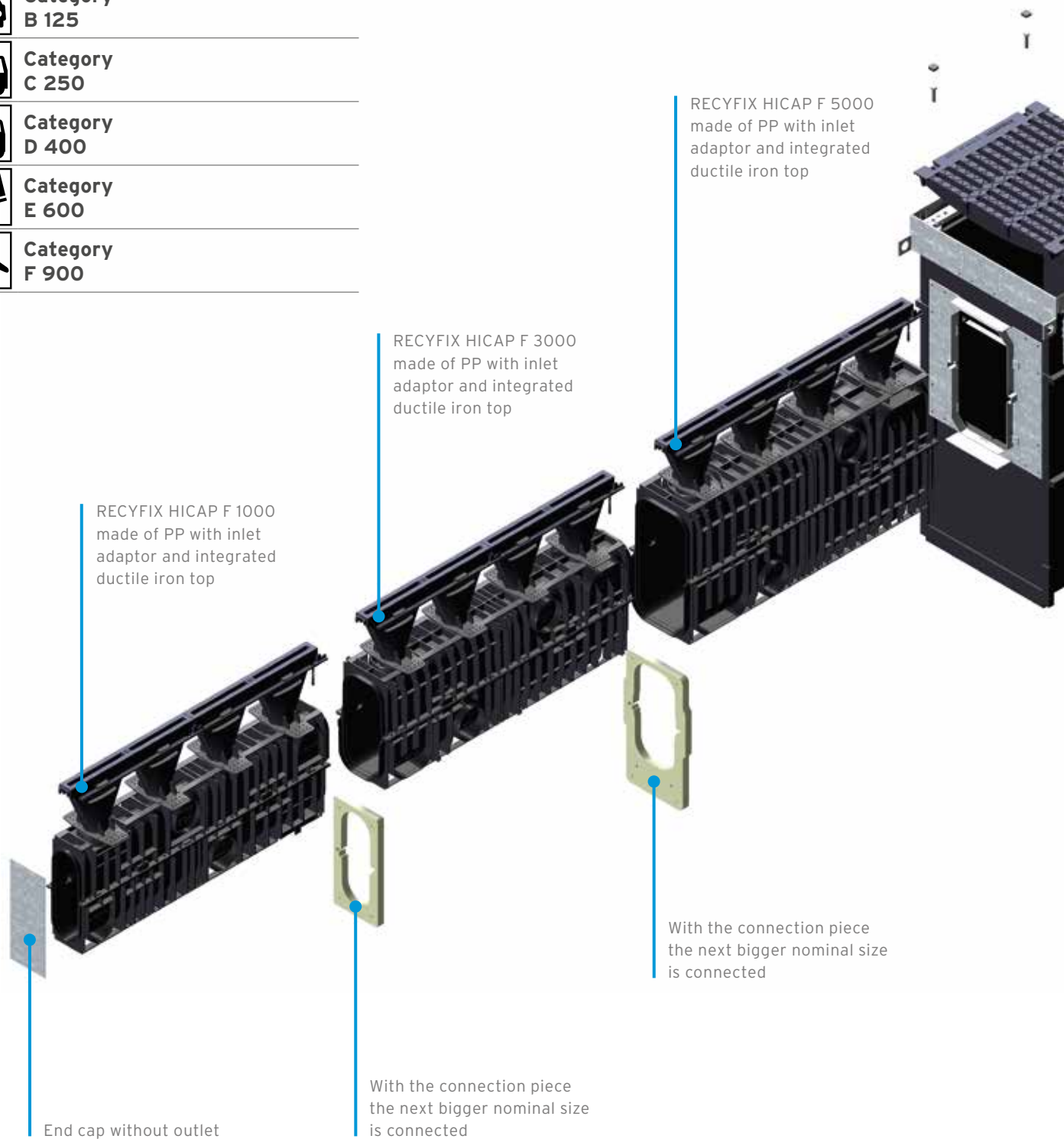
**Category
D 400**



**Category
E 600**



**Category
F 900**



RECYFIX HICAP F 1000
made of PP with inlet
adaptor and integrated
ductile iron top

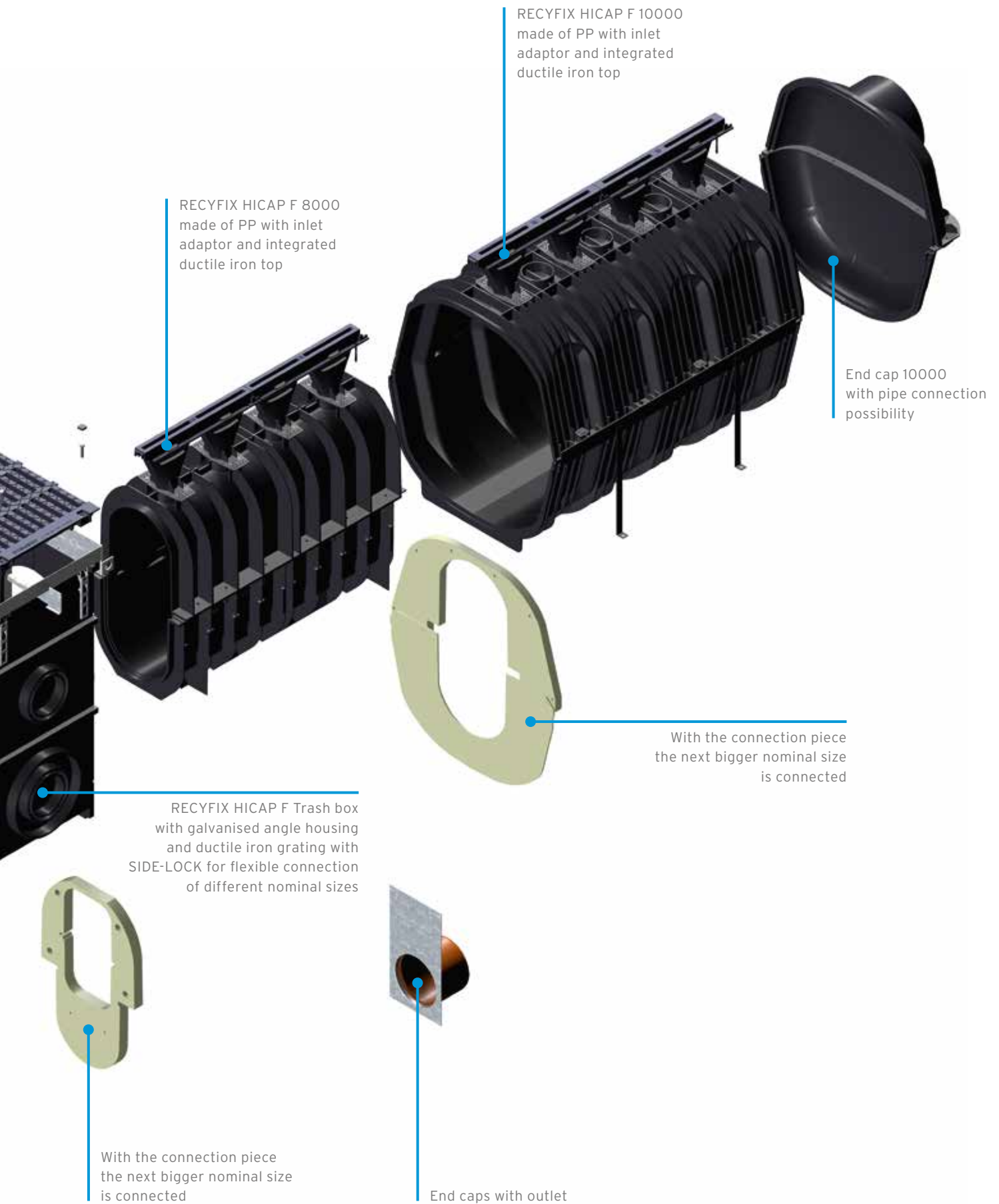
RECYFIX HICAP F 3000
made of PP with inlet
adaptor and integrated
ductile iron top

RECYFIX HICAP F 5000
made of PP with inlet
adaptor and integrated
ductile iron top

End cap without outlet

With the connection piece
the next bigger nominal size
is connected

With the connection piece
the next bigger nominal size
is connected



RECYFIX HICAP F 10000
made of PP with inlet
adaptor and integrated
ductile iron top

RECYFIX HICAP F 8000
made of PP with inlet
adaptor and integrated
ductile iron top

End cap 10000
with pipe connection
possibility

With the connection piece
the next bigger nominal size
is connected

RECYFIX HICAP F Trash box
with galvanised angle housing
and ductile iron grating with
SIDE-LOCK for flexible connection
of different nominal sizes

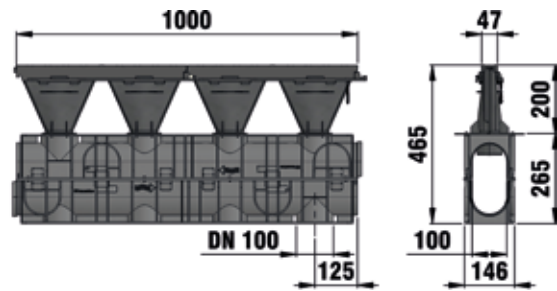
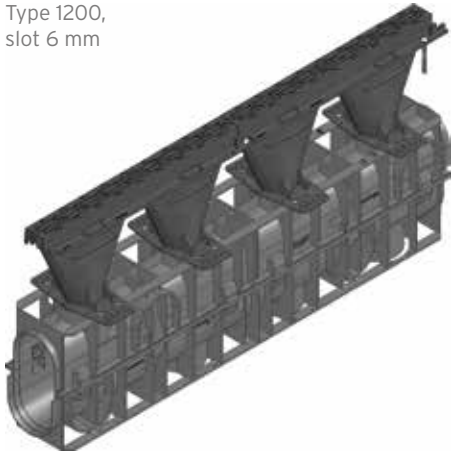
With the connection piece
the next bigger nominal size
is connected

End caps with outlet

RECYFIX®HICAP®F 1000

RECYFIX®HICAP®F 1000 up to load class D 400

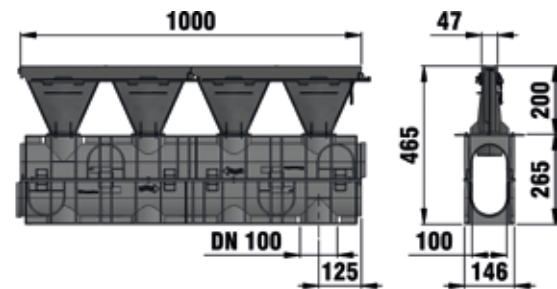
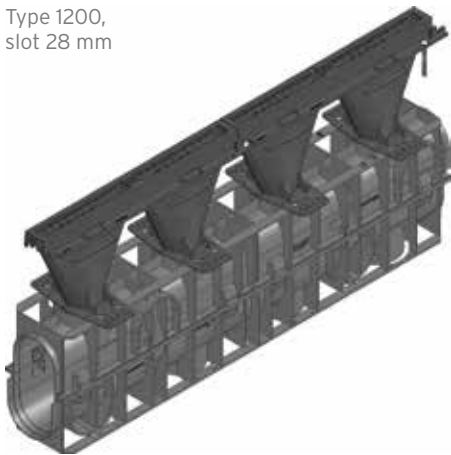
Type 1200,
slot 6 mm



Type 1200, slot 6 mm	1000	146	465	184	129	200	10,75	13000
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RECYFIX®HICAP®F 1000 up to load class F 900

Type 1200,
slot 28 mm



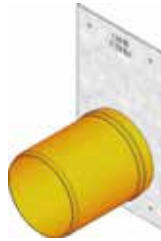
Type 1200, mesh 13/28 mm	1000	146	465	184	172	200	10,75	13025
Type 1200, slot 28 mm	1000	146	465	184	248	200	9,91	13035
Type 1200, slot 14 mm	1000	146	465	184	124	200	10,75	13023

RECYFIX®HICAP®F 1000

RECYFIX®HICAP®F 1000, Accessories



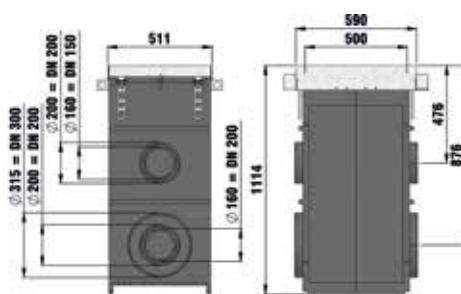
End cap closed, galvanised, type 1000



End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 1000

End cap closed, galvanised, type 1000	-	140	250	1,20	13013
End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 1000	-	140	250	1,20	13018

RECYFIX®HICAP®F Trash boxes



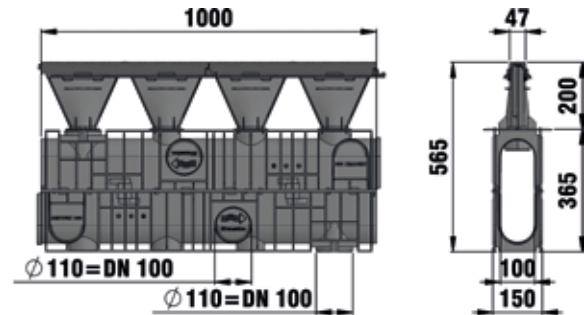
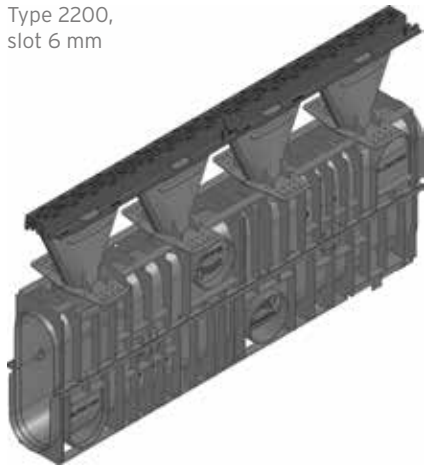
Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX®HICAP®F 2000

RECYFIX®HICAP®F 2000 up to load class D 400

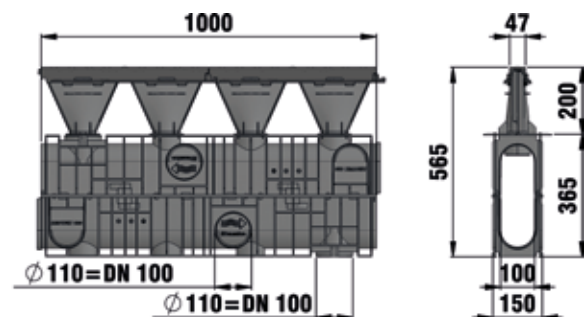
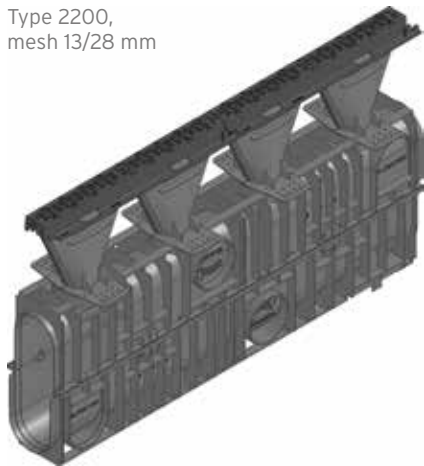
Type 2200,
slot 6 mm



Type 2200, slot 6 mm	1000	150	565	284	129	200	13,20	13010
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RECYFIX®HICAP®F 2000 up to load class F 900

Type 2200,
mesh 13/28 mm



Type 2200, mesh 13/28 mm	1000	150	565	284	172	200	13,10	13020
Type 2200, slot 28 mm	1000	150	565	284	248	200	11,14	13030
Type 2200, slot 14 mm	1000	150	565	284	124	200	11,51	13028

RECYFIX®HICAP®F 2000

RECYFIX®HICAP®F 2000, Accessories



End cap closed, galvanised, type 2000



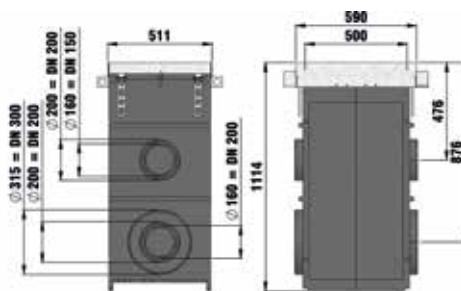
End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 2000



Step-fall ramp, stainless steel, from RECYFIX HICAP 2000 to RECYFIX HICAP 1000

End cap closed, galvanised, type 2000	-	140	350	1,80	13012
End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 2000	-	140	350	2,00	13015
Step-fall connector from RECYFIX HICAP 3000 to RECYFIX HICAP 2000	-	180	245	1,00	13019
Step-fall ramp, stainless steel, from RECYFIX HICAP 2000 to RECYFIX HICAP 1000	99	97	-	0,25	13195

RECYFIX®HICAP®F Trash boxes



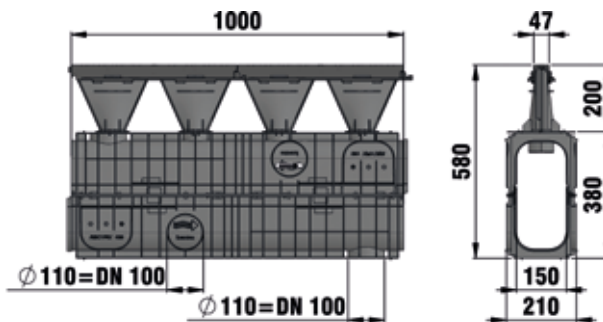
Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX®HICAP®F 3000

RECYFIX®HICAP®F 3000 up to load class D 400

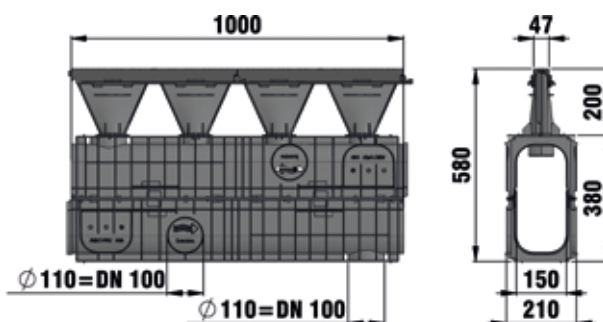
Type 3200,
slot 6 mm



Type 3200, slot 6 mm	1000	210	580	460	154	200	12,50	13210
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RECYFIX®HICAP®F 3000 up to load class F 900

Type 3200,
mesh 13/28 mm



Type 3200, mesh 13/28 mm	1000	210	580	460	172	200	12,40	13220
Type 3200, slot 28 mm	1000	210	580	460	248	200	11,29	13230
Type 3200, slot 14 mm	1000	210	580	460	124	200	11,95	13225

RECYFIX®HICAP®F 3000

RECYFIX®HICAP®F 3000, Accessories



End cap closed, galvanised, type 3000



End cap with PVC-U pipe outlet DN/OD 160, galvanised, type 3000



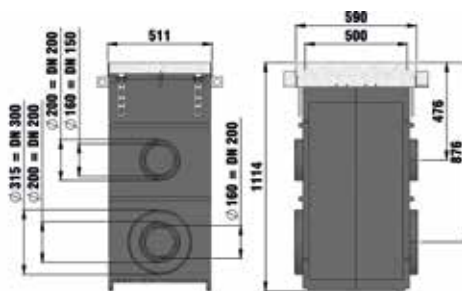
End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 2000



Step-fall connector from RECYFIX HICAP 3000 to RECYFIX HICAP 2000

End cap closed, galvanised, type 3000	-	190	370	2,00	13212
End cap with PVC-U pipe outlet DN/OD 160, galvanised, type 3000	-	190	370	2,40	13215
End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 2000	-	140	350	2,00	13015
Step-fall connector from RECYFIX HICAP 3000 to RECYFIX HICAP 2000	-	180	345	2,00	13017

RECYFIX®HICAP®F Trash boxes



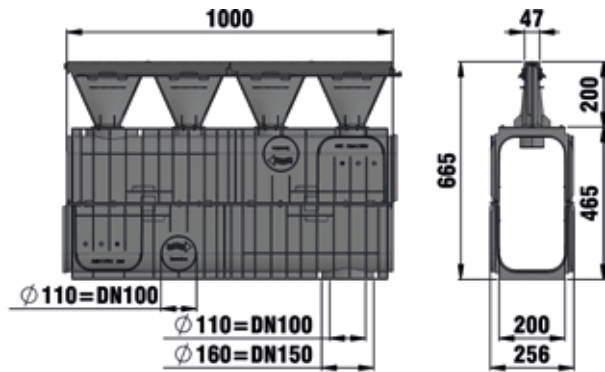
Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX®HICAP®F 5000

RECYFIX®HICAP®F 5000 up to load class D 400

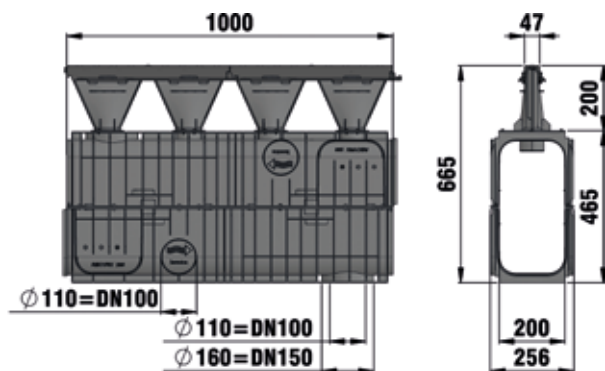
Type 5200,
slot 6 mm



Type 5200, slot 6 mm	1000	256	665	790	129	200	14,00	13410
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RECYFIX®HICAP®F 5000 up to load class F 900

Type 5200,
mesh 13/28 mm



Type 5200, mesh 13/28 mm	1000	256	665	790	172	200	13,90	13420
Type 5200, slot 28 mm	1000	256	665	790	248	200	12,61	13430
Type 5200, slot 14 mm	1000	256	665	790	124	200	13,45	13425

RECYFIX®HICAP®F 5000

RECYFIX®HICAP®F 5000, Accessories



End cap closed, galvanised, type 5000



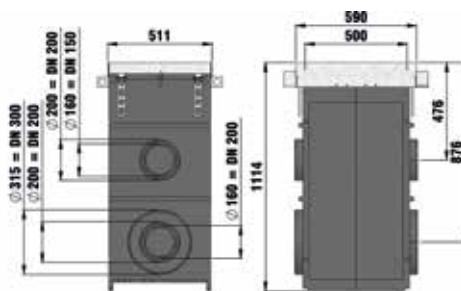
End cap with PVC-U pipe outlet DN/OD 200, galvanised, type 5000



Step-fall connector from RECYFIX HICAP 5000 to RECYFIX HICAP 3000

End cap closed, galvanised, type 5000	-	240	450	2,00	13412
End cap with PVC-U pipe outlet DN/OD 200, galvanised, type 5000	-	240	450	2,10	13415
Step-fall connector from RECYFIX HICAP 5000 to RECYFIX HICAP 3000	-	-	-	2,20	13217
Step-fall ramp, stainless steel, from RECYFIX HICAP 5000 to RECYFIX HICAP 3000	84	197	80	0,48	13295

RECYFIX®HICAP®F Trash boxes



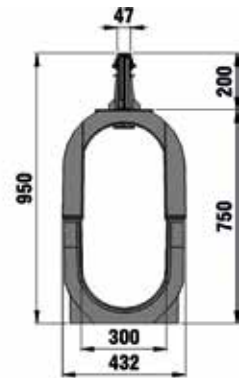
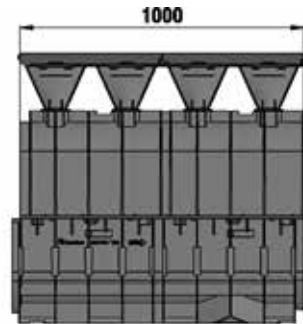
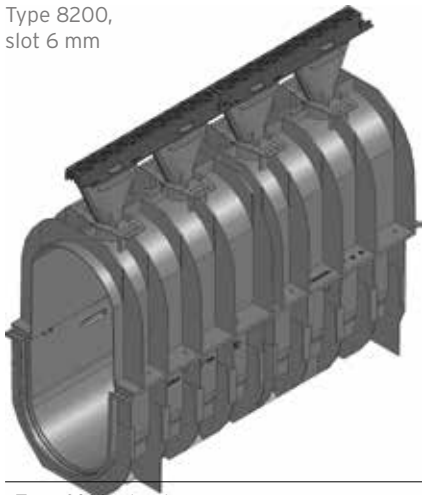
Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX®HICAP®F 8000

RECYFIX®HICAP®F 8000 up to load class D 400

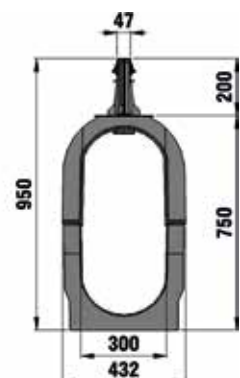
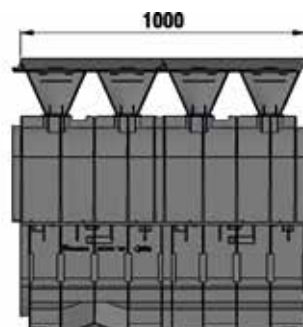
Type 8200,
slot 6 mm



Type 8200, slot 6 mm	1000	432	950	1714	129	200	24,00	13610
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RECYFIX®HICAP®F 8000 up to load class E 600

Type 8200,
mesh 13/28 mm

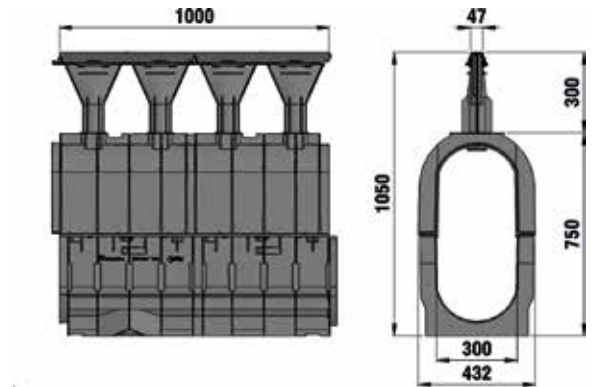
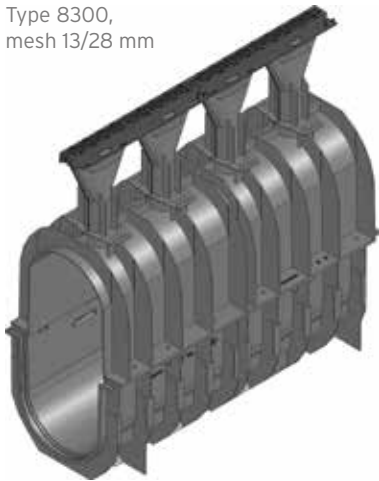


Type 8200, mesh 13/28 mm	1000	432	950	1714	172	200	23,90	13620
Type 8200, slot 28 mm	1000	432	950	1714	248	200	21,64	13630
Type 8200, slot 14 mm	1000	432	950	1714	124	200	23,45	13625

RECYFIX®HICAP®F 8000

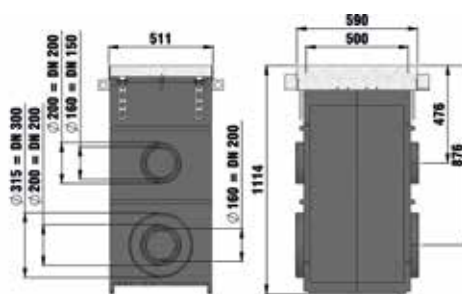
RECYFIX®HICAP®F 8000 up to load class F 900

Type 8300,
mesh 13/28 mm



Type 8300, mesh 13/28 mm	1000	432	1050	1714	172	300	24,10	13670
Type 8300, slot 28 mm	1000	432	1050	1714	248	300	22,24	13680
Type 8300, slot 14 mm	1000	432	1050	1714	124	300	23,77	13675

RECYFIX®HICAP®F Trash boxes



Trash box complete with ductile
iron grating SW 3x140/20 mm,
class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX®HICAP®F 8000

RECYFIX®HICAP®F 8000, Accessories



End cap closed, galvanised,
type 8000



End cap with PVC-U pipe
outlet DN/OD 200, galvanised,
type 8000

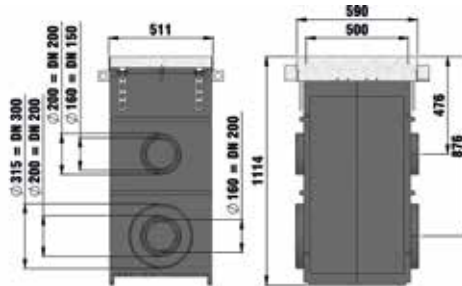


Step-fall connector from
RECYFIX HICAP 8000 to
RECYFIX HICAP 5000

End cap closed, galvanised, type 8000	-	420	720	3,00	13612
End cap with PVC-U pipe outlet DN/OD 200, galvanised, type 8000	-	420	720	5,60	13615
Step-fall connector from RECYFIX HICAP 8000 to RECYFIX HICAP 5000	-	-	-	2,00	13417
Step-fall ramp, stainless steel, from RECYFIX HICAP 8000 to RECYFIX HICAP 5000	258	291	254	1,95	13695

RECYFIX®HICAP®F 8000

RECYFIX®HICAP®F Trash boxes



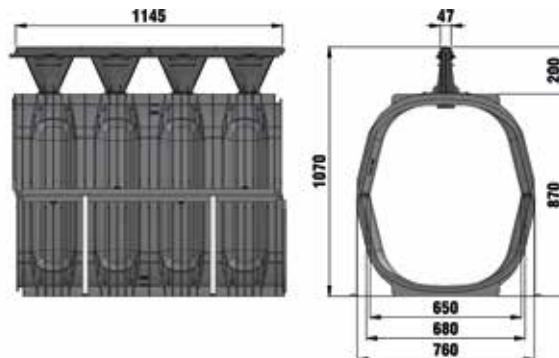
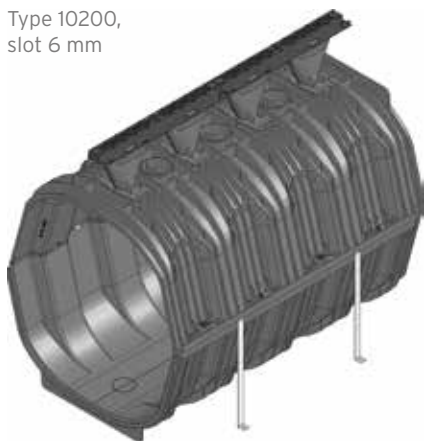
Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX®HICAP®F 10000

RECYFIX®HICAP®F 10000 up to load class D 400

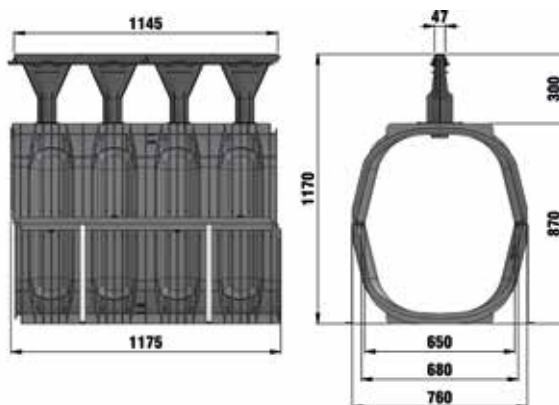
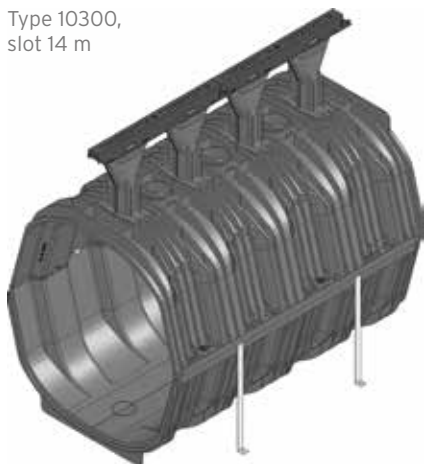
Type 10200,
slot 6 mm



Type 10200, slot 6 mm	1145	760	1070	4430	154	200	31,88	13810
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RECYFIX®HICAP®F 10000 up to load class F 900

Type 10300,
slot 14 mm



Type 10300, mesh 13/28 mm	1145	760	1170	4430	172	300	31,20	13870
Type 10300, slot 28 mm	1145	760	1170	4430	248	300	31,18	13880
Type 10300, slot 14 mm	1145	760	1170	4430	-	300	32,17	13885

RECYFIX®HICAP®F 10000

RECYFIX®HICAP®F 10000, Accessories



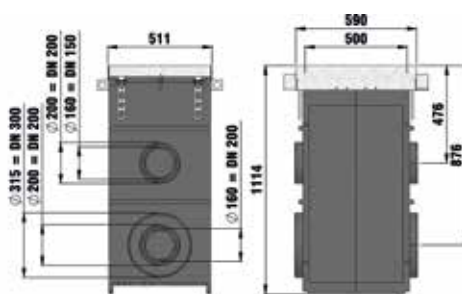
Step-fall connector from RECYFIX HICAP 10000 to RECYFIX HICAP 8000



Step-fall ramp, stainless steel, from RECYFIX HICAP 10000 to RECYFIX HICAP 8000

2 x end caps, black, incl. assembly set	-	-	-	4,42	96002
Step-fall connector from RECYFIX HICAP 10000 to RECYFIX HICAP 8000	-	-	-	5,00	13617
Step-fall ramp, stainless steel, from RECYFIX HICAP 10000 to RECYFIX HICAP 8000	280	686	255	4,32	13895

RECYFIX®HICAP®F Trash boxes



Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600

Trash box complete with ductile iron grating SW 3x140/20 mm, class E 600	511	590	1114	101,00	16500
Trash box complete with solid ductile iron cover, class E 600	511	590	1114	103,50	16505
Trash box connector incl. assembling, RECYFIX HICAP 1000	-	-	-	2,73	881
Trash box connector incl. assembling, RECYFIX HICAP 2000	-	-	-	4,10	882
Trash box connector incl. assembling, RECYFIX HICAP 3000	-	-	-	3,90	884
Trash box connector incl. assembling, RECYFIX HICAP 5000	-	-	-	3,80	886
Trash box connector incl. assembling, RECYFIX HICAP 10000	-	-	-	4,70	888

RECYFIX[®]NC

Highly stable and lightweight - linear drainage made of PP for Civils engineering.

**New nominal sizes
300 and 400 mm**



**Building material stockage,
SFS unimarket, Switzerland**



RECYFIX®NC

Highly stable and lightweight - linear drainage made of PP for Civils engineering.

1 Requirements

Modern drainage systems must

- permanently withstand to high loads and large forces.
- be easy to install.
- be resistant to environmental influences (frost, heat, humidity).
- comply with DIN EN 1433.

3 Solutions

RECYFIX NC channels:

- channels made of PP for civil engineering
- load capacity up to E 600 according to EN 1433
- maximum security through 8-fold bolt fixing
- very lightweight, quick and cost saving installation.

2 Application areas

- traffic areas for industry
- loading and unloading zones
- car parks
- pedestrian areas
- public areas
- petrol stations





Loading and unloading zones



Access ways



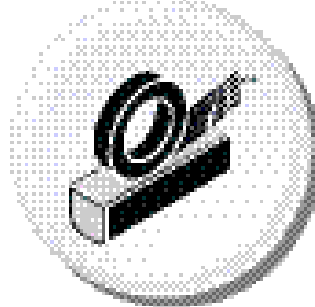
Logistic areas



Car parks

RECYFIX®HICAP® F
RECYFIX®INC
RECYFIX®MONOTEC

Your benefits with **RECYFIX®**NC channels



High stability

- stable, durable ductile iron grating
- RECYFIX®NC 100, 200, 300: load class E 600
- RECYFIX®NC 400: load class D 400
- 8-fold bolted

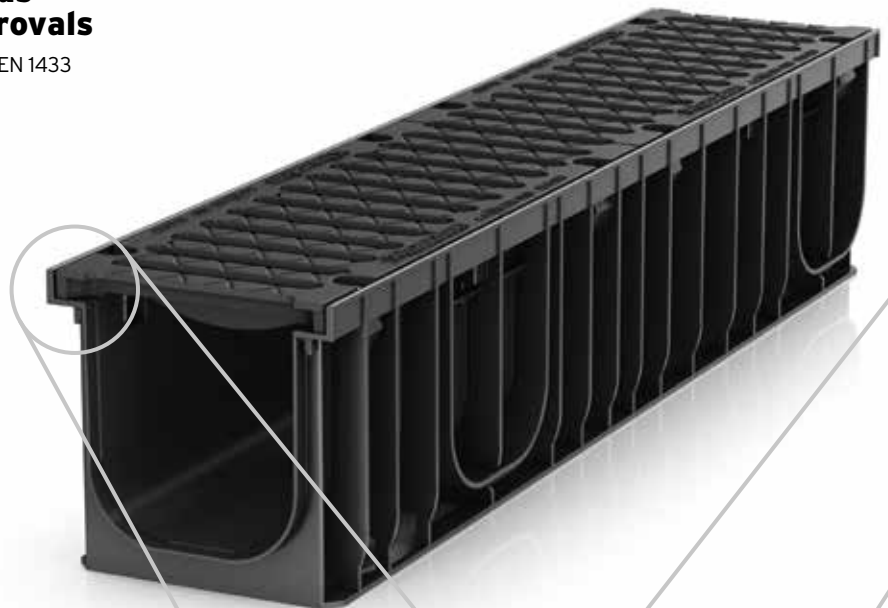
= **Security & Durability**



Standards and approvals

- certified to EN 1433
- CE-marking

= **Security**



Low weight ensures easy handling on site

- much easier handling on site compared to channels made of polymer concrete
- very easy handling and installation
- maximum stability with minimum weight

= **Cost saving**

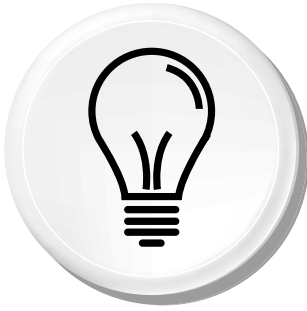


Integrated angle housing

- angle housing acc. EN 1433
- angle housing is molded as an integral part of the channel body (made of PP)
- ridges to stop any lateral movement

= **Security**

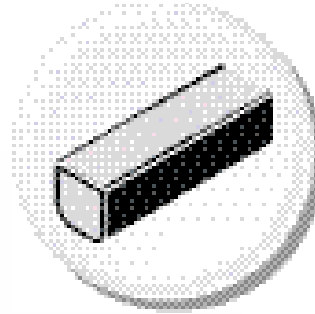




Continuous innovation

- 20 years of experience
- unique material: 100 % recycled material

= Security



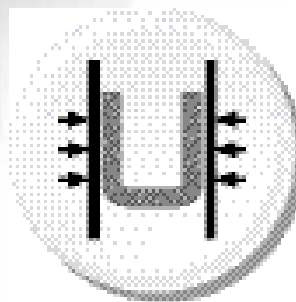
Prefabricated ready to install

- channel and grating = one part
- no single parts
- easy handling in stock and on site
- cost-effective transportation

= More earnings



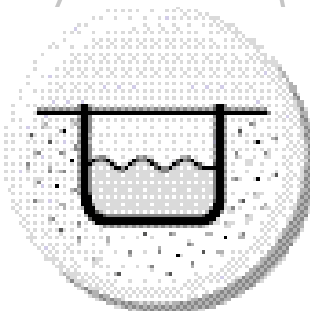
Exclusive :
The first channel made of PP with nominal width 400



High-grade material

- RECYFIX® - stable and nearly unbreakable
- flexible and particularly resistant material
- withstands high traffic loads and temperature differences in daily use

= Security & Durability



High hydraulic capacity

- drainage cross-section = 1640 cm²
- more area per channel metre can be drained

= Security

RECYFIX® NC

Highly stable and lightweight - linear drainage made of PP for Civils engineering.

RECYFIX NC channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



Category D 400,
Load class 400 kN



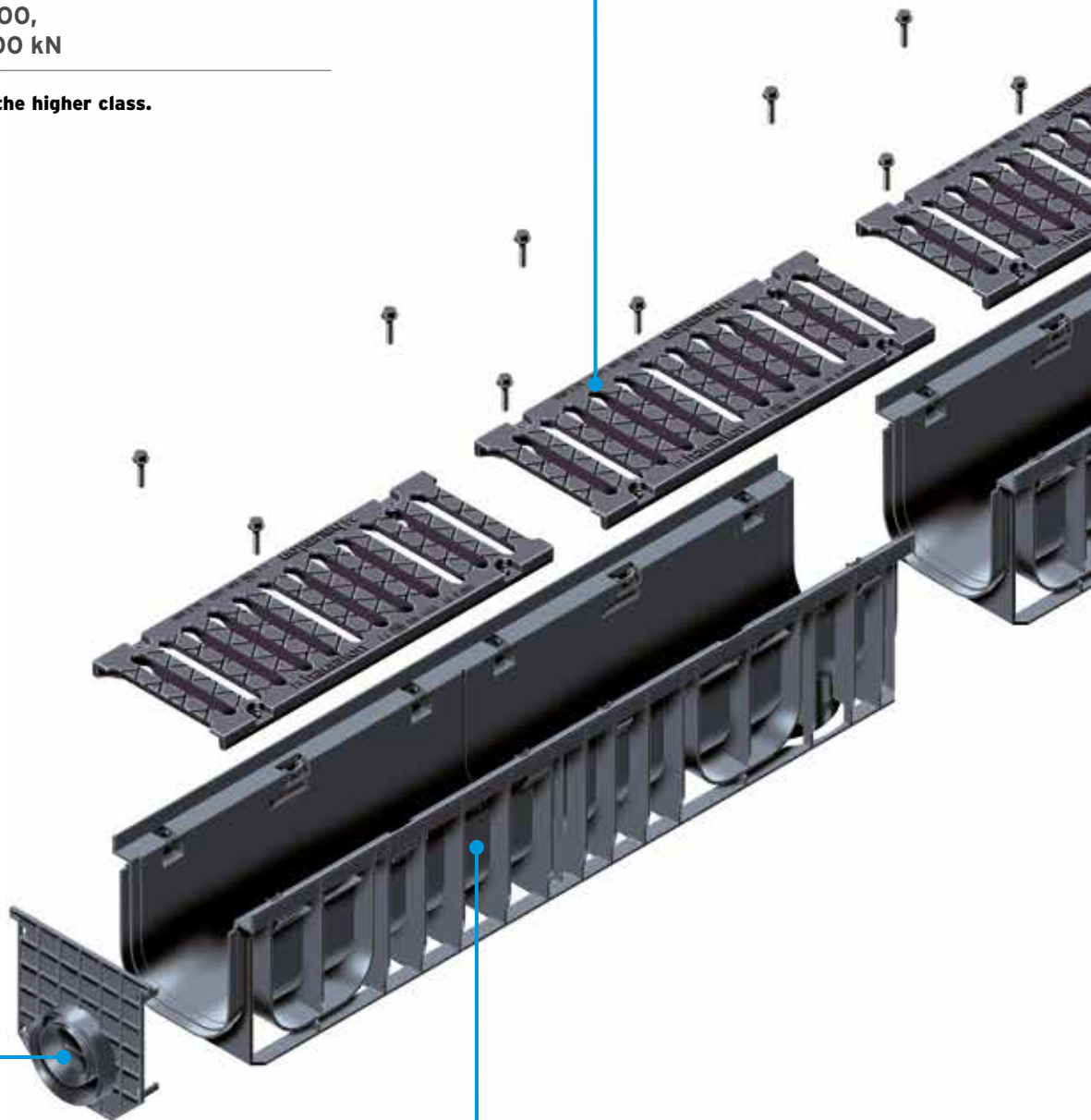
Category E 600,
Load class 600 kN

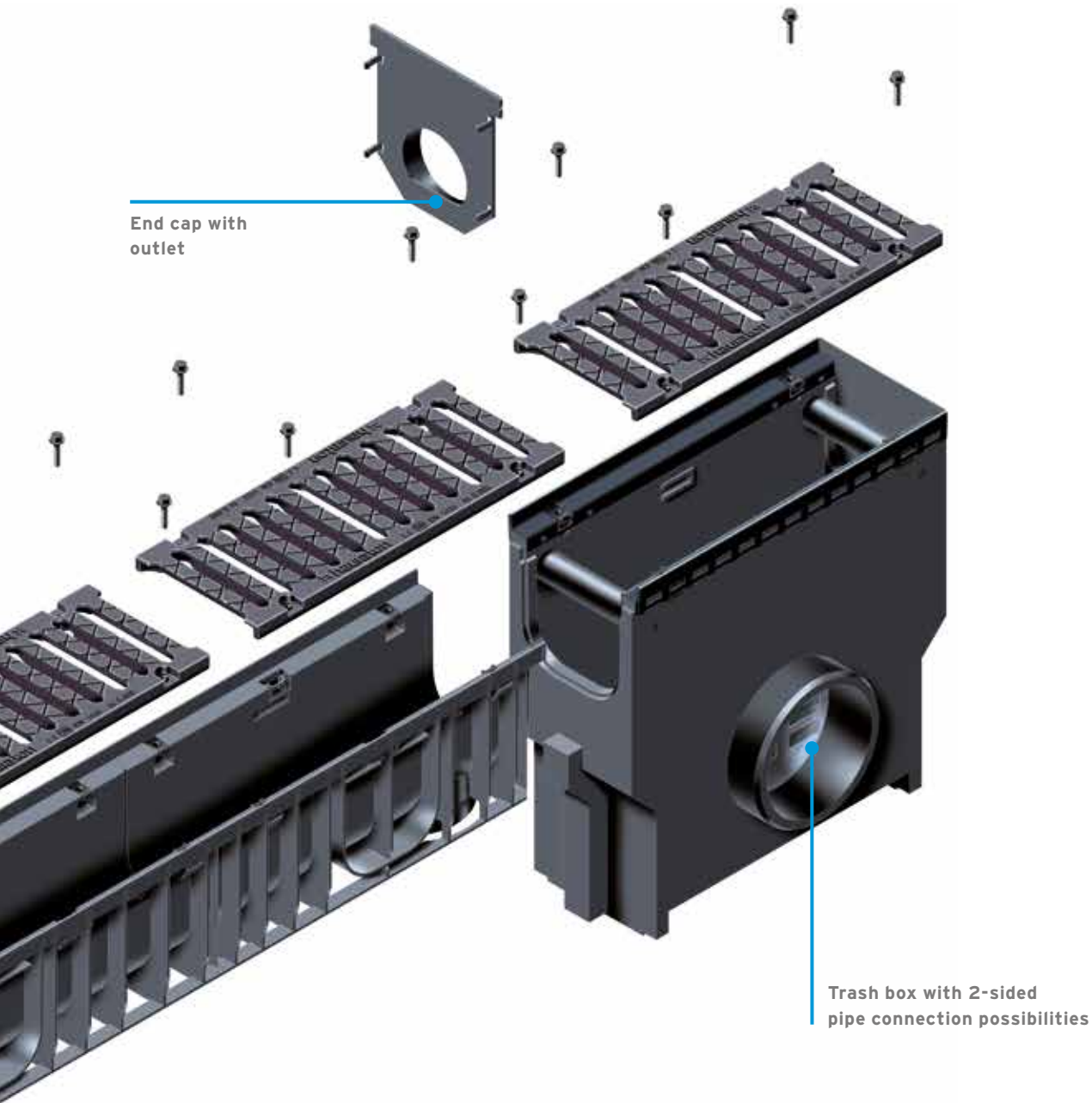
If in doubt, always select the higher class.

Stable ductile iron grating
made of durable spheroidal
ductile iron

End cap without
outlet

Channels made of PP with integrated
angle housing, according to DIN V 19580/
EN 1433, with groove and tongue
connection for exact installation





End cap with outlet

Trash box with 2-sided pipe connection possibilities

Widths and heights of **RECYFIX®NC**:



Type 75	160	75	55
Type 01	160	150	122
Type 010			
Type 020	160	250	222

-	-	-	-	-	-
212	210	180	-	-	-
-	-	-	-	-	-

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Width/Height/Inside height (in mm)

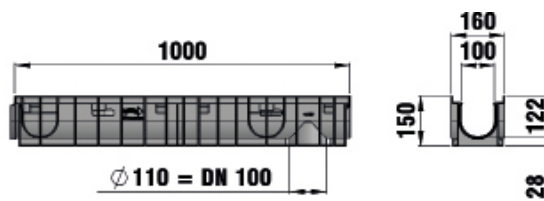
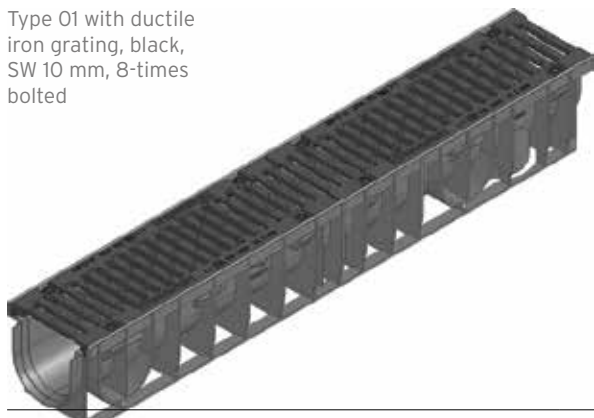


RECYFIX®NC 100

Combi article

RECYFIX®NC 100, class D 400

Type 01 with ductile iron grating, black, SW 10 mm, 8-times bolted

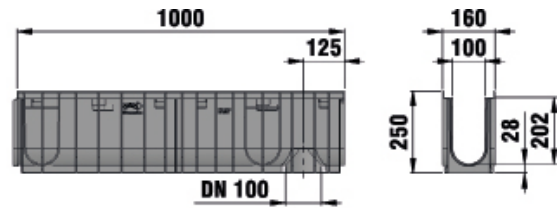
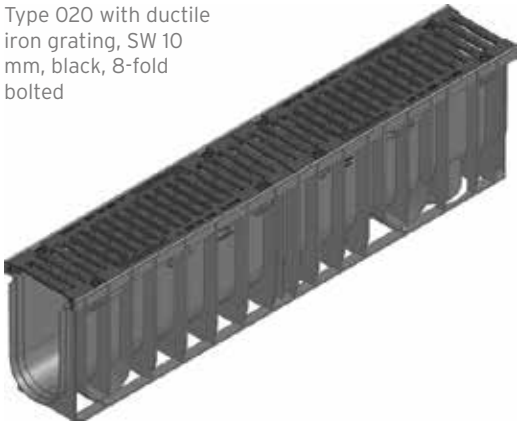


Type 01 with ductile iron grating, black, SW 10 mm, 8-times bolted	1000	160	150	92	427	10,70	48771
Type 0105 with ductile iron grating, black, SW 10 mm, 4-times bolted	500	160	150	92	427	5,43	48746
Type 010 with ductile iron grating, black, SW 10 mm, 8-times bolted	1000	160	200	142	427	11,60	48773
Type 01005 with ductile iron grating, black, SW 10 mm, 4-times bolted	500	160	200	142	427	5,80	48745
Type 020 with ductile iron grating, SW 10 mm, black, 8-fold bolted	1000	160	250	192	427	12,36	48777
Type 02005 with ductile iron grating, SW 10 mm, black, 8-fold bolted	500	160	250	192	427	6,20	48779
Type 75 with ductile iron grating, SW 10 mm, black, 8-fold bolted	1000	160	75	35	427	10,26	48775

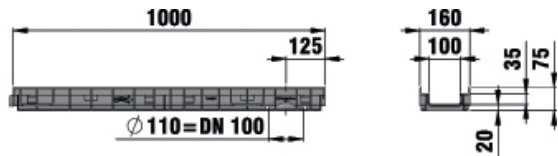
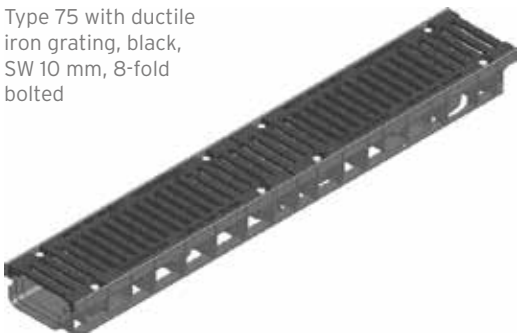
RECYFIX® NC 100

RECYFIX® NC 100, class E 600

Type 020 with ductile iron grating, SW 10 mm, black, 8-fold bolted



Type 75 with ductile iron grating, black, SW 10 mm, 8-fold bolted

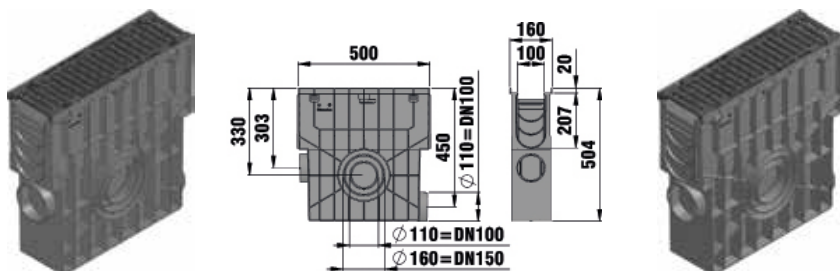


Type 01 with ductile iron grating, black, SW 10 mm, 8-fold bolted	1000	160	150	92	427	10,70	48770
Type 0105 with ductile iron grating, black, SW 10 mm, 4-fold bolted	500	160	150	92	427	5,43	48748
Type 010 with ductile iron grating, black, SW 10 mm, 8-fold bolted	1000	160	200	142	427	11,60	48772
Type 01005 with ductile iron grating, black, SW 10 mm, 4-fold bolted	500	160	200	142	427	5,80	48747
Type 020 with ductile iron grating, SW 10 mm, black, 8-fold bolted	1000	160	250	192	427	12,50	48776
Type 02005 with ductile iron grating, SW 10 mm, black, 4-fold bolted	500	160	250	192	427	6,20	48778
Type 75 with ductile iron grating, black, SW 10 mm, 8-fold bolted	1000	160	75	35	427	10,23	48774

RECYFIX® NC 100

Accessories

Trash boxes



Trash box with PP mud bucket and ductile iron grating, SW 10 mm, black, class D 400, 4-fold bolted

Trash box with plastic bucket, with ductile iron grating, black, SW 10 mm, class E 600, 4-fold bolted

Trash box with PP mud bucket and ductile iron grating, SW 10 mm, black, class D 400, 4-fold bolted	500	160	504	8,34	48754
Trash box with plastic bucket, with ductile iron grating, black, SW 10 mm, class E 600, 4-fold bolted	500	160	504	8,34	48753

End caps



End cap closed for type 01

End cap made of PP with outlet DN/OD 110 for type 01

End cap closed for type 01	-	160	124	0,04	48681
End cap made of PP with outlet DN/OD 110, type 01	-	160	200	0,08	48691
End cap closed for type 010	-	160	176	0,05	47082
End cap made of PP with outlet DN/OD 110, type 010	-	160	201	0,11	47093
End cap made of PP, type 020	-	160	250	0,12	48683
End cap made of PP with outlet DN/OD 110, type 020	-	160	250	0,12	48695
End cap Type 75	-	160	61	0,03	47097

RECYFIX® NC 100

Further accessories



Step Fall Adapter for step slope, from type 01 to type 010, from type 010 to type 020



RECYFIX sealing material, 290 ml



RECYFIX primer, 250 ml

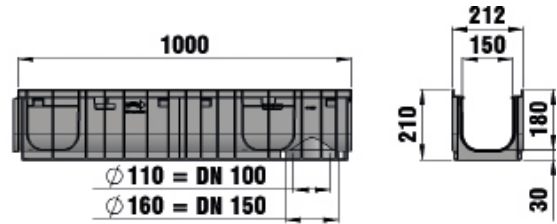
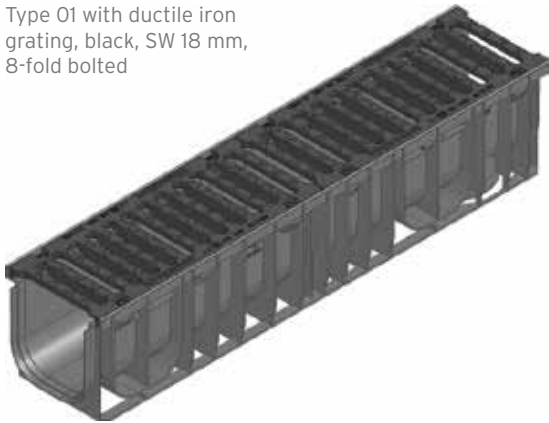
Step Fall Adapter for step slope, from type 01 to type 010, from type 010 to type 020	174	98	92	0,21	48790
RECYFIX sealing material, 290 ml	-	-	-	0,47	19053
RECYFIX primer, 250 ml	-	-	-	0,50	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,60	980

RECYFIX®NC 150

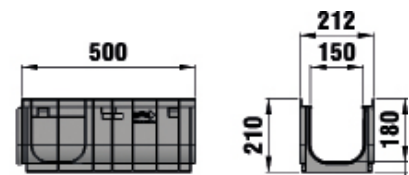
Combi article

RECYFIX®NC 150, class D 400

Type 01 with ductile iron grating, black, SW 18 mm, 8-fold bolted



Type 0105 with ductile iron grating, black, SW 18 mm, 4-fold bolted

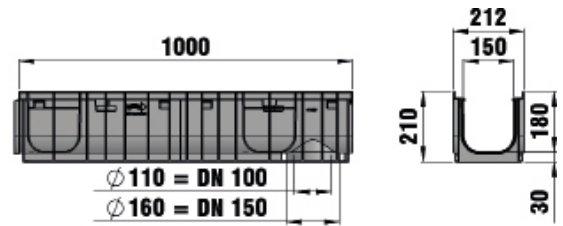
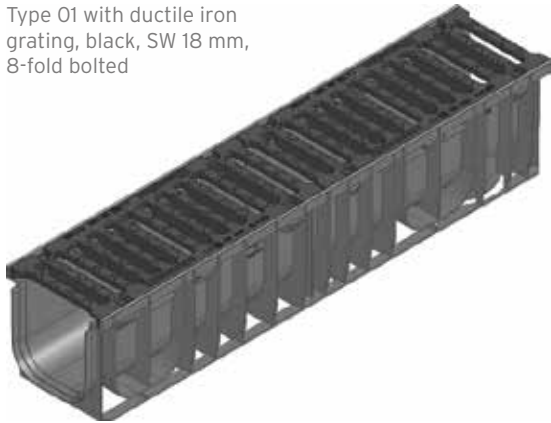


Type 01 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	212	210	230	702	15,73	48871
Type 0105 with ductile iron grating, black, SW 18 mm, 4-fold bolted	500	212	210	230	702	7,88	48847

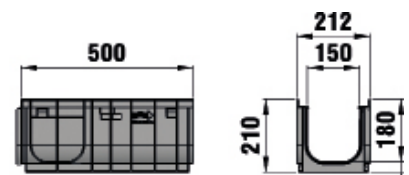
RECYFIX® NC 150

RECYFIX® NC 150, class E 600

Type 01 with ductile iron grating, black, SW 18 mm, 8-fold bolted



Type 0105 with ductile iron grating, black, SW 18 mm, 4-fold bolted

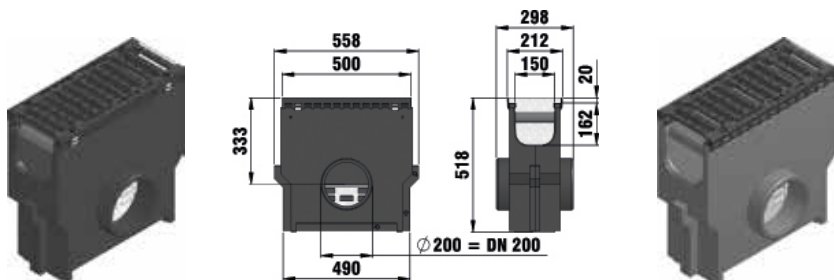


Type 01 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	212	210	230	702	15,74	48870
Type 0105 with ductile iron grating, black, SW 18 mm, 4-fold bolted	500	212	210	230	702	7,88	48848

RECYFIX® NC 150

Accessories

Trash boxes



Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class D 400, 4-fold bolted

Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class E 600, 4-fold bolted

Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class D 400, 4-fold bolted	500	212	518	22,90	48854
Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class E 600, 4-fold bolted	500	212	518	22,90	48853

End caps



End cap combined, PP with outlet DN/OD 75/110 for type 01

End cap combined, PP with outlet DN/OD 75/110 for type 01	-	210	218	0,14	40591
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RECYFIX® NC 150

Further accessories



RECYFIX sealing material,
290 ml



RECYFIX primer,
250 ml

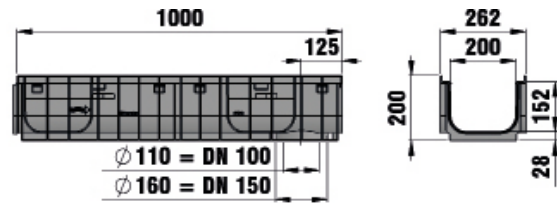
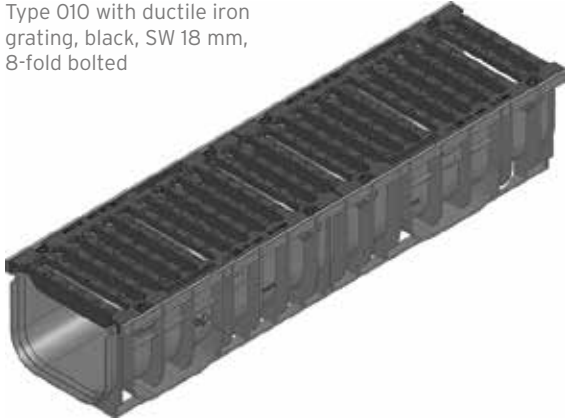
RECYFIX sealing material, 290 ml	-	-	-	0,47	19053
RECYFIX primer, 250 ml	-	-	-	0,50	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,60	980

RECYFIX®NC 200

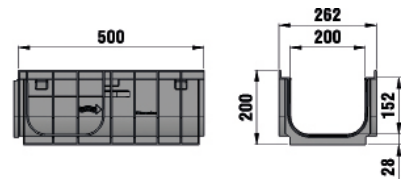
Combi article

RECYFIX®NC 200, class D 400

Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted



Type 01005 with ductile iron grating, black, SW 18 mm, 4-fold bolted

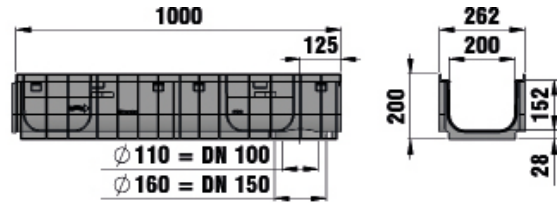
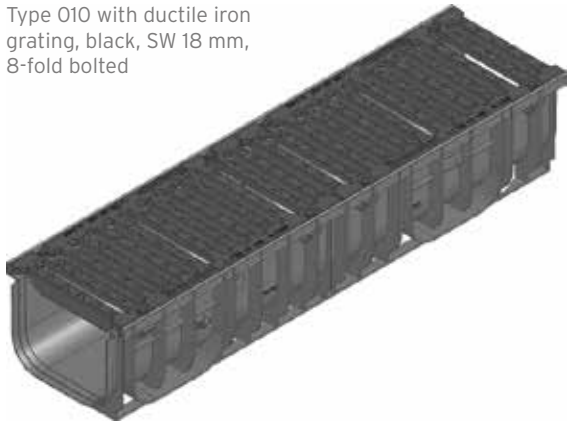


Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	262	200	294	936	20,76	49573
Type 01005 with ductile iron grating, black, SW 18 mm, 4-fold bolted	500	262	200	294	936	10,38	49548

RECYFIX®NC 200

RECYFIX®NC 200, class E 600

Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted



Type 01005 with ductile iron grating, black, SW 18 mm, 4-fold bolted

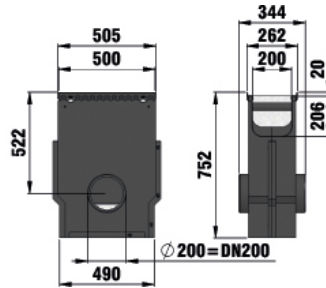


Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	262	200	294	936	20,76	49572
Type 01005 with ductile iron grating, black, SW 18 mm, 4-fold bolted	500	262	200	294	936	10,38	49547

RECYFIX® NC 200

Accessories

Trash boxes



Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class E 600, 4-fold bolted

Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class D 400, 4-fold bolted	500	262	752	35,20	49554
Trash box with galvanised bucket, with ductile iron grating, black, SW 18 mm, class E 600, 4-fold bolted	500	262	752	35,20	49553

End caps



End cap combined made of PP closed/with outlet DN/OD 110, Type 010

End cap combined made of PP closed/with outlet DN/OD 110, Type 010	-	258	217	0,20	41387
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RECYFIX® NC 200

Further accessories



RECYFIX sealing material,
290 ml



RECYFIX primer,
250 ml

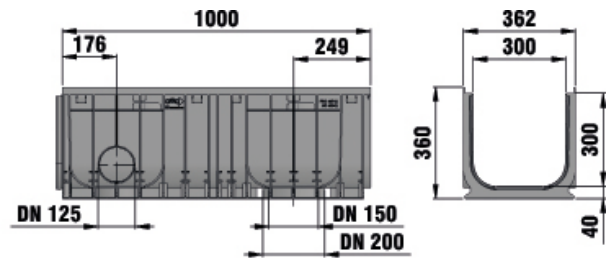
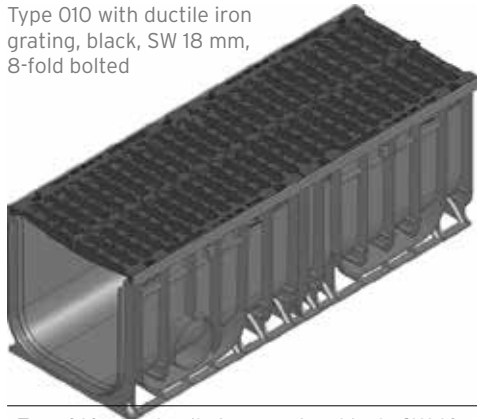
RECYFIX sealing material, 290 ml	-	-	-	0,47	19053
RECYFIX primer, 250 ml	-	-	-	0,50	19054
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,60	980

RECYFIX®NC 300

Combi article

RECYFIX®NC 300, class D 400

Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted

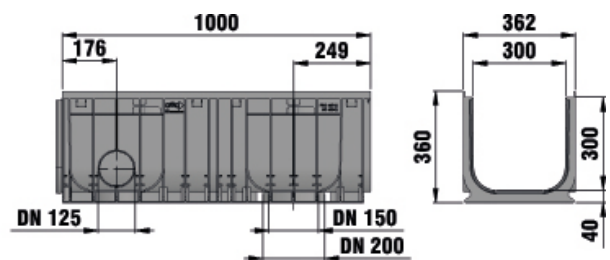
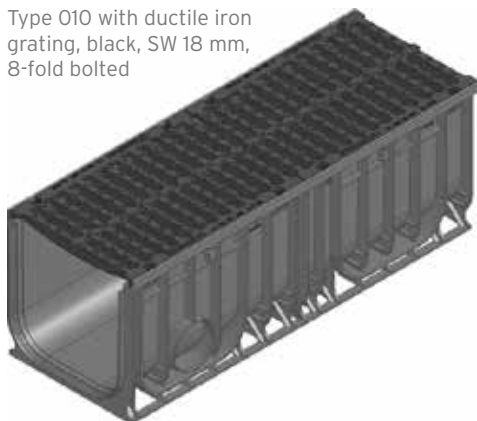


Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted

1000 362 360 873 1293 34,65 49873

RECYFIX®NC 300, class E 600

Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted



Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted

1000 362 360 873 1293 35,00 49872

RECYFIX®NC 300

Accessories

End caps



End cap closed, galvanised, type 010



End cap with horizontal PVC-U pipe outlet DN/OD 200, galvanised, Type 010

End cap closed, galvanised, type 010	-	360	360	1,87	49783
End cap with horizontal PVC-U pipe outlet DN/OD 200, galvanised, Type 010	-	360	360	2,55	49791

Further accessories



RECYFIX sealing material, 290 ml



RECYFIX primer, 250 ml

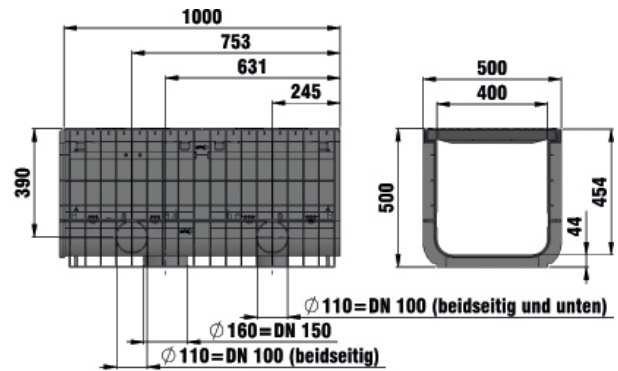
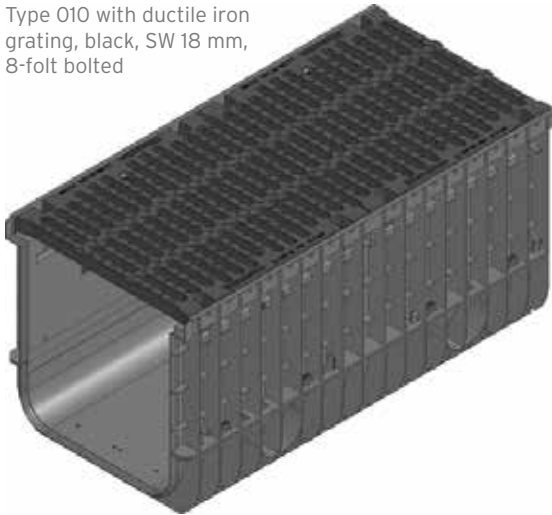
RECYFIX sealing material, 290 ml	-	-	-	0,47	19053
RECYFIX primer, 250 ml	-	-	-	0,50	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,60	980

RECYFIX®NC 400

Combi article

RECYFIX®NC 400, class D 400

Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted



Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted

1000

500

500

1640

1753

57,15

42421

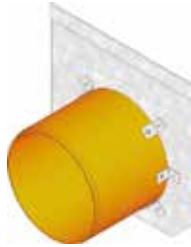
RECYFIX®NC 400

Accessories

End caps



End cap closed, galvanised, type 010



End cap with horizontal PVC-U pipe outlet DN/OD 315, galvanised, type 010

End cap closed, galvanised, type 010	-	500	498	3,13	42481
End cap closed, stainless steel, type 010	-	500	498	3,20	42482
End cap with horizontal PVC-U pipe outlet DN/OD 315, galvanised, type 010	-	500	498	4,87	42487
End cap with horizontal PVC-U pipe outlet DN/OD 315, stainless steel, type 010	-	500	498	4,87	42488

The quality of stainless steel material corresponds to CNS 1.4301.

Further accessories



RECYFIX sealing material, 290 ml



RECYFIX primer, 250 ml

RECYFIX sealing material, 290 ml	-	-	-	0,47	19053
RECYFIX primer, 250 ml	-	-	-	0,50	19054
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,60	980

RECYFIX® MONOTEC

Drainage system for traffic, parking and commercial areas.





RECYFIX[®] MONOTEC **NEW**

Drainage system for traffic, parking and commercial areas.

1 Requirements

Monolithic drainage channels* in traffic areas must:

- be permanently corrosion-resistant
- be secure against vandalism
- be maintenance-free and drain reliably
- satisfy aesthetic demands

2 Application areas

- Parking areas
- Market squares, public areas
- School playgrounds
- Residential areas
- Gas stations
- Commercial areas

3 Solution

Therefore, RECYFIX MONOTEC channels are especially suitable for draining such surfaces:

- Lightweight and easy processing for cost-effective installation
- Channel made of specially resistant modified polypropylene
- Leak-proof and chemical-resistant
- Sturdy and unbreakable
- Very quick to install

*Get more information about the Hightech-Manufacturing process on page 67





Installation in asphalt surface



Installation in concrete surface



Installation in paving surfaces



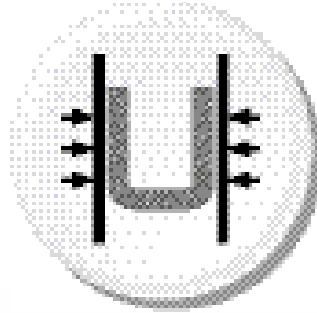
Particularly resistant to dynamic forces



Ideal for heavily-trafficked areas

Your benefits with **RECYFIX®** MONOTEC

100% corrosion free



unbreakable

- elastic and especially resistant material (PP)
- resistant in daily use to traffic volume and temperature differences

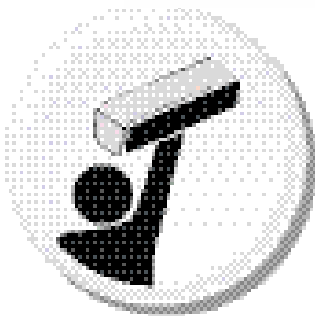
= safety



high hydraulic capacity

- optimised inlet surface with FIBRETEC design
- high volume through slim channel construction

= safety



low weight ensures easy handling on site

- significantly lighter than channels made of mineral material
- especially easy transport and fast installation

= Cost savings



Fast installation



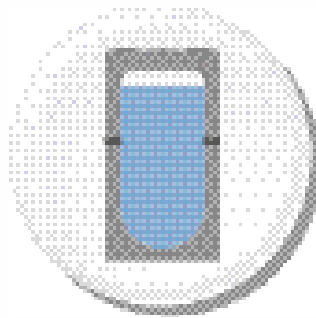
Easy transport



Simple processing



**Highest quality due to Hightech-Manufacturing process.
Watch the load test movie of the monolithic channels on:
www.hauraton.com - Videos**



monolithic drainage channel for highest stability

- manufactured with two parts, which are put together to a monolithic channel in a mirror welding process.*
- vandalism proof
- withstands frequently traffic permanently

= Security

* In the mirror welding process the joining surfaces are heated with heating elements (= mirror) and finally pressed together. All this is done without any additional connecting material. The connections are afterwards extremely reliable.



high resistance

- high resistance to frost, de-icing salt and UV light
- withstands high temperature differences
- chemical-resistant

= Durability



low maintenance

- easy cleaning by rinsing through the inspection box
- durable high-quality appearance

= Cost savings

RECYFIX® MONOTEC **NEW**

Drainage system for traffic, parking and commercial areas.

The RECYFIX MONOTEC channel is made of highly resistant and unbreakable polypropylene. Therefore, a particularly slender design is possible which has a positive effect with regard to drainage capacity. The smallest model, with a nominal width of 100 mm and a height of 230 mm, already achieves a drainage cross-section of 190.5 cm². Comparable channels, made from other materials, must have much thicker sidewalls which significantly reduces the drainage cross-section.





The RECYFIX MONOTEC Channel range consists of 3 heights with a nominal width of 100 mm and one model with a nominal width of 200 mm. Long-term practical tests and computer-aided simulations lead to the same result: The RECYFIX MONOTEC accumulates heavy rainfall, provides a sufficient backwater reserve and drains large surfaces safely and reliably.



Enormous Volume

- channel reliably takes in heavy rain
- more area per channel meter can be drained

RECYFIX® MONOTEC

Nominal size	Height	Drainage cross-section		Volume/Channel
100 mm	230 mm	190.5 cm ²		19.1 l
100 mm	280 mm	245.5 cm ²		24.6 l
100 mm	380 mm	355.5 cm ²		35.6 l
200 mm	450 mm	746.1 cm ²		74.6 l

Maximum hydraulic capacity

The fiber-reinforced polypropylene material enables a slim channel design. As a result, a maximum hydraulic capacity is achieved.



NW 100, Type 230



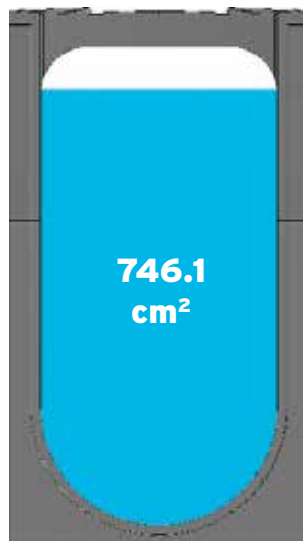
NW 100, Type 280



NW 100, Type 380



NW 200, Type 450



NW 200, Type 450



Lower drainage capacity, up to 45%, with monolithic channels made from other materials

FIBRETEC® slotted grating: Proven to make progress

In 2010, HAURATON invented the FIBRETEC slotted grating. This grating is specially designed for maximum hydraulic performance. Optimized inlet radii ensure that the largest amount of water is led into the channel within the shortest time. More than one million channels sold expresses its great popularity. Deliberately, the design has now been transferred to the RECYFIX MONOTEC. Along with the enormous volume of the channel, a product with the highest hydraulic demands has emerged - the perfect combination of water intake, retention and drainage.



Testing at HAURATON Hydraulic Center in Budapest

RECYFIX® MONOTEC

Drainage system for traffic, parking and commercial areas.

RECYFIX MONOTEC channels meet the requirements of DIN EN 1433 and are suitable for the following load classes:



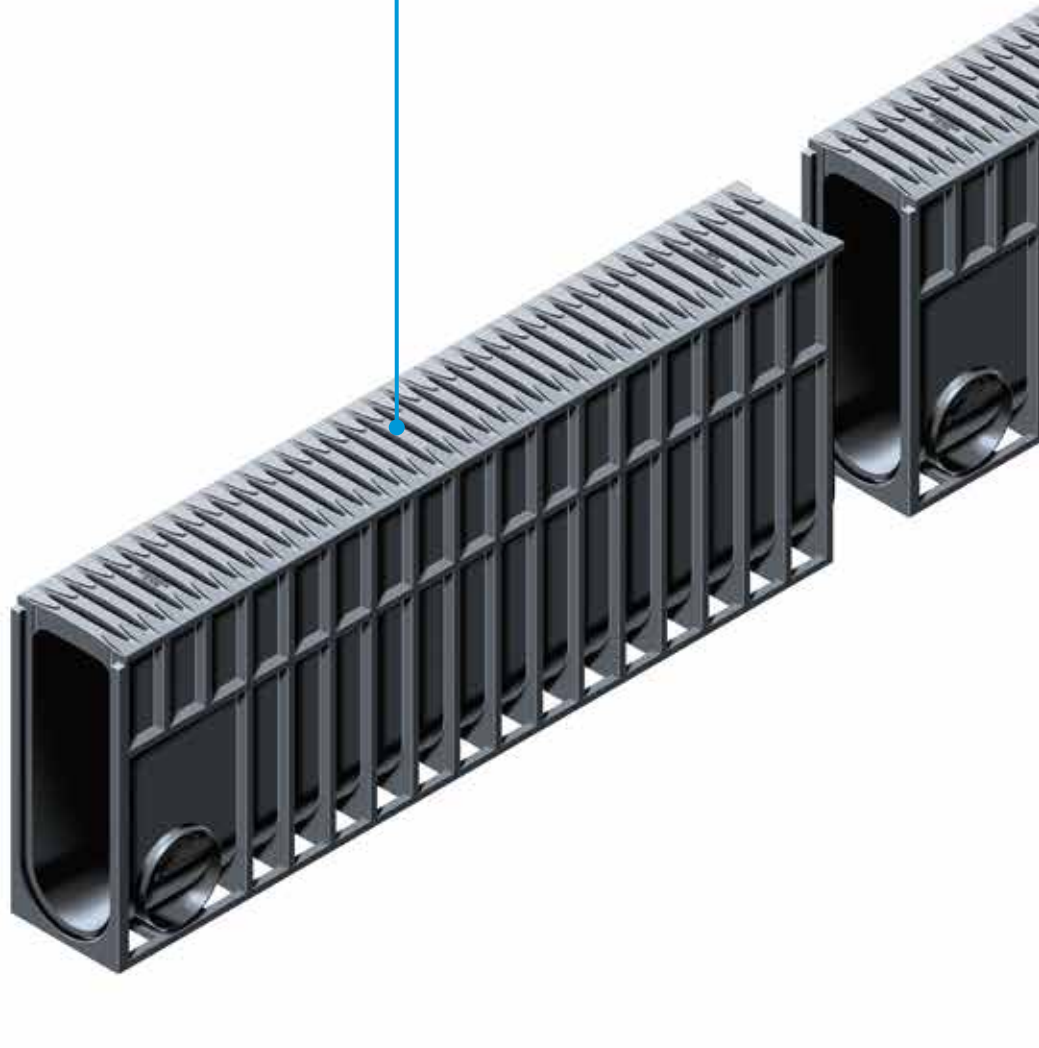
**Category C 250,
Load Class 250 kN**



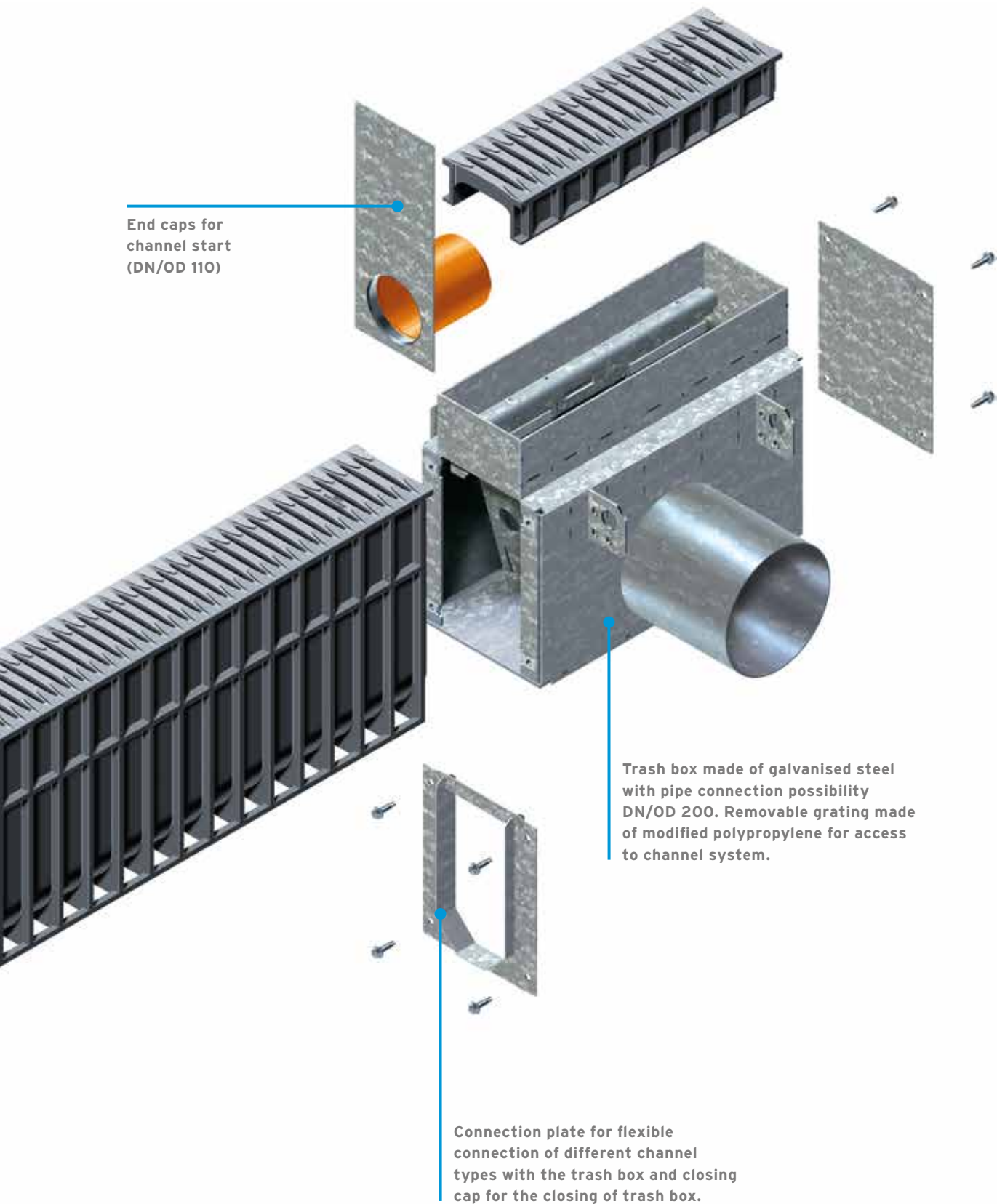
**Category D 400,
Load Class 400 kN**

If in doubt, always select the higher class.

RECYFIX MONOTEC channels
made of modified polypropylene,
according to DIN EN 1433,
CE-conform.



End caps for
channel start
(DN/OD 110)



End caps for channel start (DN/OD 110)

Trash box made of galvanised steel with pipe connection possibility DN/OD 200. Removable grating made of modified polypropylene for access to channel system.

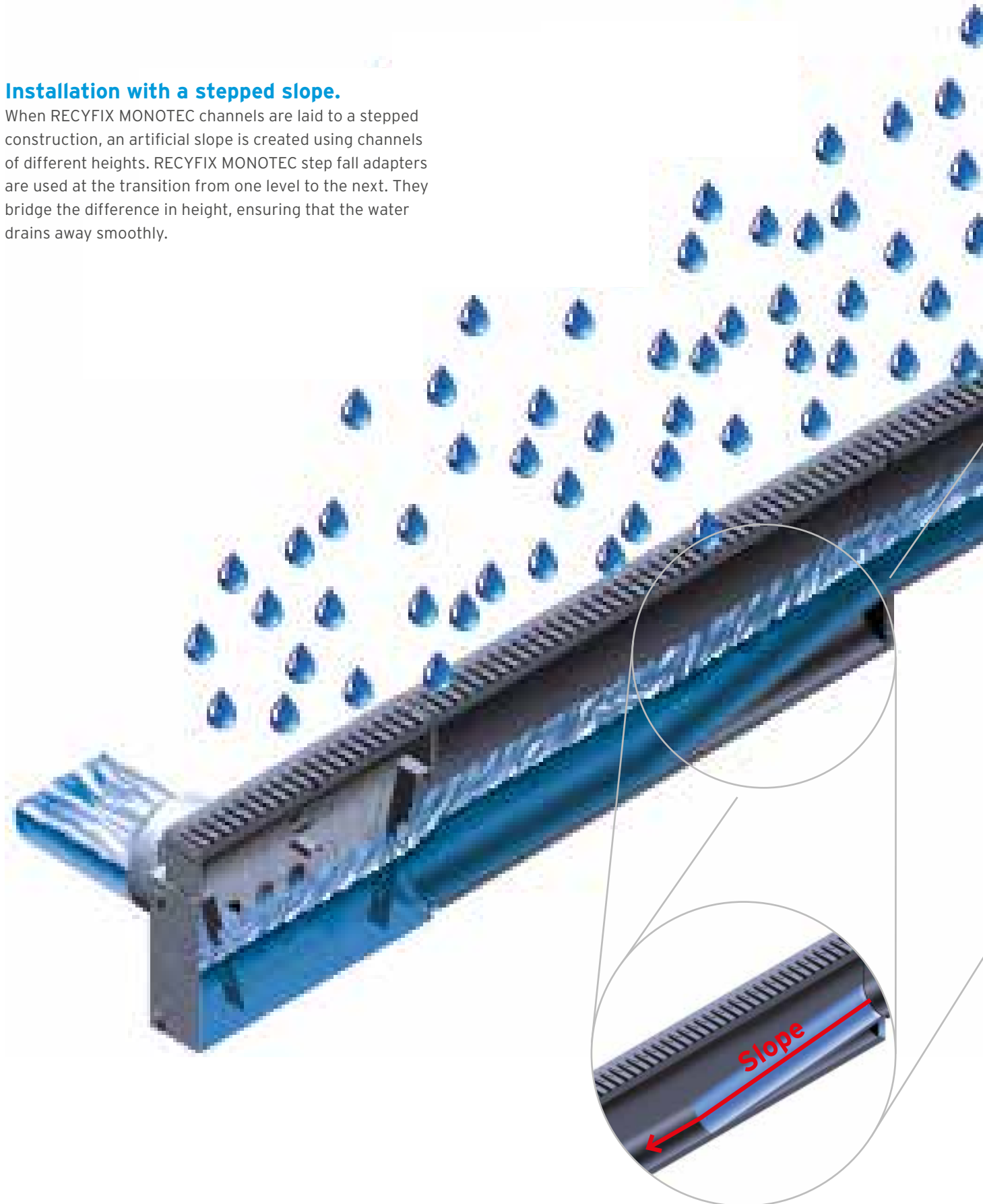
Connection plate for flexible connection of different channel types with the trash box and closing cap for the closing of trash box.

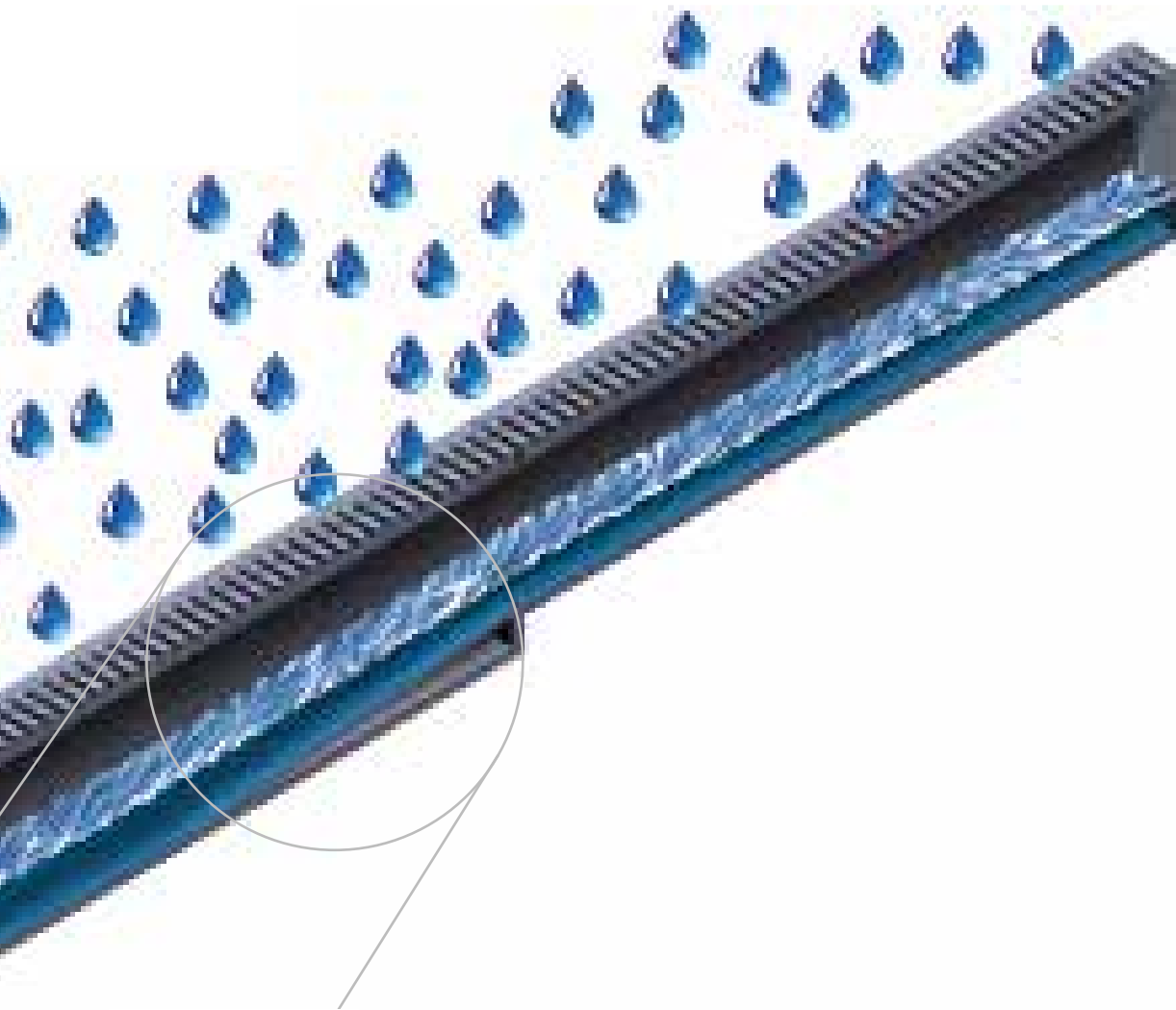
RECYFIX® MONOTEC Step Fall

Reliable hydraulic performance for channel runs with a stepped slope.

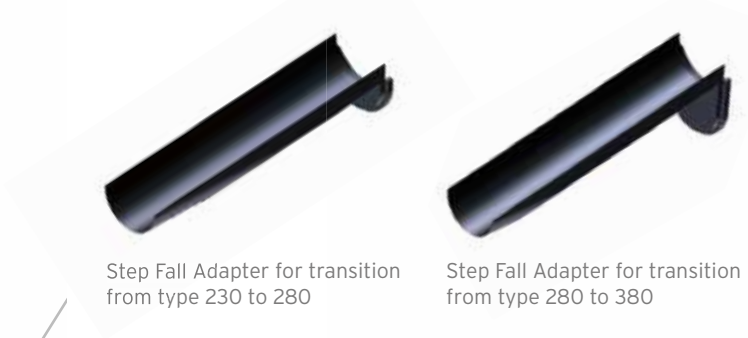
Installation with a stepped slope.

When RECYFIX MONOTEC channels are laid to a stepped construction, an artificial slope is created using channels of different heights. RECYFIX MONOTEC step fall adapters are used at the transition from one level to the next. They bridge the difference in height, ensuring that the water drains away smoothly.

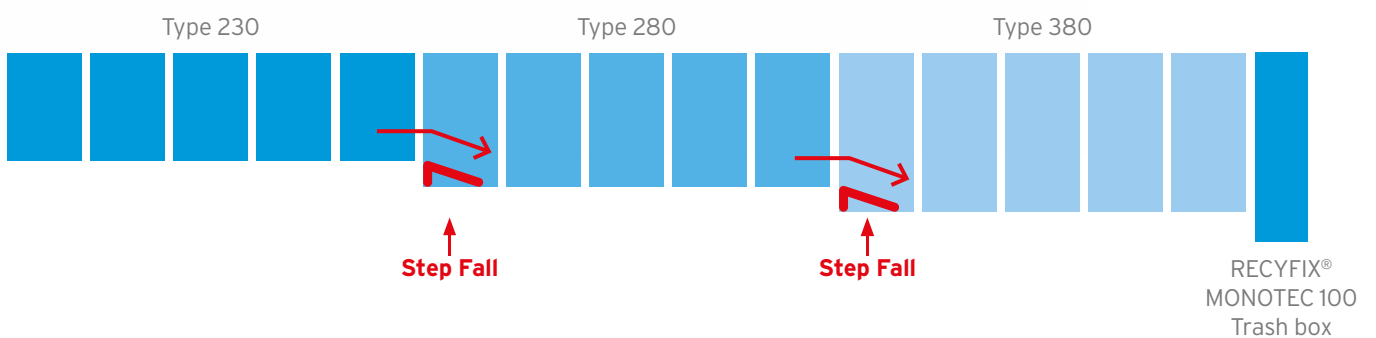




RECYFIX® MONOTEC Step Fall Adapter, black, for channel runs with step fall



RECYFIX® MONOTEC Channels 100:

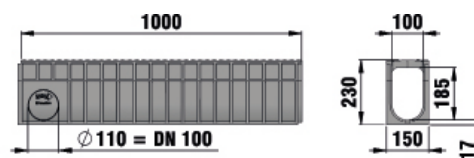
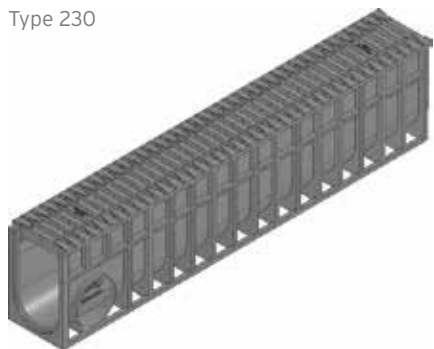


RECYFIX® MONOTEC 100

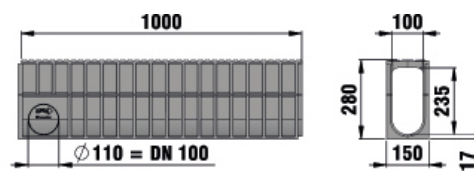
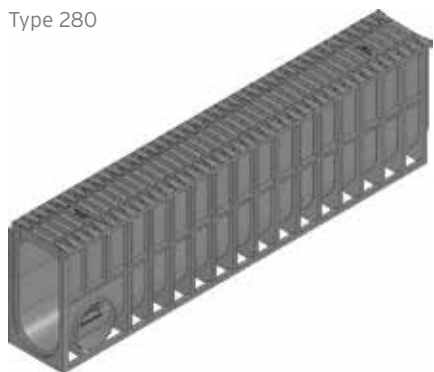
Channel

RECYFIX® MONOTEC 100, up to class D 400

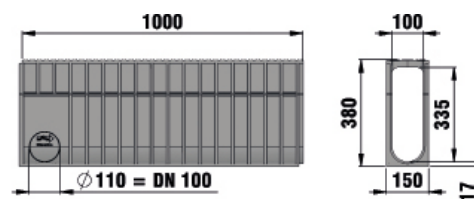
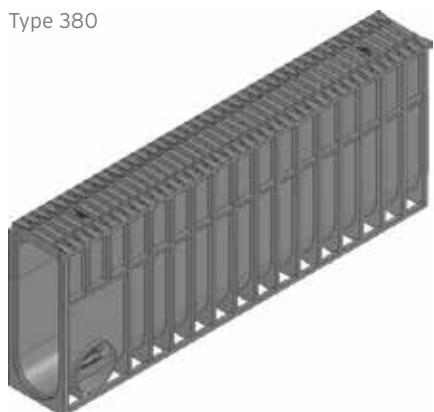
Type 230



Type 280



Type 380



Type 230	1000	150	230	190.5	372	7,59	36000
Type 280	1000	150	280	245.5	372	8,43	36005
Type 380	1000	150	380	355.5	372	10,42	36015

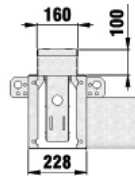
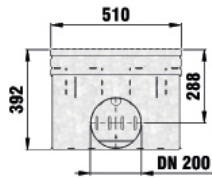
RECYFIX® MONOTEC 100

Accessories

Trash boxes



Trash box with galvanised bucket



Connection plate with screw set, galvanised, channel type 230



Closing cap with screw set, galvanised, for trash box/inspection box

Trash box with galvanised bucket	510	160	392	29,50	36045
Looking handle with screw for protection against vandalism	-	117	14	0,07	36098
Connection plate with screw set, galvanised, channel type 230	-	216	283	1,06	36032
Connection plate with screw set, galvanised, channel type 280	-	216	283	1,02	36037
Connection plate with screw set, galvanised, channel type 380	-	216	283	0,92	36047
Closing cap with screw set, galvanised, for trash box/inspection box	-	216	283	0,95	36023

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

- Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

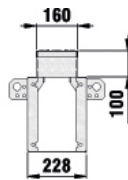
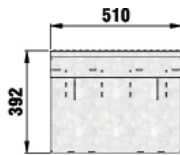
RECYFIX® MONOTEC 100

Accessories

Inspection box



Inspection box



Connection plate with screw set, galvanised, channel type 230



Closing cap with screw set, galvanised, for trash box/inspection box

Inspection box	510	160	392	15,55	36035
Looking handle with screw for protection against vandalism	-	117	14	0,07	36098
Connection plate with screw set, galvanised, channel type 230	-	216	283	1,06	36032
Connection plate with screw set, galvanised, channel type 280	-	216	283	1,02	36037
Connection plate with screw set, galvanised, channel type 380	-	216	283	0,92	36047
Closing cap with screw set, galvanised, for trash box/inspection box	-	216	283	0,95	36023

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

- Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

RECYFIX® MONOTEC 100

End caps



End cap closed, galvanised, type 230



End cap closed, galvanised, type 280



End cap closed, galvanised, type 380



End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 280



End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 380

End cap closed, galvanised, type 230	-	150	224	0,53	36080
End cap closed, galvanised, type 280	-	150	274	0,65	36082
End cap closed, galvanised, type 380	-	150	374	0,88	36086
End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 230	-	150	224	0,66	36090
End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 280	-	150	274	0,78	36092
End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 380	-	150	374	1,01	36096

Further accessories



Step Fall Adapter for step slope, from type 230 to 280



Step Fall Adapter for step slope, from type 280 to 380

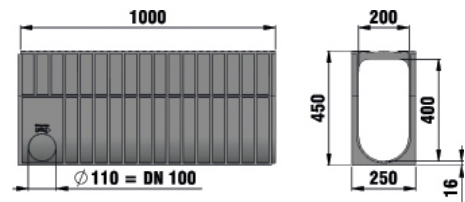
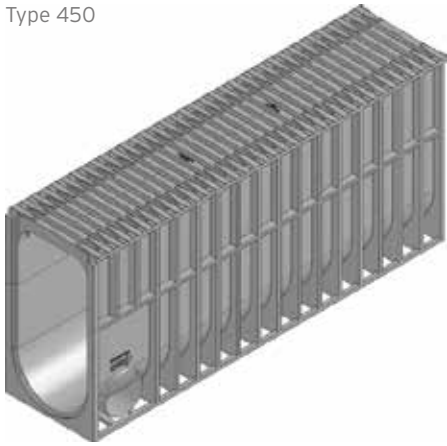
Step Fall Adapter for step slope, from type 230 to 280	510	125	113	0,48	36070
Step Fall Adapter for step slope, from type 280 to 380	510	125	163	0,59	36071

RECYFIX[®]MONOTEC 200

Channel

RECYFIX[®]MONOTEC 200, up to class D 400

Type 450

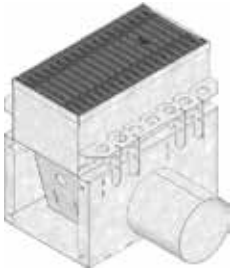


Type 450	1000	250	450	746.1	656	16,25	36215
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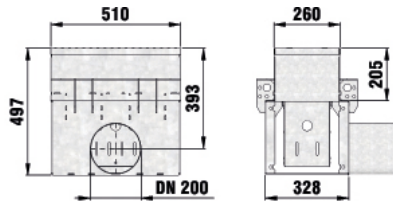
RECYFIX® MONOTEC 200

Accessories

Trash boxes



Trash box with galvanised bucket



Connection plate with screw set, galvanised, channel type 450

Trash box with galvanised bucket	510	260	497	42,70	36245
Looking handle with screw for protection against vandalism	-	206	120	0,24	36298
Connection plate with screw set, galvanised, channel type 450	-	316	283	1,18	36247
Connection plate with screw set, galvanised, for RECYFIX MONOTEC 100 type 380	-	316	283	1,55	36147
Closing cap with screw set, galvanised, for trash box/inspection box	-	316	283	1,50	36223

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

- Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

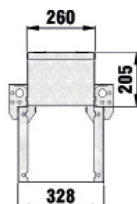
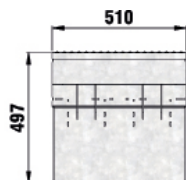
RECYFIX® MONOTEC 200

Accessories

Inspection box



Inspection box



Connection plate with screw set, galvanised, channel type 450

Inspection box	510	260	497	24,50	36235
Looking handle with screw for protection against vandalism	-	206	120	0,24	36298
Connection plate with screw set, galvanised, channel type 450	-	316	283	1,18	36247
Connection plate with screw set, galvanised, for RECYFIX MONOTEC 100 type 380	-	316	283	1,55	36147
Closing cap with screw set, galvanised, for trash box/inspection box	-	316	283	1,50	36223

All trash and inspection boxes are factory-made with the end face open to enable a modular use for all application situations:

- Option 1: one-sided channel connection: You will need 1 connection plate with the same channel height (= same type) and an closing cap.
- Option 2: two-sided channel connection: You will need 2 connection plates with the same channel height (= same type).

RECYFIX® MONOTEC 200

End caps



End cap closed, galvanised, type 450



End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 450

End cap closed, galvanised, type 450	-	250	441	1,75	36286
End cap with horizontal PVC-U pipe outlet DN/OD 110, galvanised, type 450	-	250	441	1,87	36296

LANDSCAPING

Versatile drainage range
for all requirements of landscaping.

Squares and parks
Railway platforms
Private and public areas
Terraces
Gardens



RECYFIX® PRO

Corrosion-free drainage system for private and public areas.





RECYFIX® PRO

Corrosion-free drainage system for private and public areas.

1 Requirements

- Drainage channels for optically attractive areas have to
- be modern and unique in its design
 - be extremely stable to guarantee long-term and permanent security
 - be resistant to environmental influences (frost, heat and moisture)
 - be dimensioned for high loading categories
 - be designed in accordance with DIN EN 1433

2 Application areas

- private and public areas
- squares and parks
- railway platforms
- driveways and parking lots
- reduced trafficked areas

3 Solutions

Therefore RECYFIX PRO channels are suitable for the drainage of sophisticated areas:

- channel and angle housing made of 100 % recycled composite
- secure and corrosion-free grating support
- loading capacity up to C 250
- hydraulically optimized FIBRETEC slotted grating



100% corrosion-free



Platform in Limburg, Germany



EACT Academy in Oldham Manchester, UK



Car park Andritz group Vienna, Austria

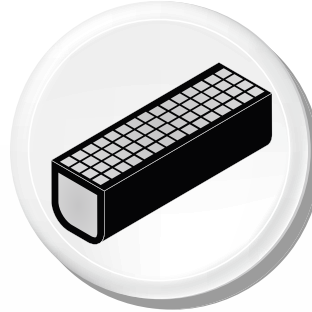


Residential complex in Munich, Germany

- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X

The benefits of **RECYFIX®** PRO channels

100% corrosion-free



pre-assembled ready for installation

- channel and grating = one part
 - no spare parts
 - easy handling in stock and on construction site
 - cost-efficient transport
- = better gross margin**



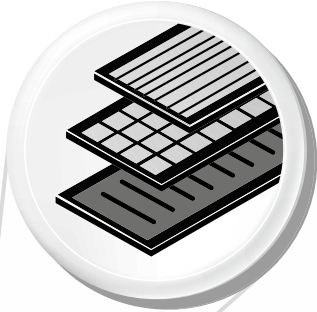
angle housing

- PP-angle housing acc. DIN 19580
 - ridges to stop any lateral movement
 - inlaying gratings
- = security**



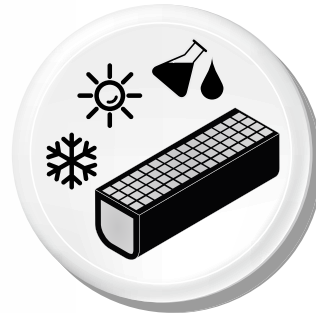
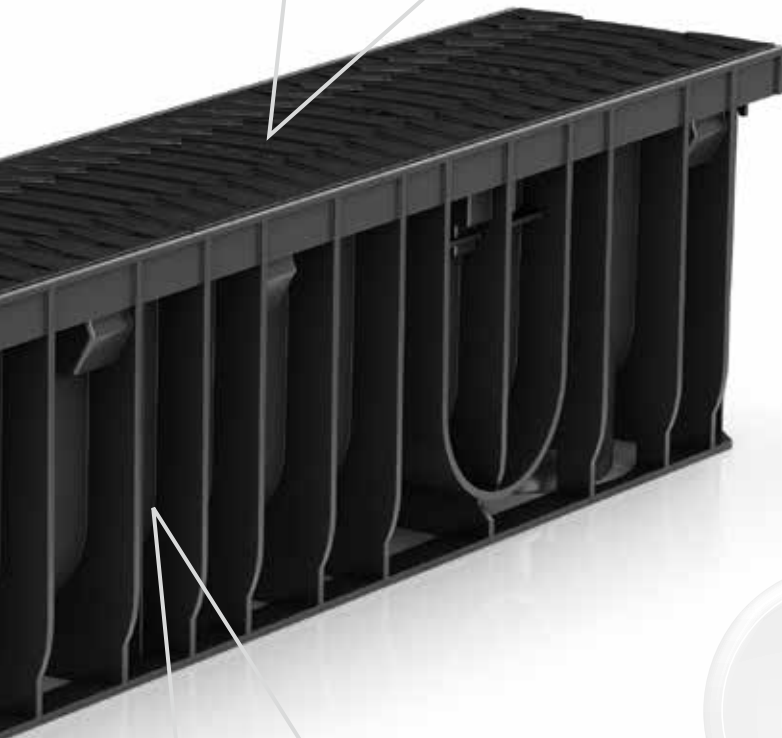
low weight ensures easy handling on site

- much lighter than channels made of polymer concrete
 - easy transport and installation
- = cost savings**



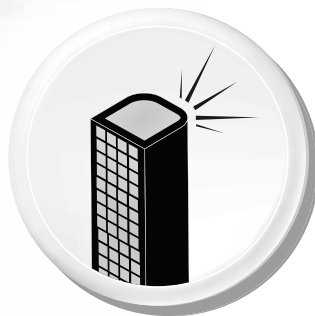
corrosion-free gratings

- high-grade recycled composite
 - FIBRETEC slotted grating: anti-slippery surface, hydraulically optimized with elegant inlet slots
- = flexibility / security**



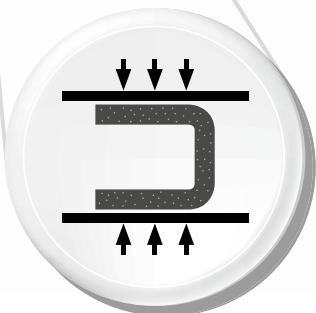
high resistance

- high resistance against frost, de-icing salt and UV rays
 - withstands great temperature differences
- = durability**



award-winning design

- FIBRETEC Slotted gratings honoured with Focus Open Design Award
 - nomination for German design prize
- = high quality work**



high-grade material

- RECYFIX - stable and unbreakable
 - elastic and especially robust material
 - withstands high loads and temperature differences in daily use
- = security**

RECYFIX®PRO
RECYFIX®PLUS
RECYFIX®STANDARD
Slotted Channels
TOP X

RECYFIX®PRO

Corrosion-free drainage system for private and public areas.

The large areas of the Westfalenpark grounds are drained with **RECYFIX®PRO** and other HAURATON channels.

RECYFIX®PRO

Drainage system for one of Europe's largest urban parks. RECYFIX PRO offers security and reduces costs.

The Westfalenpark is the green heart of the Westphalian city of Dortmund and, with its 70 hectares, it is one of the largest inner city parks in Europe. It is a popular destination for leisure and recreation in North Rhine-Westphalia and, in addition to numerous leisure and play facilities, features extensive water surfaces and a stage on the lake for cultural events and garden shows. The most notable building is the Florian tower - a 220 metre-high television and viewing tower, which is considered Dortmund's best-known building.

Benefits for Dortmund municipality:

- Safety
 - load class C 250 for in-park traffic
 - PA grating without sharp edges and burrs suitable for public areas
 - slot width suitable for pedestrians
- Cost reduction
 - corrosion-free = maintenance-free
 - simple to service
 - long service life and sustainable
 - attractive, durable design



Westfalenpark in Dortmund, Germany

■ Benefits for the landscape architect:

Reliable in design and material

- durable and reliable drainage system
- complies with all standards
- innovative and award-winning

■ Benefits for the installer:

Reduced installation cost and easy installation

- low weight
- simple installation, easy to cut (cutting to length, mitre cuts)
- easy transport to site



RECYFIX®PRO

RECYFIX®PLUS

RECYFIX®STANDARD

Slotted Channels

TOP X

RECYFIX® PRO

Corrosion-free drainage system for private and public areas.

RECYFIX PRO channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



Category A 15, Load class 15 kN



Category B 125, Load class 125 kN

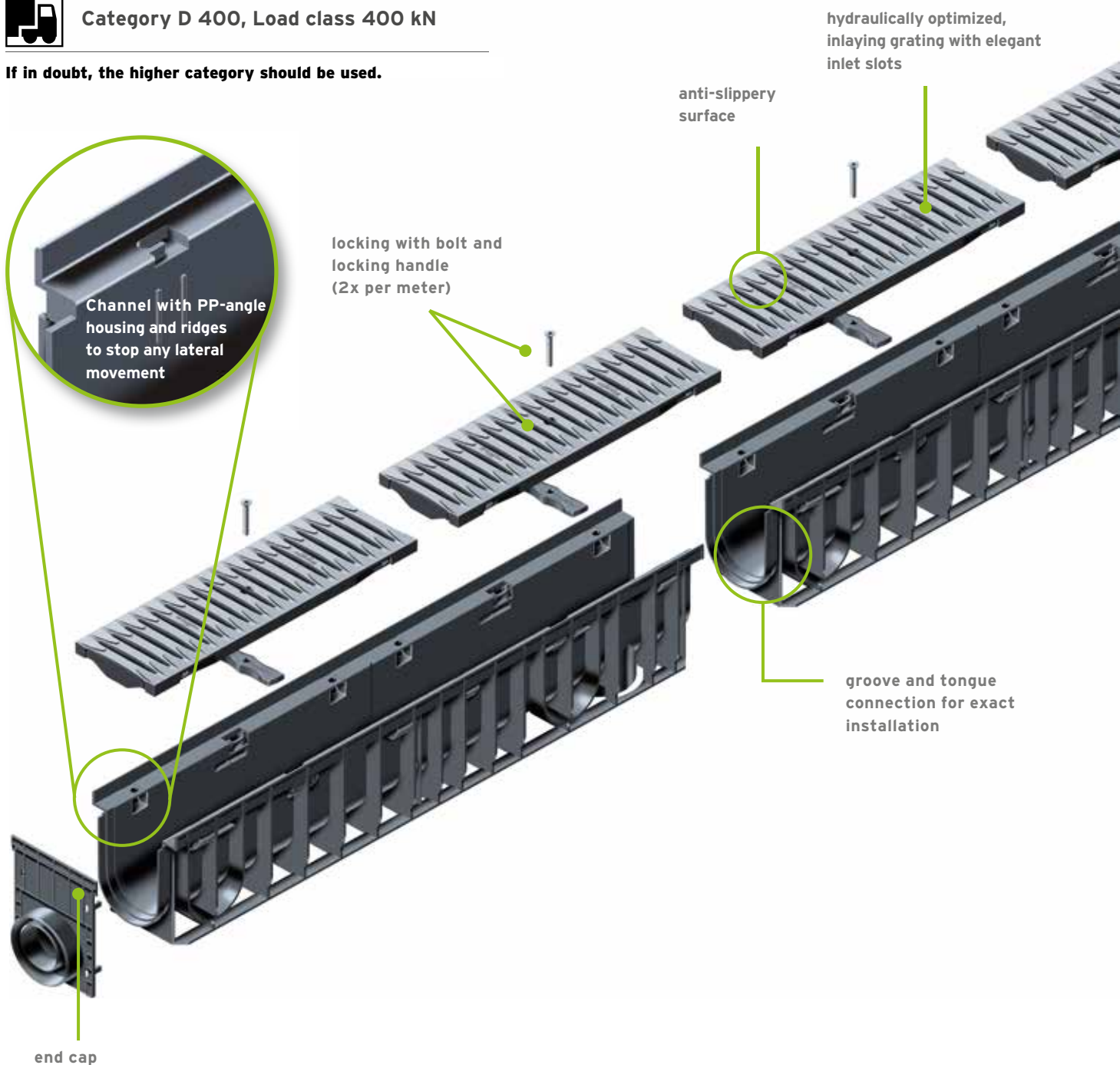


Category C 250, Load class 250 kN



Category D 400, Load class 400 kN

If in doubt, the higher category should be used.





Trash box with different pipe connection possibilities



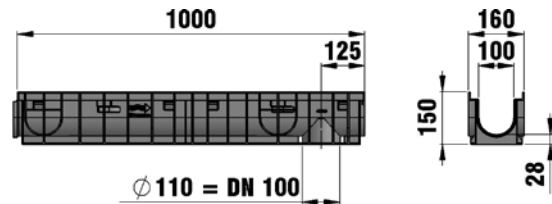
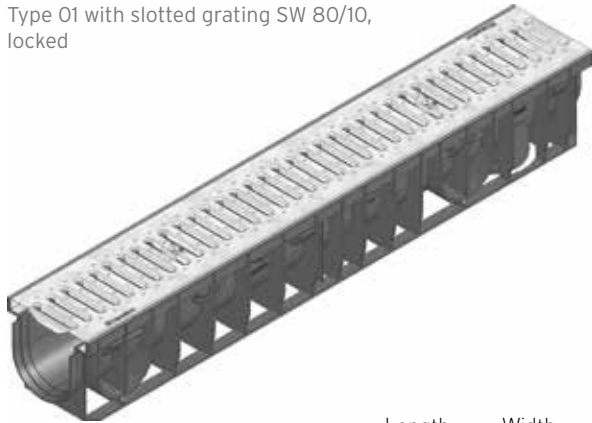
RECYFIX®PRO
RECYFIX®PLUS
RECYFIX®STANDARD
Slotted Channels
TOP X

RECYFIX® PRO 100

Combi article

RECYFIX® PRO 100, class A 15

Type 01 with slotted grating SW 80/10, locked



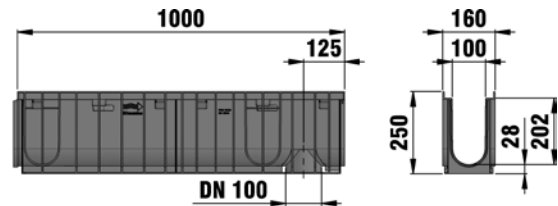
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with slotted grating SW 80/10, locked	1000	160	150	92	278	4,8	47021	47026
Type 0105 with slotted grating SW 80/10, locked	500	160	150	92	278	2,4	47022	47027
Type 010 with slotted grating SW 80/10, locked	1000	160	200	142	278	5,4	47023	47028
Type 01005 with slotted grating SW 80/10, locked	500	160	200	142	278	2,7	47024	47029
Type 020 with slotted grating, SW 80/10, locked	1000	160	250	192	278	6,6	48621	48622
Type 02005 with slotted grating, SW 80/10, locked	500	160	250	192	278	3,2	48671	48672
Type 75 with slotted grating, SW 80/10, locked	1000	160	75	35	278	4,0	47018	47012
Type 95 with slotted grating, SW 80/10, locked	1000	160	95	55	278	4,6	47019	47013

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® PRO 100

RECYFIX® PRO 100, class B 125

Type 020 with GUGI-Grating made of PA-GF, MW 15/25, black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	150	92	444	4,3	47035
Type 0105 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	500	160	150	92	444	2,1	47036
Type 010 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	200	142	444	4,7	47040
Type 01005 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	500	160	200	142	444	2,5	47041
Type 020 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	250	192	444	5,5	48623
Type 02005 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	500	160	250	192	444	2,8	48673
Type 75 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	75	35	444	2,9	47032
Type 95 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	95	55	444	3,6	47033
Type 01 with mesh grating, MW 30/30, galvanised, locked	1000	160	150	92	878	5,4	47044
Type 0105 with mesh grating, MW 30/30, galvanised, locked	500	160	150	92	869	2,6	47045
Type 010 with mesh grating, MW 30/30, galvanised, locked	1000	160	200	142	878	5,7	47046
Type 01005 with mesh grating, MW 30/30, galvanised, locked	500	160	200	142	869	2,9	47047
Type 020 with mesh grating, MW 30/30, galvanised, locked	1000	160	250	192	878	6,8	48624
Type 02005 with mesh grating, MW 30/30, galvanised, locked	500	160	250	192	869	3,5	48674
Type 75 with mesh grating MW 30/30, galvanised, locked*	1000	160	75	35	878	4,2	47010
Type 95 with mesh grating MW 30/30, galvanised, locked	1000	160	95	55	878	4,6	47011

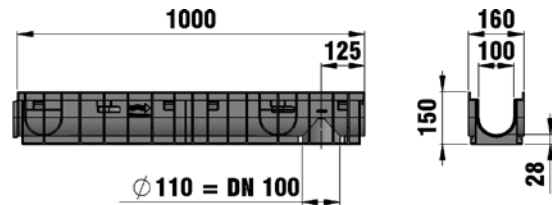
* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).

RECYFIX® PRO
RECYFIX® PLUS
RECYFIX® STANDARD
Slotted Channels
TOP X

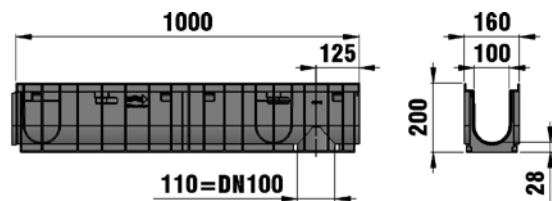
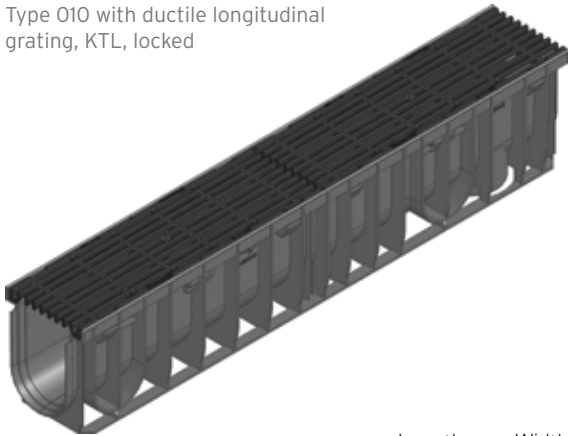
RECYFIX® PRO 100

RECYFIX® PRO 100, class C 250

Type 01 with FIBRETEC slotted grating, SW 9, black



Type 010 with ductile longitudinal grating, KTL, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with FIBRETEC slotted grating, SW 9, black	1000	160	150	92	372	4,6	47055	-
Type 0105 with FIBRETEC slotted grating, SW 9, black	500	160	150	92	372	2,3	47056	-
Type 010 with FIBRETEC slotted grating, SW 9, black	1000	160	200	142	372	4,9	47060	-
Type 01005 with FIBRETEC slotted grating, SW 9, black	500	160	200	142	372	2,5	47061	-
Type 020 with FIBRETEC slotted grating, SW 9, black, locked	1000	160	250	192	372	5,8	48625	-
Type 02005 with FIBRETEC slotted grating, SW 9, black, locked	500	160	250	192	372	3,0	48675	-
Type 75 with FIBRETEC slotted grating, SW 9, black	1000	160	75	35	372	3,4	47062	-
Type 95 with FIBRETEC slotted grating, SW 9, black	1000	160	95	55	372	3,7	47063	-
Type 01 with ductile longitudinal grating, KTL, locked	1000	160	150	92	528	10,4	48634	-
Type 0105 with ductile longitudinal grating, KTL, locked	500	160	150	92	528	5,2	48635	-
Type 010 with ductile longitudinal grating, KTL, locked	1000	160	200	142	528	11,1	48645	-
Type 01005 with ductile longitudinal grating, KTL, locked	500	160	200	142	528	5,6	48646	-

RECYFIX® PRO 100

RECYFIX® PRO 100, class C 250

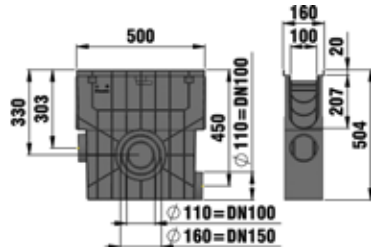
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 020 with longitudinal ductile iron grating, KTL-coated, slot distance 9 mm, locked	1000	160	250	192	528	7,5	48626	-
Type 02005 with longitudinal ductile iron grating, SW 9, KTL-coated, black, locked	500	160	250	192	528	5,6	48676	-
Type 75 with ductile longitudinal grating, KTL, locked	1000	160	75	35	528	9,5	47038	-
Type 95 with ductile longitudinal grating, KTL, locked	1000	160	95	55	528	10,0	47039	-
Type 01 with Slotted grating SW 80/10, locked	1000	160	150	92	281	7,3	47074	47084
Type 0105 with Slotted grating SW 80/10, locked	500	160	150	92	281	3,7	47075	47085
Type 010 with Slotted grating SW 80/10, locked	1000	160	200	142	281	7,6	47076	47086
Type 01005 with Slotted grating SW 80/10, locked	500	160	200	142	281	4,0	47077	47087
Type 020 with reinforced slotted grating, SW 80/10, locked	1000	160	250	192	281	9,0	48627	48628
Type 02005 with reinforced slotted grating, SW 80/10, locked	500	160	250	192	281	4,5	48677	48678
Type 75 with reinforced ductile iron grating, locked*	1000	160	75	35	281	6,5	47014	47016
Type 95 with reinforced ductile iron grating, SW 80/10, locked	1000	160	95	55	281	6,9	47015	47017

* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).
The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® PRO 100

Accessories

Trash boxes



Trash box with PE mud bucket and slotted grating SW 80/10, cl. A 15, locked



Trash box with galvanised mud bucket and GUGI-Grating made of PA-GF, MW 15/25, black



Trash box with PE mud bucket and mesh grating MW 30/30, cl. B 125, locked



Trash box with PE mud bucket and FIBRETEC slotted grating, SW 9, black

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
Trash box with PE mud bucket and slotted grating SW 80/10, cl. A 15, locked	500	160	504	5,7	47025	47043
Trash box with galvanised mud bucket and GUGI-Grating made of PA-GF, MW 15/25, black	500	160	504	5,9	47053	-
Trash box with PE mud bucket and mesh grating MW 30/30, cl. B 125, locked	500	160	504	5,9	47048	-
Trash box with PE mud bucket and FIBRETEC slotted grating, SW 9, black	500	160	504	5,9	47054	-
Trash box with PE mud bucket and with ductile longitudinal grating, KTL, cl. C 250, locked	500	160	504	8,1	48655	-
Trash box with PE mud bucket and slotted grating SW 80/10, cl. C 250, locked	500	160	504	7,1	47078	47088

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® PRO 100

End caps



End cap closed for type 01



End cap made of PP with outlet DN/OD 110 for type 01

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap closed for type 01	-	160	124	-	48681
End cap made of PP with outlet DN/OD 110 for type 01	-	160	200	0,1	48691
End cap closed for type 010	-	160	176	0,1	47082
End cap made of PP with outlet DN/OD 110 for type 010	-	160	201	0,1	47093
End cap made of PP, type 020	-	160	-	0,1	48683
End cap made of PP with outlet DN/OD 110, type 020	-	160	-	0,1	48695
End cap Type 75	-	160	61	-	47097
End cap Type 95	-	160	81	-	47098

Further accessories



Foul air trap for RECYFIX trash box 100



Foul air trap, vertical, DN/OD 110



Foul air trap set, vertical DN/OD 110 for RECYFIX 100



Step Fall Adapter for step slope, from type 01 to type 010, from type 010 to type 020

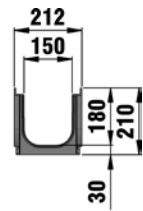
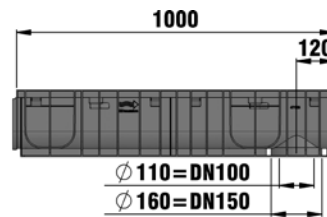
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap for RECYFIX trash box 100	75	78	135	0,1	967
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
Foul air trap, horizontal, with rubber sealing, black	-	-	-	0,1	966
Mud bucket vertical DN/OD 110, black	100	100	85	-	40293
Step Fall Adapter for step slope, from type 01 to type 010, from type 010 to type 020	174	98	92	0,2	48790
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

RECYFIX® PRO 150

Combi article

RECYFIX® PRO 150, class B 125

Type 01 with FIBRETEC slotted grating,
SW 9 mm, black, locked

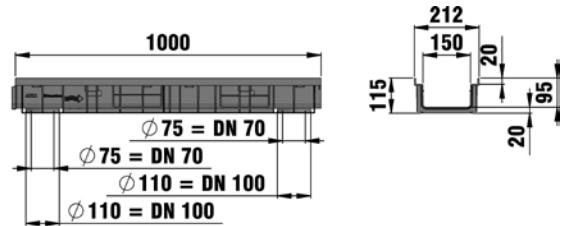
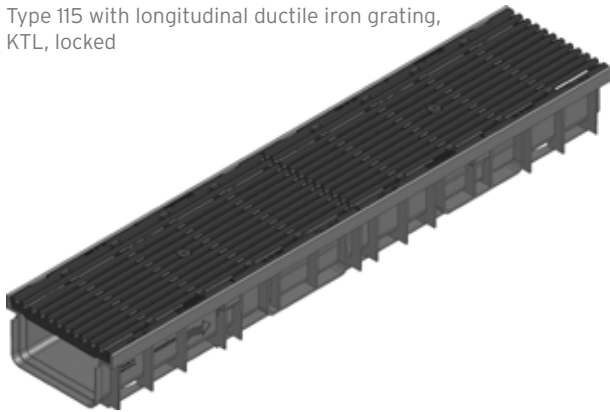


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	212	210	230	500	7,4	47135
Type 0105 with FIBRETEC slotted grating, SW 9 mm, black, locked	500	212	210	230	500	3,7	47136
Type 115 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	212	115	116	500	6,1	47133

RECYFIX® PRO 150

RECYFIX® PRO 150, class C 250

Type 115 with longitudinal ductile iron grating, KTL, locked

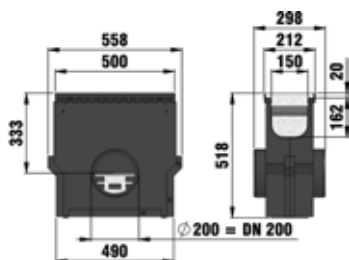


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with longitudinal ductile iron grating, KTL, locked	1000	212	210	230	740	17,1	47131
Type 0105 with longitudinal ductile iron grating, KTL, locked	500	212	210	230	740	8,6	47137
Type 115 with longitudinal ductile iron grating, KTL, locked	1000	212	115	116	740	15,9	47134

RECYFIX® PRO 150

Accessories

Trash boxes



Trash box with galvanised mud bucket and FIBRETEC Slotted grating, black, SW 9 mm, cl. B 125, locked

Trash box with galvanised mud bucket and longitudinal ductile iron grating, KTL, cl. C 250, locked

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with galvanised mud bucket and FIBRETEC Slotted grating, black, SW 9 mm, cl. B 125, locked	500	212	518	18,7	47153
Trash box with galvanised mud bucket and longitudinal ductile iron grating, KTL, cl. C 250, locked	500	212	518	23,6	47154

End caps



End cap closed, type 115



End cap combined, PP with outlet DN 70/100 for type 01

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap closed, type 115	-	208	100	-	47197
End cap combined, PP with outlet DN 70/100 for type 01	-	210	218	0,2	40591

RECYFIX® PRO 150

Further accessories



Mud bucket vertical DN/OD 110, black Mud bucket DN/OD 160

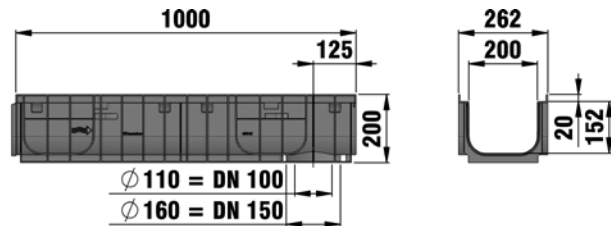
	Length mm	Width mm	Height mm	Weight kg	Item No.
Mud bucket vertical DN/OD 110, black	100	100	85	-	40293
Mud bucket DN/OD 160	-	-	180	0,6	2191
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,6	980

RECYFIX®PRO 200

Combi article

RECYFIX®PRO 200, class B 125

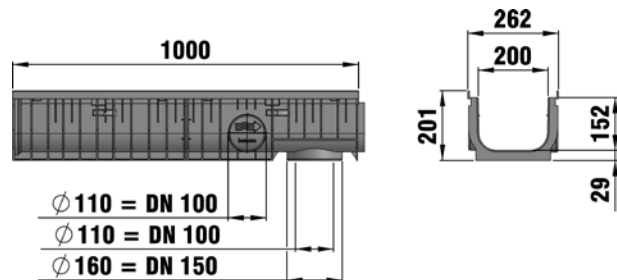
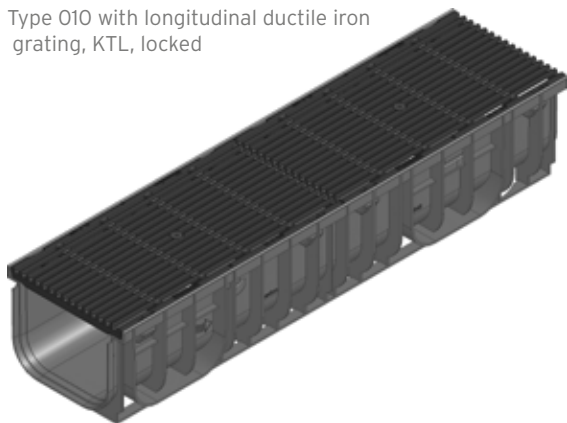
Type 010 with FIBRETEC slotted grating,
SW 9 mm, black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	262	200	294	656	8,3	47246
Type 115 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	262	115	150	656	7,0	47233

RECYFIX®PRO 200, class C 250

Type 010 with longitudinal ductile iron
grating, KTL, locked

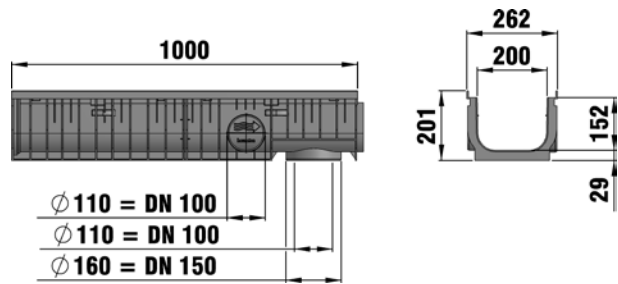


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with longitudinal ductile iron grating, KTL, locked	1000	262	200	294	951	22,6	47247
Type 115 with longitudinal ductile iron grating, KTL, locked	1000	262	115	150	951	21,6	47234
Type 010 with G-TEC grating, black, KTL-coated, locked	1000	262	200	294	595	20,6	47240
Type 115 with G-TEC grating, black, KTL-coated, locked	1000	262	115	150	595	19,3	47231

RECYFIX® PRO 200

RECYFIX® PRO 200, class D 400

Type 010 with G-TEC grating, KTL-coated, locked

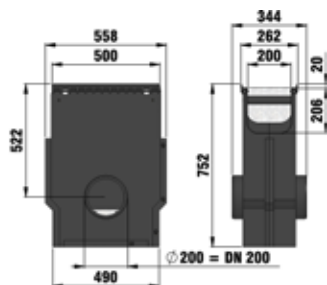


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with G-TEC grating, KTL-coated, locked	1000	262	200	294	595	20,6	47245
Type 115 with G-TEC grating, KTL-coated, locked	1000	262	115	150	595	19,3	47232

RECYFIX® PRO 200

Accessories

Trash boxes



Trash box with galvanised mud bucket and FIBRETEC slotted grating, black, cl. B 125, locked

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with galvanised mud bucket and FIBRETEC slotted grating, black, cl. B 125, locked	500	262	752	29,2	47253
Trash box with galvanised mud bucket and longitudinal ductile iron grating, KTL, cl. C 250, locked	500	262	752	36,2	47254
Trash box with galvanised mud bucket and G-TEC grating, cl. C 250, locked	500	262	752	36,4	47252
Trash box with galvanised mud bucket and G-TEC Ductile iron grating, black, cl. D 400, locked	500	262	752	35,4	47255

End caps



End cap closed, Type 115

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap combined made of PP closed / with outlet DN/OD 110, Type 010	-	258	217	0,2	41387
End cap closed, Type 115	-	250	100	0,1	47297

RECYFIX® PRO 200

Further accessories



Foul air trap, vertical,
DN/OD 110



Mud bucket DN/OD 160

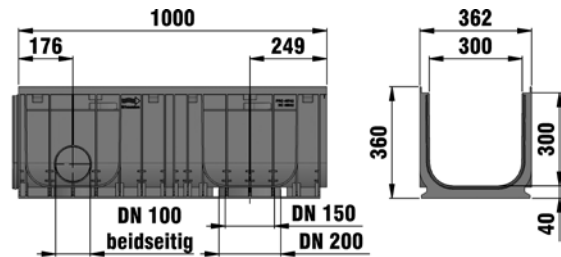
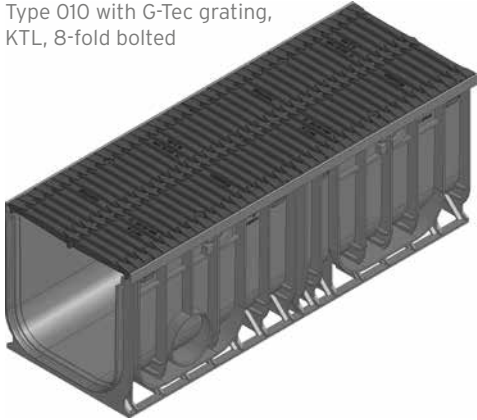
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Mud bucket DN/OD 160	-	-	180	0,6	2191
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,6	980

RECYFIX®PRO 300

Combi article

RECYFIX®PRO 300, class C 250

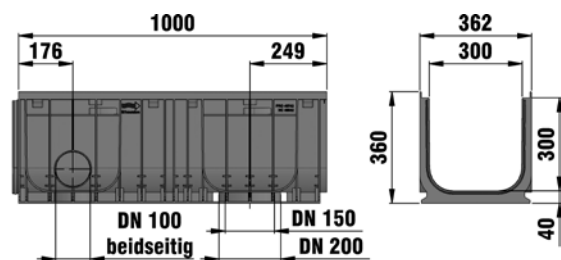
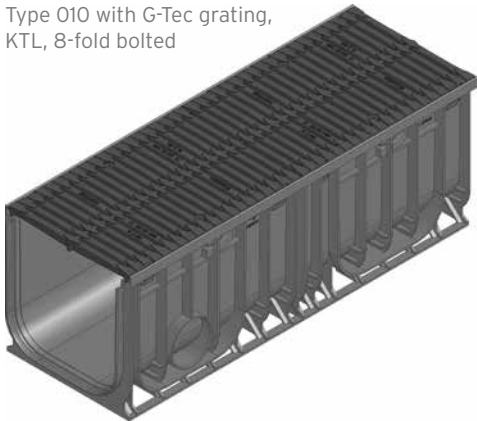
Type 010 with G-Tec grating,
KTL, 8-fold bolted



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with G-TEC grating, KTL, 8-fold bolted	1000	362	360	873	960	38,1	49744

RECYFIX®PRO 300, class D 400

Type 010 with G-Tec grating,
KTL, 8-fold bolted



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with G-Tec grating, KTL, 8-fold bolted	1000	362	360	873	960	38,1	49745

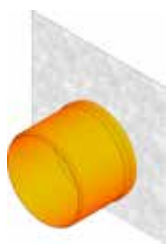
RECYFIX® PRO 300

Accessories

End caps



End cap closed, galvanized, type 010



End cap with horizontal UPVC-outlet DN/OD 200, galvanized, Type 010

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap closed, galvanized, type 010	-	360	360	1,9	49783
End cap with horizontal UPVC-outlet DN/OD 200, galvanized, Type 010	-	360	360	2,6	49791

RECYFIX® PLUS

Drainage channels with sophisticated look for public and commercial areas.





RECYFIX® PLUS

Drainage channels with sophisticated look for public and commercial areas.

1 Requirements

Drainage channels in commercial and public areas have to

- permanently withstand the daily stress of cars, trucks and pedestrians
- be optically attractive
- withstand weather influences (frost, heat, humidity)
- be in accordance with DIN EN 1433

2 Application areas

- public and commercial areas
- trafficked areas with higher loadings

3 Solutions

Therefore RECYFIX PLUS channels are suitable for the drainage of public and commercial areas:

- stable channels made of 100% recycled PE
- torsion-resistant ribs and steel frames for high stability
- corrosion-protected frames made of galvanised or stainless steel
- optical appreciation through visible steel frame





ALLEE Shopping Centre in Budapest, Hungary



Scoresby Market in Australia



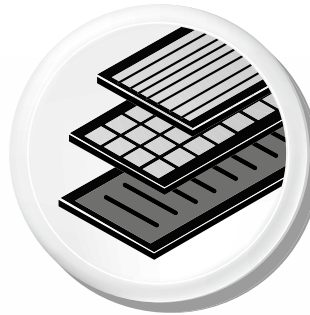
Mazda Car Dealer in Hobart, Tasmania, Australia



Shopping Centre MOLO in Stettin, Poland

- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X

The benefits of **RECYFIX**[®] PLUS channels



Numerous grating options

- variety of materials: ductile iron, galvanised or stainless steel
- narrow slot width for pedestrian areas available

= flexibility

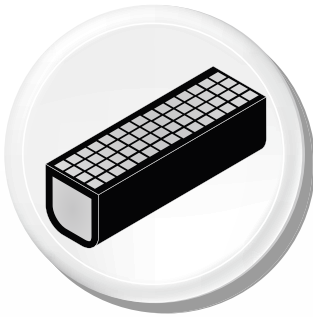


Frame system

- galvanised or stainless steel frames

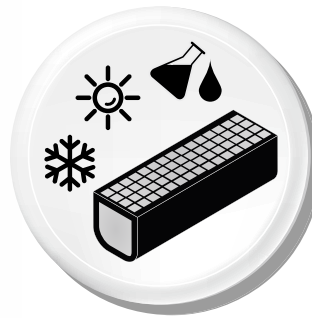
= security





Pre-assembled ready for installation

- channel and grating = one part
 - no spare parts
 - easy handling in stock and on construction site
 - cost-efficient transport
- = better gross margin**



High resistance

- high resistance against frost, de-icing salt and UV rays
 - withstands high temperature differences
- = durability**



Low weight ensures easy handling on site

- much lighter compared to channels made of polymer concrete
 - easy transport and installation
- = cost savings**

RECYFIX®PRO

RECYFIX®PLUS

RECYFIX®STANDARD

Slotted Channels

TOP X

RECYFIX®PLUS

RECYFIX®PLUS channels provide for a state-of-the-art drainage at the Vodafone campus in Düsseldorf

Durable and free of corrosion:

Façade and terrace drainage using RECYFIX PLUS.

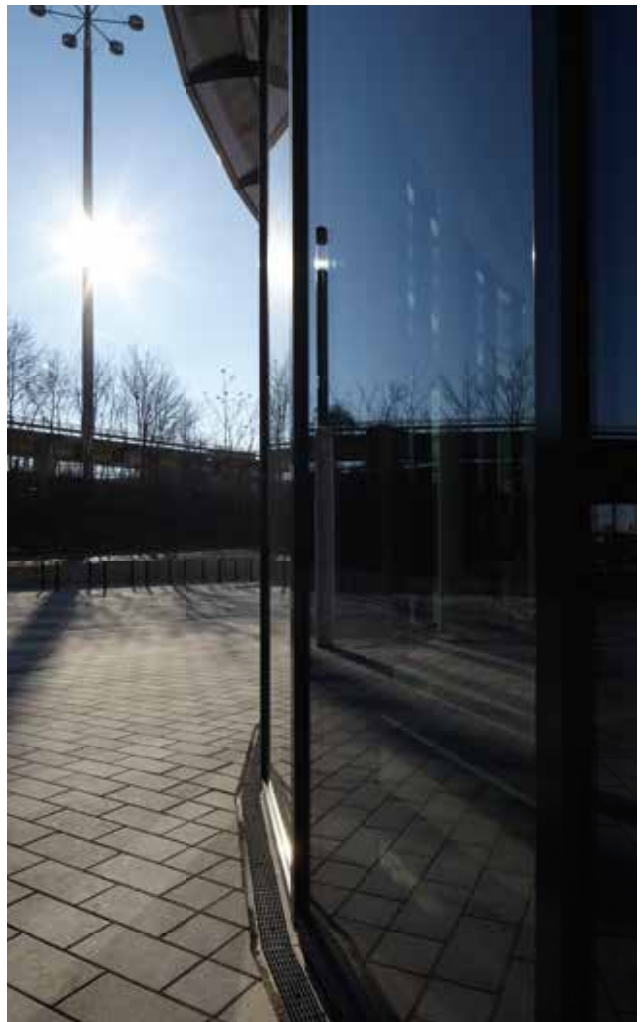
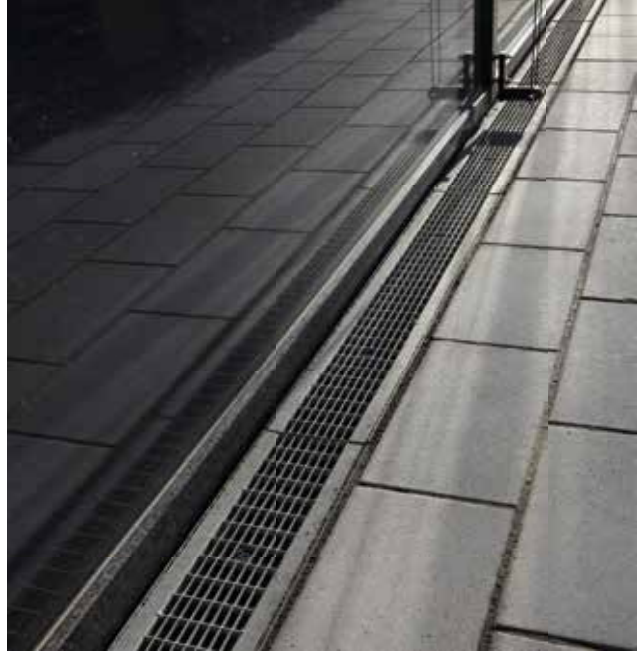
The Vodafone campus - a state-of-the-art office complex with workplaces for more than 5000 employees. More than 300 million Euros have been invested in bringing different sites together at the new head office. The building was designed and implemented in accordance with the criteria of the seal of quality for sustainable construction LEED Gold (Leadership in Energy and Environmental Design); one of the reasons why environmentally friendly products made from recycled PP were chosen for the drainage channels.

Reasons for using nearly 700 metres of RECYFIX®PLUS:

- Low construction costs
 - Ease of installation and processing polygonal laying rather than radial tailor-made channel
- Ecological material
 - Recycled PP complies with requirements for LEED Gold certification
 - Extremely detailed specifications with regard to material origin, material composition and manufacturing procedure
- Elegant appearance
 - Continuous metal edge on surface
 - Mesh gratings with no interfering little plates containing manufacturer details and load specifications



**Vodafone-Campus
in Düsseldorf, Germany**



- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X

RECYFIX® PLUS

Drainage channels with sophisticated look for public and commercial areas.

RECYFIX PLUS channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



Category A 15, Load class 15 KN

Trafficked areas, which are exclusively used by pedestrians and cyclists



Category B 125, Load class 125 kN

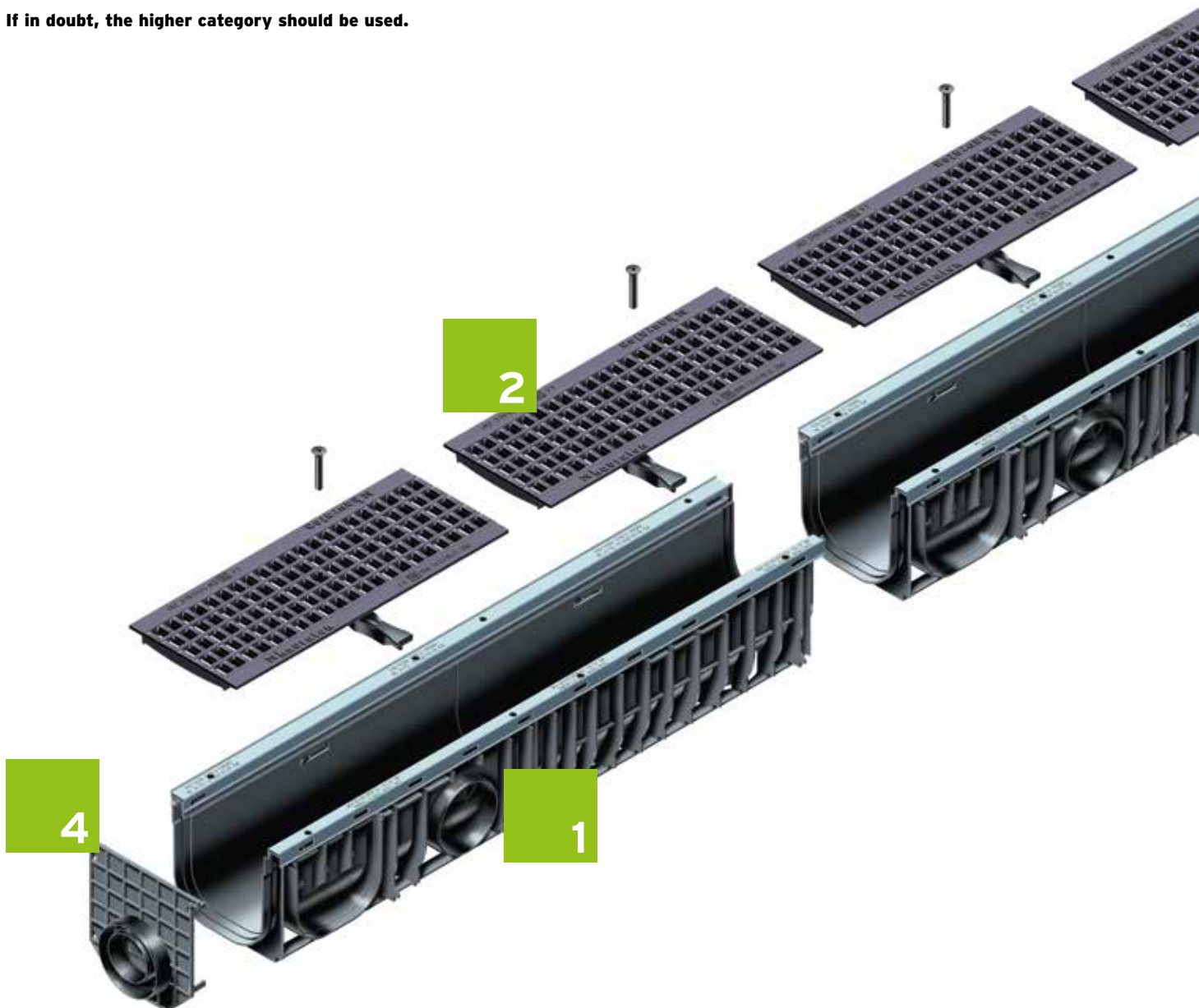
Sidewalks, pedestrian areas and comparable areas, car parks or car parking decks

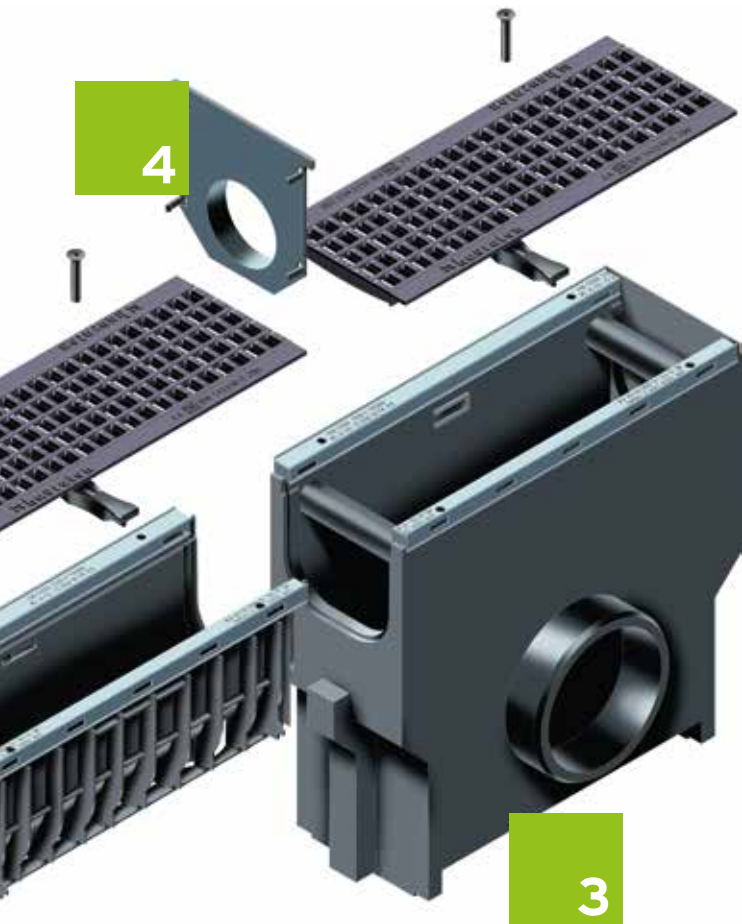


Category C 250, Load class 250 KN

Sidewalk channel areas and untraveled side panels or similar

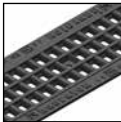


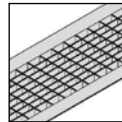

If in doubt, the higher category should be used.





- 1** Channels made of PP with integrated steel frame, according to EN 1433, with tongue and groove connection for exact installation
- 2** Numerous grating options, for example GUGI-Ductile iron mesh gratings
- 3** Trash box with pipe connection possibility
- 4** End caps with or without outlet

Grating options RECYFIX®PLUS channels

	GUGI-Ductile iron Mesh gratings*	Ductile iron gratings*	Slotted gratings*	Mesh gratings*	Perforated gratings*
Load categories acc. to DIN EN 1433					
Car traffic			100	100	
A 15			150, 200		100
B 125				100, 150, 200	
C 250	100, 150, 200, 300	100, 150, 200			

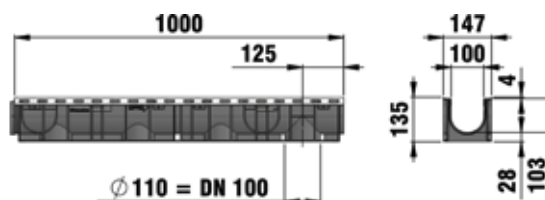
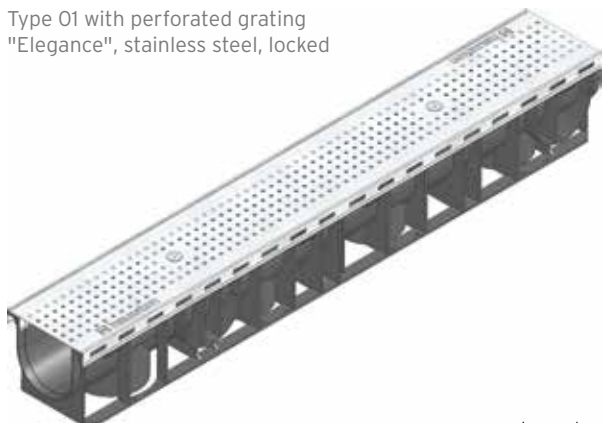
*sizes are nominal widths

RECYFIX®PLUS 100

Combi article

RECYFIX®PLUS 100, class A 15

Type 01 with perforated grating
"Elegance", stainless steel, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with perforated grating "Elegance", stainless steel, locked	1000	147	135	92	102	5,5	41440
Type 0105 with perforated grating "Elegance", stainless steel, locked	500	147	135	92	102	2,8	41447
Type 010 with perforated grating "Elegance", stainless steel, locked	1000	147	186	142	102	6,4	41442
Type 01005 with perforated grating "Elegance", stainless steel, locked	500	147	186	142	102	3,2	41448
Type 60 with perforated grating "Elegance", stainless steel, locked	1000	147	60	35	102	3,9	41444
Type 80 with perforated grating "Elegance", stainless steel, locked	1000	147	80	55	102	4,1	41446

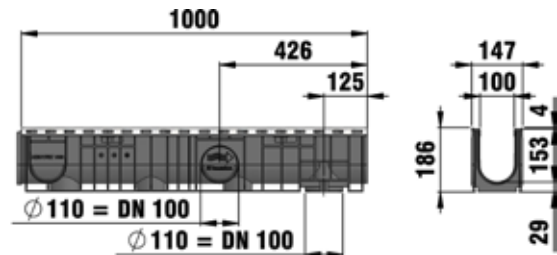
Type 60/type 80 with preformed outlet DN 70.

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX®PLUS 100

RECYFIX®PLUS 100, trafficable

Type 010 with slotted grating SW 9, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with slotted grating SW 9, locked	1000	147	135	92	280	5,3	40344	41400
Type 0105 with slotted grating SW 9, locked	500	147	135	92	280	2,7	40347	41407
Type 010 with slotted grating SW 9, locked	1000	147	186	142	280	5,6	40339	41402
Type 01005 with slotted grating SW 9, locked	500	147	186	142	280	2,8	40341	41408
Type 60 with slotted grating SW 9, locked*	1000	147	60	35	280	4,0	40332	41404
Type 80 with slotted grating SW 9, locked*	1000	147	80	55	280	4,1	40337	41406
Type 01 with mesh grating MW 30/10, locked	1000	147	135	92	650	6,5	40346	-
Type 0105 with mesh grating MW 30/10, locked	500	147	135	92	650	3,4	40348	-
Type 010 with mesh grating MW 30/10, locked	1000	147	186	142	650	7,5	40340	-
Type 01005 with mesh grating MW 30/10, locked	500	147	186	142	650	3,8	40343	-
Type 60 with mesh grating MW 30/10, locked*	1000	147	60	35	650	5,2	40333	-
Type 80 with mesh grating MW 30/10, locked	1000	147	80	55	650	5,3	40338	-

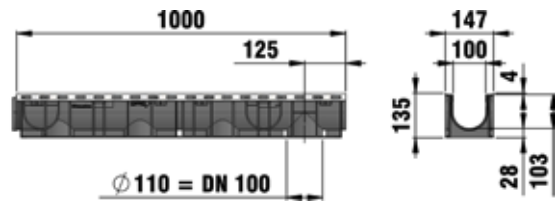
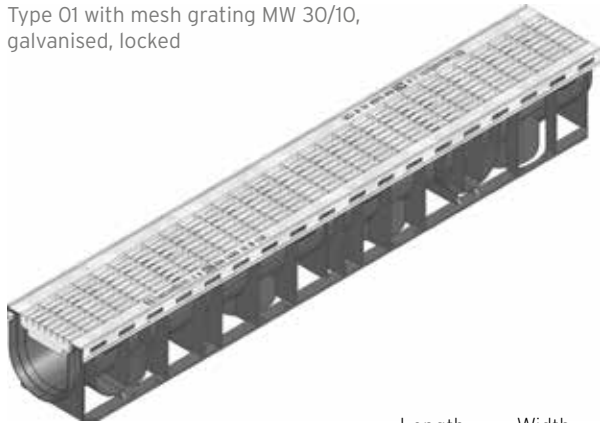
* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).
 Type 60/type 80 with preformed outlet DN 70.
 The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX®PLUS 100

Combi article

RECYFIX®PLUS 100, class B 125

Type 01 with mesh grating MW 30/10, galvanised, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with mesh grating MW 30/10, galvanised, locked	1000	147	135	92	650	7,5	41420	41410
Type 0105 with mesh grating MW 30/10, galvanised, locked	500	147	135	92	650	4,0	41427	41417
Type 010 with mesh grating MW 30/10, galvanised, locked	1000	147	186	142	650	8,5	41422	41412
Type 01005 with mesh grating MW 30/10, galvanised, locked	500	147	186	142	650	4,4	41428	41418
Type 60 with mesh grating MW 30/10, galvanised, locked*	1000	147	60	35	650	6,0	41424	-
Type 80 with mesh grating MW 30/10, galvanised, locked	1000	147	80	55	650	6,2	41426	41416

* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).

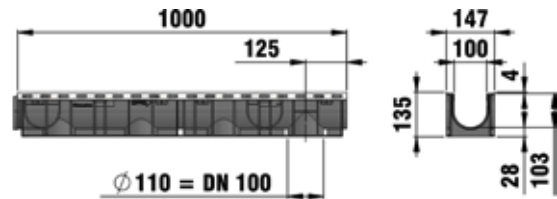
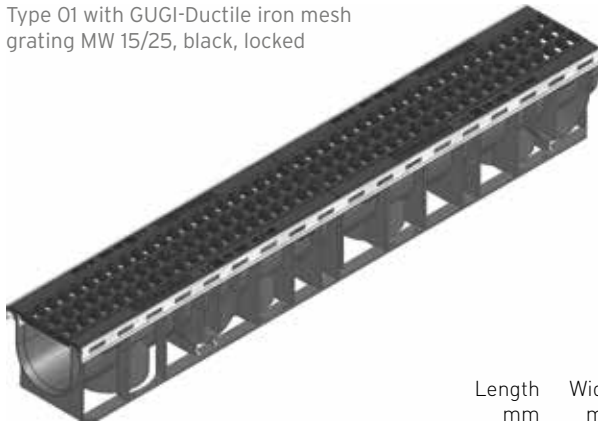
Type 60/type 80 with preformed outlet DN 70.

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX®PLUS 100

RECYFIX®PLUS 100, class C 250

Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	147	135	92	444	8,6	40360	41460
Type 0105 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	500	147	135	92	444	4,3	40365	41465
Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	147	186	142	444	9,5	40380	41480
Type 0105 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	500	147	186	142	444	7,8	40385	41485
Type 60 with GUGI-Ductile iron mesh grating MW 15/25, black, locked*	1000	147	60	35	444	7,4	40359	41459
Type 80 with GUGI-Ductile iron mesh grating MW 15/25, black, locked*	1000	147	80	55	444	7,5	40364	41464
Type 01 with ductile iron grating SW 14, locked	1000	147	135	92	450	9,0	40361	41461
Type 0105 with ductile iron grating SW 14, locked	500	147	135	92	450	7,6	40366	41466
Type 010 with ductile iron grating SW 14, locked	1000	147	186	142	450	9,9	40381	41481
Type 0105 with ductile iron grating SW 14, locked	500	147	186	142	450	8,0	40386	41486
Type 60 with ductile iron grating SW 14, black, locked*	1000	147	60	35	450	7,9	40362	41462
Type 80 with ductile iron grating SW 14, black, locked	1000	147	80	55	450	8,0	40367	41467
Type 01 with ductile iron grating SW 6, locked	1000	147	135	92	290	10,0	40363	41463
Type 0105 with ductile iron grating SW 6, locked	500	147	135	92	290	8,1	40368	41468
Type 010 with ductile iron grating SW 6, locked	1000	147	186	142	290	10,9	40383	41483
Type 0105 with ductile iron grating SW 6, locked	500	147	186	142	290	8,5	40388	41488
Type 60 with ductile iron grating SW 6, black, locked*	1000	147	60	35	290	8,7	40372	41472
Type 80 with ductile iron grating SW 6, black, locked	1000	147	80	55	290	8,8	40377	41477

* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).

Type 60/type 80 with preformed outlet DN 70.

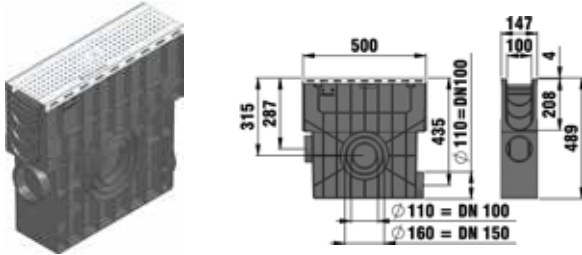
Items are equipped with galvanised angle housings and ductile iron grating black or stainless steel angle housings and ductile iron grating black.

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® PLUS 100

Accessories

Trash boxes



Trash box with plastic bucket, with perforated grating, stainless steel, car-traffic, locked



Trash box with plastic bucket, with GUGI-Ductile iron mesh grating MW 15/25, black, class C 250, locked



Trash box with plastic bucket, with ductile iron grating SW 14, black, class C 250, locked

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
Trash box with plastic bucket, with perforated grating, stainless steel, car-traffic, locked	500	147	489	5,1	-	41449
Trash box with plastic bucket, with slotted grating SW 9, trafficable, locked	500	147	489	4,8	40353	41409
Trash box with plastic backed, with mesh grating, MW 30/10, trafficable, locked	500	147	489	5,4	40354	-
Trash box with plastic bucket, with mesh grating MW 30/10, class B 125, locked	500	147	489	6,2	41429	41419
Trash box with plastic bucket, with GUGI-Ductile iron mesh grating MW 15/25, black, class C 250, locked	500	147	489	6,6	40358	41458
Trash box with plastic bucket, with ductile iron grating SW 14, black, class C 250, locked	500	147	489	6,8	40356	41456
Trash box with plastic bucket, with ductile iron grating SW 6, black, class C 250, locked	500	147	489	7,3	40357	41457

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® PLUS 100

End caps



End cap, closed for type 01



End cap closed for type 010



End cap combined made of PP with outlet DN/OD 110, type 010

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap, closed for type 01	-	150	108	-	48081
End cap with outlet DN/OD 110 for type 01	-	148	185	0,1	48091
End cap closed for type 010	-	150	160	-	40282
End cap combined made of PP with outlet DN/OD 110, type 010	-	148	185	0,1	40283
End cap closed, made of PP, for type 60	-	147	44	-	40284
End cap closed, made of PP, for Type 80	-	147	64	-	40291

Further accessories



Foul air trap for RECYFIX trash box 100



Foul air trap, vertical, DN/OD 110



Foul air trap set, vertical DN/OD 110 for RECYFIX 100



Mud bucket vertical DN/OD 110, black



Step Fall Adapter for step slope, from type 01 to type 010

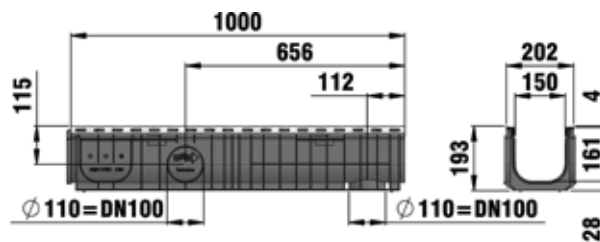
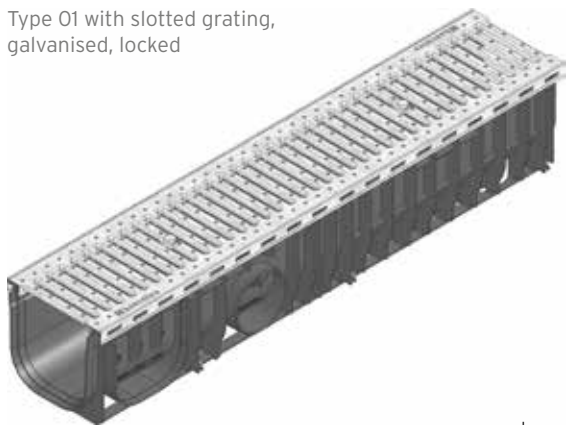
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap for RECYFIX trash box 100	75	78	135	0,1	967
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
Foul air trap, horizontal, with rubber sealing, black	-	-	-	0,1	966
Mud bucket vertical DN/OD 110, black	100	100	85	-	40293
Step Fall Adapter for step slope, from type 01 to type 010	174	98	92	0,2	41290
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

RECYFIX®PLUS 150

Combi article

RECYFIX®PLUS 150, class A 15

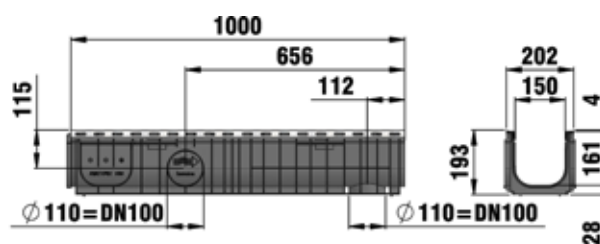
Type 01 with slotted grating, galvanised, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with slotted grating, galvanised, locked	1000	202	193	225	390	5,3	41064
Type 0105 with slotted grating, galvanised	500	202	193	225	390	3,4	41047
Type 100 with slotted grating, galvanised, locked	1000	202	100	117	390	5,6	41065

RECYFIX®PLUS 150, class B 125

Type 01 with mesh grating MW 30/30, galvanised, locked

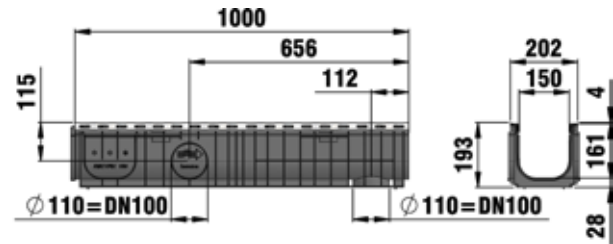
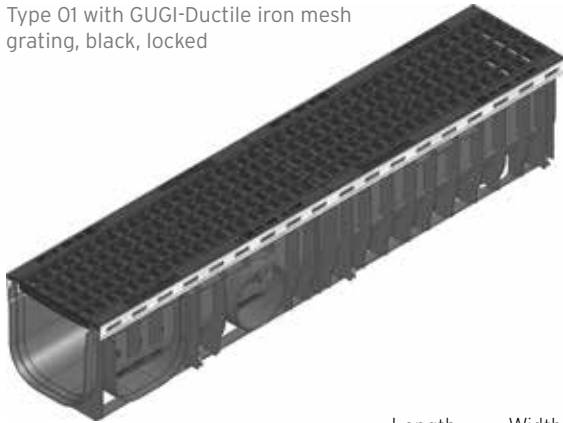


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with mesh grating MW 30/30, galvanised, locked	1000	202	193	225	1081	7,9	41071
Type 0105 with mesh grating MW 30/30, galvanised, locked	500	202	193	225	1081	4,0	41046
Type 100 with mesh grating MW 30/30, galvanised, locked	1000	202	100	117	1081	7,7	41035
Type 01 with mesh grating MW 30/10, galvanised, locked	1000	202	193	225	1098	8,8	41077
Type 0105 with mesh grating MW 30/10, galvanised, locked	500	202	193	225	1098	2,9	41048
Type 100 with mesh grating MW 30/10, galvanised, locked	1000	202	100	117	1098	8,8	41036

RECYFIX®PLUS 150

RECYFIX®PLUS 150, class C 250

Type 01 with GUGI-Ductile iron mesh grating, black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with GUGI-Ductile iron mesh grating, black, locked	1000	202	193	225	745	13,8	41075	42675
Type 0105 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	500	202	193	225	745	6,8	41049	-
Type 100 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	202	100	117	745	12,6	41041	-
Type 01 with ductile iron grating, black, SW 6 mm, locked	1000	202	193	225	400	12,8	41076	42676
Type 0105 with ductile iron grating black, SW 6 mm, locked	500	202	193	225	400	8,1	41050	-
Type 100 with ductile iron grating black, SW 6 mm, locked	1000	202	100	117	400	14,0	41037	-

The quality of stainless steel material corresponds to CNS 1.4301.

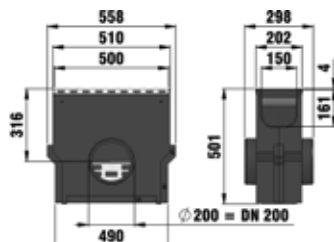
RECYFIX® PLUS 150

Accessories

Trash boxes



Trash box with slotted grating, cl. A 15, galvanised



Trash box with galvanised bucket, with mesh grating MW 30/30, galvanised, class B 125, locked



Trash box with galvanised bucket, with GUGI-Ductile iron mesh grating MW 15/25, galvanised, class C 250 locked

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
Trash box with slotted grating, cl. A 15, galvanised	500	202	501	17,3	41055	-
Trash box with galvanised bucket, with mesh grating MW 30/30, galvanised, class B 125, locked	500	202	501	19,1	41054	-
Trash box with galvanised bucket, with mesh grating MW 30/10, galvanised, class B 125, locked	500	202	501	18,6	41056	-
Trash box with galvanised bucket, with GUGI-Ductile iron mesh grating MW 15/25, galvanised, class C250 locked	500	202	501	20,7	41053	42653
Trash box with galvanised bucket, with ductile iron grating SW 6 mm, black, cl. C 250, locked	500	202	501	20,5	41058	42658

The quality of stainless steel material corresponds to CNS 1.4301.

End caps



End cap combined made of PP with outlet DN 70/100, Type 01



End cap closed, type 100

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap combined made of PP with outlet DN 70/100, Type 01	-	210	203	0,1	40191
End cap closed, type 100	-	208	100	-	40190

RECYFIX® PLUS 150

Further accessories



Foul air trap, vertical,
DN/OD 110



Foul air trap set, vertical
DN/OD 110 for RECYFIX
100

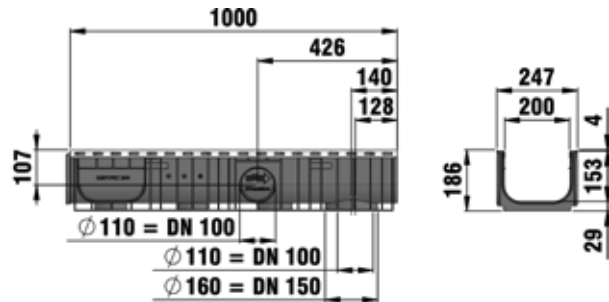
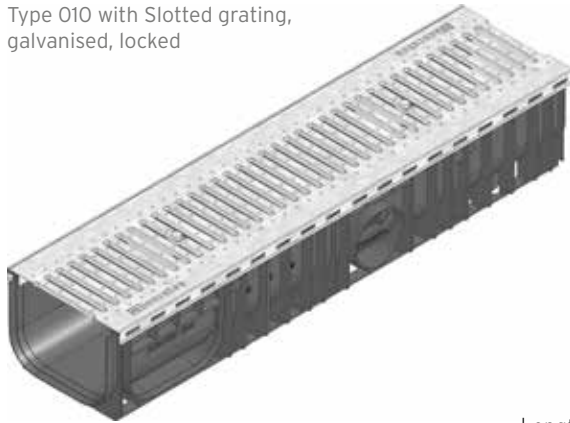
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,6	980

RECYFIX®PLUS 200

Combi article

RECYFIX®PLUS 200, class A 15

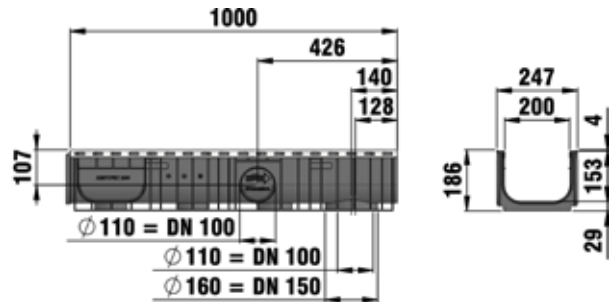
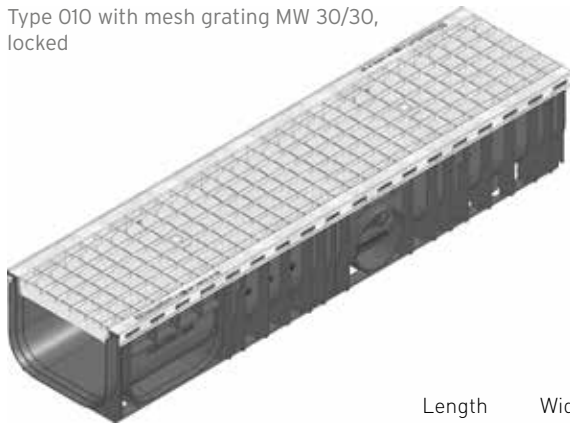
Type 010 with Slotted grating, galvanised, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with Slotted grating, galvanised, locked	1000	247	186	290	390	7,7	40748
Type 020 with Slotted grating, galvanised, locked	1000	247	236	366	390	8,2	40749

RECYFIX®PLUS 200, class B 125

Type 010 with mesh grating MW 30/30, locked



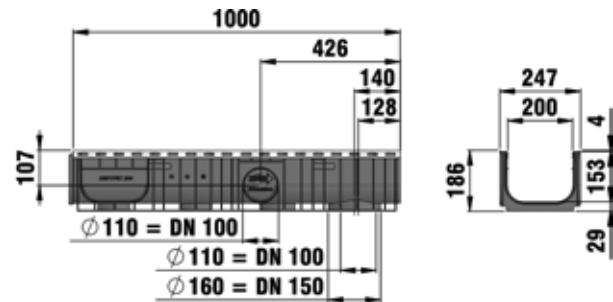
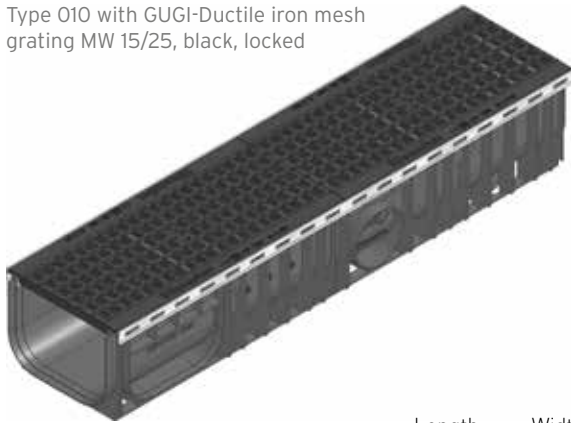
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 010 with mesh grating MW 30/30, locked	1000	247	186	290	1620	10,3	40771	42771
Type 020 with mesh grating MW 30/30, locked	1000	247	236	366	1620	11,5	40773	42773
Type 100 with mesh grating MW 30/30, locked	1000	247	100	147	1620	9,3	40735	42735
Type 010 with mesh grating MW 30/10, locked	1000	247	186	290	1442	12,2	40785	-
Type 020 with mesh grating MW 30/10, locked	1000	247	236	366	1442	12,7	40786	-
Type 100 with mesh grating MW 30/10, locked	1000	247	100	147	1442	11,1	40736	-

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX®PLUS 200

RECYFIX®PLUS 200, class C 250

Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked



	Length mm	Width mm	Height mm	Drainage cross- sect. cm ²	Intake cross- sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	247	186	290	825	16,6	40770	42770
Type 020 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	247	236	366	825	17,1	40772	42772
Type 100 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	247	100	147	825	15,1	40741	42741
Type 010 with ductile iron grating, 2 x 85/20, black, locked	1000	247	186	290	822	16,2	40760	42760
Type 020 with ductile iron grating, 2 x 85/20, black, locked	1000	247	236	366	822	16,8	40761	42761
Type 100 with ductile iron grating, SW 20.5, black, locked	1000	247	100	147	822	14,9	40740	42740
Type 010 with ductile iron grating, SW 6 mm, locked	1000	247	186	290	656	19,0	40788	42788
Type 020 with ductile iron grating, SW 6 mm, locked	1000	247	236	366	656	19,1	40789	42789
Type 100 with ductile iron grating, SW 6 mm, locked	1000	247	100	147	656	17,6	40787	42787

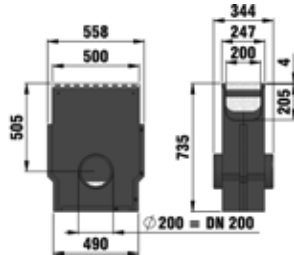
The quality of stainless steel material corresponds to CNS 1.4301.

Items are equipped with galvanised angle housings and ductile iron grating black or stainless steel angle housings and ductile iron grating black.

RECYFIX® PLUS 200

Accessories

Trash boxes



Trash box with mesh grating
MW 30/10, galvanised, cl. B 125,
locked

Trash box with GUGI-ductile
iron grating MW 15/25, black, cl.
C 250, locked

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
Trash box with galvanised mud bucket and Slotted grating, galvanised, class A 15, locked	500	247	735	29,0	40765	-
Trash box with mesh grating MW 30/30, galvanised, cl. B 125, locked	500	247	735	27,6	40756	42756
Trash box with mesh grating MW 30/10, galvanised, cl. B 125, locked	500	247	735	29,2	40757	-
Trash box with GUGI-ductile iron grating MW 15/25, black, cl. C 250, locked	500	247	735	31,4	40753	42753
Trash box with ductile iron grating SW 20, black, cl. C 250, locked	500	247	735	31,2	40754	42754
Trash box with galvanised mud bucket and ductile iron grating, SW 6 mm, locked	500	247	735	32,5	40793	42793

The quality of stainless steel material corresponds to CNS 1.4301.

End caps



End cap combined made of PP
closed / with outlet DN/OD 110,
Type 010

End cap closed, Type 01

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
End cap combined made of PP closed / with outlet DN/OD 110, Type 010	-	254	199	0,2	40792	-
End cap closed, Type 01	-	260	275	1,1	12081	12581
End cap closed, type 100	-	262	100	0,1	40690	-

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® PLUS 200

Further accessories



Foul air trap set, vertical DN/OD 110 for RECYFIX 100



Step Fall Adapter for step slope, from type 010 to type 020

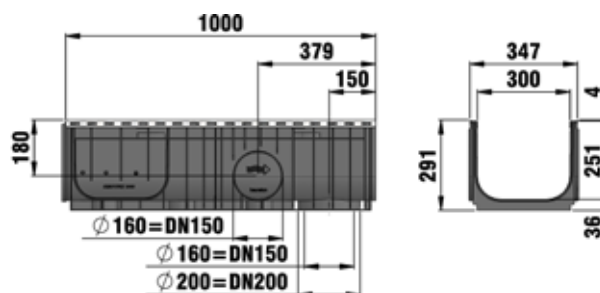
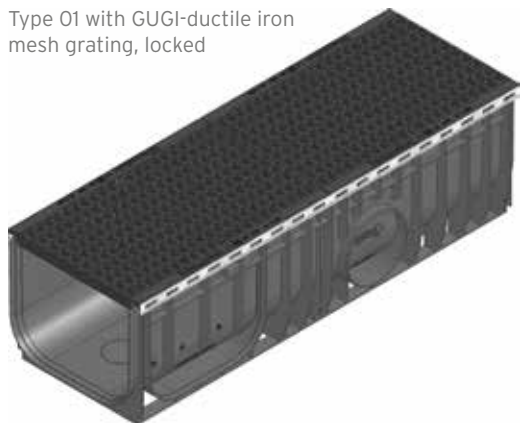
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
Step Fall Adapter for step slope, from type 010 to type 020	218	200	99	0,4	49590
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

RECYFIX®PLUS 300

Combi article

RECYFIX®PLUS 300, class C 250

Type 01 with GUGI-ductile iron mesh grating, locked



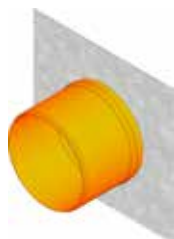
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with GUGI-ductile iron mesh grating, locked	1000	347	291	730	1327	30,1	41970

Accessories

End caps



End cap closed, galvanised, type 01



End cap with vertical UPVC outlet, galvanised, type 01

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap closed, galvanised, type 01	-	360	340	1,8	40882
End cap with vertical UPVC outlet, galvanised, type 01	-	360	340	2,3	40892

Further accessories

	Length mm	Width mm	Height mm	Weight kg	Item No.
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054

Your way to the tender text on **hauraton.com**

1 a) Product known

- Go to the product page.



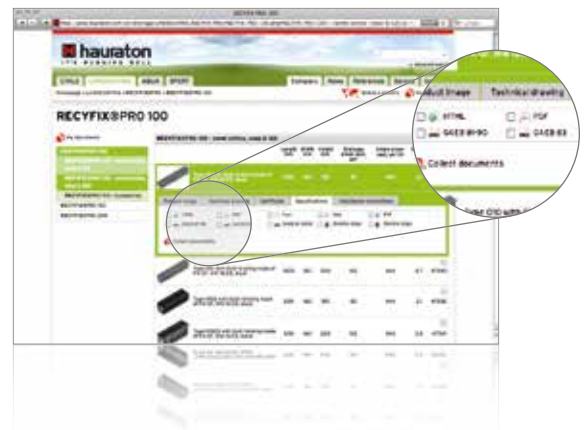
b) Product unknown

- Go to the specification tool.



- choose application
- choose field of application, loading capacity and nominal size
- select from the proposed systems / items

2 Choose required format and add it to your documents



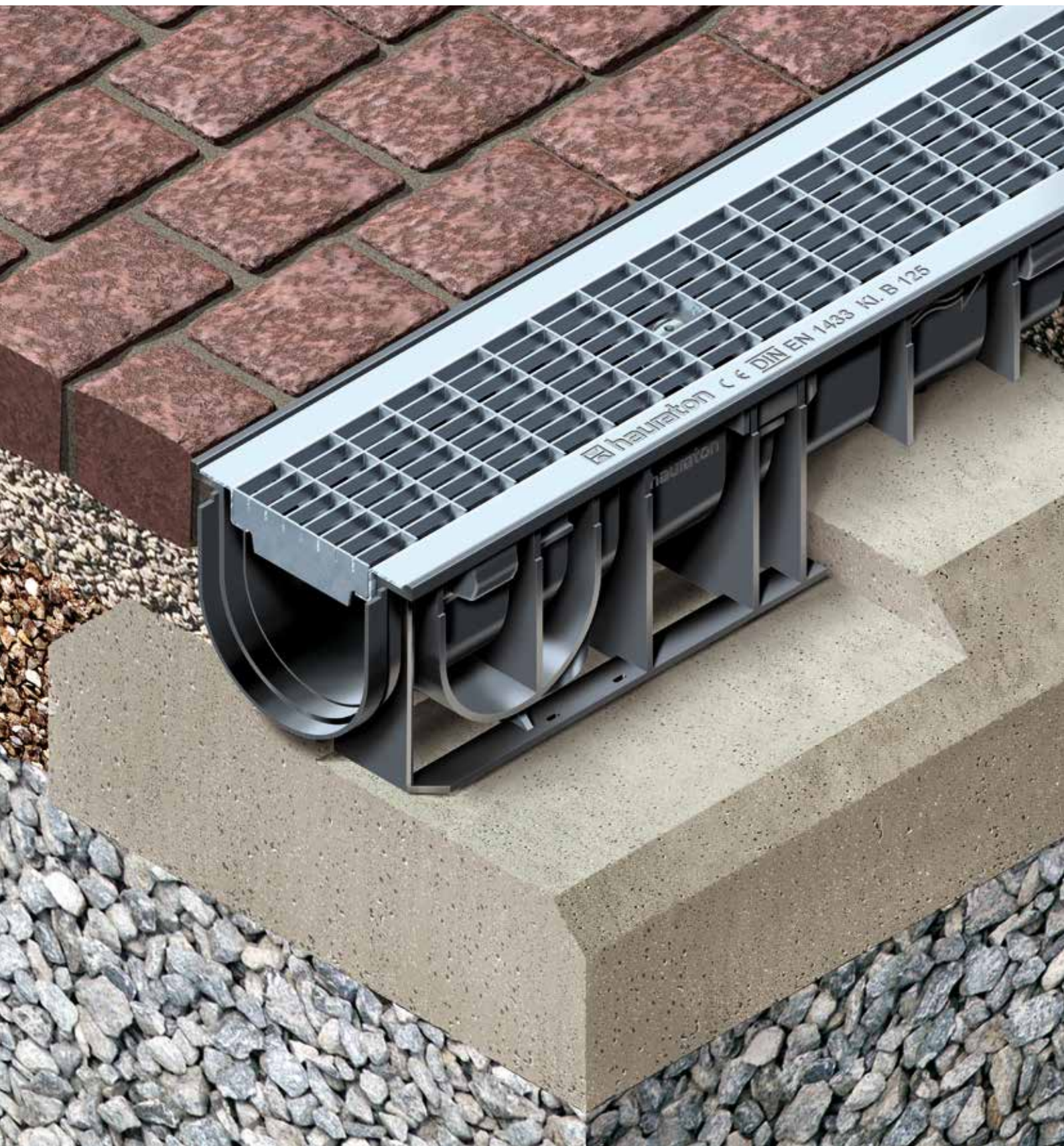
3 Download tender text

- Go to „My documents“.



RECYFIX® STANDARD

Linear drainage channels for public and commercial areas.





RECYFIX® STANDARD

Linear drainage channels for public and commercial areas.

1 Requirements

Drainage channels in private areas have to

- permanently withstand the daily stress of cars and pedestrians
- be easy to transport and install
- withstand weather influences (frost, heat, humidity)
- be optically attractive
- be in accordance with DIN EN 1433

2 Application areas

- predominantly private areas
- driveways
- courtyards
- terraces
- gardens
- parks

3 Solutions

Therefore RECYFIX STANDARD channels are suitable for the drainage of private areas

- high stability and functionality
- low weight
- preformed vertical and horizontal outlets
- nominal sizes from 100 to 300 mm with different heights
- stable gratings in loading classes A 15 up to C 250 according to DIN EN 1433





Water fun park



Veszprem Arena in Hungary



Spa Fürthermare in Fürth, Germany



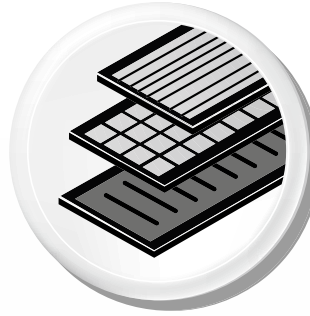
Private house



Street in Hungary

- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X

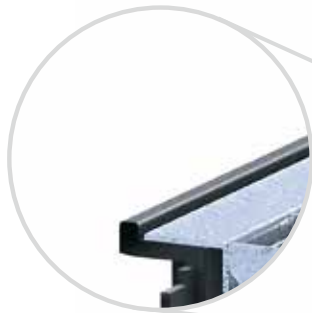
The benefits of **RECYFIX®** STANDARD channels



Numerous grating options

- variety of materials: ductile iron, galvanised or stainless steel
- narrow slot width for pedestrian areas available

= flexibility

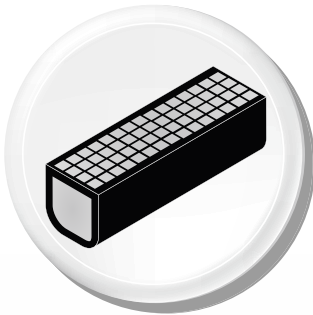


Frame system

- PP frames

= security

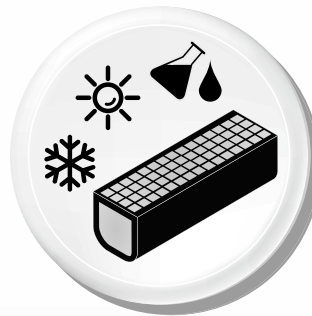




Pre-assembled ready for installation

- channel and grating = one part
- no spare parts
- easy handling in stock and on construction site
- cost-efficient transport

= better gross margin



High resistance

- high resistance against frost, de-icing salt and UV rays
- withstands great temperature differences

= durability



Low weight ensures easy handling on site

- much lighter compared to channels made of polymer concrete
- easy transport and installation

= cost savings

RECYFIX®PRO

RECYFIX®PLUS

RECYFIX®STANDARD

Slotted Channels

TOP X

RECYFIX® STANDARD

Linear drainage channels for public and commercial areas.

RECYFIX STANDARD channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



Category A 15, Load class 15 KN

Trafficked areas, which are exclusively used by pedestrians and cyclists



Category B 125, Load class 125 kN

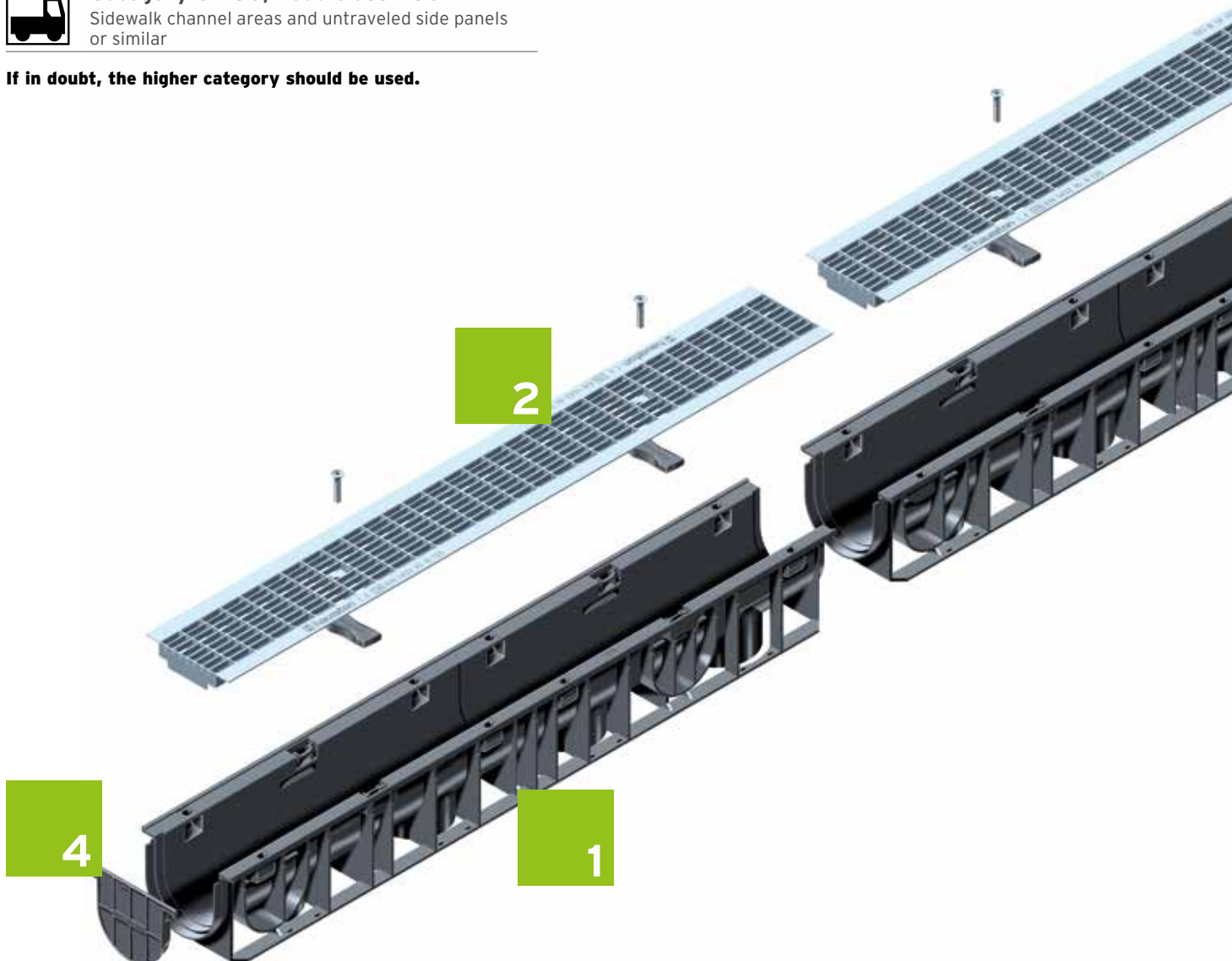
Sidewalks, pedestrian areas and comparable areas, car parks or car parking decks

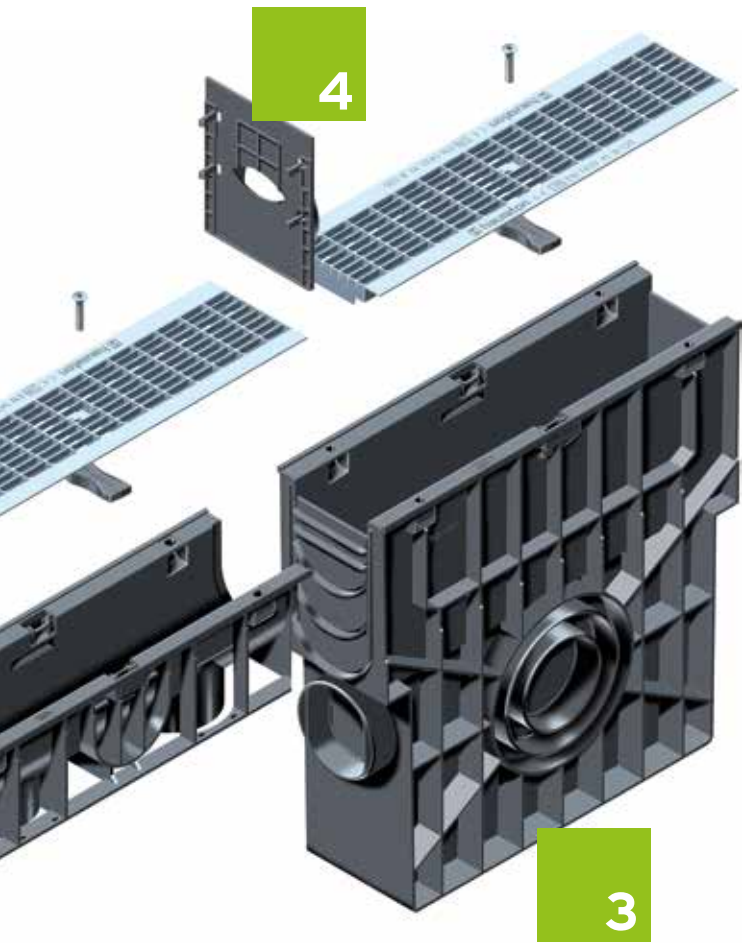


Category C 250, Load class 250 KN

Sidewalk channel areas and untraveled side panels or similar

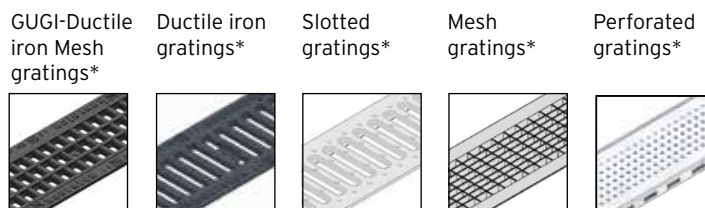
If in doubt, the higher category should be used.





- 1** ■ Channels made of PP with integrated steel frame, according to EN 1433, with groove and tongue connection for exact installation
- 2** ■ Numerous grating options, for example GUGI-Ductile iron mesh gratings
- 3** ■ Trash box with 3-sided pipe connection possibilities
- 4** ■ End caps with or without outlet

Grating options **RECYFIX®STANDARD channels**



Load categories acc. to DIN EN 1433

Car traffic	GUGI-Ductile iron Mesh gratings*	Ductile iron gratings*	Slotted gratings*	Mesh gratings*	Perforated gratings*
A 15			100, 200	100	100
B 125				100, 150, 200	
C 250	100, 150, 200, 300	100, 150, 200			

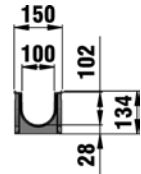
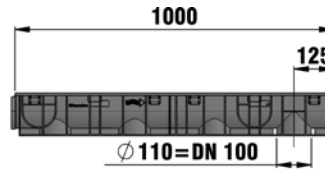
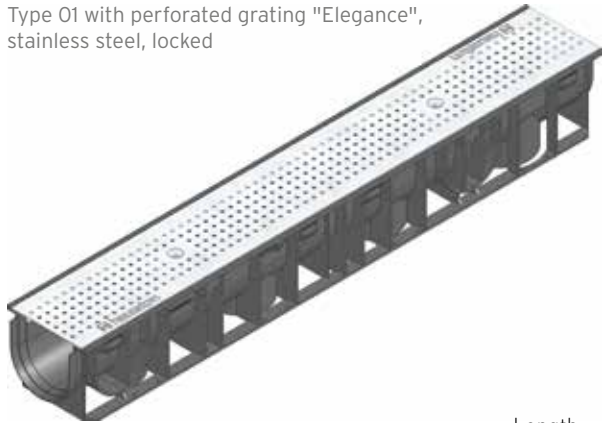
*sizes are nominal widths

RECYFIX® STANDARD 100

Combi article

RECYFIX® STANDARD 100, class A 15

Type 01 with perforated grating "Elegance", stainless steel, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with perforated grating "Elegance", stainless steel, locked	1000	150	134	92	102	3,9	41240
Type 0105 with perforated grating "Elegance", stainless steel, locked	500	150	134	92	102	2,0	41247
Type 010 with perforated grating "Elegance", stainless steel, locked	1000	150	185	142	102	5,4	41242
Type 01005 with perforated grating "Elegance", stainless steel, locked	500	150	185	142	102	2,7	41248
Type 60 with perforated grating "Elegance", stainless steel, locked*	1000	150	60	35	102	3,2	41244
Type 80 with perforated grating "Elegance", stainless steel, locked	1000	150	80	55	102	3,1	41246

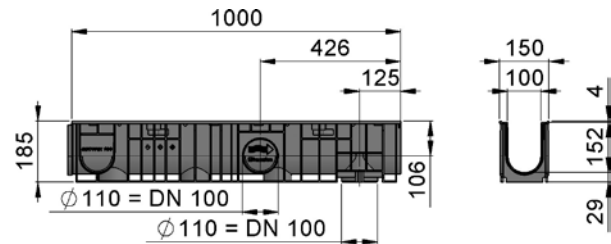
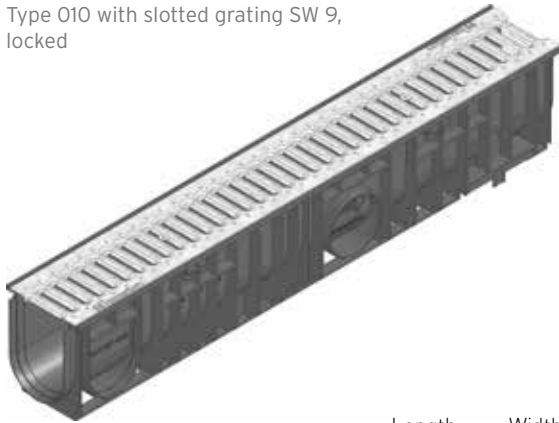
Type 60/type 80 with preformed outlet DN 70.

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX®STANDARD 100

RECYFIX®STANDARD 100, trafficable

Type 010 with slotted grating SW 9, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with slotted grating SW 9, locked	1000	150	134	92	280	3,8	40231	41200
Type 0105 with slotted grating SW 9, locked	500	150	134	92	280	1,9	40261	41207
Type 010 with slotted grating SW 9, locked	1000	150	185	142	280	5,3	40296	41202
Type 01005 with slotted grating SW 9, locked	500	150	185	142	280	2,6	40266	41208
Type 60 with slotted grating SW 9, locked*	1000	146	60	35	280	3,0	40236	41204
Type 80 with slotted grating SW 9, locked*	1000	150	80	55	280	3,1	40246	41206
Type 01 with mesh grating MW 30/10, locked	1000	150	134	92	650	4,6	40232	-
Type 0105 with mesh grating MW 30/10, locked	500	150	134	92	650	2,3	40262	-
Type 010 with mesh grating MW 30/10, locked	1000	150	185	142	650	6,6	40297	-
Type 01005 with mesh grating MW 30/10, locked	500	150	185	142	650	3,2	40267	-
Type 60 with mesh grating MW 30/10, locked*	1000	150	60	35	650	3,7	40237	-
Type 80 with mesh grating MW 30/10, locked	1000	150	80	55	650	4,3	40247	-

* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).

Type 60/type 80 with preformed outlet DN 70.

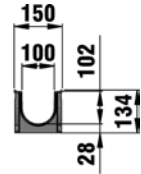
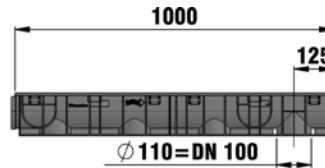
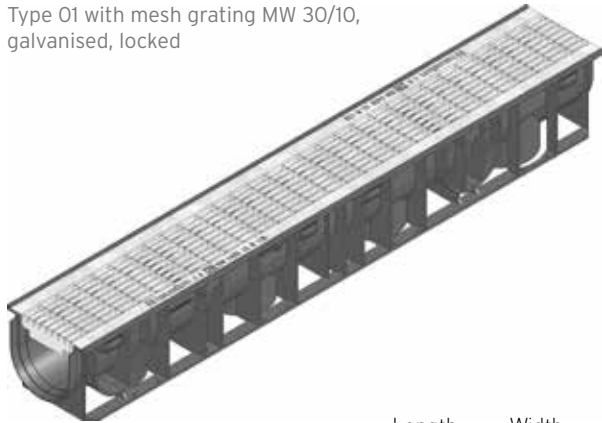
The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® STANDARD 100

Combi article

RECYFIX® STANDARD 100, class B 125

Type 01 with mesh grating MW 30/10, galvanised, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Type 01 with mesh grating MW 30/10, galvanised, locked	1000	150	134	92	650	5,1	41220	41210
Type 0105 with mesh grating MW 30/10, galvanised, locked	500	150	134	92	650	3,4	41227	41217
Type 010 with mesh grating MW 30/10, galvanised, locked	1000	150	185	142	650	6,6	41222	41212
Type 01005 with mesh grating MW 30/10, galvanised, locked	500	150	185	142	650	3,8	41228	41218
Type 60 with mesh grating MW 30/10, galvanised, locked*	1000	150	60	35	650	5,0	41224	-
Type 80 with mesh grating MW 30/10, galvanised, locked	1000	150	80	55	650	5,1	41226	41216

* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).

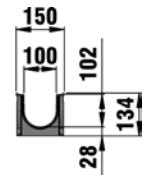
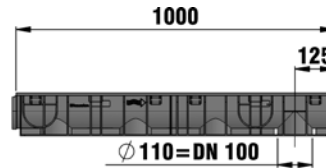
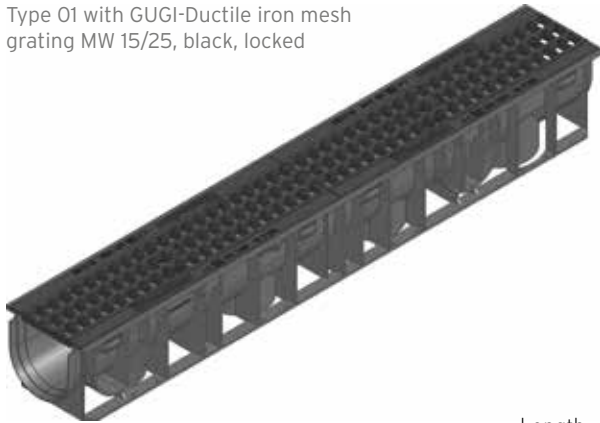
Type 60/type 80 with preformed outlet DN 70.

The quality of stainless steel material corresponds to CNS 1.4301.

RECYFIX® STANDARD 100

RECYFIX® STANDARD 100, class C 250

Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	150	134	92	444	7,1	40234
Type 0105 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	500	150	134	92	444	3,5	40264
Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	150	185	142	444	8,6	40299
Type 01005 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	500	150	185	142	444	4,3	40269
Type 60 with GUGI-Ductile iron mesh grating MW 15/25, black, locked*	1000	150	60	35	444	5,4	40239
Type 80 with GUGI-Ductile iron mesh grating MW 15/25, black, locked*	1000	150	80	55	444	5,5	40253
Type 01 with ductile iron grating SW 14, black, locked	1000	150	134	92	450	7,6	40233
Type 0105 with ductile iron grating SW 14, black, locked	500	150	134	92	450	3,8	40263
Type 010 with ductile iron grating SW 14, black, locked	1000	150	185	142	450	9,1	40298
Type 01005 with ductile iron grating SW 14, black, locked	500	150	185	142	450	4,5	40268
Type 60 with ductile iron grating SW 14, black, locked*	1000	150	60	35	450	5,8	40238
Type 80 with ductile iron grating SW 14, black, locked*	1000	150	80	55	450	5,9	40248
Type 01 with ductile iron grating, SW 6 mm, locked	1000	150	134	92	290	8,6	41230
Type 0105 with ductile iron grating, black, SW 6 mm, locked	500	150	134	92	290	4,3	41237
Type 010 with ductile iron grating, SW 6 mm, locked	1000	150	185	142	290	10,1	41232
Type 01005 with ductile iron grating, black, SW 6 mm, locked	500	150	185	142	290	5,0	41238
Type 60 with ductile iron grating, black, SW 6 mm, locked	1000	150	60	35	290	7,6	41234
Type 80 with ductile iron grating, black, SW 6 mm, locked	1000	150	80	55	290	7,7	41236

* For frequently used areas we recommend FASERFIX KS Channels shallow (see CIVILS).
Type 60/type 80 with preformed outlet DN 70.

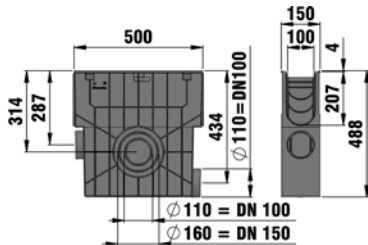
RECYFIX® STANDARD 100

Accessories

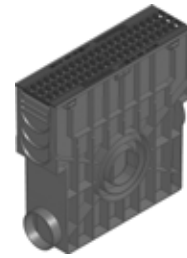
Trash boxes



Trash box with mud bucket and slotted grating, galvanised, trafficable, locked



Trash box with plastic bucket, with mesh grating, MW 30/10 trafficable, locked



Trash box with plastic bucket and GUGI-Ductile iron mesh grating MW 15/25, black, class C 250, locked

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
Trash box with plastic bucket, with perforated grating, stainless steel, car-traffic, locked	500	150	488	5,2	-	41249
Trash box with mud bucket and slotted grating, galvanised, trafficable, locked	500	150	488	5,2	48055	48056
Trash box with plastic bucket, with mesh grating, MW 30/10 trafficable, locked	500	150	488	5,6	48057	-
Trash box with plastic bucket, with mesh grating, MW 30/10, class B 125, locked	500	150	488	5,8	48059	48058
Trash box with plastic bucket and GUGI-Ductile iron mesh grating MW 15/25, black, class C 250, locked	500	150	488	6,6	40259	-
Trash box with plastic bucket, ductile iron grating SW 14, black, class C 250, locked	500	150	488	7,1	48053	-
Trash box with plastic bucket, ductile iron grating SW 6, black, class C 250, locked	500	150	488	7,5	48054	-

The quality of stainless steel material corresponds to CNS 1.4301.

End caps



End cap, closed for type 01



End cap closed for type 010



End cap combined made of PP with outlet DN/OD 110, type 010

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap, closed for type 01	-	150	108	-	48081
End cap with outlet DN/OD 110 for type 01	-	148	185	0,1	48091
End cap closed for type 010	-	150	160	-	40282
End cap combined made of PP with outlet DN/OD 110, type 010	-	148	185	0,1	40283
End cap closed, made of PP, for type 60	-	147	44	-	40284
End cap closed, made of PP, for Type 80	-	147	64	-	40291

RECYFIX® STANDARD 100

Further accessories



Foul air trap, vertical, DN/OD 110



Foul air trap set, vertical DN/OD 110 for RECYFIX 100



Foul air trap for RECYFIX trash box 100



Mud bucket vertical DN/OD 110, black



Step Fall Adapter for step slope, from type 01 to type 010

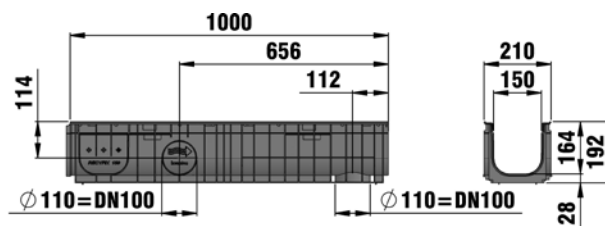
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
Foul air trap, horizontal, with rubber sealing, black	-	-	-	0,1	966
Foul air trap for RECYFIX trash box 100	75	78	135	0,1	967
Mud bucket vertical DN/OD 110, black	100	100	85	-	40293
Step Fall Adapter for step slope, from type 01 to type 010	174	98	92	0,2	41290
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

RECYFIX® STANDARD 150

Combi article

RECYFIX® STANDARD 150, class A 15

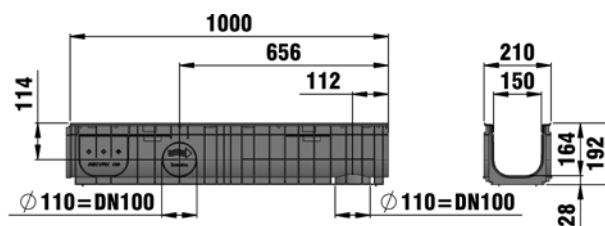
Type 01 with slotted grating, galvanised, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with slotted grating, galvanised, locked	1000	210	192	225	390	5,2	40164
Type 0105 with slotted grating, galvanised	500	210	192	225	390	2,7	40147
Type 100 with slotted grating, galvanised, locked	1000	210	100	116	390	4,6	40165

RECYFIX® STANDARD 150, class B 125

Type 01 with mesh grating MW 30/30, galvanised, locked

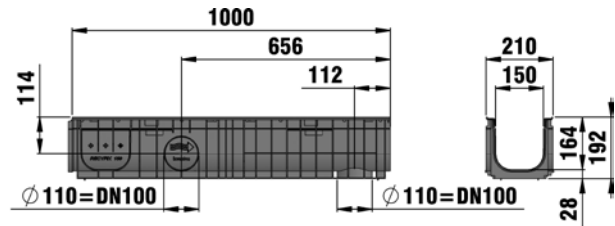
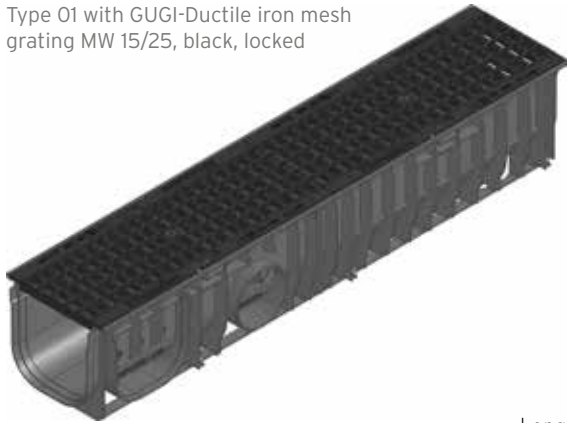


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with mesh grating MW 30/30, galvanised, locked	1000	210	192	225	1081	7,7	40171
Type 0105 with mesh grating MW 30/30, galvanised, locked	500	210	192	225	1081	3,9	40146
Type 100 with mesh grating MW 30/30, galvanised, locked	1000	210	100	116	1081	6,8	40135
Type 01 with mesh grating MW 30/10, galvanised, locked	1000	210	192	225	1098	8,7	40177
Type 0105 with mesh grating MW 30/10, galvanised, locked	500	210	192	225	1098	4,5	40148
Type 100 with mesh grating MW 30/10, galvanised, locked	1000	210	100	116	1098	7,8	40136

RECYFIX®STANDARD 150

RECYFIX®STANDARD 150, class C 250

Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked

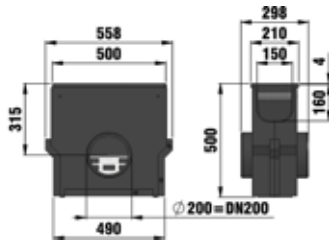


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	210	192	225	745	13,5	40174
Type 0105 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	500	210	192	225	745	6,0	40149
Type 100 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	210	100	116	745	11,6	40141
Type 01 with ductile iron grating black, SW 6 mm, locked	1000	210	192	225	400	14,0	40176
Type 0105 with ductile iron grating black, SW 6 mm, locked	500	210	192	225	400	8,8	40150
Type 100 with ductile iron grating black, SW 6 mm, locked	1000	210	100	116	400	13,0	40137

RECYFIX® STANDARD 150

Accessories

Trash boxes



Trash box with galvanised bucket, with mesh grating MW 30/10, galvanised, class B 125, locked

Trash box with galvanised bucket with GUGI-Ductile iron mesh grating MW 15/25, black, class C 250, locked

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with slotted grating, cl. A 15, galvanised	500	210	500	17,0	40155
Trash box with galvanised bucket, with mesh grating MW 30/30, galvanised, class B125, locked	500	210	500	20,0	40154
Trash box with galvanised bucket, with mesh grating MW 30/10, galvanised, class B 125, locked	500	210	500	17,8	40156
Trash box with galvanised bucket with GUGI-Ductile iron mesh grating MW 15/25, black, class C 250, locked	500	210	500	19,6	40153
Trash box with galvanised mud bucket, with ductile iron grating black, SW 6 mm, locked	500	210	500	21,0	40157

End caps



End cap combined made of PP with outlet DN 70/100, Type 01

End cap closed, type 100

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap combined made of PP with outlet DN 70/100, Type 01	-	210	203	0,1	40191
End cap closed, type 100	-	208	100	-	40190

RECYFIX®STANDARD 150

Further accessories



Foul air trap, vertical,
DN/OD 110



Foul air trap set, vertical
DN/OD 110 for RECYFIX
100

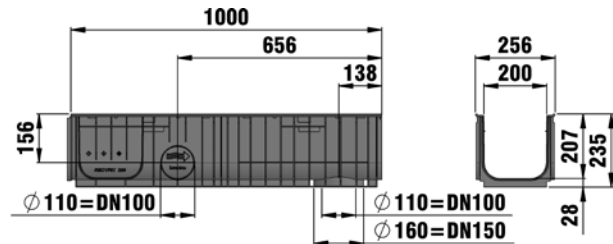
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

RECYFIX® STANDARD 200

Combi article

RECYFIX® STANDARD 200, class A 15

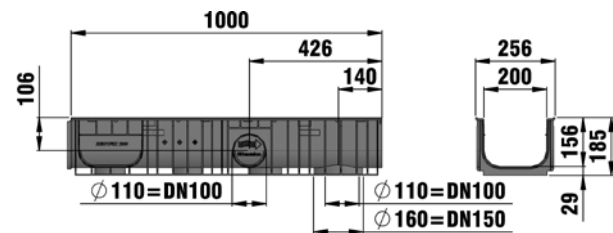
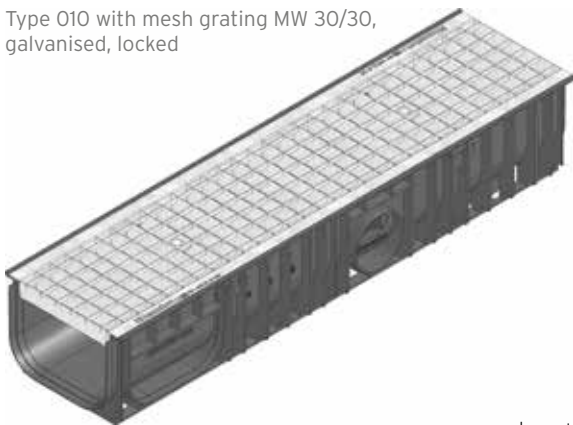
Type 020 with slotted grating,
locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with slotted grating, locked	1000	256	185	290	390	6,3	40648
Type 020 with slotted grating, locked	1000	256	235	366	390	6,8	40649
Type 100 with slotted grating, locked	1000	256	100	150	390	5,4	40647

RECYFIX® STANDARD 200, class B 125

Type 010 with mesh grating MW 30/30,
galvanised, locked

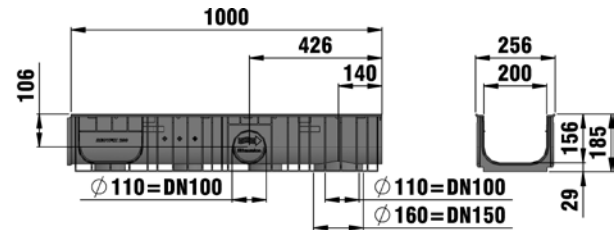
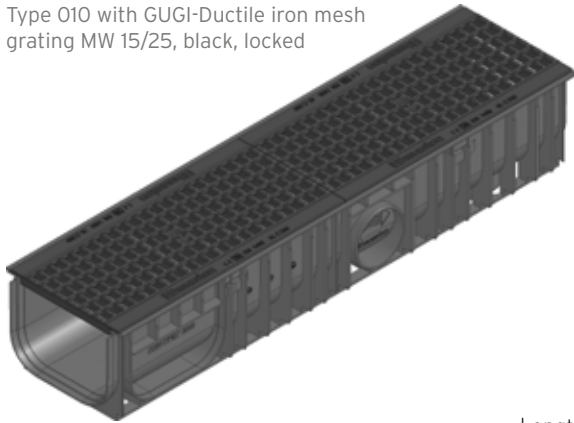


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with mesh grating MW 30/30, galvanised, locked	1000	256	185	290	1620	9,3	40672
Type 020 with mesh grating MW 30/30, galvanised, locked	1000	256	235	366	1620	10,2	40676
Type 100 with mesh grating MW 30/30, galvanised, locked	1000	256	100	150	1620	8,3	40635
Type 010 with mesh grating MW 30/10, galvanised, locked	1000	256	185	290	1442	11,2	40685
Type 020 with mesh grating MW 30/10, galvanised, locked	1000	256	235	366	1442	11,3	40686
Type 100 with mesh grating MW 30/10, galvanised, locked	1000	256	100	150	1442	10,1	40636

RECYFIX®STANDARD 200

RECYFIX®STANDARD 200, class C 250

Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked

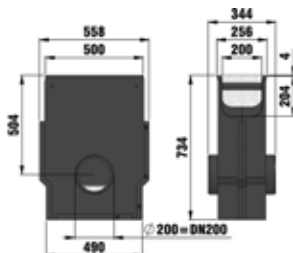


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	256	185	290	825	15,4	40665
Type 020 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	256	235	366	825	15,8	40666
Type 100 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	256	100	150	825	14,1	40641
Type 010 with ductile iron grating 2 x 85/20, black, locked	1000	256	185	290	822	15,0	40660
Type 020 with ductile iron grating 2 x 85/20, black, locked	1000	256	235	366	822	15,4	40661
Type 100 with ductile iron grating, SW 20.5, black, locked	1000	256	100	150	822	13,9	40640
Type 010 with ductile iron grating, SW 6 mm, locked	1000	256	185	290	656	17,6	40688
Type 020 with ductile iron grating, SW 6 mm, locked	1000	256	235	366	656	18,1	40689
Type 100 with ductile iron grating, SW 6 mm, locked	1000	256	100	150	656	16,7	40687

RECYFIX® STANDARD 200

Accessories

Trash boxes



Trash box with mesh grating
MW 30/30, galvanised, cl. B 125,
locked

Trash box with GUGI-Ductile
iron mesh grating MW 15/25,
black, cl. C 250, locked

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with galvanised mud bucket and slotted grating, galvanised, class A 15, locked	500	256	734	28,0	40658
Trash box with mesh grating MW 30/30, galvanised, cl. B 125, locked	500	256	734	27,0	40656
Trash box with mesh grating MW 30/10, galvanised, cl. B 125, locked	500	256	734	28,6	40657
Trash box with GUGI-Ductile iron mesh grating MW 15/25, black, cl. C 250, locked	500	256	734	30,8	40653
Trash box with ductile iron grating 2 x 85/20, black, class C 250, locked	500	256	734	30,6	40654
Trash box with galvanised mud bucket and ductile iron grating, SW 6 mm, locked	500	256	734	32,3	40693

The quality of stainless steel material corresponds to CNS 1.4301.

End caps



End cap combined made of PP
closed / with outlet DN/OD 110,
Type 010

End cap closed,
Type 01

	Length mm	Width mm	Height mm	Weight kg	Item-No. galvanised	Item-No. stainless steel
End cap combined made of PP closed / with outlet DN/OD 110, Type 010	-	254	199	0,2	40792	-
End cap closed, Type 01	-	260	275	1,1	12081	12581
End cap closed, type 100	-	262	100	0,1	40690	-

RECYFIX®STANDARD 200

Further accessories



Foul air trap, vertical, DN/OD 110



Foul air trap set, vertical DN/OD 110 for RECYFIX 100



Step Fall Adapter for step slope, from type 010 to type 020

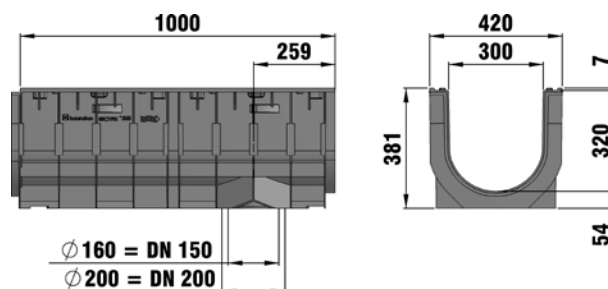
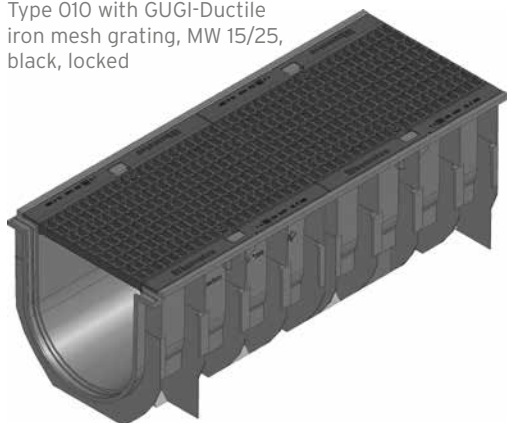
	Length mm	Width mm	Height mm	Weight kg	Item No.
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,4	40294
Step Fall Adapter for step slope, from type 010 to type 020	218	200	99	0,4	49590
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

RECYFIX® STANDARD 300

Combi article

RECYFIX® STANDARD 300, class C 250

Type 010 with GUGI-Ductile iron mesh grating, MW 15/25, black, locked



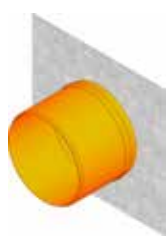
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg	Item No.
Type 01 with GUGI-Ductile iron mesh grating, MW 15/25, black, locked	1000	350	292	725	1385	29,1	40870
Type 010 with GUGI-Ductile iron mesh grating, MW 15/25, black, locked	1000	420	381	857	1385	33,2	40875

Accessories

End caps



End cap closed, galvanised, type 01



End cap with vertical UPVC outlet, galvanised, type 01

	Length mm	Width mm	Height mm	Weight kg	Item No.
End cap closed, galvanised, Type 01	-	360	340	1,8	40882
End cap closed, galvanised, Type 010	-	420	380	2,8	40881
End cap with vertical UPVC outlet, galvanised, Type 01	-	360	340	2,3	40892
End cap with horizontal UPVC-outlet DN/OD 200, galvanised, Type 010	-	420	380	3,1	40891

Further accessories

	Length mm	Width mm	Height mm	Weight kg	Item No.
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054

Your way to the tender text on **hauraton.com**

1 a) Product known

- Go to the product page.



b) Product unknown

- Go to the specification tool.



- choose application
- choose field of application, loading capacity and nominal size
- select from the proposed systems / items

2 Choose required format and add it to your documents



3 Download tender text

- Go to „My documents“.



Slotted Channels

Slotted channels for design-sensitive applications.





Slotted Channels

Slotted channels for design-sensitive applications.

1 Requirements

For the drainage of areas with architectural demands

- the surface drainage has to be discreetly hidden
- processing of all standard surface layers and stone slabs should be possible
- the surface water needs to be drained reliably

2 Application areas

- for areas and facades with high optical demands
- especially in public and commercial areas

3 Solutions

Therefore Slotted channels are suitable for the drainage of areas with architectural demands:

- only with the visible slot (narrow line) on the surface the clear elegance and significance is reached
- for all common surface layers and even asphalt
- allows to design a project in a uniform design
- functional requirements are completely met
- easy access to channel run through access cover
- slotted gratings made of galvanised or stainless steel



162 Mercedes-Benz Arena in Berlin, Germany



Town centre Vieux Boucau in France



Phoenix Sea in Dortmund, Germany



Kocherquartier, Schwäbisch Hall, Germany



Town hall square in Esch-sur-Alzette, France



Town hall square in Alicante, Spain

- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X

The benefits of **Slotted Channels**



Individual Solutions

- slotted covers made of galvanised or stainless steel
- symmetrical and asymmetrical versions
- individual slotted covers with modified neck height, crossbars in the slot and more designs possible
- easy preparation of corner connections possible

= **flexibility**

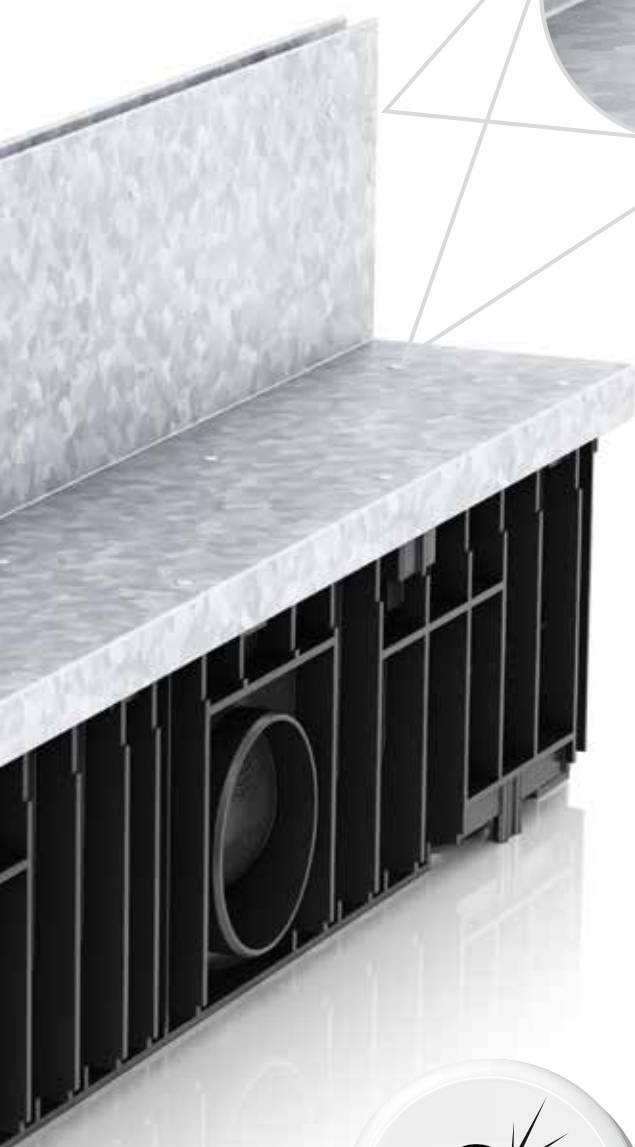


Easy installation

- easy handling and installation
- integrated tongue and groove connection of channels and covers - allows an easy installation without long adjustment

= **cost reduction**





Technical features of the covers

- slotted covers are riveted, that means no rusting of welded joints
- strengthened slot edge
- reinforcements under the cover and material thickness provide perfect balance between weight and stability

= quality / security



Connection possibilities

- access covers fit on channels and trash boxes
- connection to sewage pipes are possible from trash box and channels (from the side or bottom)

= flexibility



Attractive product

- perfectly designed drainage line blends in harmoniously with its surroundings - slot width 12.5 mm for pedestrian areas.

= uniqueness / exclusiveness / originality

RECYFIX®PRO
RECYFIX®PLUS
RECYFIX®STANDARD
Slotted Channels
TOP X

Slotted Channels

Slotted channels for design-sensitive applications.

Slotted channels meet the requirements of DIN EN 1433 and are suitable for the following load categories:



Category A 15, Load class 15 kN

Trafficked areas, which are exclusively used by pedestrians and cyclists



Category B 125, Load class 125 kN

Sidewalks, pedestrian areas and comparable areas, car parks or car parking decks



Category C 250, Load class 250 kN

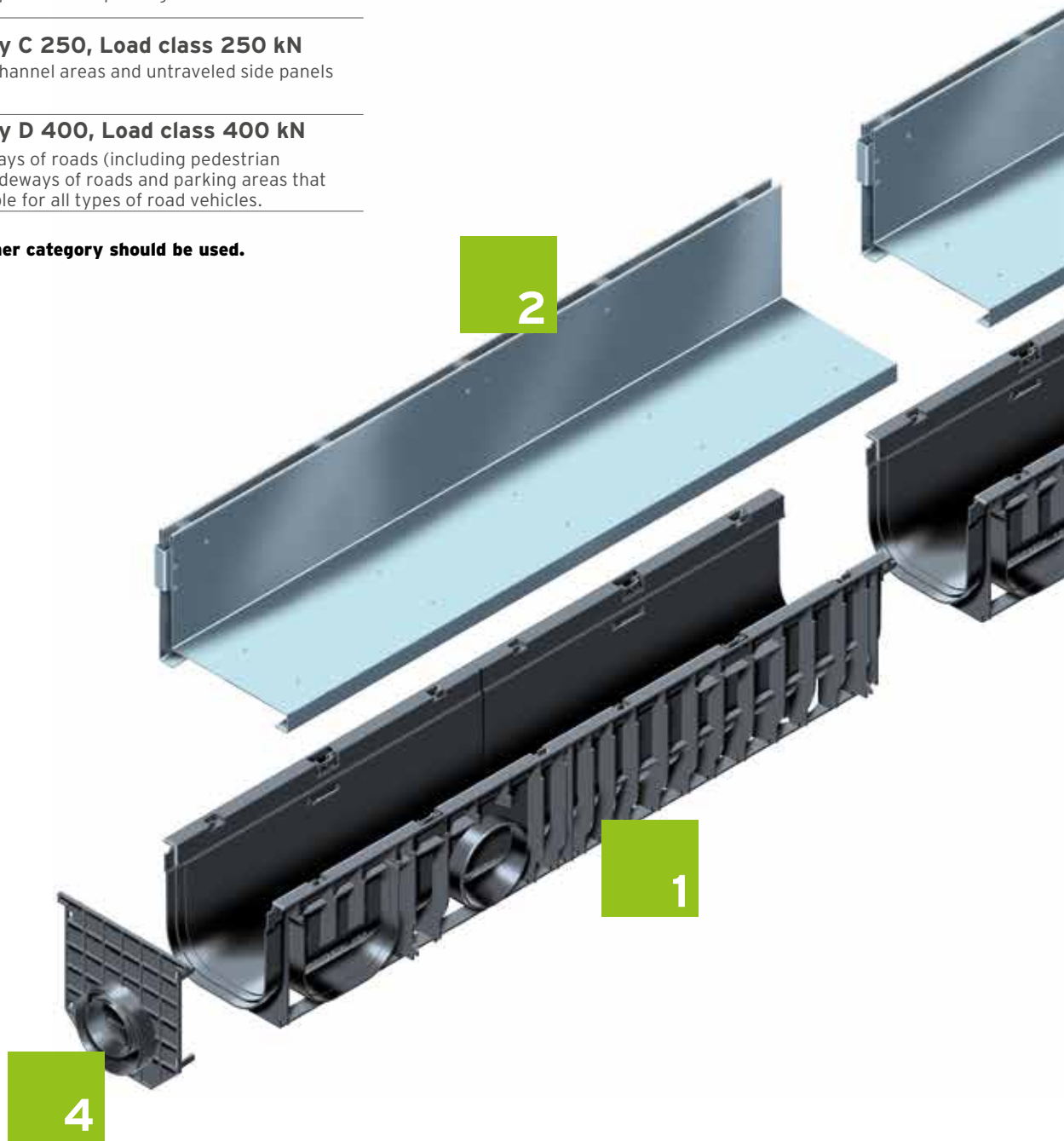
Sidewalk channel areas and untraveled side panels or similar

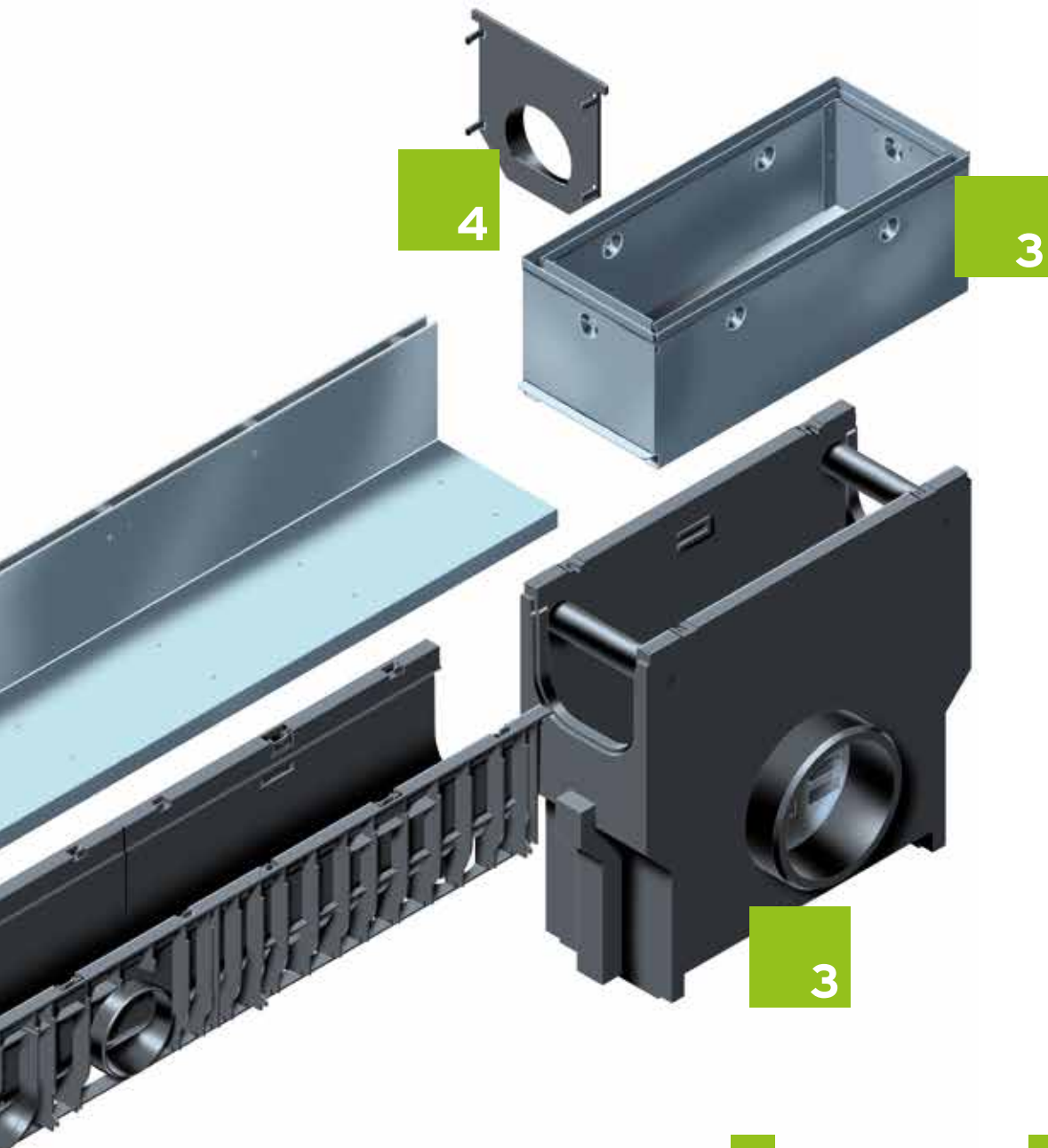


Category D 400, Load class 400 kN

Carriageways of roads (including pedestrian streets), sideways of roads and parking areas that are passable for all types of road vehicles.

If in doubt, the higher category should be used.





1

■ Channels made of PP in nominal sizes 100 and 150, with tongue and groove connection for exact installation

2

■ Symmetrical or asymmetrical covers made of galvanised or stainless steel

3

■ Trash box with pipe connection possibility, with fitting access cover

4

■ End caps with or without outlets

RECYFIX®PRO

RECYFIX®PLUS

RECYFIX®STANDARD

Slotted Channels

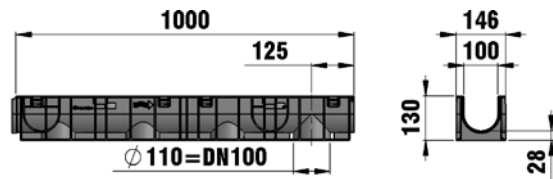
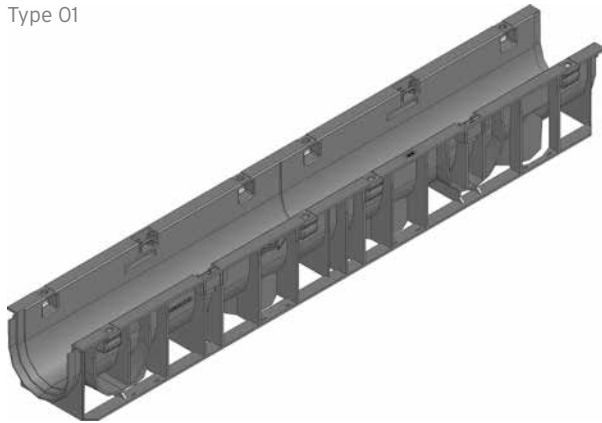
TOP X

Slotted Channel 100

Channels

RECYFIX®STANDARD 100

Type 01



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Weight kg	Item No.
Type 01	1000	146	130	92	1,9	48200
Type 0105, blank	500	146	130	92	1,2	48249
Type 010	1000	147	181	142	2,5	40321

Other heights on request.

Slotted Channel 100

Gratings

Slotted Covers 100, neck height 100, class A 15



Asymmetric



Symmetric



Access cover asymmetric



Access cover symmetric

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetric	1000	160	136	125	4,6	5615	5665
Asymmetric	500	160	136	125	3,1	5616	5666
Symmetric	1000	160	136	125	4,6	5715	5765
Symmetric	500	160	136	125	2,2	5716	5766
Access cover asymmetric	500	160	128	7,0	7,0	5640	5690
Access cover symmetric	500	160	128	7,0	7,0	5740	5790
Extraction bail for access covers (2 pieces required)	-	400	150	0,8	0,8	740	-

The quality of stainless steel material corresponds to CNS 1.4301.

Slotted Covers 100, neck height 160, class C 250



Asymmetric



Symmetric



Access cover asymmetric

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetric	1000	160	196	125	8,2	5725	5775
Asymmetric	500	160	196	125	4,1	5726	5776
Symmetric	1000	160	196	125	8,2	5721	5771
Symmetric	500	160	196	125	4,1	5722	5772
Access cover asymmetric	500	160	188	7,1	7,1	5756	5786
Access cover symmetric	500	160	188	8,0	8,0	5746	5796
Extraction bail for access covers (2 pieces required)	-	400	150	0,8	0,8	740	-

Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30 m.
The quality of stainless steel material corresponds to CNS 1.4301.

Slotted Channel 100

Gratings

Slotted Covers 100, neck height 200, class D 400*



Asymmetric



Symmetric



Access cover asymmetric

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetric	1000	160	232	180	18,2	5825	5875
Asymmetric	500	160	232	180	9,2	5826	5876
Symmetric	1000	160	232	180	17,5	5821	5871
Symmetric	500	160	232	180	8,8	5822	5872
Access cover asymmetric	500	160	204	18,1	18,1	5856	5886
Access cover symmetric	500	160	204	23,4	23,4	5846	5896
Extraction bail for access covers (2 pieces required)	-	400	150	0,8	0,8	740	-

* Not for use across the carriageway of highways or motorways in moving traffic.
Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30 m.
The quality of stainless steel material corresponds to CNS 1.4301.

Slotted Channel 100

Accessories

RECYFIX®STANDARD 100 Channels



Foul air trap, vertical, DN/OD 110



Foul air trap for RECYFIX trash box 100



End cap, closed for type 01



End cap closed for type 010



End cap combined made of PP with outlet DN/OD 110, type 010

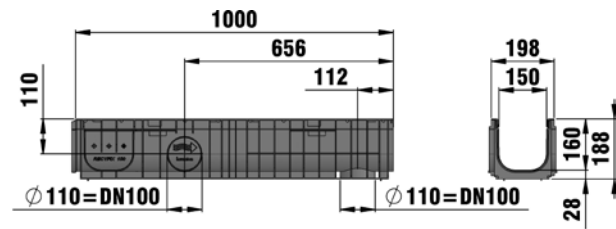
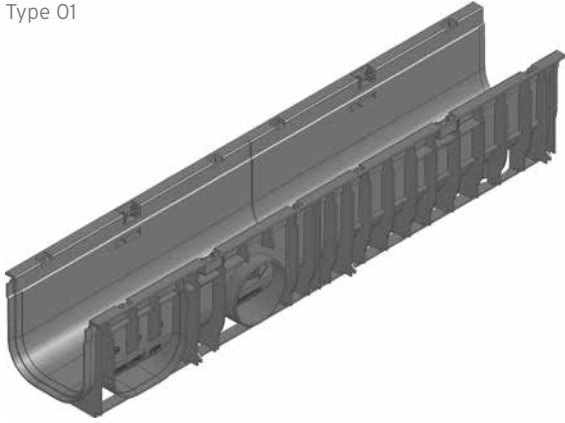
	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with mud bucket	500	143	484	4,3	48253
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
Foul air trap for RECYFIX trash box 100	75	78	135	0,1	967
End cap, closed for type 01	-	150	108	-	48081
End cap with outlet DN/OD 110 for type 01	-	148	185	0,1	48091
End cap closed for type 010	-	150	160	-	40282
End cap combined made of PP with outlet DN/OD 110, type 010	-	148	185	0,1	40283
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,6	980

Slotted Channel 100

Channels

RECYFIX®STANDARD 150

Type 01



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Weight kg	Item No.
Type 01	1000	198	188	225	2,7	41021
Type 0105, blank	500	198	188	225	1,4	41022

Slotted Channel 100

Gratings

Slotted Covers 150, neck height 160, class C 250



Asymmetric



Symmetric



Access cover asymmetric



Access cover symmetric

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetric	1000	210	196	125	8,9	452	462
Asymmetric	500	210	196	125	4,7	453	463
Symmetric	1000	210	196	125	9,1	412	422
Symmetric	500	210	196	125	4,6	413	423
Access cover asymmetric	500	210	188	7,9	7,9	476	486
Access cover symmetric	500	210	188	8,9	8,9	471	481
Extraction bail for access covers (2 pieces required)	-	400	150	0,8	0,8	740	-

Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30 m.
The quality of stainless steel material corresponds to CNS 1.4301.

Slotted Covers 150, neck height 200, class D 400*



Asymmetric



Symmetric



Access cover asymmetric



Access cover symmetric

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetric	1000	210	232	180	20,0	457	467
Asymmetric	500	210	232	180	10,1	458	468
Symmetric	1000	210	232	180	19,2	417	427
Symmetric	500	210	232	180	9,7	418	428
Access cover asymmetric	500	210	204	20,4	20,4	491	496
Access cover symmetric	500	210	204	25,7	25,7	490	495
Extraction bail for access covers (2 pieces required)	-	400	150	0,8	0,8	740	-

* Not for use across the carriageway of highways or motorways in moving traffic.
Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30 m.
The quality of stainless steel material corresponds to CNS 1.4301.

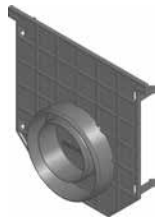
Slotted Channel 150

Accessories

RECYFIX®STANDARD 150 channels



Foul air trap, vertical,
DN/OD 110



End cap combined
made of PP with outlet
DN 70/100, Type 01

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with mud bucket and end cap	500	198	496	15,1	41062
Foul air trap, vertical, DN/OD 110	-	187	181	0,6	40295
End cap combined made of PP with outlet DN 70/100, Type 01	-	210	203	0,1	40191
RECYFIX sealing material, 290 ml	-	-	-	0,5	19053
RECYFIX primer, 250 ml	-	-	-	0,5	19054
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,6	980

Your way to the tender text on **hauraton.com**

1 a) Product known

- Go to the product page.



b) Product unknown

- Go to the specification tool.



- choose application
- choose field of application, loading capacity and nominal size
- select from the proposed systems / items

2 Choose required format and add it to your documents



3 Download tender text

- Go to „My documents“.



TOP X **NEW**

The drainage channel for private driveways, courtyards, patios and gardens.





TOP X **NEW**

The drainage channel for private driveways, courtyards, patios and gardens.

1 Requirements

Drainage channels in private areas must

- continually withstand daily loads
- be easy to transport and simple to install
- be resistant to environmental effects (frost, heat and moisture)
- be visually pleasing

2 Application areas

- predominately private areas
- garage entrances
- courtyard areas
- terraces
- gardens
- parks

3 Solutions

Because of this the new TOP X channels are very suitable for the drainage of private areas

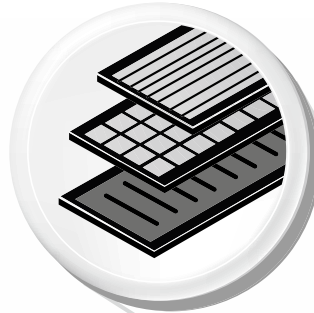
- high stability and functionality
- low weight
- preformed supports for simple pipe connection
- gratings made of recycled composite, galvanised steel or stainless steel





- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X

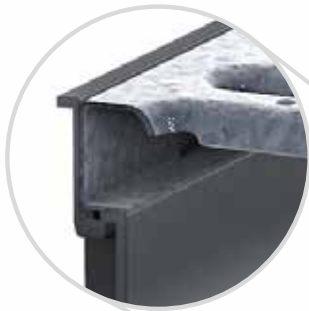
The benefits of **TOP X** channels **NEW**



Numerous design possibilities

- channels and accessories in black or silver
- different grating designs: recycled composite, galvanised steel or stainless steel

= **Flexibility**



Locking mechanism

- boltless locking by safe clamping

= **Safety**



Round channel

- better hydraulic performance

= **Safety**

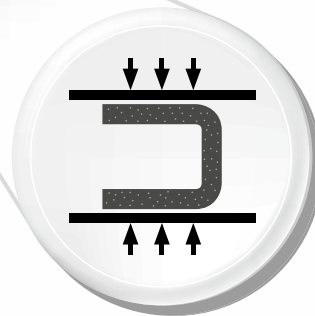
New design



Low weight ensures easy handling on site

- significantly lighter than channels made of mineral material
- especially easy to transport and process

= Cost saving



High-quality material

- robust and unbreakable
- elastic and especially resistant recycled composite
- withstands the passage of cars

= Safety



Quick installation

- easy to process
- tongue and groove system for immediate laying
- direct paving possible

= Cost saving

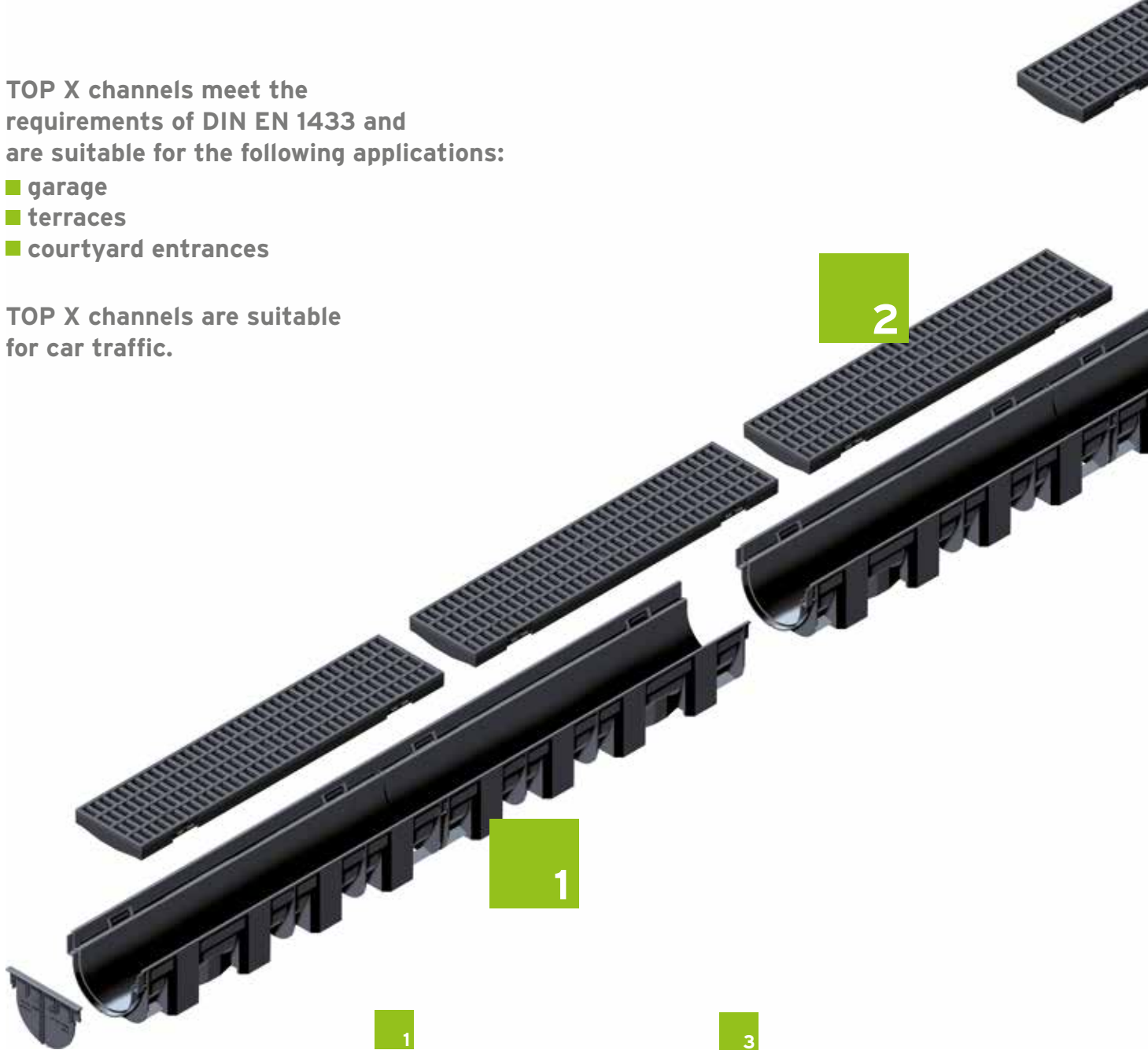
TOP X **NEW**

The drainage channel for private driveways, courtyards, patios and gardens.

TOP X channels meet the requirements of DIN EN 1433 and are suitable for the following applications:

- garage
- terraces
- courtyard entrances

TOP X channels are suitable for car traffic.



1

■ Channels made of PP recycled composite, according to EN 1433, CE-conform, with tongue and groove connection for exact installation

2

■ various grating options - made of recycled composite (black or silver), galvanised steel or stainless steel

3

■ various connection possibilities through channel or universal box with or without leaf collector and foul air trap

4

■ TOP X universal box can be used as corner unit or trash box with or without foul air trap

5

■ closed end caps

Gratings made of recycled composite or stainless steel are 100% corrosion free.



Complete accessories with assembly instruction: (available in black or silver)

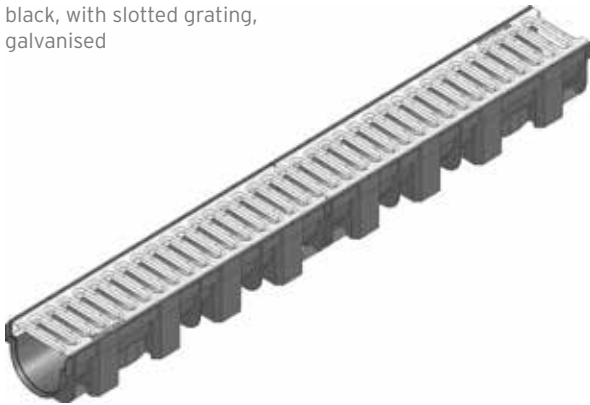
for TOP X channel		for TOP X universal box		
Connection set for channel with end caps, adapter, black, including assembly instruction, Item No. 44340	Connection set for channel with end caps, leaf trap, adapter, foul air trap, black, including assembly instruction, Item No. 44343	TOP X universal box as corner unit, including assembly instruction Item No. 44360	TOP X universal box, black, with connection set, end caps, leaf trap, foul air trap, including assembly instruction Item No. 44346	Foul air trap for TOP X universal box, Item No. 44349

RECYFIX®PRO
RECYFIX®PLUS
RECYFIX®STANDARD
Slotted Channels
TOP X

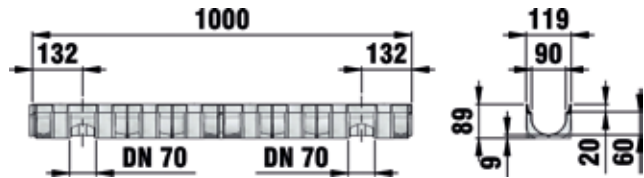
TOP X **NEW**

TOP X, combi article, PP channel with grating

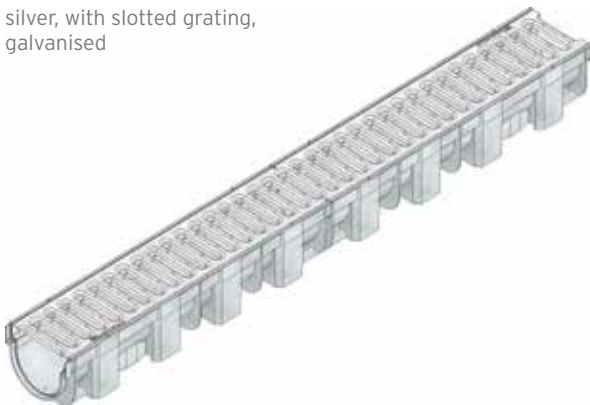
black, with slotted grating,
galvanised



Sectional drawing of Top X



silver, with slotted grating,
galvanised

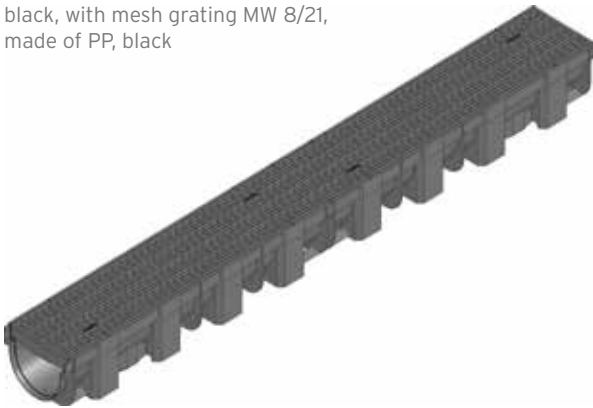


	Length mm	Width mm	Height mm	Drainage cross sec- tion cm ²	Intake cross section cm ² /m	Weight kg	Item No.
black, with slotted grating, galvanised	1000	119	89	45	256	1,9	44300
black, with slotted grating, stainless steel	1000	119	89	45	256	1,9	44303
silver, with slotted grating, galvanised	1000	119	89	45	256	1,9	44332
silver, with slotted grating, stainless steel	1000	119	89	45	256	1,9	44333

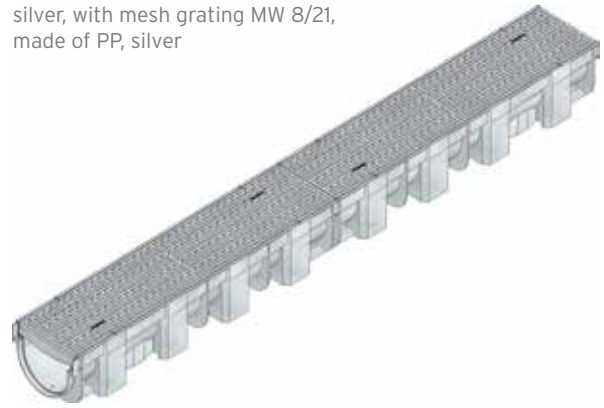
TOP X **NEW**

TOP X, combi article, PP channel with grating

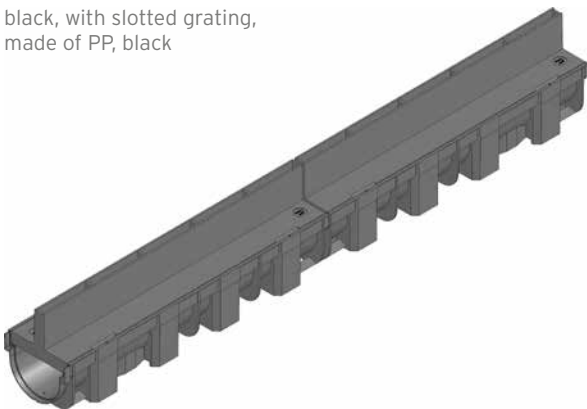
black, with mesh grating MW 8/21,
made of PP, black



silver, with mesh grating MW 8/21,
made of PP, silver



black, with slotted grating,
made of PP, black



	Length mm	Width mm	Height mm	Drainage cross sec- tion cm ²	Intake cross section cm ² /m	Weight kg	Item No.
black, with mesh grating MW 8/21, made of PP, black	1000	119	89	45	505	1,6	44320
silver, with mesh grating MW 8/2, made of PP, silver	1000	119	89	45	505	1,6	44325
black, with slotted cover, made of PP, black	1000	119	147	45	118	1,5	44335

RECYFIX®PRO

RECYFIX®PLUS

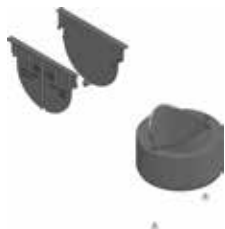
RECYFIX®STANDARD

Slotted Channels

TOP X

TOP X **NEW**

TOP X, Accessories



Connection set for channel with end caps, adapter, black, including assembly instruction



Connection set for channel with end caps, adapter, silver, including assembly instruction



Connection set for channel with end caps, leaf trap, adapter, foul air trap, silver, including assembly instruction



TOP X universal box as corner unit, black, including assembly instruction



TOP X universal box as corner unit, silver, including assembly instruction



TOP X universal box, black, with connection set, end caps, leaf trap, foul air trap, including assembly instruction



Foul air trap for TOP X universal box



TOP X access cover for slotted grating, galvanised

	Length mm	Width mm	Height mm	Weight kg	Item No.
Connection set for channel with end caps, adapter, black, including assembly instruction	-	-	-	0,1	44340
Connection set for channel with end caps, adapter, silver, including assembly instruction	-	-	-	0,1	44341
Connection set for channel with end caps, leaf trap, adapter, foul air trap, black, including assembly instruction	-	-	-	0,5	44343
Connection set for channel with end caps, adapter, foul air trap, silver, including assembly instruction	-	-	-	0,5	44344
TOP X universal box as corner unit, black, including assembly instruction *	137	137	125	0,2	44360
TOP X universal box as corner unit, silver, including assembly instruction *	137	137	125	0,2	44365
TOP X universal box, black, with connection set, end caps, leaf trap, foul air trap, including assembly instruction	-	-	-	0,7	44346
TOP X universal box, silver, with connection set, end caps, leaf trap, foul air trap, including assembly instruction	-	-	-	0,7	44347
Foul air trap for TOP X universal box	-	-	-	0,1	44349
TOP X access cover for slotted cover, galvanised	500	124	58	3,5	44390

*additionally required Item No. 44340, 44341, 44343 or 44344

TOP X **NEW**

Quick and easy installation



Produce trench in which to lay channel with frost resistant sub base.



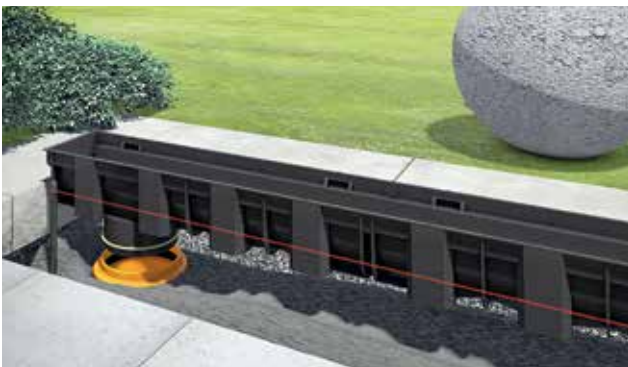
Fill with concrete and compress to foundation.



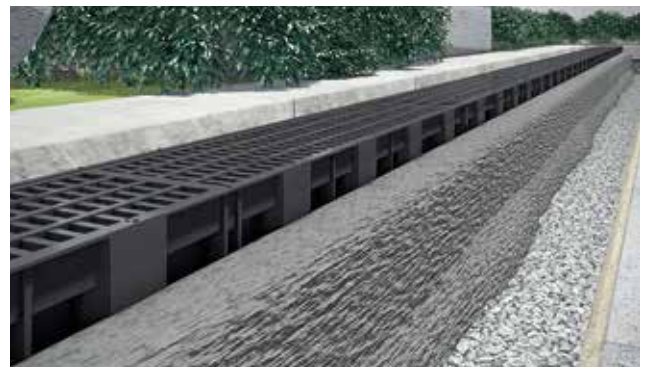
Produce connection openings.



Fit accessories.



Lay channels.



Haunch the concrete.



Install surface coating.



TOP X installation videos.

- RECYFIX®PRO
- RECYFIX®PLUS
- RECYFIX®STANDARD
- Slotted Channels
- TOP X



Additional drainage solutions

SPORTFIX® Channels

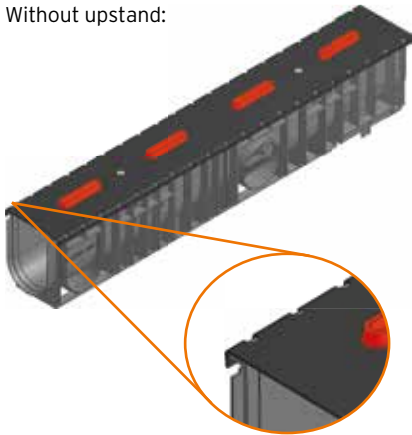


Perfect drainage channels for IAAF accredited sports facilities.

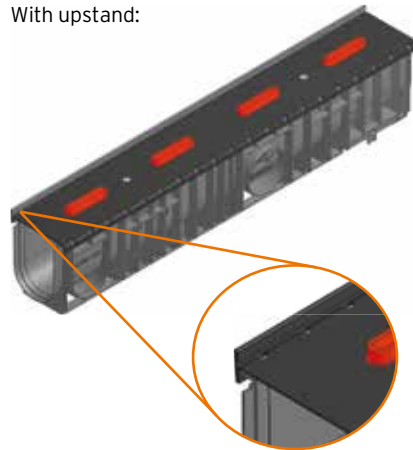
SPORTFIX® Slotted Channels

- variety of different ways of draining surfaces and running tracks
- channels made from recycled PP
- CDP-coating to ensure a perfect connection with the running track surface
- EPDM slots that are easily opened using a screwdriver once the track surface has been laid

Without upstand:



With upstand:

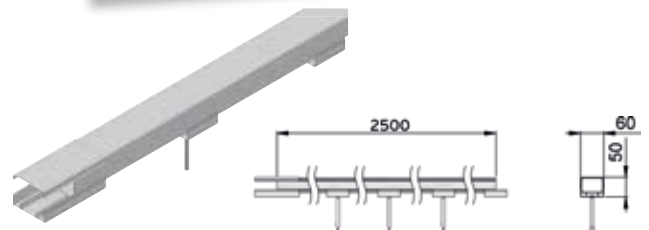


SPORTFIX® Aluminium Curbings

Many various events that are held at sport facilities often require moveable boundaries. Such boundaries may be provided and removed easily with SPORTFIX Aluminium Curbings.

The SPORTFIX Aluminium Curbings are suitable for usage as a mobile border for the running track as well as a cover for slotted channels. They are manufactured as a complete unit with integrated push-in elements and fixing pegs.

Product complies with IAAF guidelines



SPORTFIX® Channel BASEL

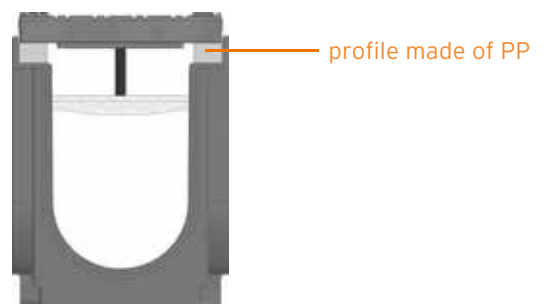
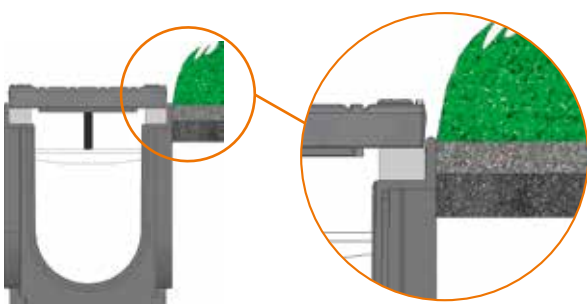


Drainage solution for filled artificial turfs - the filling material remains securely in the turf.

SPORTFIX® Channel Basel

The SPORTFIX channels BASEL are for artificial turf with filled pole layer. The turf meets the grating exactly and finishes at the same level, forming a continuous surface. The grating of the channel functions as a stop edge for the artificial turf which abuts to it. This ensures that the turf covering remains securely in place. With the help of a special construction the gratings are positioned just above the top edge of the angle housing and are securely fastened. This creates a gap between the grating and the top edge of the angle housing.

In the case of heavy rainfall events the storm water can now flow into the channel directly at the artificial turf surface. However, there is also a second drainage level to deal with that scenario. Any surface water that has infiltrated the turf can also run, without any threshold, into the channel but not the infill material of the artificial turf. The described gap above ensures this scenario.



St. Jakob-Park, Basel, Switzerland

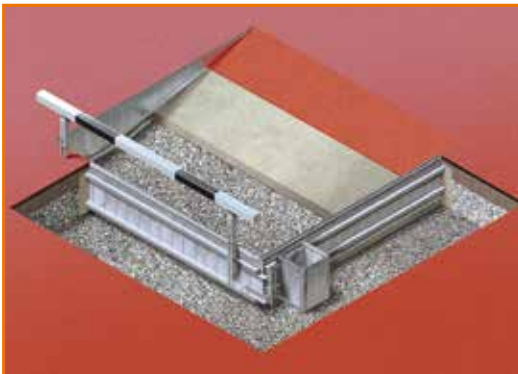


St. Jakob-Park, Basel, Switzerland



St. Jakob-Park, Basel, Switzerland

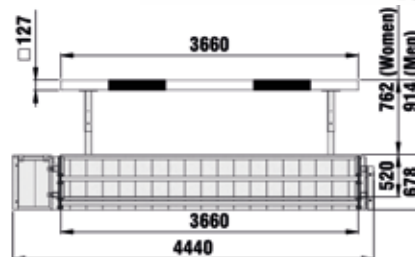
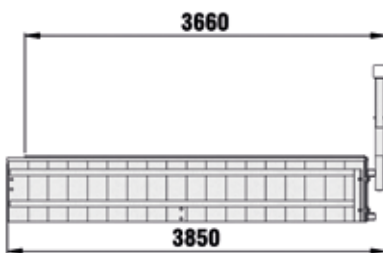
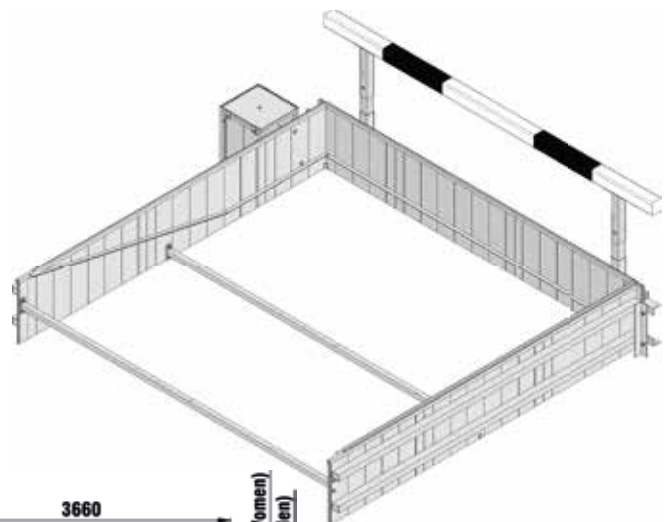
SPORTFIX® Water Jump Aluminium



Water jump for steeplechases in accordance with IAAF requirements.
Modular construction for quick and easy assembling.

SPORTFIX® Water Jump Aluminium

- prefabricated wall panels made of aluminium double hollow profiles
- additional shaft for water fittings
- including hurdles



Cover for water jump. Subsequent filling with the running track surface is possible.



Underframe for cover



SPORTFIX Water jump with water

SPORTFIX® Cable ducts

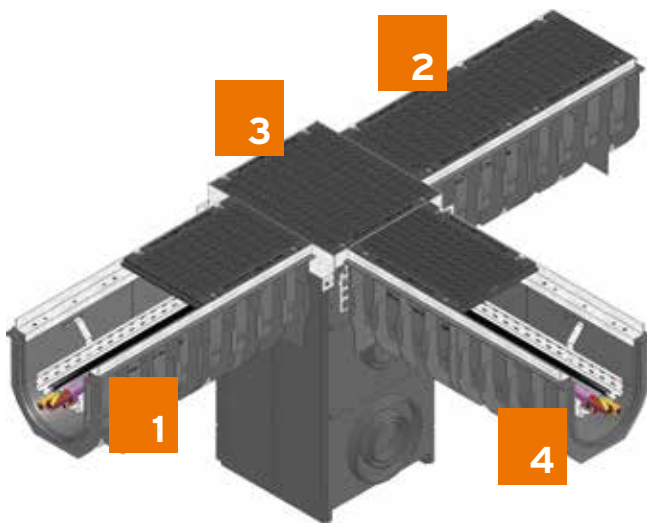


Cable management system.

For the safe management of power and telecommunication cables at stadiums and race tracks. Suitable for industrial applications.

SPORTFIX® Cable ducts

- nominal size 100 and 300
- with solid ductile iron gratings in class E 600
- robust, non-slip grating



1
■ RECYFIX SERVICE Channel made of Polypropylene with galvanised ductile iron angle housing

2
■ Solid ductile iron cover, black, class E 600

3
■ Trash box for the connection of corner and T-junctions

4
■ Cable duct to lay cables inside



Emirates Stadium, London, UK



Wembley Stadium, London, UK

RECYFIX®GREEN



Turf honeycomb for infiltration of rainwater in parking areas.

RECYFIX®GREEN

- 100% recycled material with very high flexibility
- stable and breakproof
- extremely lightweight and hence easy to transport and lay
- integrated anchors and mutual latching keep the blocks together
- can be additionally fastened with anchoring pegs
- weather-resistant and durable

Different Versions

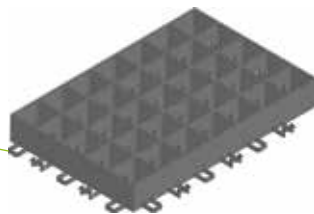
RECYFIX®GREEN SUPER

- massive construction for higher dynamic load
- different materials (gravel, chippings, stone, earth, turf) can be used for filling

Safely anchored to the ground



RECYFIX GREEN SUPER blocks are equipped with integral anchors that ensure safe positioning on the ground. Where the blocks are laid on sloping ground or embankments, additional anchoring is possible with Anchoring pegs.



RECYFIX®GREEN STANDARD

- for parking areas with low dynamic loads
- turf planted areas
- protection against erosion, stable turf

RECYFIX anchoring peg

RECYFIX marking dots



Application examples **RECYFIX®GREEN SUPER**



Millpark Residential area in Dublin, Ireland



Millpark Residential area in Dublin, Ireland

Application examples **RECYFIX®GREEN STANDARD**



Terra Botanica in Angers, France



Company parking area Rabomatik in Győr, Hungary

LINEFIX®



Effective border edging for garden and park areas.

LINEFIX®

- easy to install, without digging a trench and foundations
- can be installed much easier than concrete edgings
- visually unobtrusive and yet very effective edging
- can be installed in straight lines or in curves and bends
- can be made in different materials: PE-PP, galvanised steel or stainless steel
- different radii, also close to borders 1 m radius

Different Versions

LINEFIX®SUPER DBGM

These borders feature a connector flange at one end so that they can be fitted to each other via connection strap.

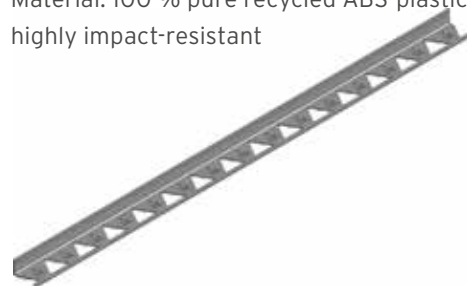


LINEFIX®STANDARD

Material: 100 % pure recycled HD-PE, highly impact-resistant, UV-stabilised

Anchor peg

Material: 100 % pure recycled ABS-plastic, highly impact-resistant



Application examples **RECYFIX®GREEN SUPER**



Public square in Germany



Commercial centre ATOLL
in Beaucouze, France



Commercial centre ATOLL
in Beaucouze, France



Commercial centre ATOLL
in Beaucouze, France

AQUAFIX® Separators



Modern separation technology for sustainable preservation of vital resources.

AQUAFIX® Separators

- highest cleaning performance
- modern materials for all demands
- up to NS 250 l/sec

Living rivers and lakes, intact groundwater resources, a secure and reliable water supply and efficient wastewater disposal are fundamental requirements for environmentally sound economic development. To avoid harming nature, contaminated water must be treated before it is allowed to flow directly or indirectly back into the natural water cycle. The mechanical separation process is designed to separate mixtures of substances. The aim is to remove one or more components of the mixture.

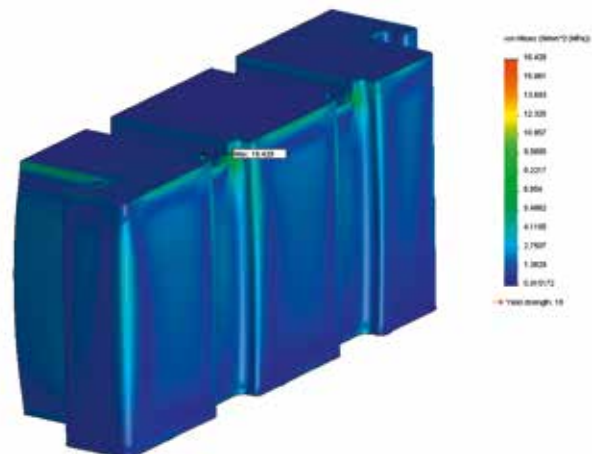
Series „10 PE“ made of polyethylene

- 10 mm wall thickness
- stop rings to handle
- computer aided design
- according to standards EN 858 or EN 1825
- wide openings
- for light liquid separators:
 - automatic closing device easy to remove
 - coalescence cell easy to remove
 - sample taking device can be integrated

Extensions

Extension pipes in every length can be supplied. Covers in class A or D available.

AQUAFIX separators form part of a controlled disposal concept and will deliver many years of reliable performance. The range consists of high quality systems made of Polyethylene or Polypropylene. AQUAFIX separators are always state of the art and comply with all relevant standards and regulations.



The construction of AQUAFIX 10 PE separators was done according detailed FE analysis. The combination of high quality material, optimised production process and at least 10 mm wall thickness guarantees highest stability.





Customer benefits

How you profit from HAURATON.

My benefits as **Civil Engineer** with **HAURATON**:

„With the reliable hydraulic calculation supplied by HAURATON in the sensitive preplanning stage, I can be sure that the proposed drainage scheme is going to work properly.“



stable and durable channels



professional hydraulic calculation



My benefit:

Security

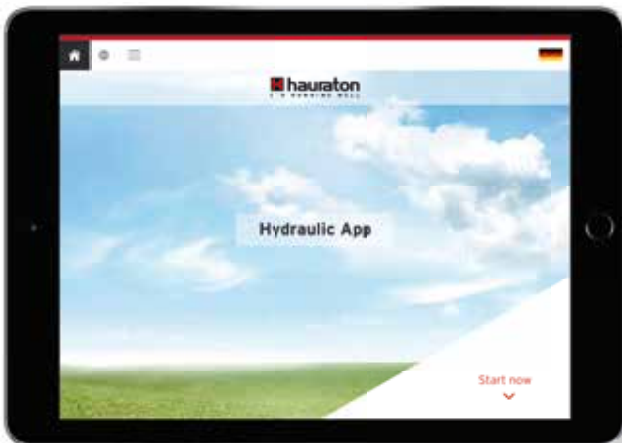


Security in the hydraulic calculations

HAURATON supports civil engineers and architects by providing layouts and hydraulic calculations for their surface water drainage schemes.

Hydraulic

- hydraulic calculation free of charge
- specially developed calculation programme
(In cooperation with the University of Prague)
- hydraulic app currently for PC and iOS



Download here:
hauraton.com/en/hydraulic-app.php



My benefits as **Contractor** with **RECYFIX®**:

„With the **RECYFIX®** channels I'm on the safe side. They are lightweight, corrosion-free and particularly sturdy. Therefore, I save costs and my customer is satisfied.“

+



simple installation, low costs

+



corrosion-free and durable

=



My benefit:
Cost savings

Cost savings through lightweight, durable **RECYFIX**[®] channels

Corrosion-free and particularly sturdy

- high-tech-Material from renowned Plastic Research Institute
- permanently resistant to frost, de-icing salt and UV light
- particularly durable even with frequent traffic

Lightweight for easy, fast and low-cost installation

- maximum stability with minimum weight
- significantly lighter than channels made of mineral material
- especially easy transport and processing



Simple processing



Easy transport



Fast installation



100% corrosion-free, especially in cases of frost and de-icing salt

My benefits as **Architect** with **RECYFIX®**:

„Security in design and material - that's all I expect from a good drainage channel.“

+  award-winning

+  durable

+  meet all standards

=  *My benefit:*
Security

Security during planning process

HAURATON offers architects as partners maximum planning security. Products and processes are constantly monitored and are subject to stringent quality requirements.



The FIBRETEC Slotted grating was awarded with the international design award Focus Open 2010 and nominated for the German Design Award.

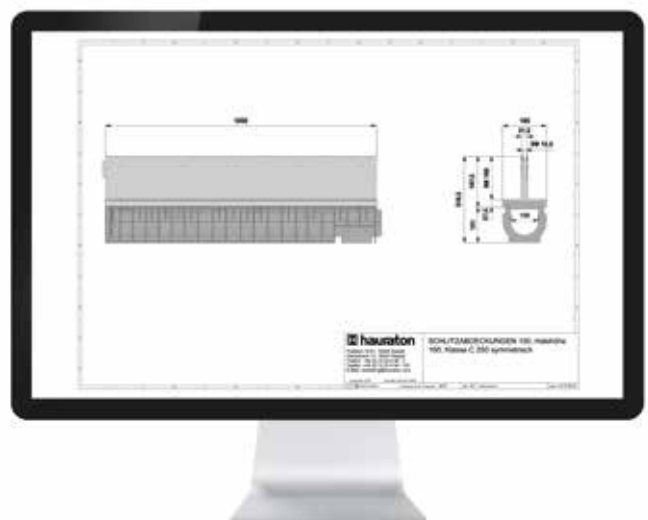
Standards, approvals and warranties

- Channels certified according to DIN EN 1433
- Testing certificates issued by external institutes
- CE-Labels
- Quality certification in accordance with DIN EN ISO 9001:2008

Planning support

- DWG drawings for all products on the internet for total planning security
- Specification assistant with detailed search function to find the optimal products for various applications

CE conform



My benefits as **Landscape Gardener** with **RECYFIX®**:

„There are plenty of activities happening on site. With the unbreakable channel, I am able to save costs and hassle. Moreover, due to its extremely light weight, the channel is highly back-friendly.“



quick installation



absolutely stable



My benefit:
Cost savings

Lightweight for easy, quick and cost-efficient installation.



- highest stability with minimized weight
- much lighter than conventional channels made of mineral materials. In comparison: one polymer channel weighs as much as 2.5 m RECYFIX 100
- very easy to transport and install



1 m NS 100 Channel incl. grating = **4 kg**
 1 m NS 200 Channel incl. grating = **8 kg**

RECYFIX® – stable and unbreakable:

- high-tech material development by a well-known Research Institute for Recycling-Plastic
- durable resistance against frost, de-icing salt and UV radiation
- elastic and ultra-strong material
- already stable during installation, compacting of paved surfaces along the channel is possible - no breakage means that the construction schedule can be met
- withstands high traffic loads in daily use and temperature differences



My benefits as **Construction Material Dealer** with **RECYFIX®**:

„I can provide my customers a channel which is quickly and easily loaded into a car; and I profit from a higher stock turnover.“



optimized stock handling



low transport costs



My benefit:
Better gross margin

Better gross margin through optimizing stock handling and low transport costs.

- easy loading without staff and fork lift
- pre-assembled, no spare parts on stock
- less pallet storage lots required





RECYFIX[®] Material

Recycled Composite
Long-lasting, corrosion-free
and economical.

AT A GLANCE

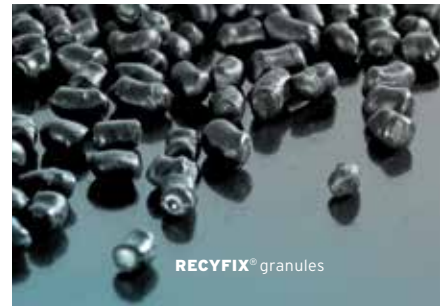
RECYFIX® is...	see page
... long-lasting	208
... energy-efficient	209
... stable and unbreakable	211,212
... easy to process	213
... corrosion-free	215
... inert	217

RECYFIX® IS A HIGH-QUALITY RECYCLED COMPOSITE.

Plastic in general, even at the end of its service life, has a lot to offer and is much too valuable to be thrown away. Recycled plastic can be re-used with almost zero loss of quality and energy. Plastic parts are regranulated, brought to the quality level that is required for recycling by adding a small proportion of new material if necessary, and taken to a new production process. This results in an extremely high-quality material which is the basis for **RECYFIX®** channels.

Even if the re-use of materials were no longer interesting in financial terms, the material does not need to be disposed of. The energy that it contains can be used for generating electricity and heat.

The recycled materials for **RECYFIX®** are made by modern recycling companies. They are based on high-quality industrial plastics from the automotive industry or mechanical engineering, for example. The proportion of recycling material can vary depending on the quality that is required; all-new material can be used if necessary.



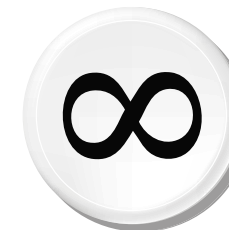
ecological and sustainable material



high resistance



high stability



durability



low weight ensures easy handling on site



**MODERN
MATERIAL WITH
TRADITION ...**

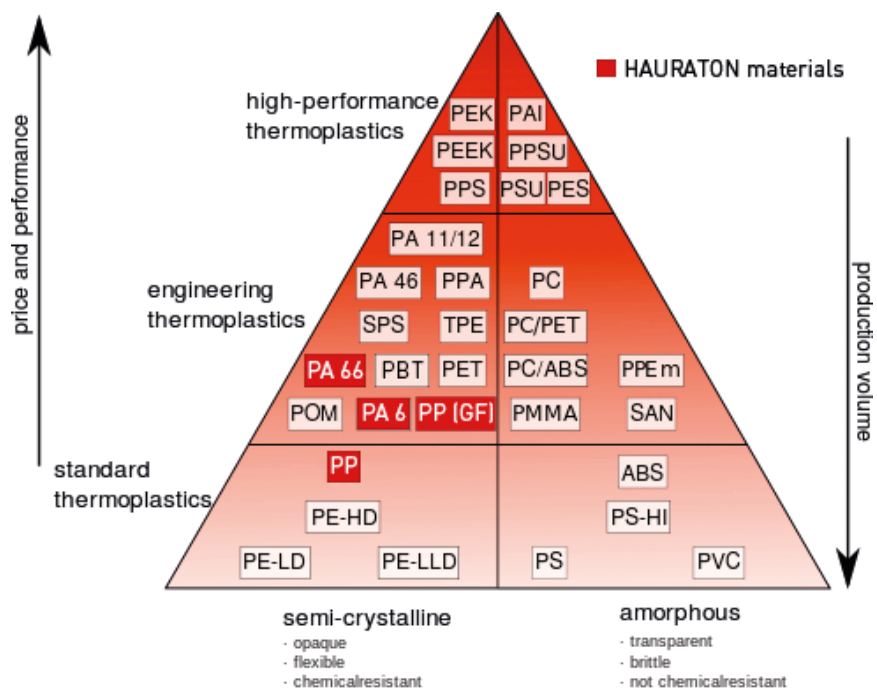
THE "PLASTIC ERA".

The modern world would be unthinkable without plastics, which are used in almost all situations of life. Be it the consumer industry or the investment goods industry, plastics are indispensable for the quality, comfort and safety of our modern lifestyle. They are now so good, lightweight and stable that they are even used in the manufacturing of aircraft and motor vehicles. It is often said that we now live in the „plastic age“.

THE HISTORY OF PLASTIC.

The first plastic was manufactured in the mid-19th century. New types of plastic were invented in the 1960s and 1970's and were increasingly utilized in the manufacturing of various industrial goods. Since then, the use of this modern material has been on the rise. From the beginning of the 1980's the amount of plastic produced is higher than steel (in terms of volume).

CHARACTERISTICS PROFILE OF PLASTICS.



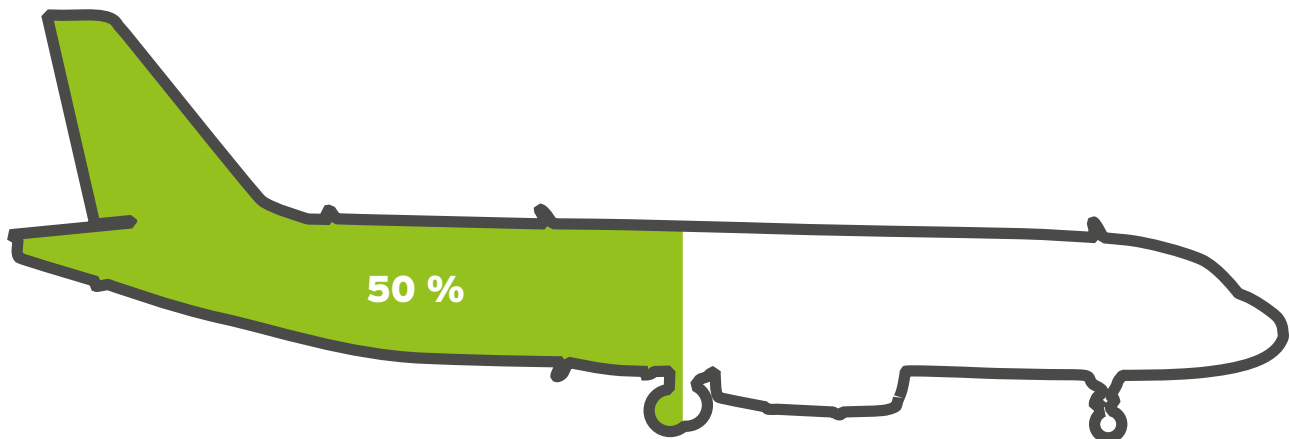
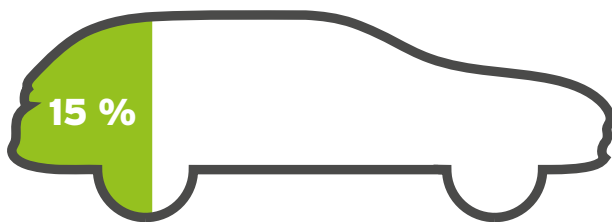
ECOLOGY AND SUSTAINABILITY.

Fulfilling the needs of tomorrow is the basis of the concept of sustainable development. Plastics contribute towards improving peoples' everyday lives. Their technical and physical characteristics make it possible to produce light-weight and long-lasting products that can be transported and processed at low cost.



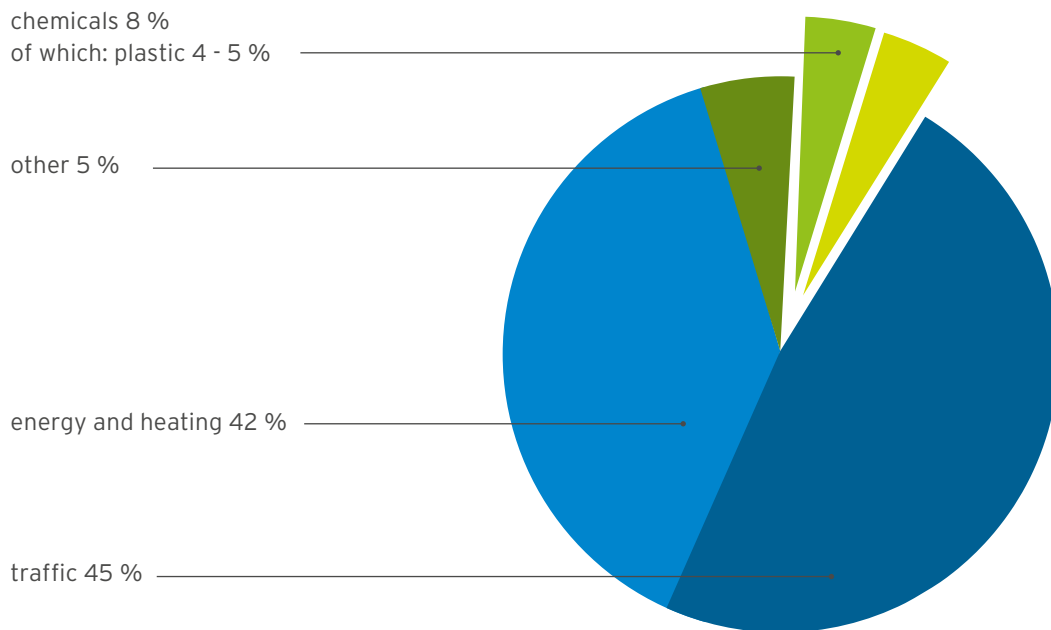
e.g. plastic bottles have now replaced the glass bottle.

About 15 % of a car is currently made from plastic, and the trend is rising. The share of plastics used in a modern-day aircraft has even reached about 50 % - not just in the interior but also in the fuselage and the wings. This results in a tremendous reduction in fuel consumption.



Plastic requires much less oil than you think.

Plastics are mainly manufactured from mineral oil, but only about 4 % of global oil production is used for this purpose. This is extremely efficient because the quantity of energy that is saved due to easier processing and use of the plastic products that are produced is 7 times greater than the amount of energy in the oil.



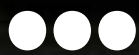
- **only 4 - 5 % of global oil production goes into plastic production.**
- **after the product has been used, the energy content of the plastic is still available.**

Source: http://www.christiane-brunner.com/wp-content/uploads/2010/09/SCHRATT_PLASTICSEUROPE.pdf

Compared to other materials, significantly less oil is required to manufacture plastic.

The following is required to manufacture	Required quantity of crude oil
1 litre of plastic	2 litres of oil
1 litre of steel	6 litres of oil
1 litre of copper	12 litres of oil
1 litre of aluminium	17 litres of oil

STABLE AND UNBREAKABLE



DRAINAGE SYSTEMS THAT LAST

Elasticity describes a material's ability to reversibly change its geometry as a result of external force.

If force acts upon a workpiece, the distances between the material particles are increased or reduced slightly. The mechanical energy that is applied is stored and the workpiece changes its outer shape. When the force is removed again, the particles return to their initial positions and the energy is released again. The workpiece reverts to its original external shape. If the elasticity limit is exceeded, the workpiece is permanently deformed or breaks.

Why the definition from physics? Drainage channels are subjected to large amounts of dynamic forces. This starts during installation when permeable paving surfaces are compacted in along the channel. Or during everyday use: In this case, the channels and gratings must be able to withstand the weight of pedestrians and vehicles, not to mention high temperature differences between summer and winter. It is therefore an advantageous material that is flexible enough to put up with this stress without causing damage to the channel. **RECYFIX**[®] has exactly these properties. It is unbreakable, long-lasting and provides permanently reliable surface drainage.



Elasticity is important when permeable paving surfaces are being compacted in along the **RECYFIX**[®] channel.

Here you can see a film on this topic.



UNBREAKABLE.

RECYFIX® channels are extremely tough. They can be packed, transported and transferred with ease. This avoids problems on the building site.



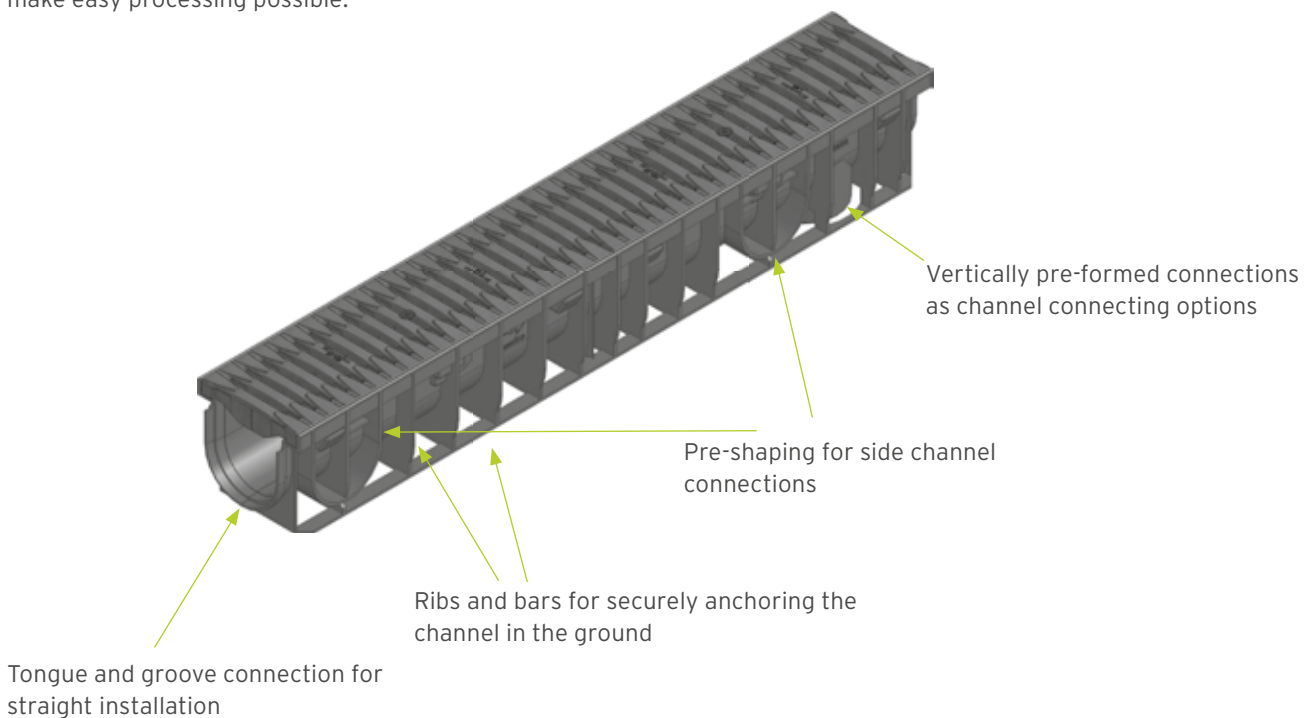
These pictures show that **RECYFIX**® withstands the impact of a hurled steel ball. Here it proves its characteristics of flexibility, toughness and unbreakability.

Here you can see a film on this topic.



New design options and functional integration

Products can be designed in an extremely versatile and flexible way using composites. The material makes it possible to have designs that are much more complex than with mineral materials. **RECYFIX**® channels have many details that make easy processing possible.



MONEY-SAVING INSTALLATION, EASY TO PROCESS.



Light weight.

Its light weight will keep your back in good health: A channel with a nominal width of 100 mm weighs just 4 kg.



Easy processing.

The recycled composite is easy to process. Fitting pieces, pre-cuts and openings can be made using simple tools such as a saw or core drill bit with little effort.



Combination items.

RECYFIX® channels are delivered to site pre-assembled with an inlaid grating, and can be directly removed from the palette and laid by one person.



**CORROSION-
FREE...**

CORROSION-FREE AND EXTREMELY DURABLE DRAINAGE SYSTEMS.

RECYFIX® is corrosion-free and is characterised by its outstanding strength. The material is so dense that it does not absorb water. It is resistant to frost and salt gritting material. This will guarantee a permanent aesthetic appearance and reliable operation of the drainage system for many years.



RESISTANT TO FROST, UV LIGHT, SALT GRITTING MATERIAL AND AGGRESSIVE MATTER.

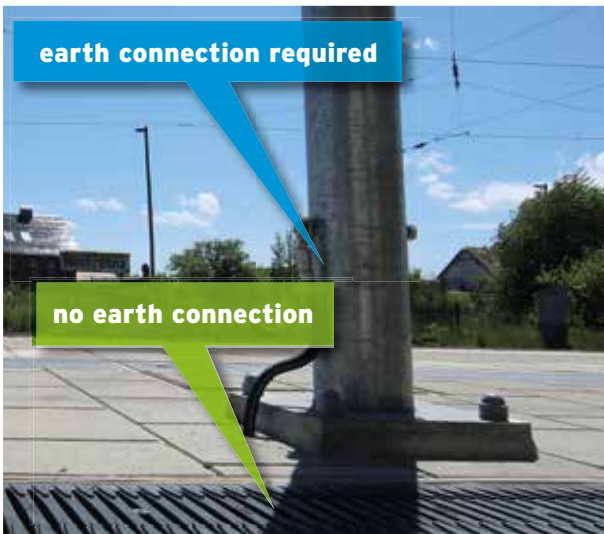


Some regions of the world are subject to strong sunlight (high UV radiation levels). The international (German) standard DIN 19580 provides regulation and guidance regarding the UV resistance of composite materials used for surface drainage. The international (European) standard EN 1433 refers specifically to the DIN 19580 standard regarding this subject. HAURATON **RECYFIX®** systems comply with both EN 1433 and DIN 19580.

As specified in DIN 19580, the composite material used to manufacture **RECYFIX®** systems includes a minimum of 2% or more carbon black within the raw material, in order to achieve UV resistance regarding strong sunlight. The material and system are therefore fit-for-purpose and will perform well in environments subject to strong sunlight.

TOP-QUALITY INSULATOR.

Plastic, in general, is non-conductive and is used as an insulator. For safety reasons, metal objects in the vicinity of power lines have to be earthed, e.g. on railway platforms. Products made from plastic are non-conductive and the use thereof avoids expensive earthing grounding.



INERT AND FREE OF SOLUBLE SUBSTANCES.

Like polyolefines, polypropylene is inert. It is free of soluble substances and is suitable for products used for supplying, diverting and storing water. Polypropylene is even used with foodstuff and products with extremely high hygiene requirements.





DEVELOPMENT AND PRODUCTION.

RECYFIX® channels are a HAURATON invention. Developed in Rastatt, more than 18 million metres of channel have been draining surfaces and buildings all over the world since the introduction of the RECYFIX range in 1995 - reliably and safely.

RECYFIX® channels are certified to DIN EN 1433, and also in accordance with the more stringent German standard DIN V 19580. Products are CE Marked which represents full standards compliance and quality assurance.



RECYFIX®
Production film

RECYFIX® - TESTED BY LIFE.

RECYFIX® channels have been tested within the toughest laboratory in the world: practical use on site. They have all the necessary properties for use in the toughest conditions of everyday life - and have been proving this in projects all over the world since 1995.



RECYFIX®PLUS
Basilica in Budapest



2003



RECYFIX®STANDARD
Logistics centre, Kamen



2001



2016



2016



RECYFIX®PLUS
Nice airport



2001



2016



RECYFIX®STANDARD
„Mineralbäder“ tram stop,
Stuttgart



2002



2016

PP RESISTANCE TO DIFFERENT MATERIALS

	medium	concentration	RECYFIX (PP) black at 20 °C
A	ammonia solution	25 %	+
	apple juice		+
B	beer		+
	brake fluid		+
C	calcium hydroxide	s.a.l.	+
	chloric acid		+
	chlorine		/
	cold cleaning medium		+
D	diesel fuel		+
E	engine oil		+
	ethanoic acid		+
	ethanol		+
F	fats		+
	fertiliser salt	aqueous	+
	formic acid		+
	fruit juices		+
	fruit acids		+
G	glucose		+
	glue		+
H	heating oil EL (diesel)		+
	hydraulics oil		+
	hydrochloric acid	37 %	+
I	Isopropyl alcohol		+
L	lemonade		+
	lubricating grease		+
M	machine oils		+
	margarine		+
	milk		+
	mineral oil		+
	molasses		+
P	petrol	purely	+
	petrol 95-98 octane		+
S	sea water		+
	sugar		+

	medium	concentration	RECYFIX (PP) black at 20 °C
U	urea		+
	UV light		+
V	vegetable fats		+
	vegetable oils		+
W	wine		+

For detailed information on the resistances of further materials or higher temperatures, please contact HAURATON.

- + = permanently resistant
- / = temporarily resistant
- = not resistant
- s.a.l. = saturated aqueous solution

max. 72h each exposure, then cleaning

The above information applies to pure media. We advise our customers to check the suitability of materials on sample pieces. For this purpose, test samples can be obtained from HAURATON. Further information can be obtained from our technical department. At average European daytime temperatures PE-PP channels are highly resistant to diluted acids and alkaline solutions as well as road salt. It is safe to use the channels in environments in which the temperatures listed in the table are not exceeded.

The suitability of channels made of PP for contact with a certain chemical can also depend on other factors besides temperature. In addition, it is imperative to test the suitability of the grating and frame material if contact with corrosive media is being considered. Gratings and frames in stainless steel type CNS 1.4301 or CNS 1.4571 generally offer the best resistance to corrosion.

All our advice relating to product application technology given verbally or in writing or as a result of tests represents our best knowledge. However, we do not accept liability in this respect. As a matter of course, we give our assurance that the outstanding quality of our products fully meets our general terms and conditions of business.

PA RESISTANCE TO DIFFERENT MATERIALS

	medium	concentration	RECYFIX (PA) black at 20 °C
A	ammonia solution		+
	apple juice		+
B	beer		+
	brake fluid		+
C	calcium hydroxide	s.a.l.	+
	chloric acid		/
	chlorine		/
	cold cleaning medium		+
D	diesel fuel		+
E	engine oil		+
	ethanoic acid		/-
	ethanol		+
F	fats		+
	formic acid		/
	fruit juices		+
	fruit acids		+
G	glucose		+
	glue		+
H	heating oil EL (diesel)		+
	hydraulics oil		+
	hydrochloric acid		-
I	Isopropyl alcohol		+
L	lemonade		+
	lubricating grease		+
M	machine oils		+
	margarine		/
	milk		+
	mineral oil		+
	molasses		/
P	petrol		+
	petrol 95-98 octane		+
S	sea water		+
	sugar		+

	medium	concentration	RECYFIX (PA) black at 20 °C
U	urea		+
	UV light		+
V	vegetable fats		+
	vegetable oils		/
W	wine		/

For detailed information on the resistances of further materials or higher temperatures, please contact HAURATON.

+ = permanently resistant
 / = temporarily resistant
 - = not resistant
 s.a.l. = saturated aqueous solution

max. 72 h each exposure, then cleaning

The above information applies to pure media. We advise our customers to check the suitability of materials on sample pieces. For this purpose, test samples can be obtained from HAURATON. Further information can be obtained from our technical department. At average European daytime temperatures PA channels are highly resistant to diluted acids and alkaline solutions as well as road salt. It is safe to use the channels in environments in which the temperatures listed in the table are not exceeded.

The suitability of channels made of PA for contact with a certain chemical can also depend on other factors besides temperature. In addition, it is imperative to test the suitability of the grating and frame material if contact with corrosive media is being considered. Gratings and frames in stainless steel type CNS 1.4301 or CNS 1.4571 generally offer the best resistance to corrosion.

All our advice relating to product application technology given verbally or in writing or as a result of tests represents our best knowledge. However, we do not accept liability in this respect. As a matter of course, we give our assurance that the outstanding quality of our products fully meets our general terms and conditions of business.

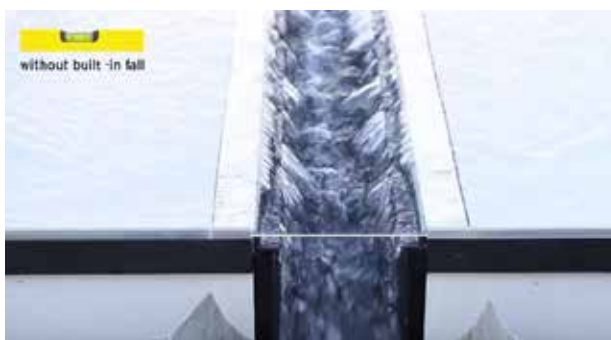


Hydraulic

RECYFIX® channels
for all hydraulic requirements.

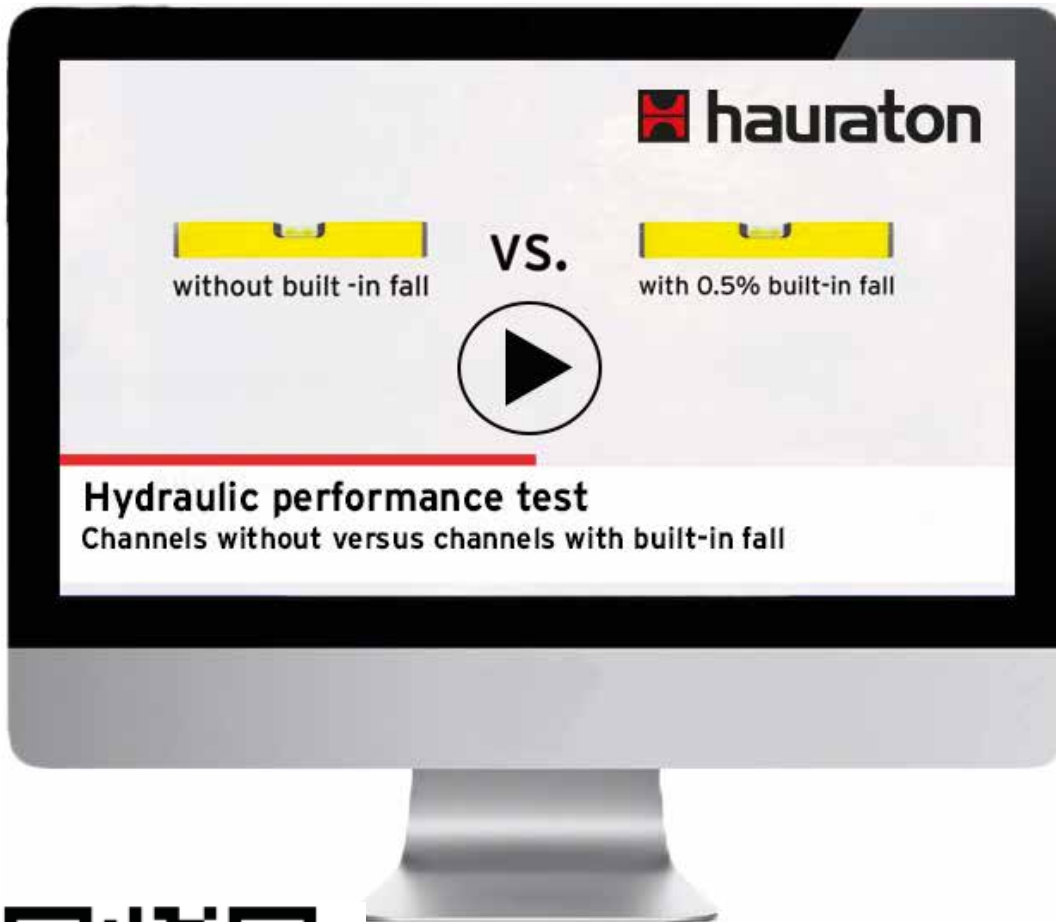
Hydraulic performance of **RECYFIX**[®] channels

The exemplary hydraulic performance test on the hydraulic capacity of two channel runs (4 meter of RECYFIX[®] 150 Type 01), one with and one without built-in fall, clearly shows, that at the end the hydraulic performance is almost the same. Until the channels are completely emptied of water, it takes 1:17 minutes without built-in fall compared to 1:13 minutes with 0.5% built-in fall.



As a result, although RECYFIX channels do not have a built-in fall, RECYFIX channels fulfill all hydraulic demands and also ensure that under all applications storm water flows into the channel.

Video of hydraulic performance test



See here the hydraulic performance test.

HAURATON channels have optimized hydraulics and don't require slope.

Hydraulic performance of **RECYFIX**[®] channels

Step slope with **RECYFIX**[®] channels from HAURATON

With different types (heights) of HAURATON's RECYFIX channels a step fall can be made as follows:



Channel shape

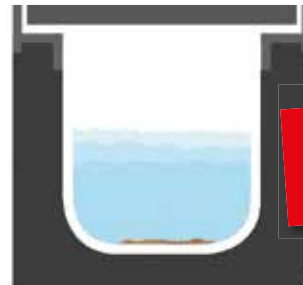
Tests and hydraulic calculations have shown that channels with a U-shaped cross section have a better velocity at the end of the channel run and a higher cleaning power compared with a V-shaped or an In-Situ cross section.



Competitor



In-Situ



HAURATON

30% more
draining capacity

Results

- U-shaped channels have up to a 30 % increased draining capacity compared to V-shaped channels.
- In a U-shaped channel the water has a larger contact area with the soiling.
That's why this channel cleans itself more efficiently.

U vs. U

Optimised drainage performance
with **RECYFIX**[®] channels



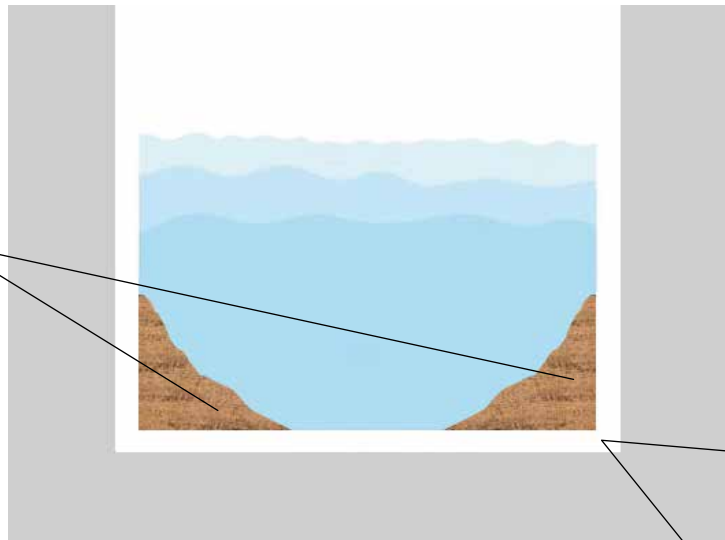
Optimised drainage performance with **RECYFIX**[®] channels

U-shape ☹️



Reduced self-cleansing

- rectangular shape is not the most efficient for water flow
- limited flow velocity



Irregular channel surface

- increased surface roughness
- captures dirt particles



Increased maintenance effort

- sediment accumulation (channel shape and roughness)

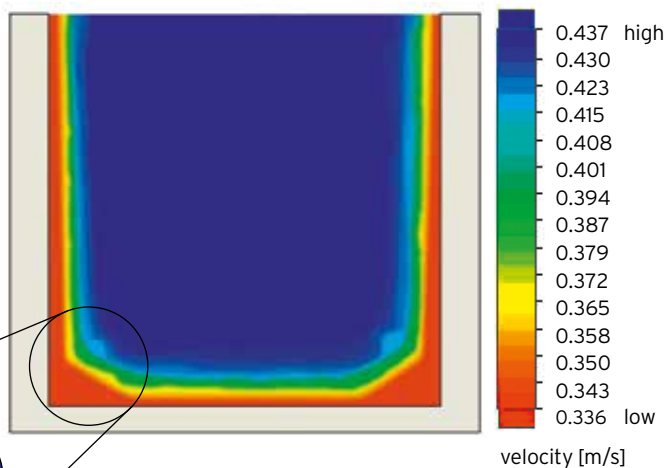
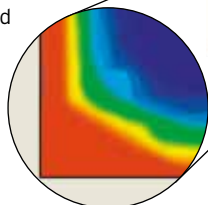
In-situ channel



Flow velocity distribution with a **rectangular shaped** channel

Basic data of design calculation

- simulated with CFD (Computer fluid dynamics)
- rectangular cross section: internal width: 150 mm, invert depth: 153 mm
- channel length: 1 metre
- flow velocity: 10l/s
- channel cross section: 230 cm²
- the CFD image shows the flow velocity distribution at the channel end



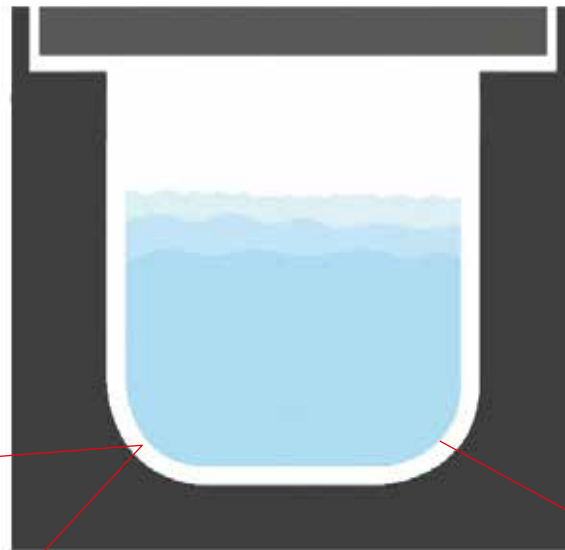
Low self-cleansing effect

U-shape



Improved self-cleansing

- u-shape channel is more efficient for water flow
- improved flow velocity for equivalent size channel



Channel **RECYFIX®PRO** type 01



Smoother inner surfaces

- uniform prefabricated surface finish avoids dirt particles from getting caught.
- dirt and sediment will flow more freely through the system channel bottom.



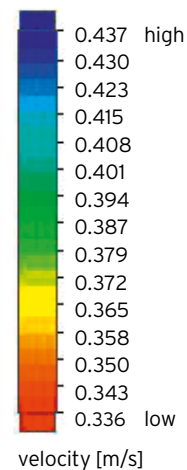
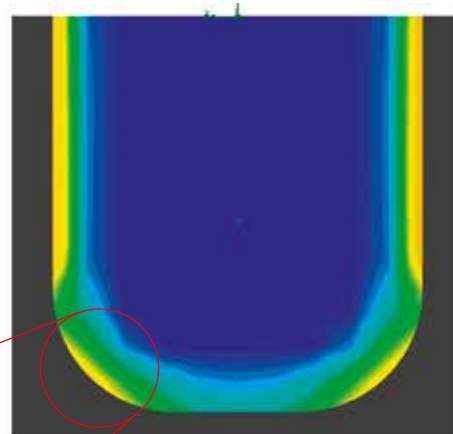
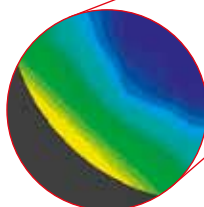
Reduced maintenance effort

- u-shape profile helps reduce sediment accumulation

Flow velocity distribution with a **u-shaped** channel

Basic data of design calculation

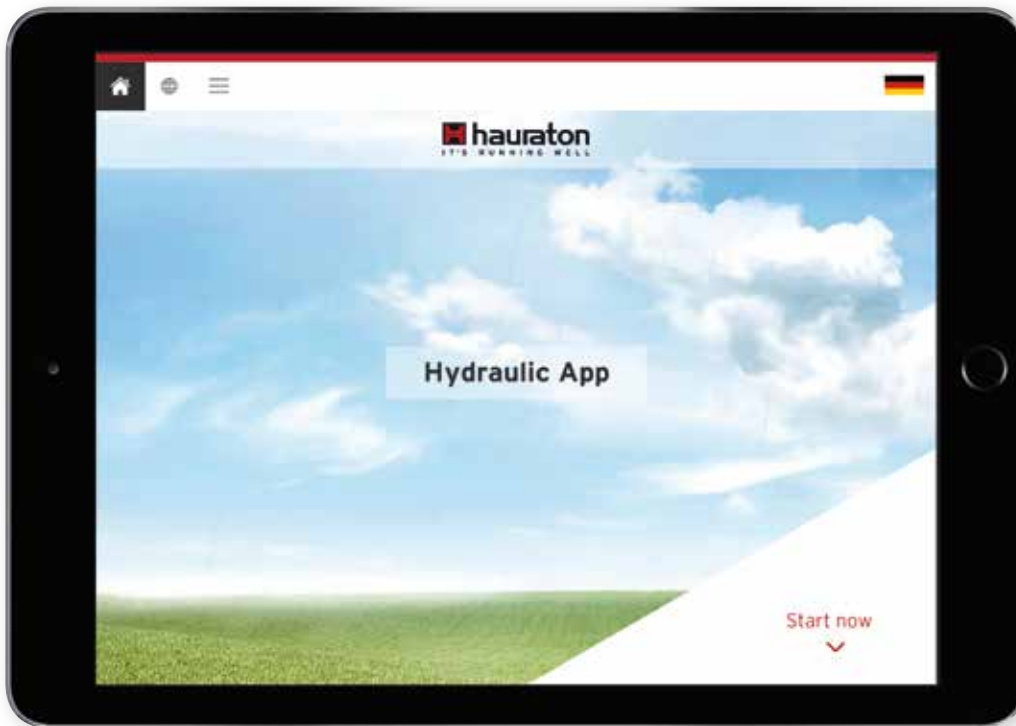
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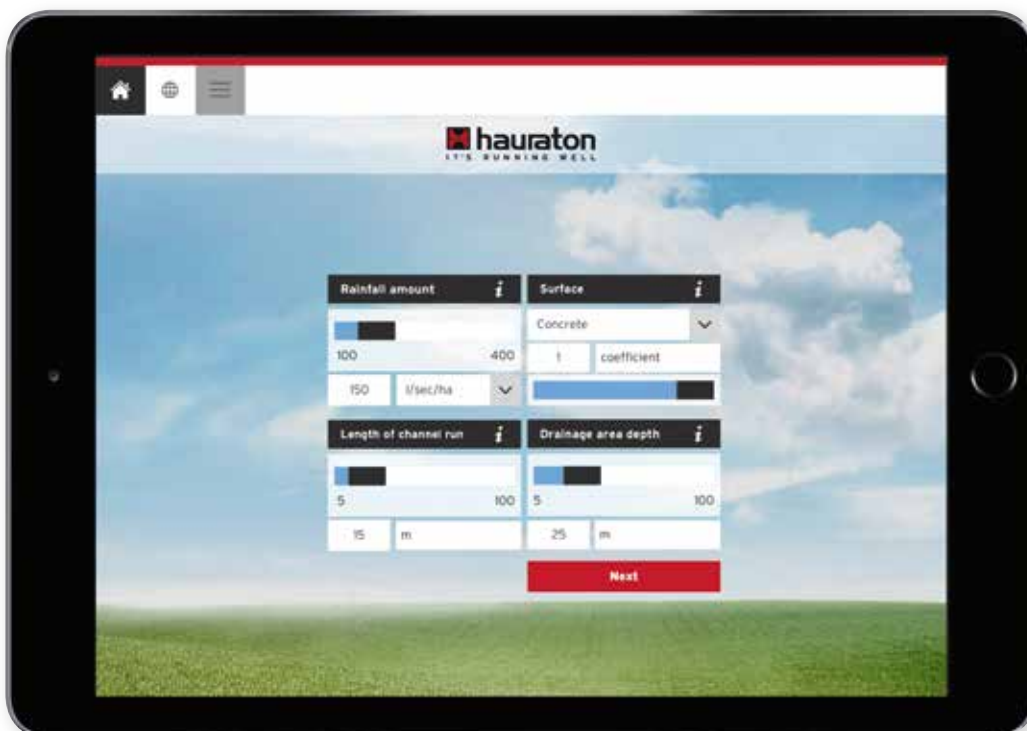
High self-cleansing effect

HAURATON Hydraulic App

With our HAURATON hydraulic app you can get a quick overview on our channel systems. Since we want to provide you with a straightforward and easy-to-use application, only four parameters need to be entered. With just one click you can select between the channel systems according to your individual needs .



Begin by pressing „Start now“.



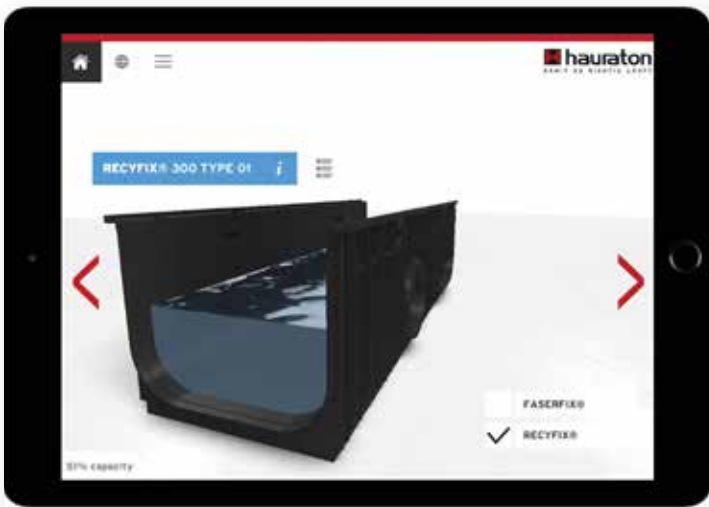
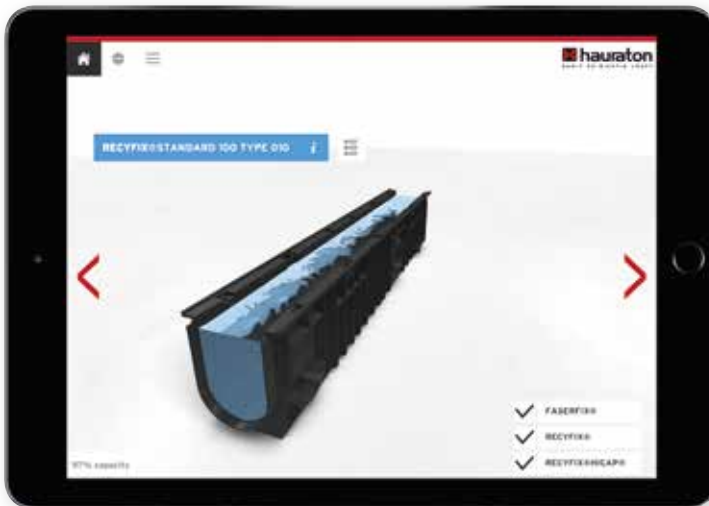
Enter the four parameters, rainfall amount, surface, length of channel run and drainage area depth by moving the black control slide.

Download here:

hauraton.com/en/hydraulic-app.php



hydraulic app
currently for
PC and iOS



Different drainage systems are obtained that meet the requirements and show their respective utilization rate.



Installation

It's running well
during the installation.

All information regarding the installation of **HAURATON** products

Detailed installations instructions are provided for different loading and application areas. Only in application can each component prove its task, function and reliability. Therefore, a professional installation is required. The same is true for HAURATON products. For a successful outcome, we support the contractor with advice and assistance whenever needed. Our detailed installation instructions and specifications contain everything you need to know about the installation in different loading and application areas.

HAURATON installation instructions - even installation is running well.

Installation example

Installation example
Pavement class A 15 - B 125

* h ≥ Channel height - 10 cm

Category according to EN 1433 / DIN 19580	A 15	B 125	C 250	D 400**	E 600	F 900	Applying to following systems:
Foundation: with b / thickness d / height h (in cm)	10 / 10 / *	10 / 10 / *					RECYFIX PRO 100, 150, 200 RECYFIX NC 100, 150, 200
The named concrete quality is a minimum quality							
EN 206-1 / DIN 1045-2	without danger of frost on the lateral support C 20/25	C 20/25					
	with danger of frost on the lateral support C 30/37 XD 1	C 30/37 XD 1					
<small>The installation examples / advice constantly are adapted to the technical conditions. With new editions older expenditures lose their validity. Before planning or installation please verify the current version at www.hauraton.com in building construction is a sealing layer below the channels necessary.</small>		Condition: 28.07.2014		Our general installation instructions apply.		Format DIN A4	<div style="font-size: small; margin-top: 5px;"> Unit 4, Frenchs Avenue LUS 1BH Dunstable / Bedfordshire Tel: +44 1582 50 1380 Fax: +44 1582 50 1399 technical@hauraton.co.uk </div>
** Not for use in continuously frequented areas of carriageway or motorways		84_0000039932 Einbaubeispiel www				scale 1:5	
		RF-PRO-100 Typ 010 Rinnenunterteil 1m_Einbaubeispiel Klasse B 125 in Pflaster (s.a. 10_0000023520)				V6	

Installation instruction example

CIVILS

LANDSCAPING

AQUA

SPORT

RECYFIX®PRO / RECYFIX®PLUS / RECYFIX®STANDARD - Installation instruction

Our installation instructions / examples are suggestions that are generally accepted in the trade. Any special installation details required due to local conditions need to be specified by a qualified engineer.

Technical regulatory instruments and guidelines applicable in the respective state or country should be taken into account for installation.

1. Please ensure that the adjoining surface finishes are laid to finish permanently 3 to 5 mm higher than the top edge of the channel.
2. Dig a trench and set the outlet for connecting to the ground drainage pipe. First set the Inlet box or the first channel directly adjacent to the ground drainage pipe and join them up.
Join up the next channel elements using the tongue and groove joint in the units. Make sure to observe the direction of the arrow on the channels.
3. Place the end cap and keep the grating inserted for reinforcement. Prepare the lateral concrete bearing. Please consider therefore the information on the installation drawings depending on the installation situation and the required load class.
4. Where the installed product is subject to horizontal forces, e.g. in concreted areas and reinforced concrete structures, effective expansion joints have to be provided in both directions in accordance with DIN 18318.
5. Where the products are installed in paved surfaces, the joint along the channels should be filled with paving gravel or bitumen compound.

Notes for bolting:

During bolting of gratings the maximum moment of force may not be exceeded.

RECYFIX PRO, RECYFIX PLUS und
RECYFIX STANDARD max. 5 Nm

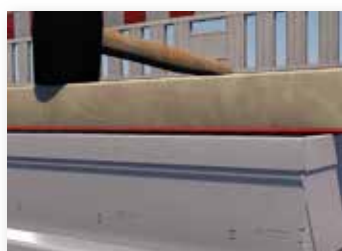
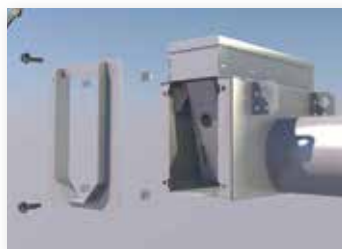
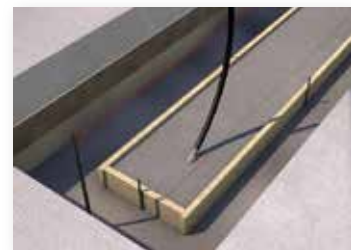
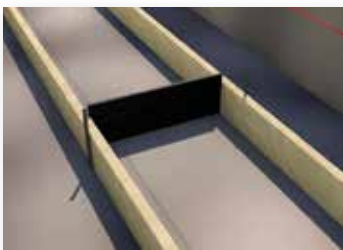
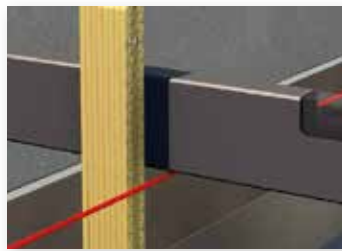
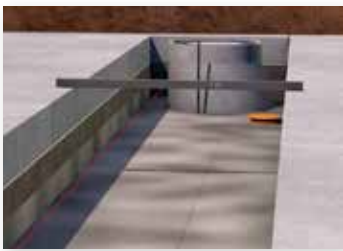
These installation instructions apply similarly to inlet boxes..

Note: The information provided here represents our best knowledge and experience to date. We reserve the right to make changes as technology advances and for the purpose of continuing product development. Users of the products are responsible for checking the functions and application options of these products by consulting with qualified engineers. The mentioning of trade names does not constitute a recommendation and does not preclude the use of other products that have been tested in the same way. For further information please refer to the respective safety data sheets or application areas, e.g. for elastic sealing compounds. Any new edition of this publication renders older editions invalid. Date: 02/13

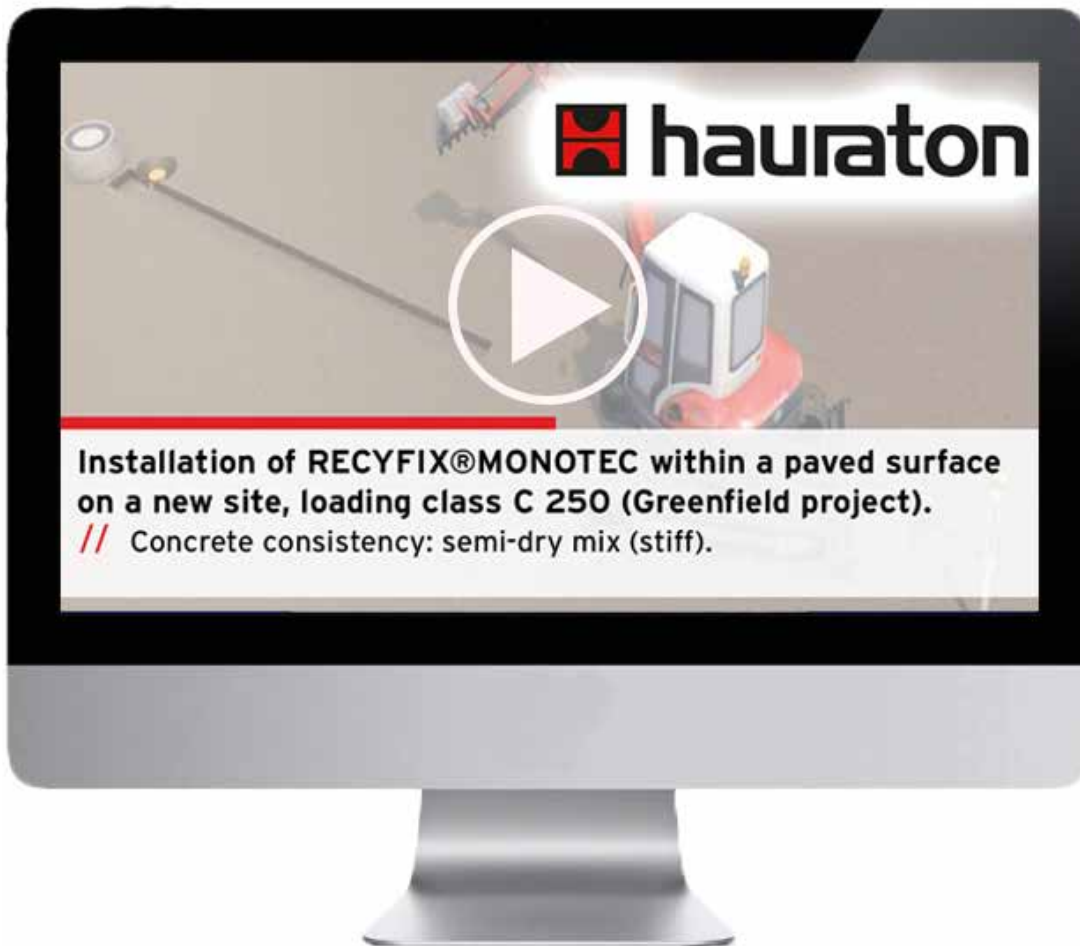
Look up our current installation instructions on the internet under www.hauraton.com

Step by step installation videos

See here the exemplary illustration of step by step installation animations of **RECYFIX®MONOTEC**.



Example of our step by step installation videos



See here the exemplary step by step installation video of **RECYFIX®MONOTEC**.

Contact ts@hauraton.com for further step by step installation videos



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