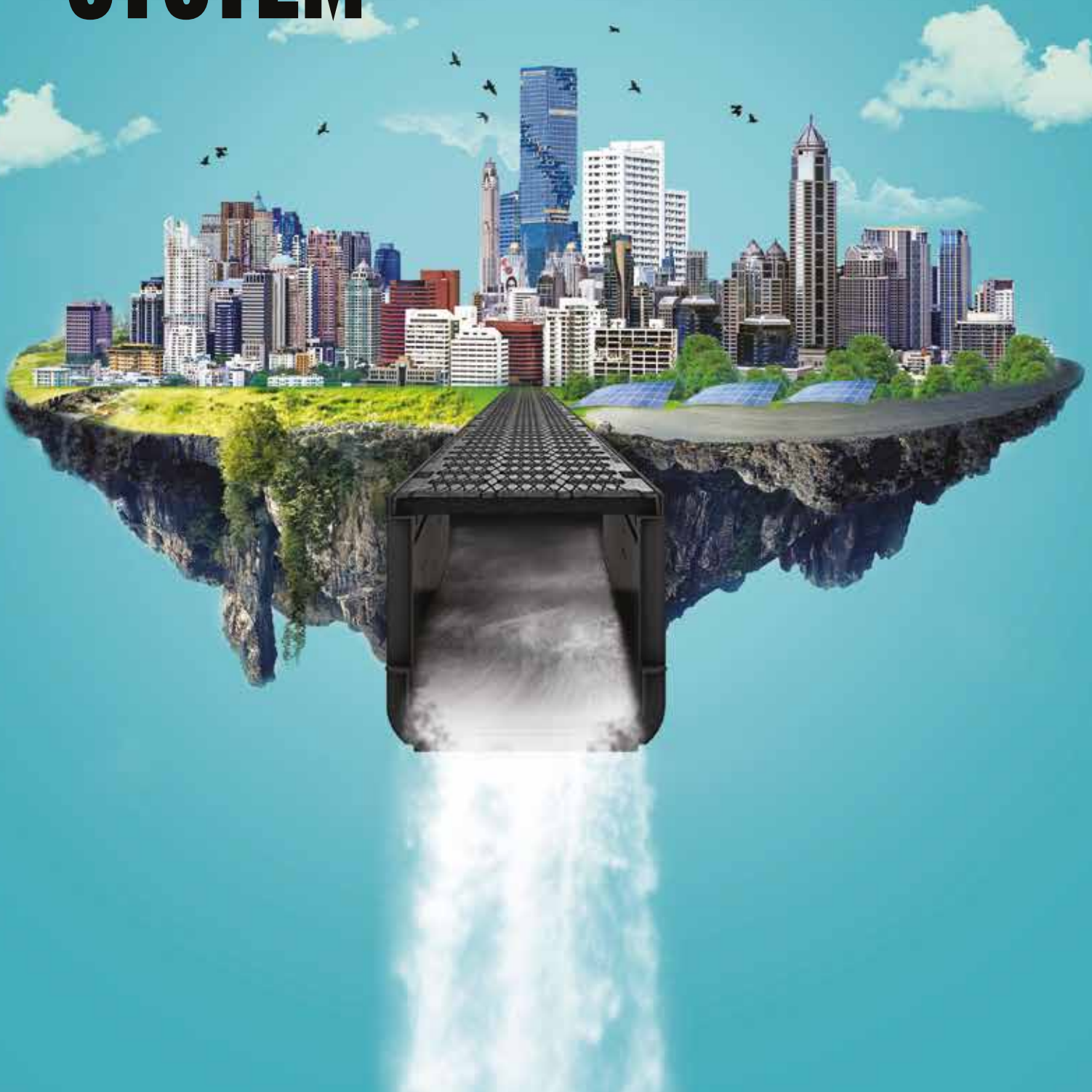


MODERN RANGE OF
**SURFACE DRAINAGE
SYSTEM**




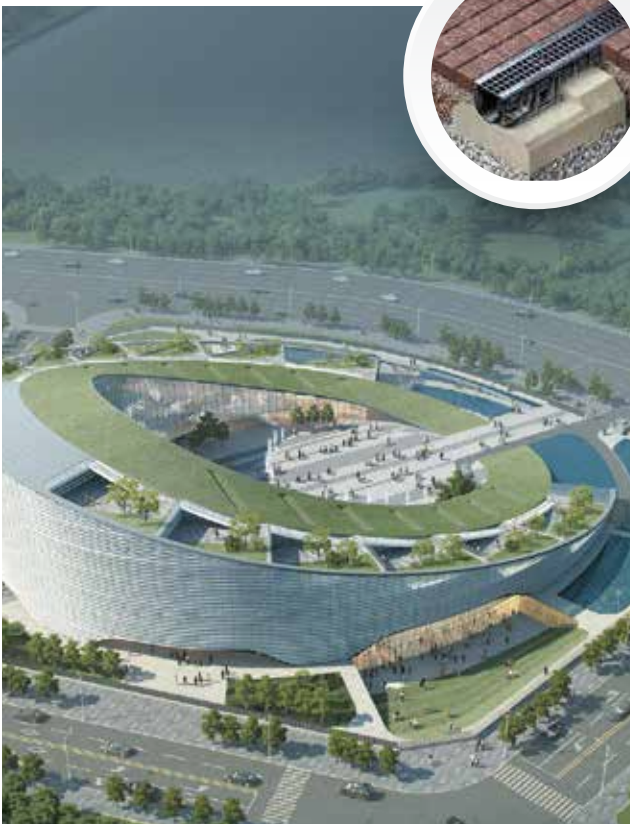
HAURATON PROJECTS



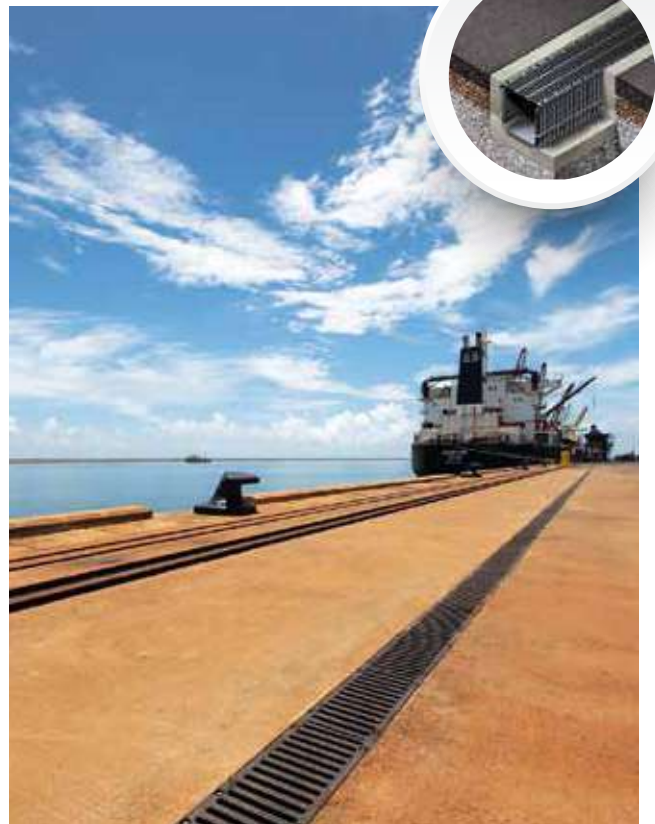
 Mandalika Street Circuit, Lombok, Indonesia



 Data Ran Merdeka in Kuala Lumpur, Malaysia



 Viettel Telecommunication Headquarters Hanoi, Vietnam



 Kuantan Port, Malaysia

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PRINCE PIPES – TOWARDS A BETTER FUTURE WITH INNOVATIVE SOLUTIONS

Prince Pipes stands for transformation and setting new trends in the piping industry. We are committed to constant innovations in plumbing, irrigation, and drainage & sewerage technologies so as to meet the nation's ever-growing water and sanitation demands. We strive to pave the way for a future that provides clean water to every corner of India. Since our inception in 1987, our mission has been to usher in a revolution in the plastic piping industry through innovative solutions that also generate profitable growth and benefit our customers and society as a whole.



Greener Better Together

At Prince Pipes, our aim is to create products that act as solutions and make a difference. From our zero-defect manufacturing process that involves using **recycled plastic** to designing and equipping our plants with solar panels and several other **energy-saving measures**, we stand strong in our commitment to bring down emission levels. Our strong belief in the concept of "better lasts longer" has not only helped us deliver premium-quality products but also be consumption-conscious. Together with our channel partners and plumber associates, we sincerely pledge to leave behind a stronger and more sustainable legacy for generations to come.



JAIPUR EST. 2019



KOLHAPUR EST. 2012



CHENNAI EST. 2012



HARIDWAR EST. 2008



DADRA EST. 2000



ATHAL EST. 1995



SANGAREDDY EST. 2021

COMPANY AT A GLANCE



A strong legacy that spans more than **3 decades**

Total installed capacity of **3,15,000 MTPA**

7 manufacturing plants strategically located across India

8 warehouses for efficient supply & timely service

Pan-India distribution with **1,500+ channel partners**

Amongst the top **5 processors** in the piping industry

7,200+ SKUs

TECHNICAL COLLABORATION



PRODUCT COLLABORATION



LEAP TOWARDS MODERN PLUMBING

Prince Pipes has a 30+ years legacy of being at the forefront of the piping industry, as the only brand in India to produce piping systems in four polymer categories - PPR, uPVC, CPVC and HDPE.

Prince's vision extends beyond the domestic segment but also provides a complete range of solutions ensuring the modern requirement is fulfilled by providing innovative solutions.

Introducing PRINCE HAURATON the Modern range of surface drainage systems.

Prince Pipes brings to you an innovative set of drainage systems developed by using German technology of Hauraton.

Hauraton has been one of the world leaders in supplying effective drainage systems for 65 years. Innovative drainage products from Hauraton make sure that the water flows away in proper course and the building remains safe all over the world. The drainage solutions have been installed in many high-profile projects globally.



ABOUT HAURATON

The purpose of surface drainage systems is to keep water from flooding or pooling on property. The longer water sits stagnant, the more susceptible it is to become contaminated by outside influences.

Heavy Rainfall, climate changes and unpredictable weather patterns are impacting the way we control surface water. Professional drainage trench systems are becoming an important element for groundwork infrastructure. These systems are designed to quickly and effectively remove surface water from a variety of application areas to help prevent flooding or standing water.

The drainage systems of Hauraton are efficient, sustainable and highly stable. They are made from 100% recycled Polypropylene (PP) and are certified according to European Standard EN 1433.



KEY FEATURES



High Stability

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



Durability

- Polypropylene (PP) reacts very slow on weathering such as air, light, wind, dust and therefore is extremely durable.

100% corrosion-free



Low weight ensures easy handling on site

- Much lighter than channels made of polymere concrete.
- Easy transport and installation.



Impact resistance

- Polypropylene's structure has a good tensile strength. This allows the material to withstand fairly heavy loads, despite being lightweight.



High Security

- Certified according to EN 1433.



High Resistance

- High chemical resistance against aggressive liquids.
- High resistance against freeze and de-icing salt.
- 100% UV-resistant.



Ecological and Sustainable material

RECYFIX channels are made of 100% recycled Polypropylene (PP) and this is very environmentally friendly.

WHY HAURATON?

Comparison between traditional system & Hauraton Recyfix®

General problems of in-situ channels:

- poor quality and durability → concrete produced on-site often does not fulfil highest quality standards compared to factory made products and so often fail after a short time (e. g. cracks in concrete occur or breakdown of system happens)
- no traffic-secure solution → neither channel nor grating / cover can be tested for requested loading capacity



Poor security:

- unsecured gratings / covers → gratings / covers do not have any fixing with channel body
- risk of injury → bigger slots are dangerous for pedestrians



Unpleasant optical appearance:

- cracks in concrete → cracks start to destroy the channel / cover step by step and do not look good
- rusted gratings → cheap ductile iron gratings tend to rust immediately



Greater effort and costs for installation:

- time-consuming and costly installation → higher cost on formwork, leveling and finishing is required



Solution for in-situ channels:

- + pre-fabricated products are produced with high performance material and fulfil highest quality standards
- + additionally these systems fulfil EN 1433 and have a standard product guarantee

RECYFIX PRO



100 % corrosion-free

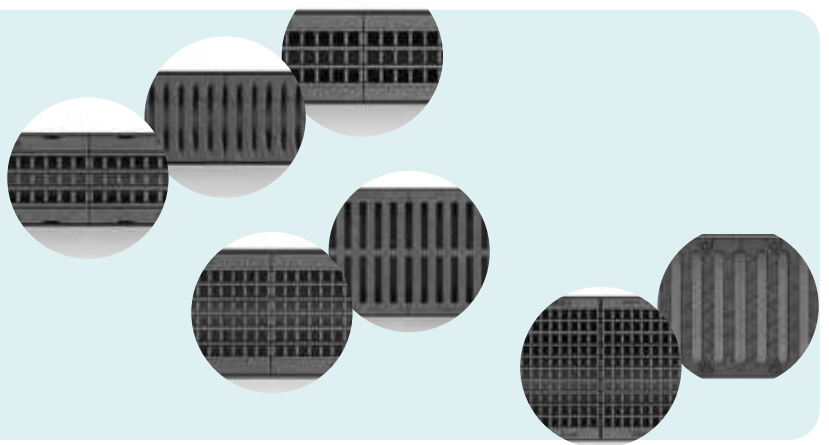
Solution for high security:

- + gratings are locked securely with locking handle or bolts or are built in a monolithic way
- + sizes of slot openings are safe for all kinds of traffic users



Solution for a nice visual appearance:

- + due to high quality material and production technology all products are durable and aesthetically pleasing over a long time
- + gratings are available in different materials and designs for an attractive appearance



Solution for low effort and costs to install:

- + installation of prefab systems can be done much quicker and with less concrete surrounding



LOAD CLASS FOR SURFACE DRAINAGE SYSTEMS



C 250

C 250

Public areas with light traffic and moderate frequency

Possible applications

- Public areas
- Car parks (e. g. supermarket, DIY store)
- Residential building
- Parks



F 900

F 900

Surfaces with extremely high wheel loads and dynamics

Possible applications

- Airports
- Ports
- Container terminals
- Race and test tracks



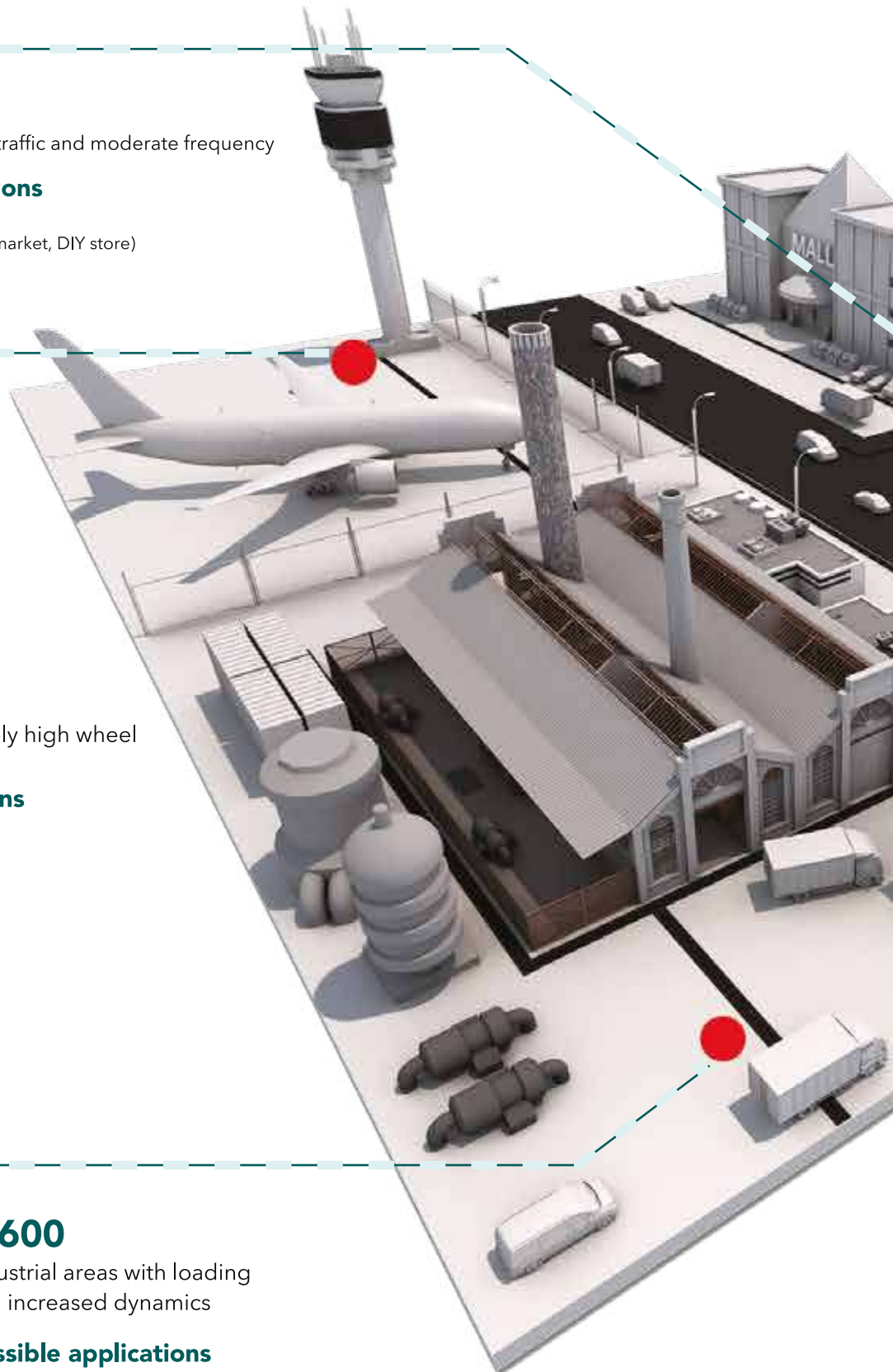
E 600

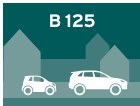
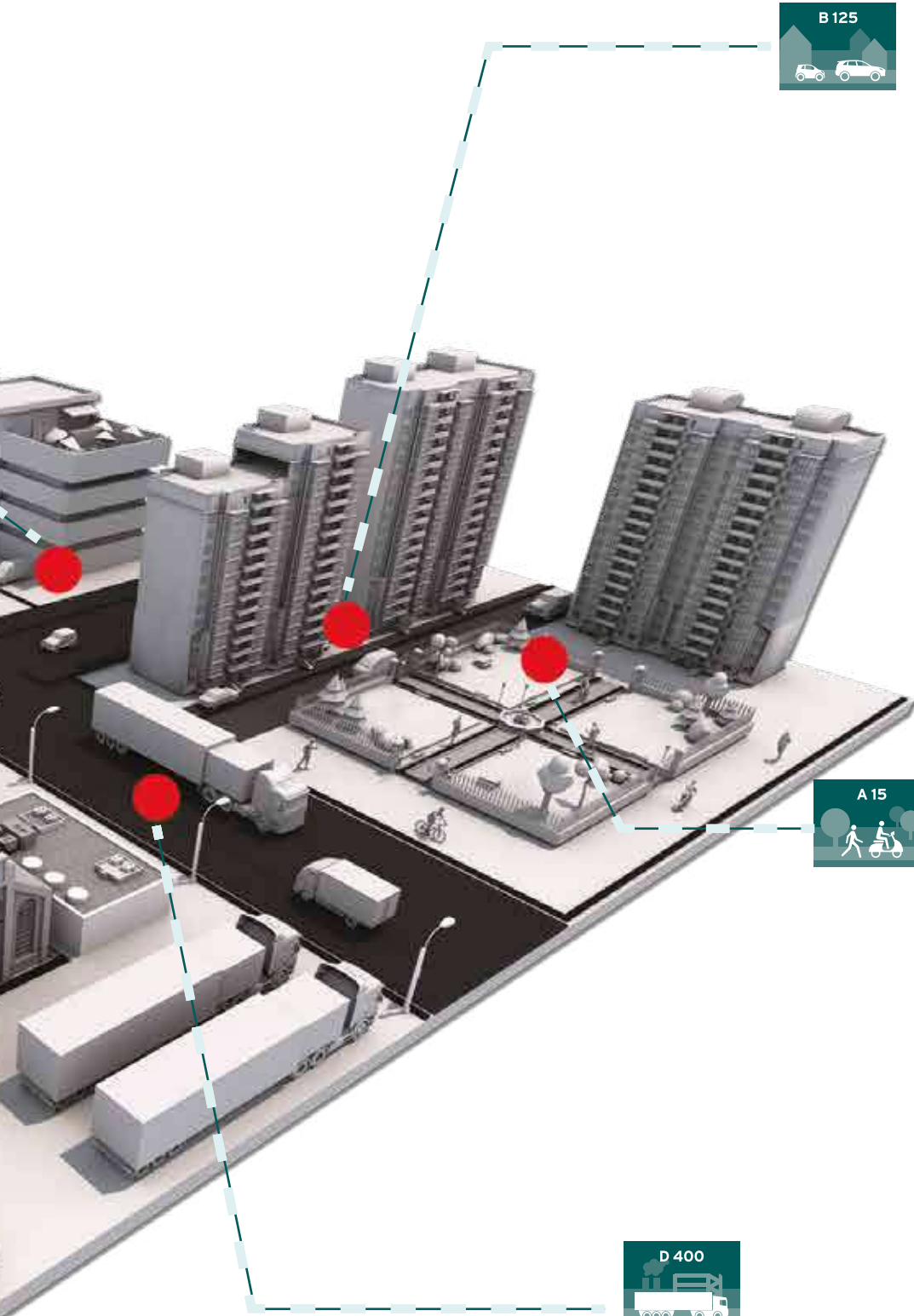
E 600

Industrial areas with loading and increased dynamics

Possible applications

- Industrial yards
- Loading areas





B 125

Traffic areas on private premises

Possible applications

- Driveways
- Courtyards
- Terraces
- Gardens

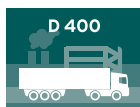


A 15

Traffic areas without car access

Possible applications

- Footpaths
- Cycle paths



D 400

Roadways and streets
(not for installation in the carriageway
in motorways)

Possible applications

- Logistics centres
- Commercial areas
- Bus stations and bus terminals
- Petrol stations
- Lorry parking spaces

LANDSCAPES

Squares & Parks | Railway Platform | Private & Public Areas
Terraces | Gardens



CIVILS

Airport | Container Terminals
Circuits & Test Tracks | Petrol Stations
Car Parks



SPORT

Sport Fields | Stadiums | Race Tracks



RECYFIX® PRO

Corrosion-free linear drainage for private and public areas, such as parks, driveways and parking lots.

B 125



C 250



- Market squares
- Public areas
- Private premises



Product Range

Recyfix Pro 100 Class B 125

Recyfix Pro 100 Class C 250

Recyfix Pro 200 Class B 125

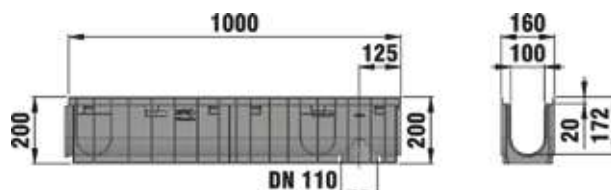


RECYFIX[®] PRO 100

Combi article

RECYFIX[®] PRO 100, class B 125

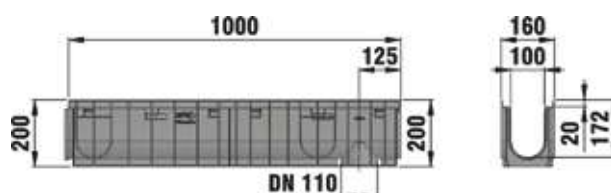
Type 020 with GUGI-Grating
made of PA-GF, MW 15/25,
black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 01 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	150	92	444	4,3
Type 010 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	200	142	444	4,7
Type 020 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	250	192	444	5,5
Type 75 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	75	35	444	2,9
Type 95 with GUGI-Grating made of PA-GF, MW 15/25, black, locked	1000	160	95	55	444	3,6

RECYFIX[®] PRO 100, class C 250

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

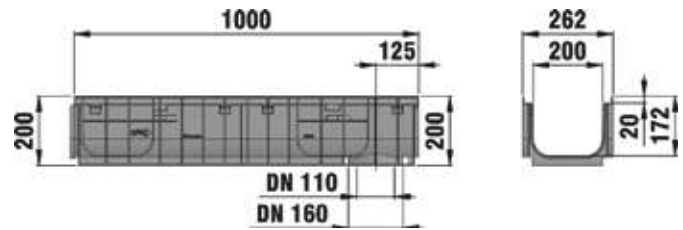


	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 01 with FIBRETEC slotted grating, SW 9 mm, black	1000	160	150	92	372	4,6
Type 010 with FIBRETEC slotted grating, SW 9 mm, black	1000	160	200	142	372	4,9
Type 020 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	160	250	192	372	5,8
Type 75 with FIBRETEC slotted grating, SW 9 mm, black	1000	160	75	35	372	3,4
Type 95 with FIBRETEC slotted grating, SW 9 mm, black	1000	160	95	55	372	3,7

RECYFIX[®] PRO 200

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
Type 010 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	262	200	294	656	8,3
Type 115 with FIBRETEC slotted grating, SW 9 mm, black, locked	1000	262	115	150	656	7,0



RECYFIX® STANDARD

Linear drainage channels for public and commercial areas

B 125



C 250



- Market squares
- Public areas
- Private premises



Product Range

Recyfix Standard 100 Class C 250

Recyfix Standard 150 Class C 250

Recyfix Standard 200 Class B 125

Recyfix Standard 200 Class C 250

Recyfix Standard 300 Class B 125

Recyfix Standard 300 Class C 250

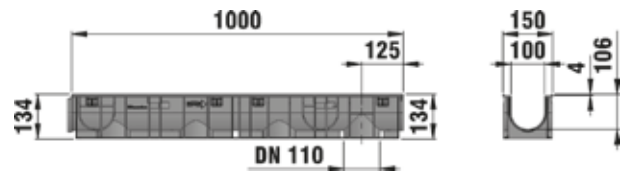
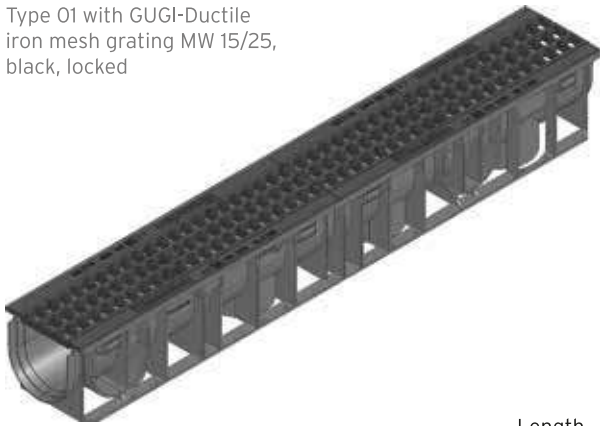


RECYFIX® STANDARD 100

Combi article

RECYFIX® STANDARD 100, class C 250

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



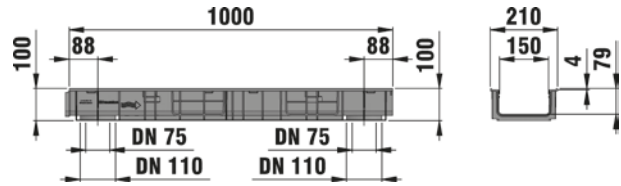
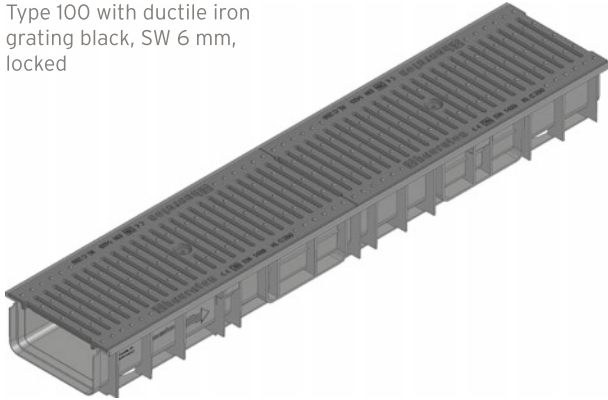
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 01 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	150	134	92	444	7,1
Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	150	185	142	444	8,6
Type 60 with GUGI-Ductile iron mesh grating MW 15/25, black, locked*	1000	150	60	35	444	5,4
Type 80 with GUGI-Ductile iron mesh grating MW 15/25, black, locked*	1000	150	80	55	444	5,5

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

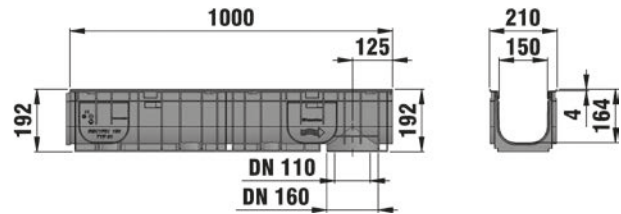
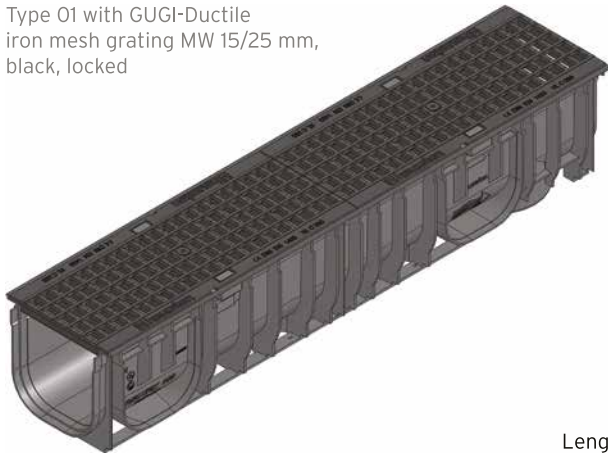
RECYFIX® STANDARD 150

RECYFIX® STANDARD 150, class C 250

Type 100 with ductile iron grating black, SW 6 mm, locked



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



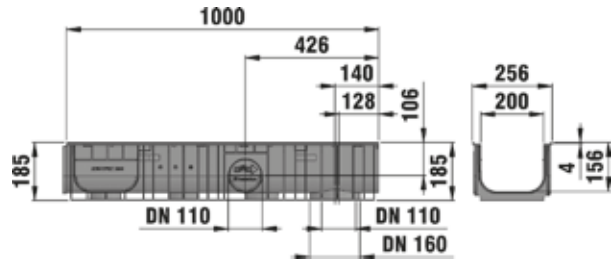
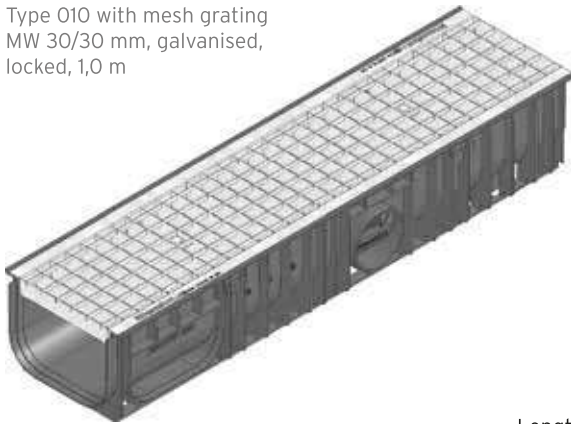
	Length mm	Width mm	Height mm	Internal channel cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 01 with ductile iron grating black, SW 6 mm, locked	1000	210	192	225	400	14.00
Type 0105 with ductile iron grating black, SW 6 mm, locked	500	210	192	225	400	6.60
Type 100 with ductile iron grating black, SW 6 mm, locked	1000	210	100	116	400	13.00
Type 01 with GUGI-Ductile iron mesh grating MW 15/25 mm, black, locked	1000	210	192	225	745	12.40
Type 0105 with GUGI-Ductile iron mesh grating MW 15/25 mm, black, locked	500	210	192	225	745	6.00
Type 100 with GUGI-Ductile iron mesh grating MW 15/25 mm, black, locked	1000	210	100	116	745	11.60

RECYFIX® STANDARD 200

Combi article

RECYFIX®STANDARD 200, class B 125

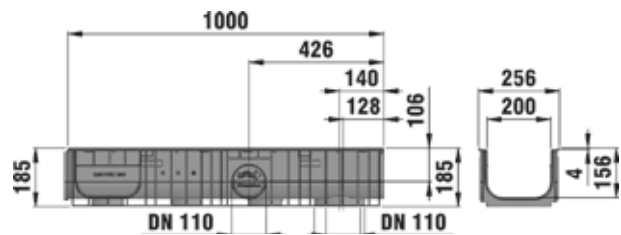
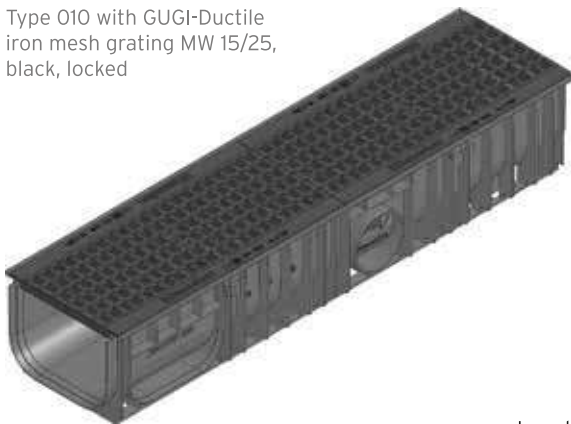
Type 010 with mesh grating
MW 30/30 mm, galvanised,
locked, 1,0 m



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 010 with mesh grating MW 30/30 mm, galvanised, locked, 1,0 m	1000	256	185	290	825	15,4

RECYFIX®STANDARD 200, class C 250

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



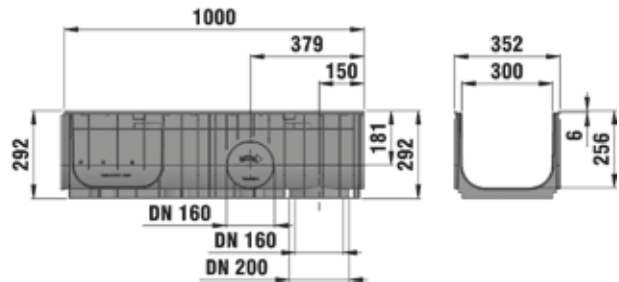
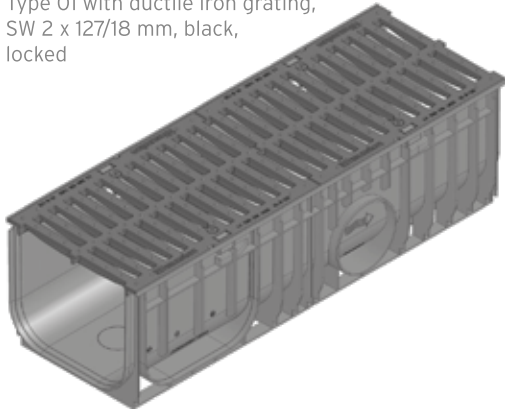
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 010 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	256	185	290	825	15,4
Type 020 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	256	235	366	825	15,8
Type 100 with GUGI-Ductile iron mesh grating MW 15/25, black, locked	1000	256	100	150	825	14,1

RECYFIX® STANDARD 300

Combi article

RECYFIX®STANDARD 300, class B 125

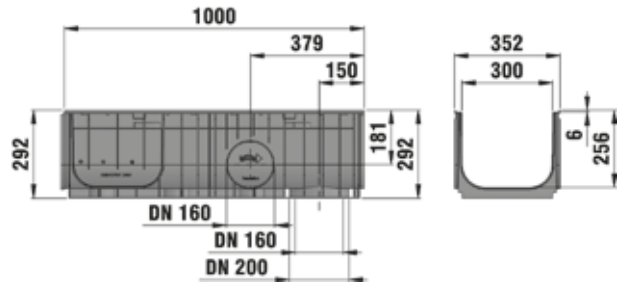
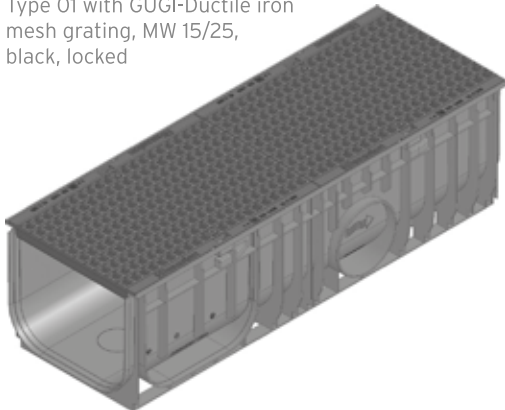
Type O1 with ductile iron grating, SW 2 x 127/18 mm, black, locked



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type O1 with ductile iron grating, SW 2 x 127/18 mm, black, locked	1000	352	292	725	-	22,7

RECYFIX®STANDARD 300, class C 250

Type O1 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
Type O1 with GUGI-Ductile iron mesh grating, MW 15/25, black, locked	1000	350	292	725	1385	29,1
Type O10 with GUGI-Ductile iron mesh grating, MW 15/25, black, locked	1000	420	381	857	1385	33,20

RECYFIX® PLUS

Linear drainage channels with a sophisticated look for public and commercial areas

B 125



C 250



- Public areas
- Car parks
- Residential building
- Parks



Product Range

Recyfix Plus 100 Class B 125

Recyfix Plus 100 Class C 250

Recyfix Plus 150 Class B 125

Recyfix Plus 150 Class C 250

Recyfix Plus 200 Class B 125

Recyfix Plus 200 Class C 250

Recyfix Plus 300 Class C 250



SLOTTED CHANNEL

Slotted channels for design-sensitive applications

C 250



- Market squares
- Public areas
- Private premises



Product Range

Recyfix Pro 100

Slotted Covers 100, Class C 250

Recyfix Pro 150

Slotted Covers 150, Class C 250



TOPX

Drainage channels for private driveways, courtyards, patios and gardens.



- perfect for drives, garages and gardens
- easy to transport and quick to install
- end caps and installation advice make a complete system



Product Range

Top X Combined article, composite channel with grating, Class A 15



RECYFIX® GREEN

Turf honeycomb for infiltration of rainwater in parking areas

C 250



- the product is light and strong making it quick and easy to install
- helps to directly drain the rainfall
- the product when laid gives more than 90% of the area to turf



Product Range

Recyfix Green Super

Recyfix Green Standard

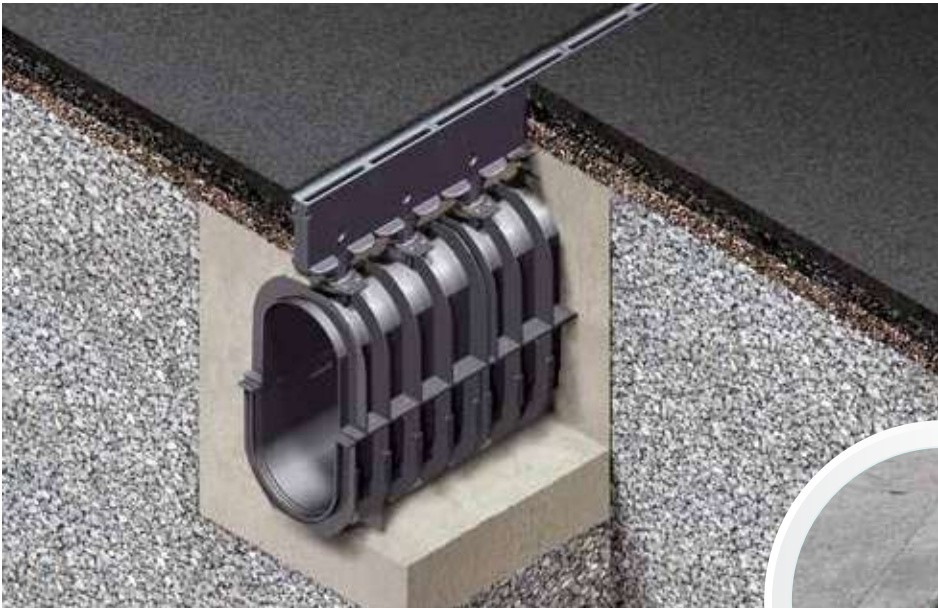


RECYFIX® HICAP F

Linear drainage and retention system for the highest load areas, such as airports, industrial estates and container terminals.



- High capacity drainage channel
 - Suitable for heavy load areas
 - No expensive crane or machine hours required for installation



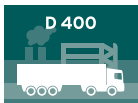
Product Range

- Recyfix Hicap F 1000 Class D 400
- Recyfix Hicap F 1000 Class E 600
- Recyfix Hicap F 1000 Class F 900
- Recyfix Hicap F 200 Class E 600
- Recyfix Hicap F 2000 Class D 400
- Recyfix Hicap F 2000 Classclass E 600
- Recyfix Hicap F 2000 Class D 400
- Recyfix Hicap F 2000 Class F 900
- Recyfix Hicap F 3000 Class D 400
- Recyfix Hicap F 3000 Class E 600
- Recyfix Hicap F 3000 Class F 900
- Recyfix Hicap F 5000 Class D 400
- Recyfix Hicap F 5000 Class E 600
- Recyfix Hicapf 5000 Class F 900
- Recyfix Hicap F 8000 Class D 400
- Recyfix Hicap F 8000 Class E 600
- Recyfix Hicap F 8000 Class F 900
- Recyfix Hicapf 10000 Class D 400
- Recyfix Hicap F 10000 Class E 600
- Recyfix Hicap F 10000 Class F 900



RECYFIX® NC

Heavy duty applications with higher traffic up to class E 600, such as car parks, industrial estates and petrol stations.



- Industrial yards
- Streets (alongside)
- Commercial areas



Product Range

Recyfix NC 100 Class E600

Recyfix NC 200 Class E600

Recyfix NC 200 Class D400

Recyfix NC 300 Class E600

Recyfix NC 400 Class D400

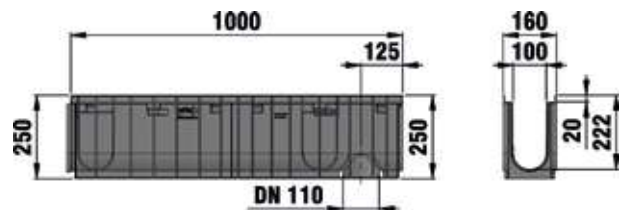
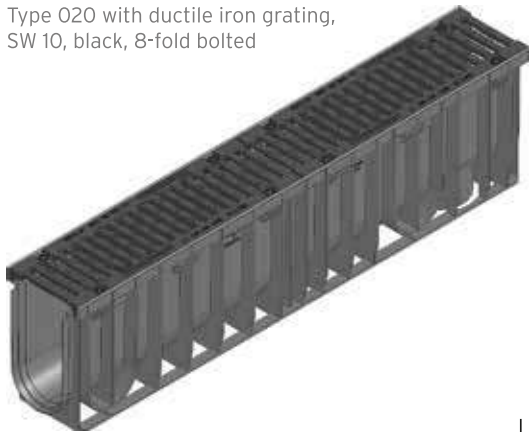


RECYFIX® NC 100 & 200

Combi article

RECYFIX® NC 100, class E 600

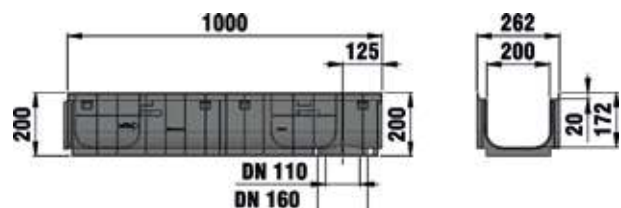
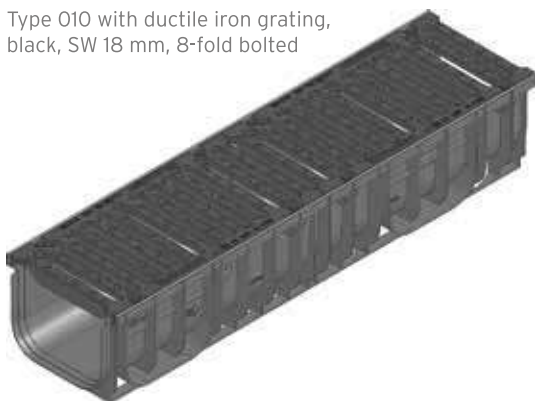
Type 020 with ductile iron grating, SW 10, black, 8-fold bolted



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 01 with ductile iron grating, black, SW 10 mm, 8-fold bolted	1000	160	150	92	427	10,7
Type 010 with ductile iron grating, black, SW 10 mm, 8-fold bolted	1000	160	200	142	427	11,6
Type 020 with ductile iron grating, SW 10 mm, black, 8-fold bolted	1000	160	250	192	427	12,5
Type 75 with ductile iron grating, black, SW 10 mm, 8-fold bolted	1000	160	75	35	427	10,2

RECYFIX® NC 200, class E 600

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



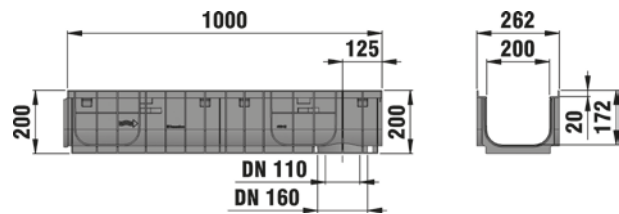
	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	262	200	294	936	20,8

RECYFIX® NC 200

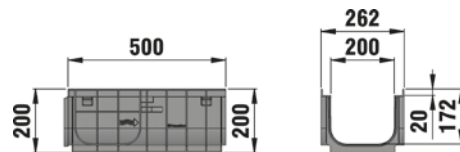
Combi article

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

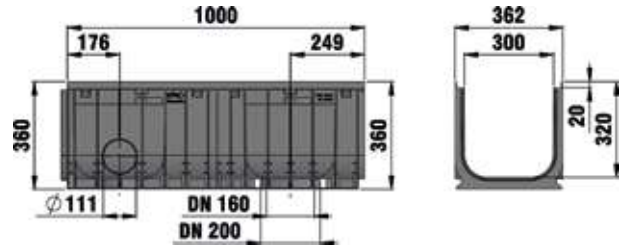
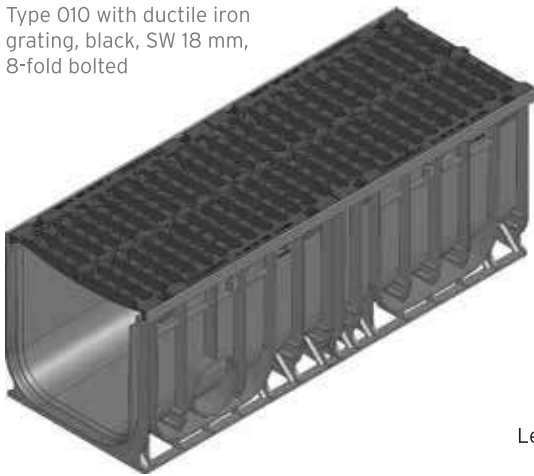


	Length mm	Width mm	Height mm	Internal channel cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	262	200	294	936	20,80
Type 01005 with ductile iron grating, black, SW 18 mm, 4-fold bolted	500	262	200	294	936	10,40

RECYFIX[®] NC 300 & 400

RECYFIX[®] NC 300, class E 600

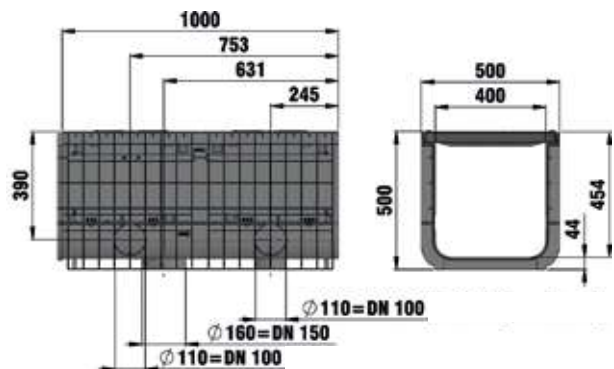
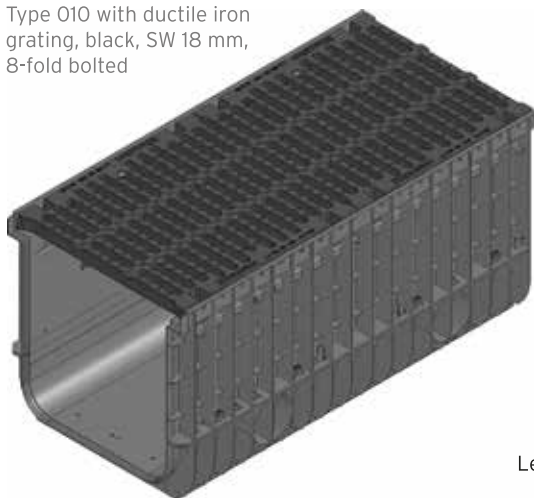
Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	362	360	873	1293	35,0

RECYFIX[®] NC 400, class D 400

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



	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross-sect. cm ² /m	Weight kg
Type 010 with ductile iron grating, black, SW 18 mm, 8-fold bolted	1000	500	500	1640	1753	57,2

RECYFIX® MONOTEC

Heavily frequented applications with high retention volume up to class D 400, such as supermarkets, car parks and petrol stations.



- Parking areas
- Residential areas
- Commercial areas



Product Range

Recyfix Monotec 100 Class D400

Recyfix Monotec 200 Class D400



SPORTFIX®

The comprehensive range for all Sports Facilities.

B 125



- High quality systems for track and field drainage.
- Water jump, longjump, sand traps and soft kerb compliments the product range
- All products meet the IAAF Standards.



Product Range

Sportfix Slotted Channels With Running Track Boundaries

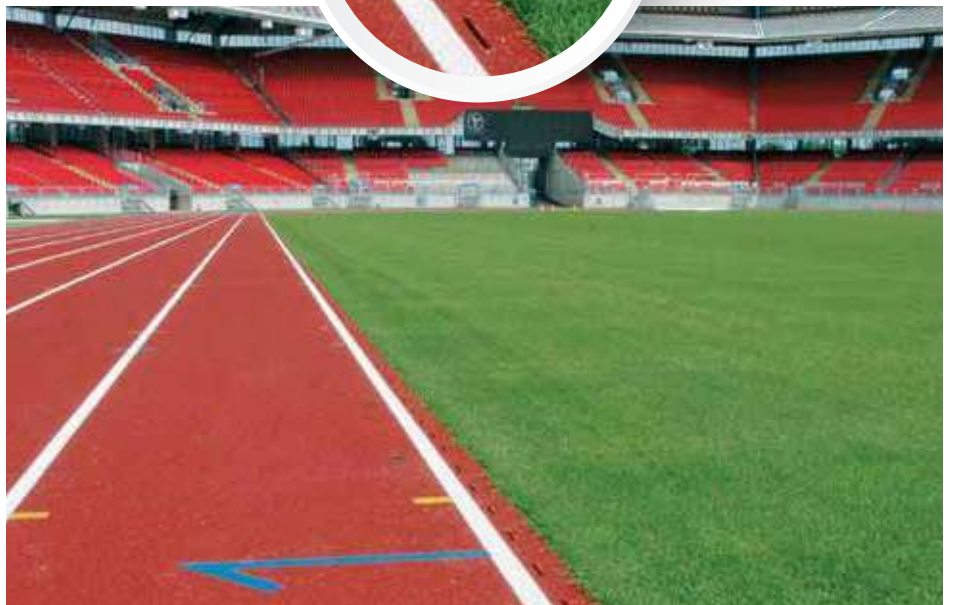
Sportfix Channels With Running Track Boundaries

Aluminum Running Track Curbings

Sportfix Sand Traps

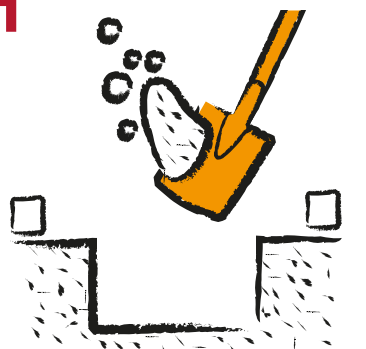
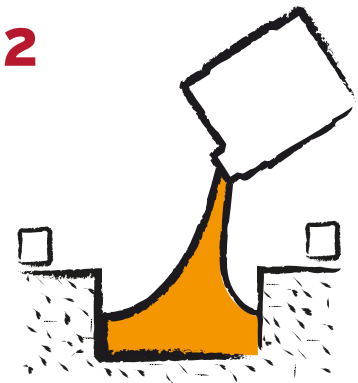
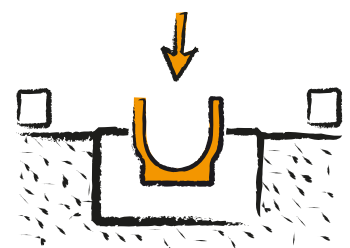
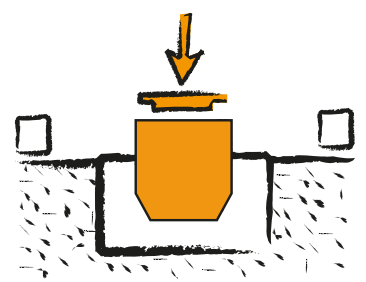
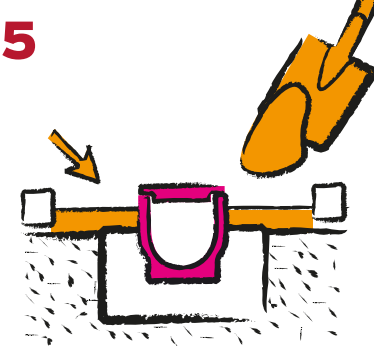
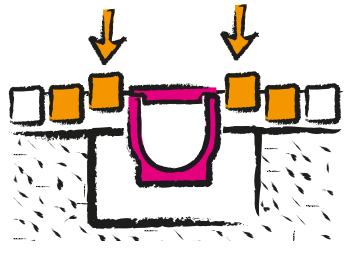
Sportfix Softkerbs

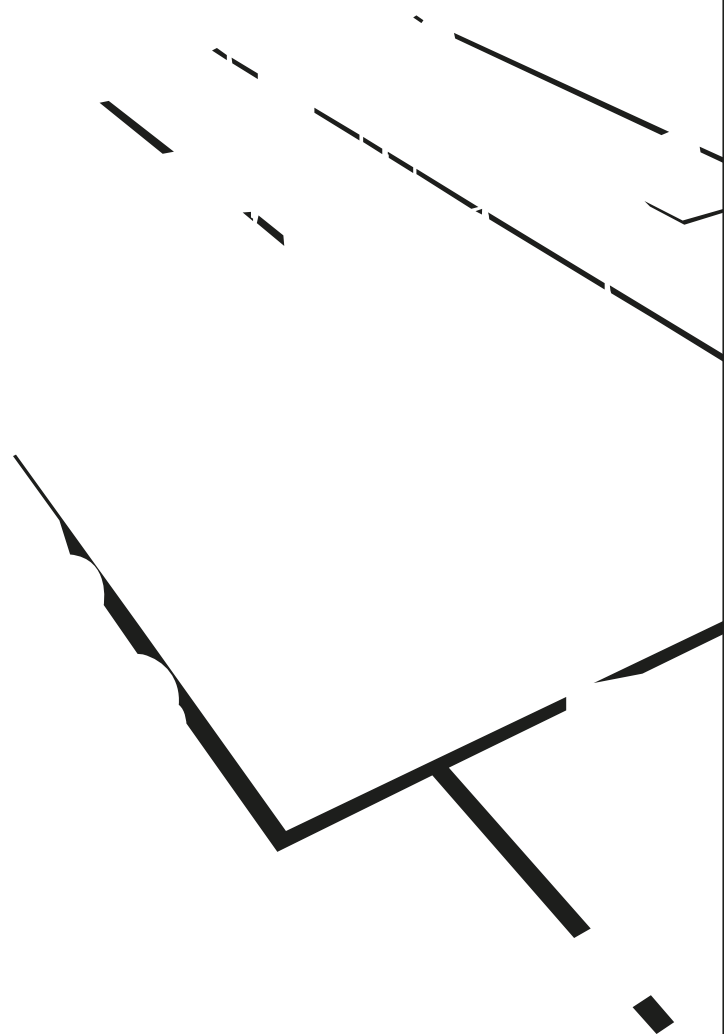
Sportfix Waterjump

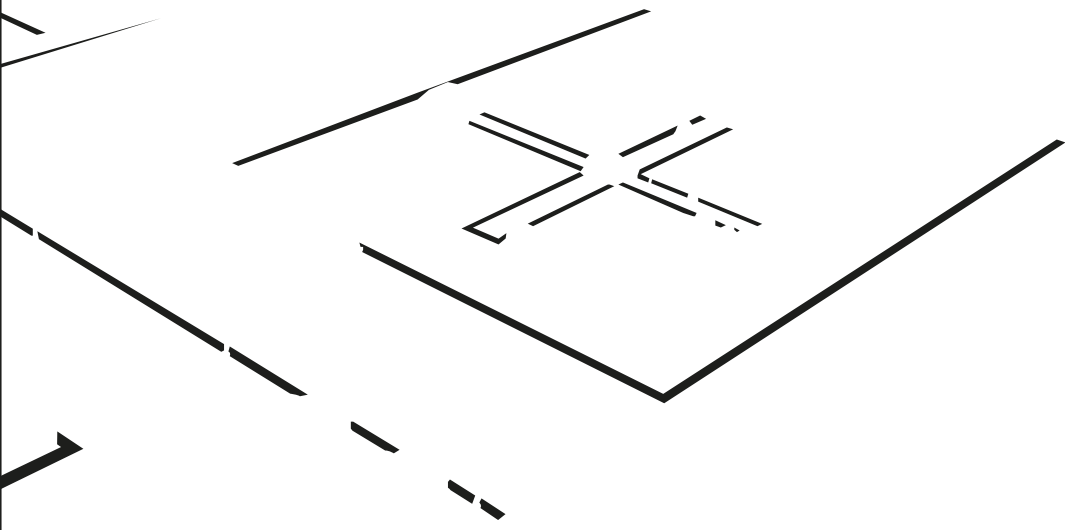


STEP BY STEP INSTALLATION INSTRUCTIONS

An example for paving installation

<p>1</p>  <p>Dig a trench.</p>	<p>2</p>  <p>Fill with concrete and space it out evenly.</p>	<p>3</p>  <p>Stretch a line along the installation line. Lay the channel along this line. Connection to the sewage pipe: with trash boxes or endcap with outlet.</p>
<p>4</p>  <p>Place the closed end cap at the start of the channel run.</p>	<p>5</p>  <p>Prepare a lateral backing structure made of concrete.</p>	<p>6</p>  <p>Lay paving. Fill joints. Important: adjoining surface finishes are laid to finish permanently 3 to 5 mm higher than the top edge of the channel.</p>





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