

RECYFIX[®] SLOTTED

Channel system for pedestrian walkways,
trafficked station concourses, public
squares in town and city centres -
to load class D400kN



Contents

Product range		Loading category	Page
RECYFIX SLOTTED	Overview		3
	Applications - Features & Benefits		4-5
RECYFIX STANDARD 100	RECYFIX Standard 100 channel Slotted covers, neck height 105mm	Class D400	6
	Accessories - trashbox and end caps Asymmetric external & internal corners Asymmetric twin slotted cover, neck height 105mm	Class D400	7
RECYFIX STANDARD 150	RECYFIX Standard 150 channel Slotted covers, neck height 150mm	Class D400	8
	Accessories - Trash boxes and end caps	Class D400	9
RECYFIX STANDARD 200	RECYFIX Standard 200 channel Slotted covers, neck height 105mm	Class D400	10
	Accessories - Trash boxes and end caps	Class D400	11



Huddersfield Leisure Centre



Whitley Shopping Centre



Heslington East Campus installation

RECYFIX® SLOTTED

Slotted channels for design-sensitive applications

Discreet yet efficient drainage, that is easily installed into all surface finishes. Slotted components either stainless steel or galvanised with heelsafe options. Channel body made from 100% recycled polypropylene (PP). All channel components fully recyclable.

1 Requirements

For the drainage of areas with architectural demands:

- where the surface drainage has to be discreet
- where installation of all surfaces, including stone slabs, should be possible
- where surface water needs to be drained reliably

2 Application areas

For concourse areas and façades with high visual demands:

- especially in public and commercial areas

3 Solutions

- only show narrowest of slots on the surface
- allows integrated uniform design
- drainage requirements are completely met
- easy access to channel run through access cover
- slot components made of galvanised steel or stainless steel

For other sizes and versions of SLOTTED Channel refer to the Customised Channel brochure. Other upstand sizes and loading category Class available on request.

A selection of Hydraulic Performance tables for the most popular sizes of FASERFIX® and RECYFIX® channels including the RECYFIX® MONOTEC and RECYFIX® HICAP® ranges are available on request in an 8 page hard copy or PDF publication.

Hauraton channel drainage configurations are designed and sized using in-house **Hydraulic design software**. The accuracy of the software has been verified by physical testing of Hauraton systems within a hydraulic discharge test flume, replicating and evaluating hundreds of flow scenarios.

Hydraulic design software is also available free of charge to industry professionals. Intuitive and user friendly, **Hauraton Design Software** allows engineers to create drainage schemes for the company's range of civil engineering systems on tablets, desktop computers or through the internet (web-based application).

For smaller projects where a quick indication of the appropriate channel size and system is required for a given catchment area, Hauraton can provide their **Hydraulic Design App**.

For further details contact the Hauraton Technical Support Team



RECYFIX® 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 parking bays or similar applications



CATEGORY D 400, Load class 400 kN

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

In case of doubts, the higher category should be used.



Individual solutions

- slotted components made of galvanised steel or stainless steel
- symmetrical and asymmetrical versions
- slotted components with modified neck height and crossbars in the slot, can be manufactured to bespoke order
- easy preparation of corner connections possible
- normal width of all slot openings 10mm

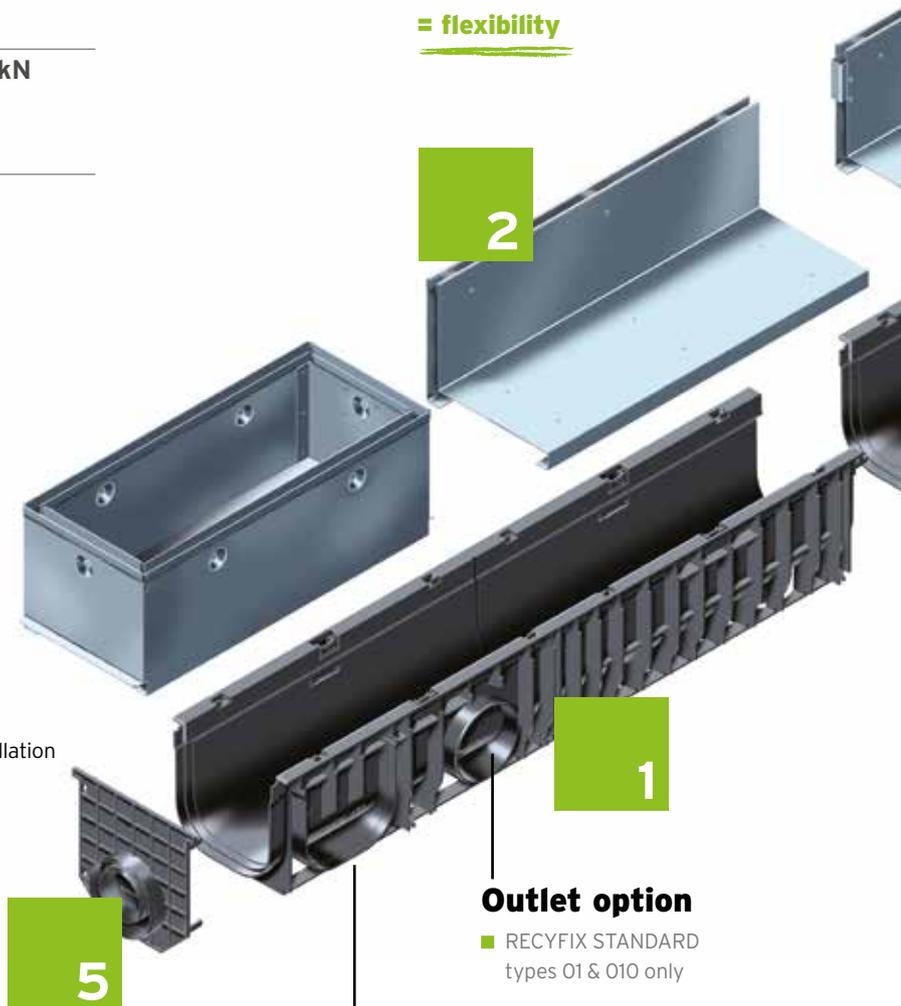
= **flexibility**



Easy installation

- easy handling and installation
- integrated tongue and groove connection of channels and slot components allows an easy installation

= **cost reduction**



Outlet option

- RECYFIX STANDARD types 01 & 010 only

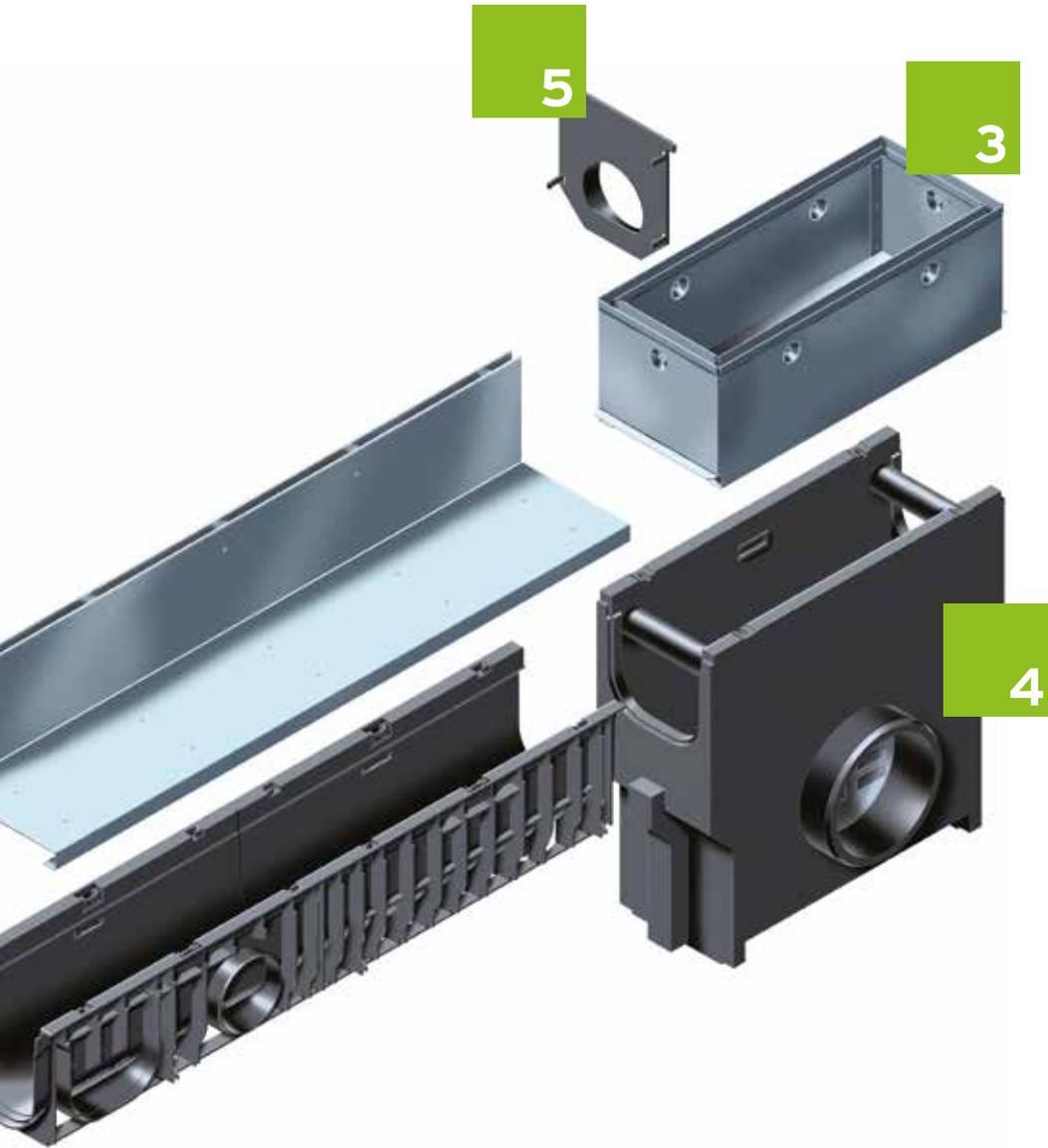
Connection option

- RECYFIX STANDARD types 01 & 010 only

Intake Capacity Values for 10mm wide slot

Grating Design	Slot Width (mm)	Intake Area (cm ² /m)	Max. Flow Rate (l/s/m)	*Area Drained/1m (m ²)
Longitudinal Slotted Cover	10.0	100	6.7	482

*Area drained in square metres (per linear metre of channel) at a rainfall intensity rate of 50mm/hour. Further information regarding Intake Capacity can be provided on request.



Technical features of the slot components

- strengthened slot edge
- reinforcements and material thickness provide perfect balance between weight and stability

= quality / security

Connection possibilities

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

= flexibility



Standard symmetrical slotted channel

1

- RECYFIX channels made of PP in nominal sizes 100, 150 and 200 with tongue and groove connection.

2

- Symmetrical or asymmetrical covers made of galvanised or stainless steel.

3

- Access cover normally fitted on top of trash box but can also be fitted directly on channel component.

4

- Trash box with pipe connection points..

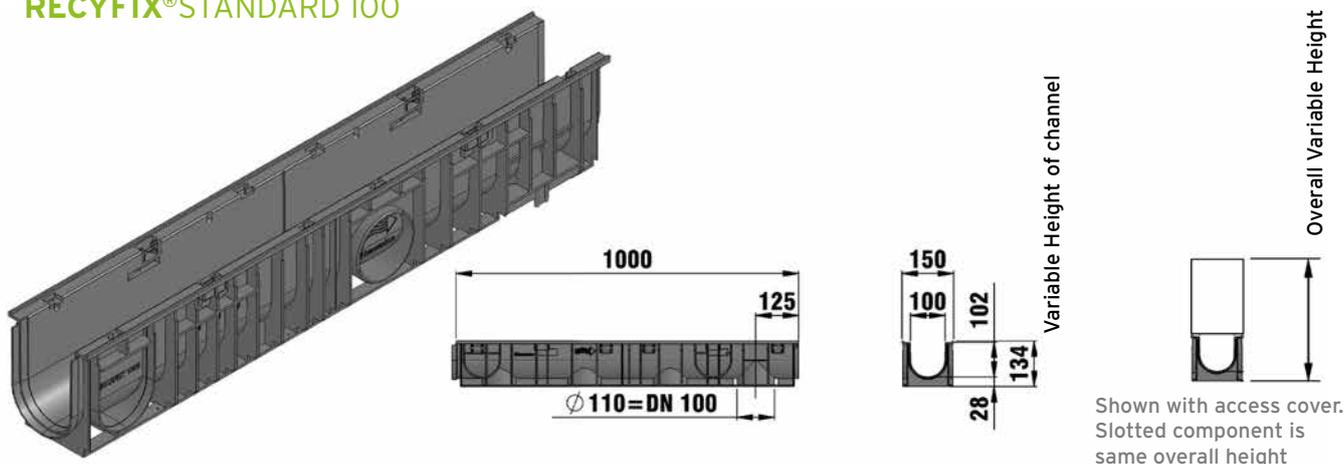
5

- End caps with or without outlets.

RECYFIX® SLOTTED 100

Channel

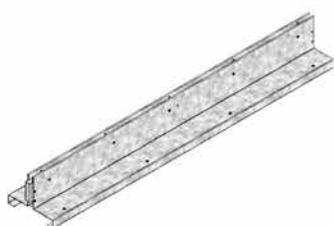
RECYFIX® STANDARD 100



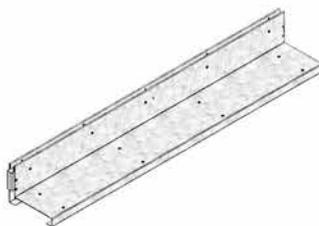
	Length mm	Width mm	Height mm	Invert mm	Drainage cross-sect. cm ²	Weight kg	Item No.	Height with access/slot cover mm
Type 60	1000	150	60	40	35	1,0	40222	191
Type 80	1000	150	80	60	55	1,4	40223	211
Type 01	1000	150	134	106	92	1,9	48000	266
Type 010	1000	150	185	157	142	3,0	40242	316

Other heights on request.

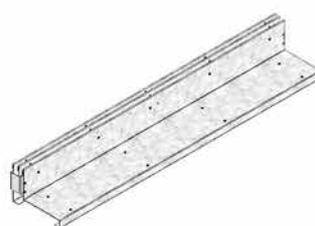
Slotted Covers, neck height 105mm, Class D 400



Symmetric single slot



Asymmetric single slot



Asymmetric twin slot



Access cover/Trash box

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item No. galvanised.	Item No. stainless steel
Symmetric single slot -10mm	1000	160	135	125	7,0	5711	N/A
Asymmetric single slot -10mm	1000	160	135	125	3,6	5712	5772
Asymmetric twin slot - 2 x 10mm	1000	160	135	250	5,0	T5100A	T5100AS
Access cover/Trash box	500	160	135	-	7,0	5748	5778
Extraction tool for access covers (2 pieces required)	-	-	-	-	0,8	740	N/A

NOTES

The 10mm slot openings are not the limiting factor regarding system capacity.

The size, type, configuration and design of the channel system along with its location, the number and size of the outlet pipes will generally determine the systems capacity.

For intake capacity data for all slot configurations and general technical support please email technical@hauraton.co.uk

Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30m.

Stainless steel covers also available - details on request

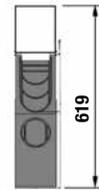
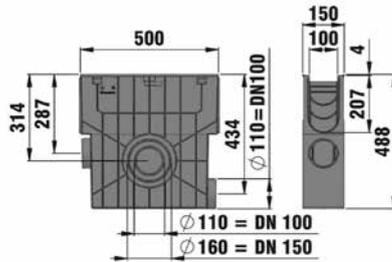
RECYFIX® SLOTTED 100

Accessories

RECYFIX® STANDARD 100



Trash box with mud bucket



Overall height with access cover



Asymmetric external corners



End cap, closed for type 01



End cap combined made of PP with outlet DN 70, type 010



Asymmetric internal corners

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with mud bucket	500	150	488	4,2	40852
End cap, closed for type 01	-	-	-	0,2	48081
End cap with outlet for type 01	-	-	-	0,7	48091
End cap combined made of PP with outlet DN 70, type 010	-	148	185	0,1	40283
End cap closed, made of PP, for Type 80	-	147	64	0,2	40291
Asymmetric external corner single slot galvanised	-	-	-	-	5712 GEC
Asymmetric internal corner single slot galvanised	-	-	-	-	5712 GIC
Asymmetric external corner single slot stainless steel	-	-	-	-	5712 SSEC
Asymmetric internal corner single slot stainless steel	-	-	-	-	5712 SSIC

NEW Asymmetric Twin Slotted Cover, neck height 105mm **Class D 400**

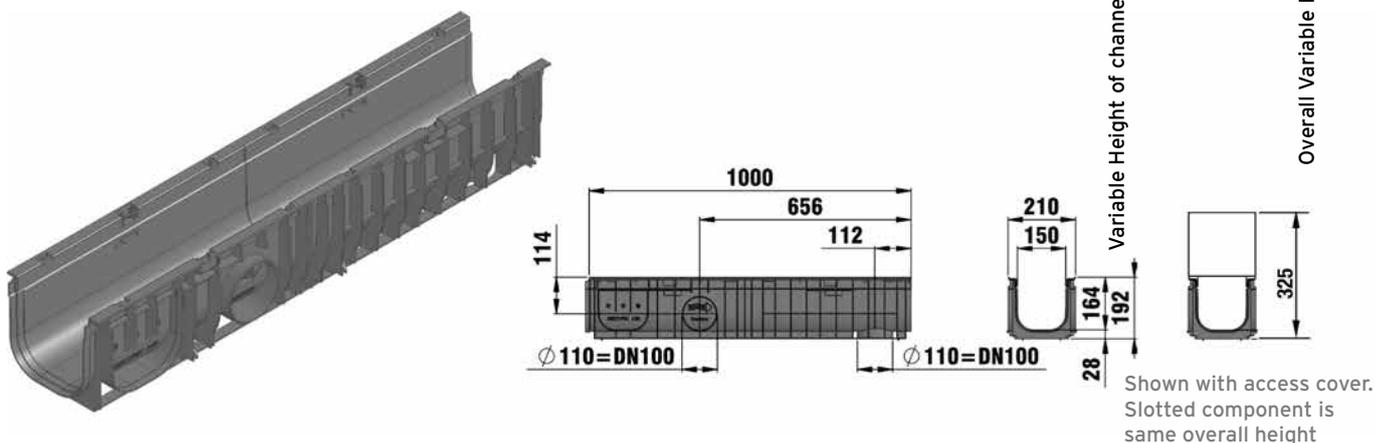


Asymmetric Twin Slotted Cover available in galvanised steel or stainless steel, suitable for fitting to RECYFIX SLOTTED 100 channels, types 60, 80, 01 and 010 - see table page 6.

RECYFIX® SLOTTED 150

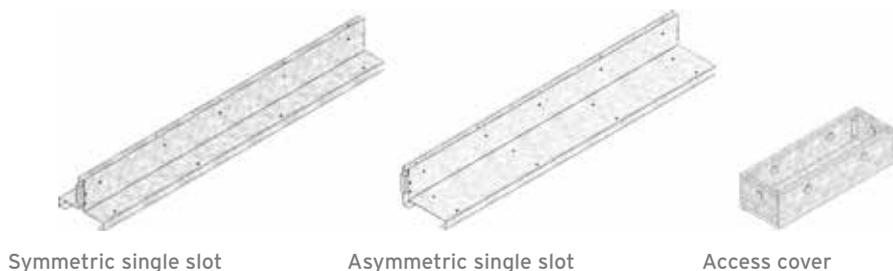
Channel

RECYFIX® STANDARD 150



	Length mm	Width mm	Height mm	Invert mm	Drainage cross-sect. cm ²	Weight kg	Item No.	Height with access/slot cover mm
Type 01	1000	210	192	164	225	2,8	40100	323

Slotted Covers, neck height 105mm, Class D 400



	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item No. galvanised.	Item No. stainless steel
Symmetric single slot -10mm	1000	210	135	125	11,0	410	413
Asymmetric single slot -10mm	1000	210	135	125	8,9	411	414
Access cover	500	210	135	-	8,0	470	415
Extraction tool for access covers (2 pieces required)	-	-	-	-	0,8	740	N/A

NOTES

The 10mm slot openings are not the limiting factor regarding system capacity. The size, type, configuration and design of the channel system along with its location, the number and size of the outlet pipes will generally determine the systems capacity. For intake capacity data for all slot configurations and general technical support please email technical@hauraton.co.uk

Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30m. Stainless steel covers also available - details on request

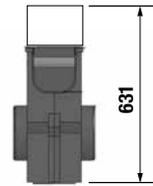
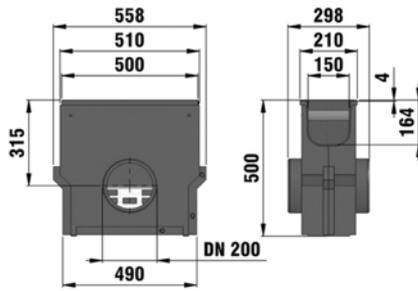
RECYFIX® SLOTTED 150

Accessories

RECYFIX® STANDARD 150



Trash box with galvanised mud bucket



Overall height with access cover

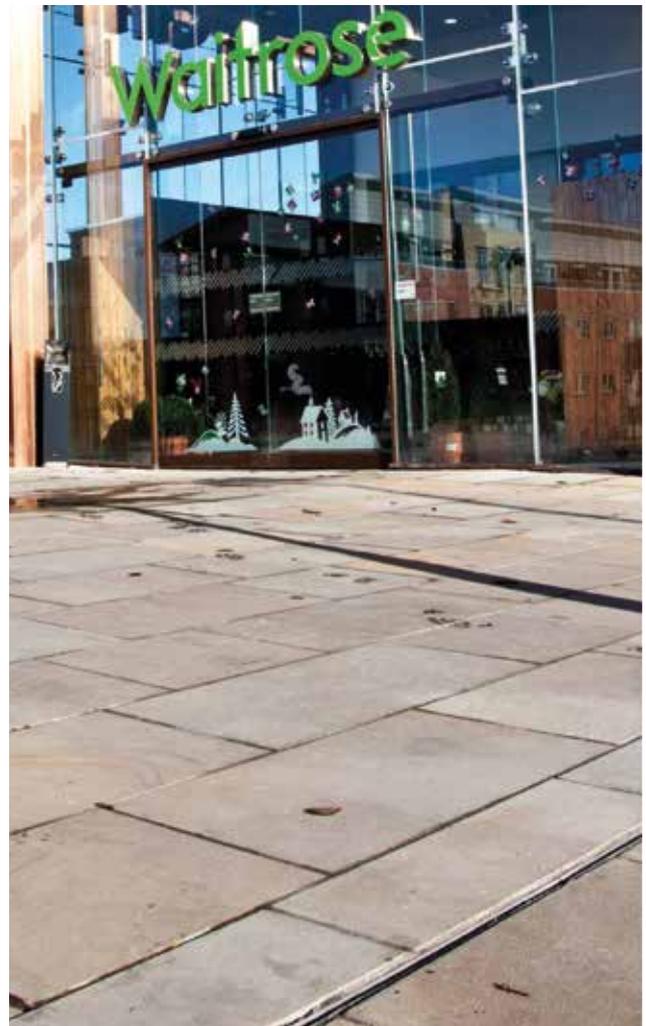


End cap combined made of PP with outlet DN 70/100, Type 01

	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with galvanised mud bucket	500	210	500	14,9	40152
End cap combined made of PP with outlet DN 70/100, Type 01	29	210	203	0,1	40191



Central St. Giles, London

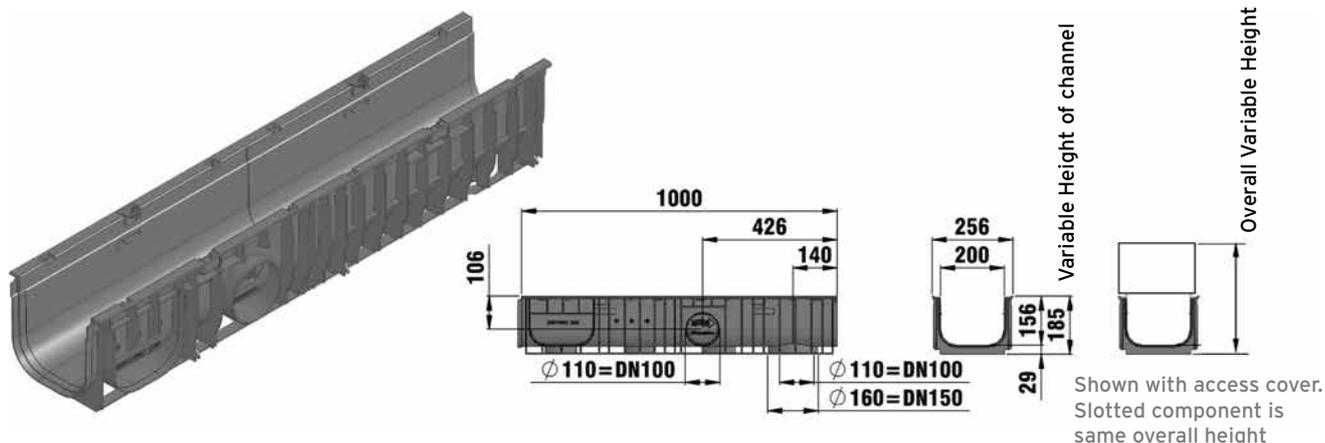


Waitrose, Boughton, Chester

RECYFIX® SLOTTED 200

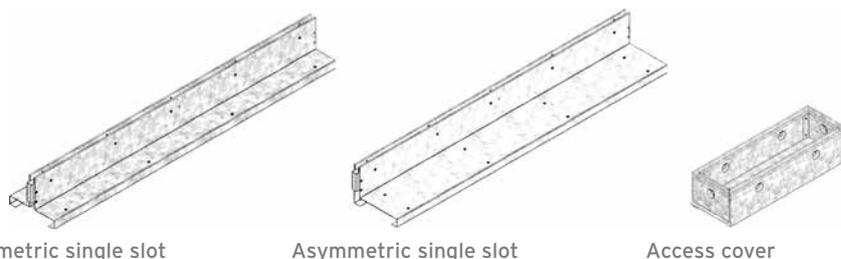
Channel

RECYFIX® STANDARD 200



	Length mm	Width mm	Height mm	Invert mm	Drainage cross-sect. cm ²	Weight kg	Item No.	Height with access/slot cover mm
Type 010	1000	256	185	156	290	3,0	40642	316
Type 020	1000	256	235	206	366	3,5	40644	366

Slotted Covers, neck height 105mm, Class D 400



	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item No. galvanised	Item No. stainless steel
Symmetric single slot -10mm	1000	256	135	125	8,9	417	423
Asymmetric single slot -10mm	1000	256	135	125	8,9	418	421
Access cover	500	256	135	-	7,9	419	422
Extraction tool for access covers (2 pieces required)	-	-	-	-	0,8	740	N/A

NOTES

The 10mm slot openings are not the limiting factor regarding system capacity. The size, type, configuration and design of the channel system along with its location, the number and size of the outlet pipes will generally determine the systems capacity. For intake capacity data for all slot configurations and general technical support please email technical@hauraton.co.uk

Bigger nominal sizes and individual neck heights as tailor-made production possible for more than 30m. Stainless steel covers also available - details on request

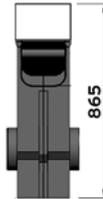
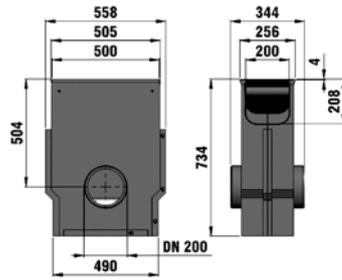
RECYFIX® SLOTTED 200

Accessories

RECYFIX® STANDARD 200



Trash box with galvanised mud bucket



Overall height with access cover



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 galvanised mud bucket	500	256	734	25,0	40652
End cap combined made of PP with outlet DN 70/100, Type 01	29	268	183	0,2	40692





03/2018 |
All drawings, measurements and weights
are non-committal! We reserve the right to
do technical changes for improvement

HAURATON LIMITED

Unit 4, Frenchs Avenue
Dunstable, Bedfordshire
LU6 1BH

Tel. 01582 501380

Fax 01582 501399

technical@hauraton.co.uk

www.hauraton.co.uk

