



# **hauraton**

**TRENCH DRAIN & GRATING SYSTEM**



**“All in One Trench Drain and Grating Solution”**

# YOUR BENEFITS WITH **RECYFIX® CHANNELS** compared to local in-situ solutions

## ANGLE HOUSING

- PP frame 20 x 20 mm acc. to DIN 1433 for additional flexibility and protection
- nibs to stop lateral movements
- inlaying gratings

= **PERFORMANCE ASSURED**



## LOW WEIGHT ENSURES EASY HANDLING ON SITE

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

= **TIME & COST SAVINGS**



## HIGH RESISTANCE

- high resistance against UV-rays
- withstands high temperature differences
- for climate ranges from - 50 °C to + 80 °C and more

= **QUALITY ASSURED /  
LONGEVITY**



## HIGH-GRADE MATERIAL

- **RECYFIX®** - stable and almost unbreakable
- elastic and especially robust material
- withstands high loads and temperature differences in daily use
- 100 % recycled composite body (and also 100 % recyclable) → 100 % environmentally friendly
- 0 % water absorption
- smooth inner surface for superior flow characteristics
- non-conductive
- PP channel body can be cut, drilled and worked easily on site

= **QUALITY & PERFORMANCE ASSURED**



## PRE-ASSEMBLED READY FOR INSTALLATION

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

= **MORE PROFIT**



**50 % cost savings  
on installation**

**100 % corrosion-free**



**1**

Tongue and groove connection & safety joint according to EN 1433

**2**

Anti floating

**3**

Corner and T-connection

# Hauraton Recyfix Channels Vs. Cement Concrete Channels



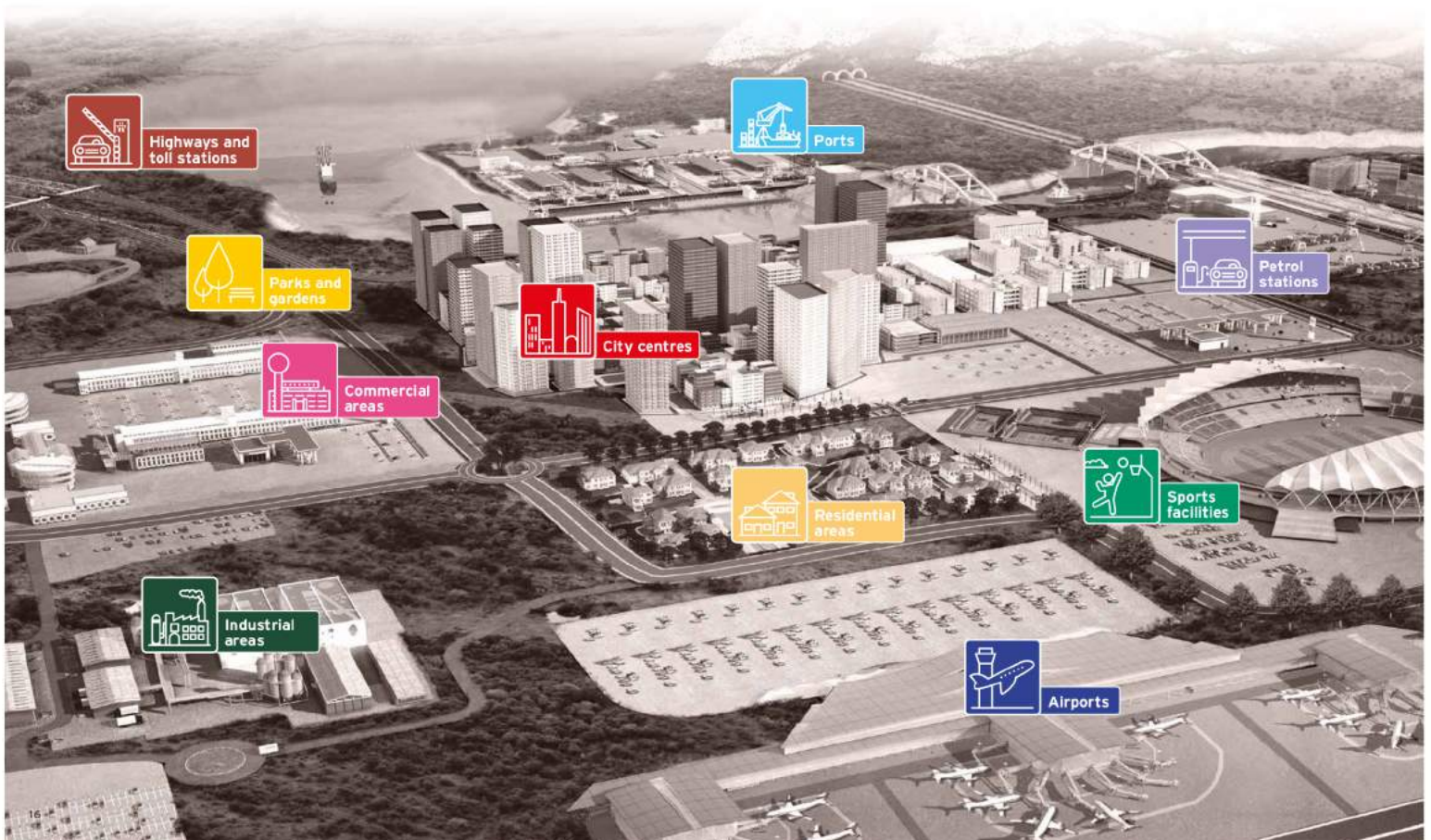
## Cement Concrete Channels

- Time-consuming
- Quality based on the investment (mostly low quality finishing)
- Poor tolerances (no system)
- Poor durability
- Surface level differences
- Big cracks in concrete
- Unsecured gratings (no locking system)
- Rattling gratings (no fixation)
- Rusted gratings

## Hauraton Recyfix Channels

- Less materials (Formwork)
- Faster installation
- Prestige / Modern
- Innovation / Material

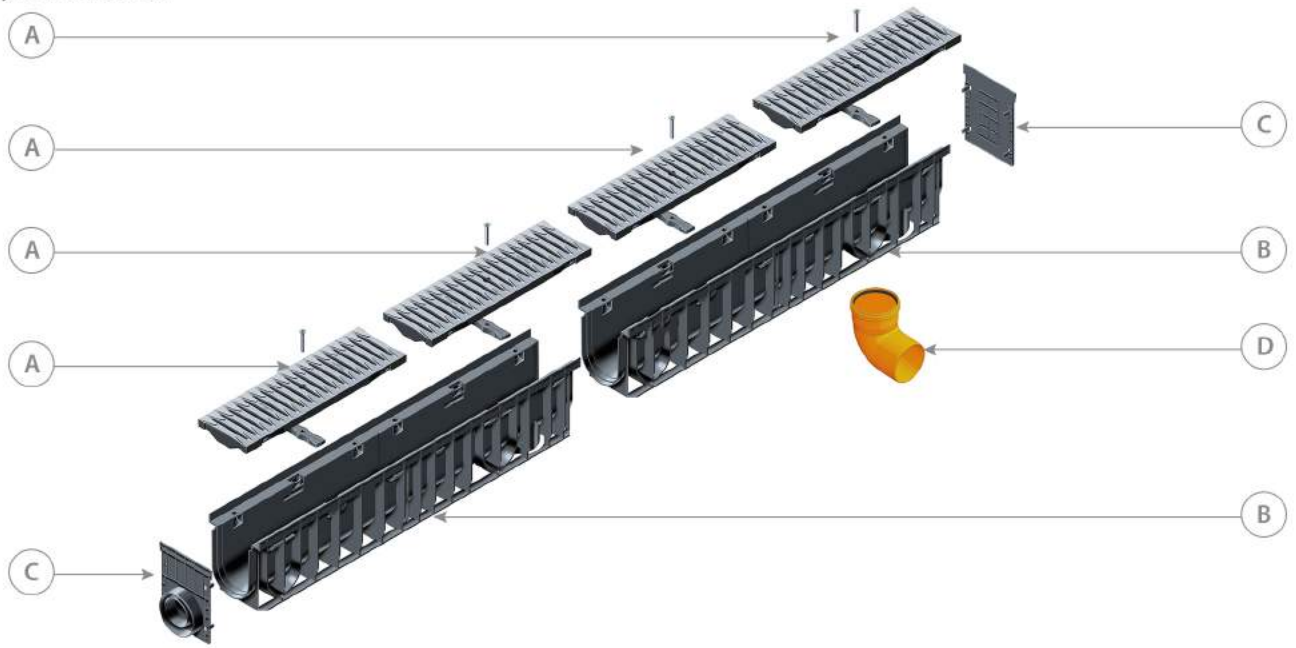
## Project applications for drainage systems



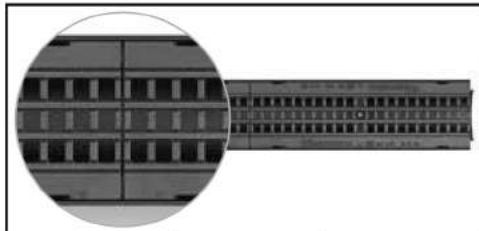
# Hauraton Recyfix System Components

A complete drainage system consist of:

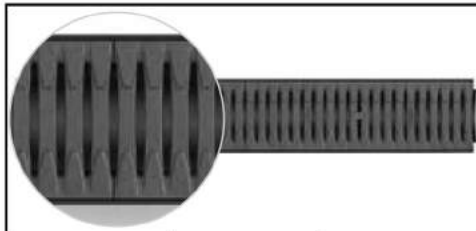
- A. Gratings
- B. Channels
- C. End caps
- D. PVC-pipe



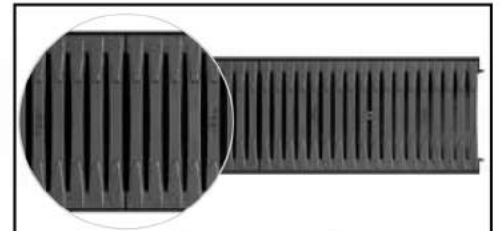
## Hauraton Grating Designs



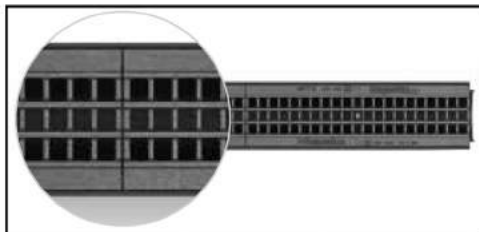
Product	Mesh Width	Application
GUGI-Mesh gratings composite material	15 x 25 mm	RECYFIX® PRO 100



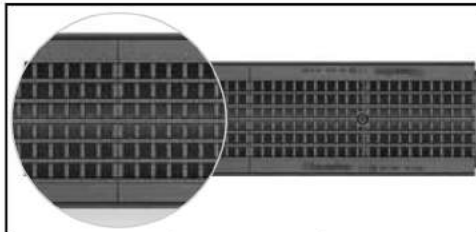
Product	Bar Distance	Application
FIBRETEC® Slotted gratings in Black	9 mm	RECYFIX® PRO 100



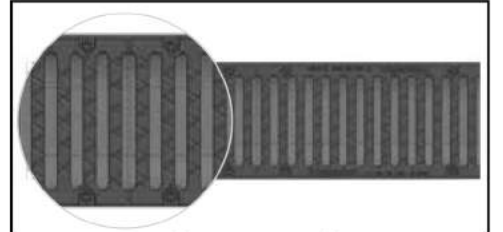
Product	Bar Distance	Application
FIBRETEC® Slotted gratings composite material	9 mm	RECYFIX® PRO 200



Product	Mesh Width	Application
GUGI ductile iron gratings	15 x 25 mm	RECYFIX® STANDARD 100



Product	Mesh Width	Application
GUGI ductile iron gratings	15 x 25 mm	RECYFIX® STANDARD 200



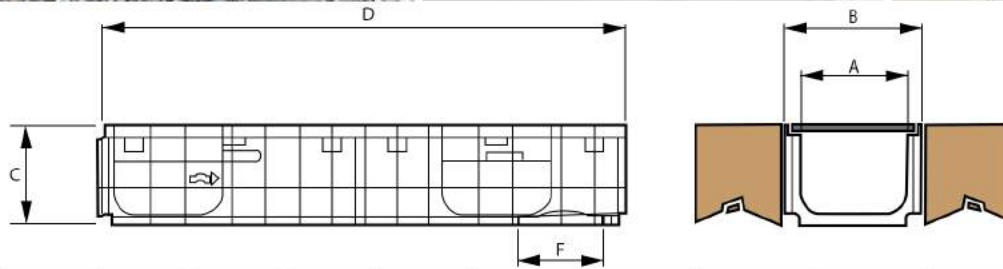
Product	Bar Distance	Application
Ductile iron slotted gratings	18 mm	RECYFIX® NC 200









**On request also  
in colours available**

# RECYFIX®PRO

Corrosion-free drainage system for private and public areas



PRODUCT	CODE	MODEL	A	B	C	D	E	CLASS A 15 kN, 0.9 t wheel load	CLASS B 125 kN, 7.5 t wheel load	CLASS C 250 kN, 15 t wheel load	CLASS D 400 kN, 24 t wheel load	CLASS E 600 kN, 36 t wheel load	CLASS F 900 kN, 54 t wheel load
			CLEAR OPENING (mm)	CHANNEL Width (mm)	HEIGHT (mm)	LENGTH (mm)	OUTLET (mm)	 PEDESTRIAN	 LIGHT COMMERCIAL	 HEAVY COMMERCIAL	 HEAVY INDUSTRIAL	 LOGISTICS WAREHOUSE	 AIRPORT
RECYFIX PRO 100 CLASS B 125	* 47035	TYPE 01	100	160	150	1000	110						
	* 47040	TYPE 010	100	160	200	1000	110						
	48623	TYPE 020	100	160	250	1000	110						
	47032	TYPE 75	100	160	75	1000	110						
	47033	TYPE 95	100	160	95	1000	110						
RECYFIX PRO 100 CLASS C 250	47055	TYPE 01	100	160	150	1000	110						
	* 47060	TYPE 010	100	160	200	1000	110						
	48625	TYPE 020	100	160	250	1000	110						
	* 47062	TYPE 75	100	160	75	1000	110						
	47063	TYPE 95	100	160	95	1000	110						
RECYFIX PRO 200 CLASS B 125	47246	TYPE 01	200	262	200	1000	110						
	47233	TYPE 115	200	262	115	1000	110						

## RECYFIX PRO 100 CLASS C & CLASS B ACCESSORIES

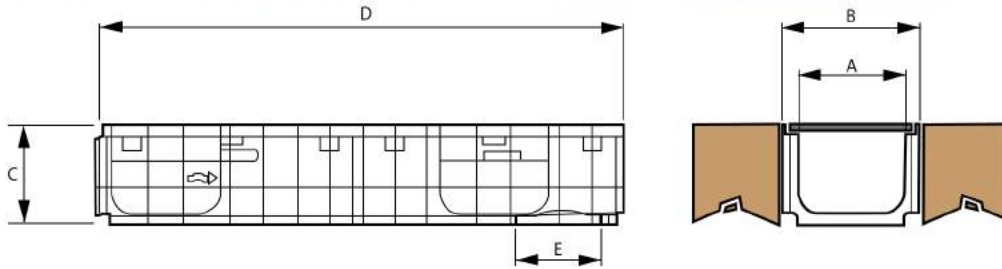
MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed for type 01	48681	-	160	124
2. End cap made of PP with outlet DN 100 for type 010	47093	-	160	201
3. Mud bucket vertical DN 100, black	40790	100	85	85







## RECYFIX PRO 200 CLASS B 125 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap combined made of PP closed / with outlet DN 100, Type 010	41387	-	258	217
2. Mud bucket DN 150	845	-	-	180

# RECYFIX® STANDARD

Linear drainage channels for public and commercial area.



PRODUCT	CODE	MODEL	A	B	C	D	E	CLASS A 15 kN, 0.9 t wheel load	CLASS B 125 kN, 7.5 t wheel load	CLASS C 250 kN, 15 t wheel load	CLASS D 400 kN, 24 t wheel load	CLASS E 600 kN, 36 t wheel load	CLASS F 900 kN, 54 t wheel load
			CLEAR OPENING (mm)	CHANNEL Width (mm)	HEIGHT (mm)	LENGTH (mm)	OUTLET (mm)	 PEDESTRIAN	 LIGHT COMMERCIAL	 HEAVY COMMERCIAL	 HEAVY INDUSTRIAL	 LOGISTICS WAREHOUSE	
RECYFIX STANDARD 100 CLASS C 250	40234	TYPE 01	100	150	134	1000	110						
	* 40299	TYPE 010	100	150	185	1000	110						
	40239	TYPE 60	100	150	60	1000	110						
	40253	TYPE 80	100	150	80	1000	110						
RECYFIX STANDARD 200 CLASS C 250	* 40665	TYPE 01	200	256	185	1000	110 or 160						
	40666	TYPE 020	200	256	235	1000	110 or 160						
	* 40641	TYPE 100	200	256	100	1000	110 or 160						
RECYFIX STANDARD 300 CLASS C 250	* 40870	TYPE 01	300	350	292	1000	160 or 200						
	40875	TYPE 010	300	350	381	1000	160 or 200						

## RECYFIX STANDARD 100 CLASS C 250 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed, galvanised, Type 01	48081	-	160	160
2. End cap made of PP with outlet DN 100 for type 010	40283	-	148	201
3. Mud bucket vertical DN 100, black	40293	100	100	85

## RECYFIX STANDARD 200 CLASS C 250 ACCESSORIES

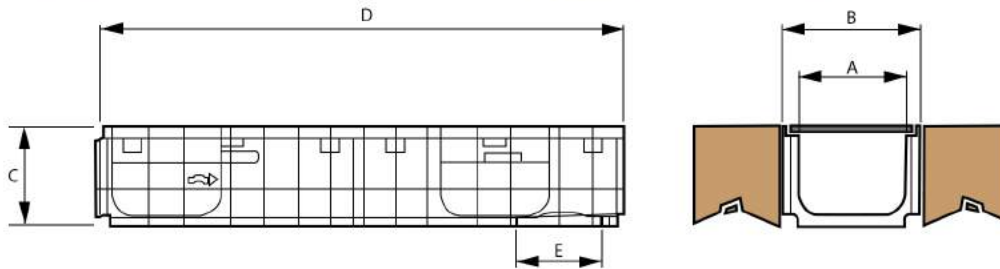
MODEL	CODE	LENGTH	WIDTH	HEIGHT
1. End cap combined made of PP closed / with outlet DN 100, Type 010	40792	-	258	199
2. Mud bucket DN 150	845	-	-	180

## RECYFIX STANDARD 300 CLASS C 250 ACCESSORIES

MODEL	CODE	LENGTH	WIDTH	HEIGHT
1. End cap closed galvanized, type 01	40882	-	360	340
2. End cap with vertical uPVC outlet, galvanized type 01	40892	-	360	340
3. Mud bucket DN 150	845	-	-	340

# TOP X

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



PRODUCT	CODE	MODEL	A	B	C	D	E	CLASS A	CLASS B	CLASS C	CLASS D	CLASS E	CLASS F
			CLEAR OPENING (mm)	FRAME OVERALL (mm)	HEIGHT (mm)	LENGTH (mm)	OUTLET (cm <sup>2</sup> )	15 kN, 0.9 t wheel load	125 kN, 7.5 t wheel load	250 kN, 15 t wheel load	400 kN, 24 t wheel load	600 kN, 36 t wheel load	900 kN, 54 t wheel load
TOP X with MESH GRATING	44320	Black Mesh GratinG MW81 PP Black	90	119	89	1000	DN70	 PEDESTRIAN	 LIGHT COMMERCIAL	 HEAVY COMMERCIAL	 HEAVY INDUSTRIAL	 LOGISTICS WAREHOUSE	 AIRPORT

## TOP X ACCESSORIES



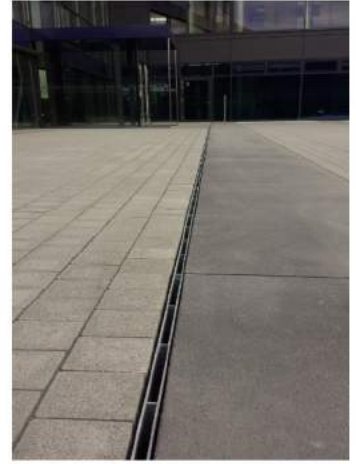
MODEL	CODE	LENGTH	WIDTH	HEIGHT
Connection set for channel with end caps, leaf trap, adapter, foul air trap, black, including assembly instruction	44343	-	-	

## TOP X UNIVERSAL BOX

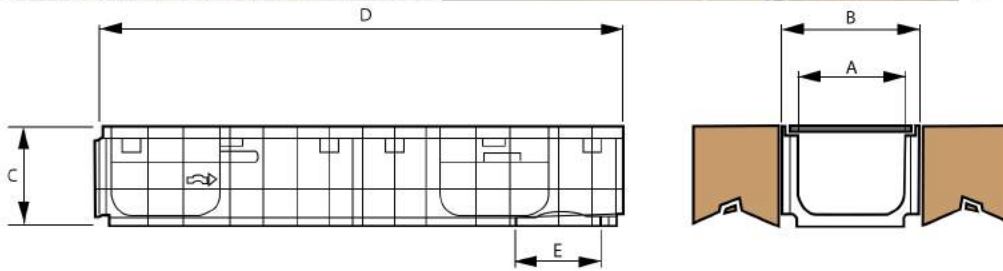


MODEL	CODE	LENGTH	WIDTH	HEIGHT
Connection set for channel with end caps, leaf trap, adapter, foul air trap, black, including assembly instruction	44360	-	-	

# SLOTTED CHANNEL



ATOILL Centre, Beaucaouz, France



PRODUCT	CODE	MODEL	A	B	C	D	E	F	CLASS A	CLASS B	CLASS C	CLASS D	CLASS E	CLASS F
			CLEAR OPENING (mm)	FRAME OVERALL (mm)	HEIGHT (mm)	LENGTH (mm)	OUTLET (cm <sup>2</sup> )	INTAKE (cm <sup>2</sup> /M)	15 kN, 0.9 t wheel load	125 kN, 7.5 t wheel load	250 kN, 15 t wheel load	400 kN, 24 t wheel load	600 kN, 36 t wheel load	900 kN, 54 t wheel load
SLOTTED CHANNEL 100 RECYFIX STANDARD 150	452	Type 01	100	146	130	1000	1.9		PEDESTRIAN	LIGHT COMMERCIAL	HEAVY COMMERCIAL	HEAVY INDUSTRIAL	LOGISTICS WAREHOUSE	AIRPORT
	41021	Type 010	150	147	181	1000	2.5							

## GRATINGS FOR SLOTTED COVERS 100, NECK HEIGHT 160, CLASS C 250



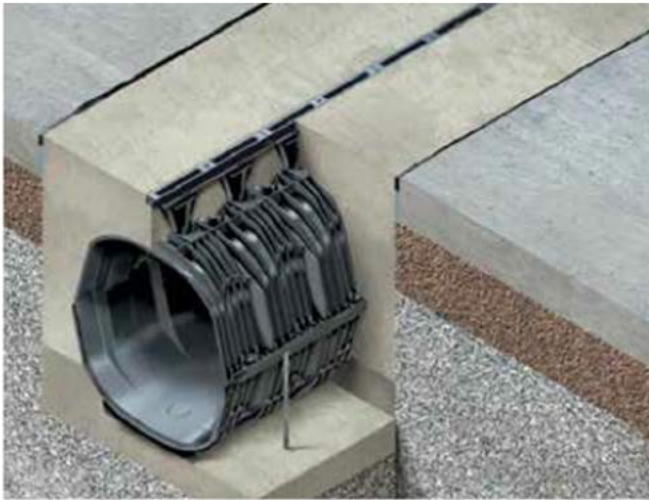
## RECYFIX PRO 100 CLASS C & CLASS B ACCESSORIES







MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed for type 01	48081	-	150	108
2. End cap closed for type 010	40282	-	150	160
3. Mud bucket vertical DN 100, black	40293	100	100	85



# RECYFIX®HICAP®F

rainage- and retention system for larger areas and highest loading capacities up to airports.



PRODUCT	CODE	MODEL	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	CLASS A	CLASS B	CLASS C	CLASS D	CLASS E	CLASS F
						15 kN, 0.9 t wheel load	125 kN, 7.5 t wheel load	250 kN, 15 t wheel load	400 kN, 24 t wheel load	600 kN, 36 t wheel load	900 kN, 54 t wheel load
						 PEDESTRIAN	 LIGHT COMMERCIAL	 HEAVY COMMERCIAL	 HEAVY INDUSTRIAL	 LOGISTICS WAREHOUSE	 AIRPORT
RECYFIX HI-CAP F 1000 CLASS D 400	13000	Type 1200, slot 6 mm	1000	146	465						
RECYFIX HI-CAP F 1000 CLASS F 900	13025	Type 1200, mesh 13/28 mm	1000	146	465						
	13035	Type 1200, slot 28 mm	1000	146	465						
	13023	Type 1200, slot 14 mm	1000	146	465						
RECYFIX HI-CAP F 2000 CLASS D 400	13010	Type 2200, slot 6 mm	1000	150	565						
RECYFIX HI-CAP F 2000 CLASS F 900	13020	Type 2200, mesh 13/28 mm	1000	150	565						
	13030	Type 2200, slot 28 mm	1000	150	565						
	13028	Type 2200, slot 14 mm	1000	150	565						
RECYFIX HI-CAP F 3000 CLASS D 400	13210	Type 3200, slot 6 mm	1000	210	580						
RECYFIX HI-CAP F 3000 CLASS F 900	13220	Type 3200, mesh 13/28 mm	1000	210	580						
	13230	Type 3200, slot 28 mm	1000	210	580						
	13225	Type 3200, slot 14 mm	1000	210	580						
RECYFIX HI-CAP F 5000 CLASS D 400	13410	Type 5200, slot 6 mm	1000	256	665						
RECYFIX HI-CAP F 5000 CLASS F 900	13420	Type 5200, mesh 13/28 mm	1000	256	665						
	13430	Type 5200, slot 28 mm	1000	256	665						
	13425	Type 5200, slot 14 mm	1000	256	665						
RECYFIX HI-CAP F 8000 CLASS D 400	13610	Type 8200, slot 6 mm	1000	432	950						
RECYFIX HI-CAP F 8000 CLASS F 600	13620	Type 8200, mesh 13/28 mm	1000	432	950						
	13630	Type 8200, slot 28 mm	1000	432	950						
	13625	Type 8200, slot 14 mm	1000	432	950						
RECYFIX HI-CAP F 8000 CLASS F 900	13670	Type 8300, mesh 13/28 mm	1000	432	1050						
	13680	Type 8300, slot 28 mm	1000	432	1050						
	13675	Type 8300, slot 14 mm	1000	432	1050						

# RECYFIX®HICAP®F

Drainage- and retention system for larger areas and highest loading capacities up to airports.

RECYFIX HI-CAP F 10000 CLASS F 400	13810	Type 10200, slot 6 mm	1145	760	1070					
	13870	Type 10300, mesh 13/28 mm	1145	760	1170					
	13880	Type 10300, slot 28 mm	1145	760	1170					
	13885	Type 10300, slot 14 mm	1145	760	1170					

## RECYFIX HI-CAP F 1000 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed, galvanised, type 1000	13013	-	140	250
2. End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 1000	13018	-	140	250

## RECYFIX HI-CAP F 3000 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed, galvanised, type 3000	13212	-	190	370
2. End cap with PVC-U pipe outlet DN/OD 160, galvanised, type 3000	13215	-	190	370
3. End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 2000	13015	-	140	350
3. Step-fall connector from RECYFIX HICAP 3000 to RECYFIX HICAP 2000	13017	-	180	345

## RECYFIX HI-CAP F 8000 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed, galvanised, type 8000	13612	-	420	720
2. End cap with PVC-U pipe outlet DN/OD 200, galvanised, type 8000	13615	-	420	720
3. Step-fall connector from RECYFIX HICAP 8000 to RECYFIX HICAP 5000	13417	-	-	-
4. Step-fall ramp, stainless steel, from RECYFIX HICAP 8000 to RECYFIX HICAP 5000	13695	258	291	254

## TRASH BOX

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. Trash box complete with ductile iron grating SW 3x140/20 mm, cl. E 600	16500	511	590	1114
2. Trash box complete with solid ductile iron cover, cl. E 600	16505	511	590	1114
3. Trash box connector incl. assembling, RECYFIX HICAP 1000	881	-	-	-
4. Trash box connector incl. assembling, RECYFIX HICAP 2000	882	-	-	-

## RECYFIX HI-CAP F 2000 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed, galvanised, type 2000	13012	-	140	350
2. End cap with PVC-U pipe outlet DN/OD 110, galvanised, type 2000	13015	-	140	350
3. Step-fall connector from RECYFIX HICAP 3000 to RECYFIX HICAP 2000	13019	-	180	245
3. Step-fall ramp, stainless steel, from RECYFIX HICAP 2000 to RECYFIX HICAP 2000	13195	99	97	-

## RECYFIX HI-CAP F 5000 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed, galvanised, type 5000	13412	-	240	450
2. End cap with PVC-U pipe outlet DN/OD 200, galvanised, type 5000	13415	-	240	450
3. Step-fall connector from RECYFIX HICAP 5000 to RECYFIX HICAP 3000	13217	-	-	-
4. Step-fall ramp, stainless steel, from RECYFIX HICAP 5000 to RECYFIX HICAP 3000	13295	84	197	80

## RECYFIX HI-CAP F 10000 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. end cap, black, incl. assembly set	96002	-	-	-
2. Step-fall connector from Recyfix Hicap 10000 to Recyfix Hi Cap 8000	13617	-	-	-
3. Step-fall ramp, stainless steel, from RECYFIX HICAP 10000 to RECYFIX HICAP 8000	13895	-	686	255

## TRASH BOX

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
5. Trash box connector incl. assembling, RECYFIX HICAP 3000	884	-	-	-
6. Trash box connector incl. assembling, RECYFIX HICAP 5000	886	-	-	-
7. Trash box connector incl. assembling, RECYFIX HICAP 8000	888	-	-	-

# OTHER PRODUCTS AVAILABLE

## RECYFIX® MONOTEC

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



CLASS A 15 kN, 0.9 t wheel load	CLASS B 125 kN, 7.5 t wheel load	CLASS C 250 kN, 15 t wheel load	CLASS D 400 kN, 24 t wheel load	CLASS E 600 kN, 36 t wheel load	CLASS F 900 kN, 54 t wheel load
 PEDESTRIAN	 LIGHT COMMERCIAL	 HEAVY COMMERCIAL	 HEAVY INDUSTRIAL	 LOGISTICS WAREHOUSE	 AIRPORT

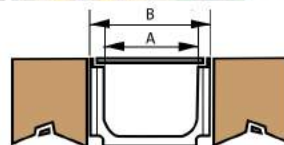
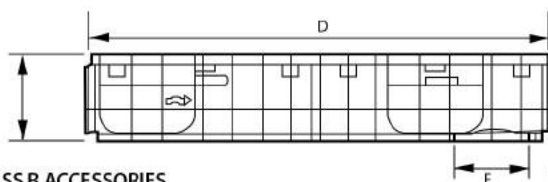


## RECYFIX® NC

Linear drainage channels for public and commercial area.



PRODUCT	CODE	MODEL	A	B	C	D	E
			CLEAR OPENING (mm)	FRAME OVERALL (mm)	HEIGHT (mm)	LENGTH (mm)	OUTLET (Ø)
RECYFIX NC 100 CLASS E 600	48770	Type 01	100	160	150	1000	110 / 160
	48772	Type 010	100	160	200	1000	110 / 160
	48776	Type 020	100	160	250	1000	110 / 160
	48774	Type 75	100	160	75	1000	110 / 160
RECYFIX NC 200 CLASS E 600	49572	Type 010	200	262	200	1000	110 / 160



### RECYFIX PRO 100 CLASS C & CLASS B ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap closed for type 01	48681	-	160	124
2. End cap made of PP with outlet DN 100 for type 010	47093	-	160	201
3. Mud bucket vertical DN 100, black	40293	100	100	85

### RECYFIX PRO 200 CLASS B 125 ACCESSORIES

MODEL	CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
1. End cap combined made of PP closed / with outlet DN 100, Type 010	41387	-	258	217
2. Mud bucket DN 150	845	-	-	180

# Advantages of Installing Our Product

Money-saving installation, easy to process



## Requirements

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.

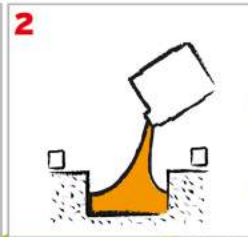
Note: Look up our current installation instructions on the internet under [www.hauraton.ph](http://www.hauraton.ph)

## Step by step installation instructions

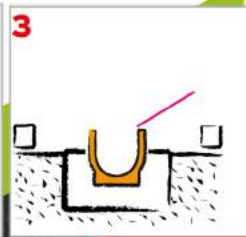
Example for paving installation



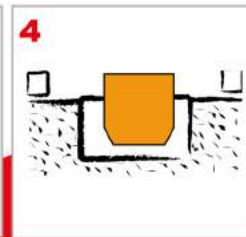
1 Dig a trench.



2 Fill with concrete and space it out evenly.



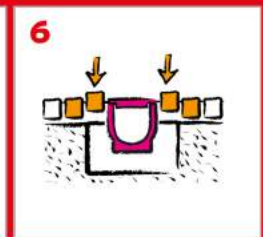
3 Stretch a line along the installation line. Lay the channel along this line. Connection to the sewage pipe: with trash boxes or endcap with outlet.



4 Place the closed end cap at the start of the channel run.



5 Prepare a lateral backing structure made of concrete.



6 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.



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