

RECYFIX® SLOTTED

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



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Huddersfield Leisure Centre



Whitely 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

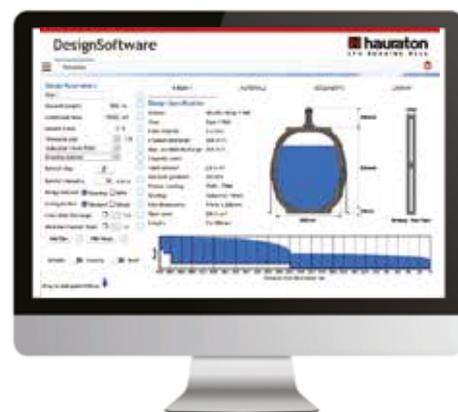
For other sizes and versions of SLOTTED Channel refer to the Customised Channel brochure. Other upstand sizes and radius available on request.

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

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).



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
- 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

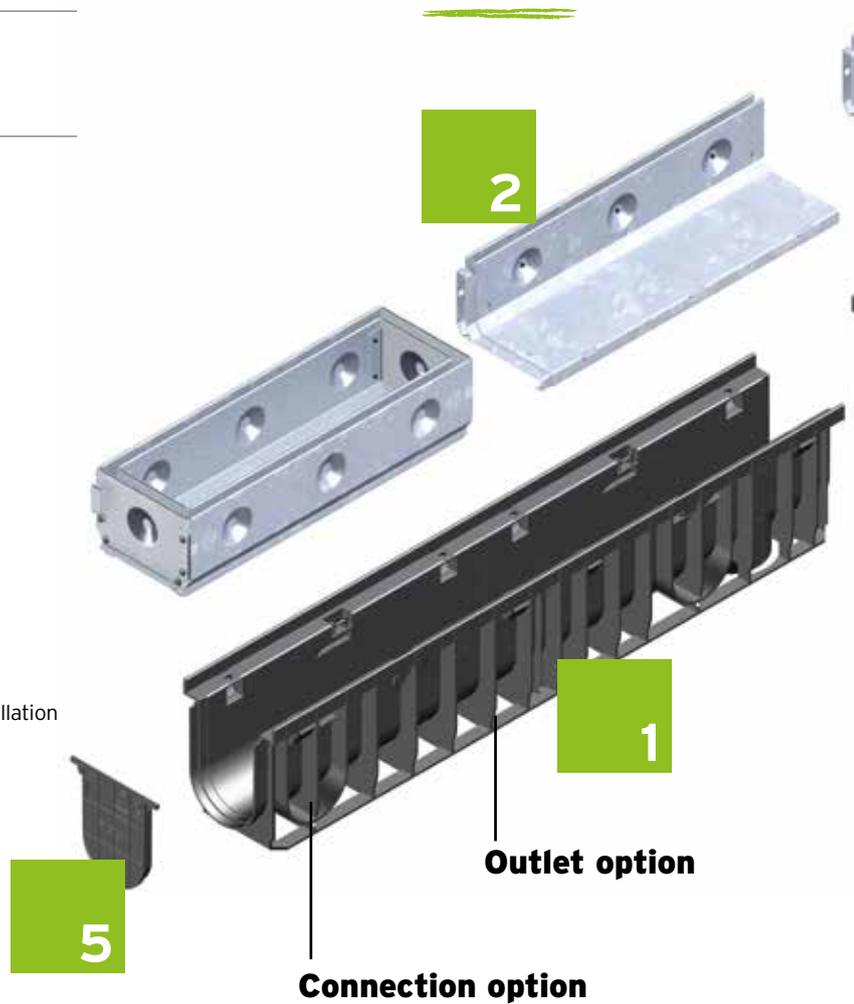
= **flexibility**



Easy installation

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

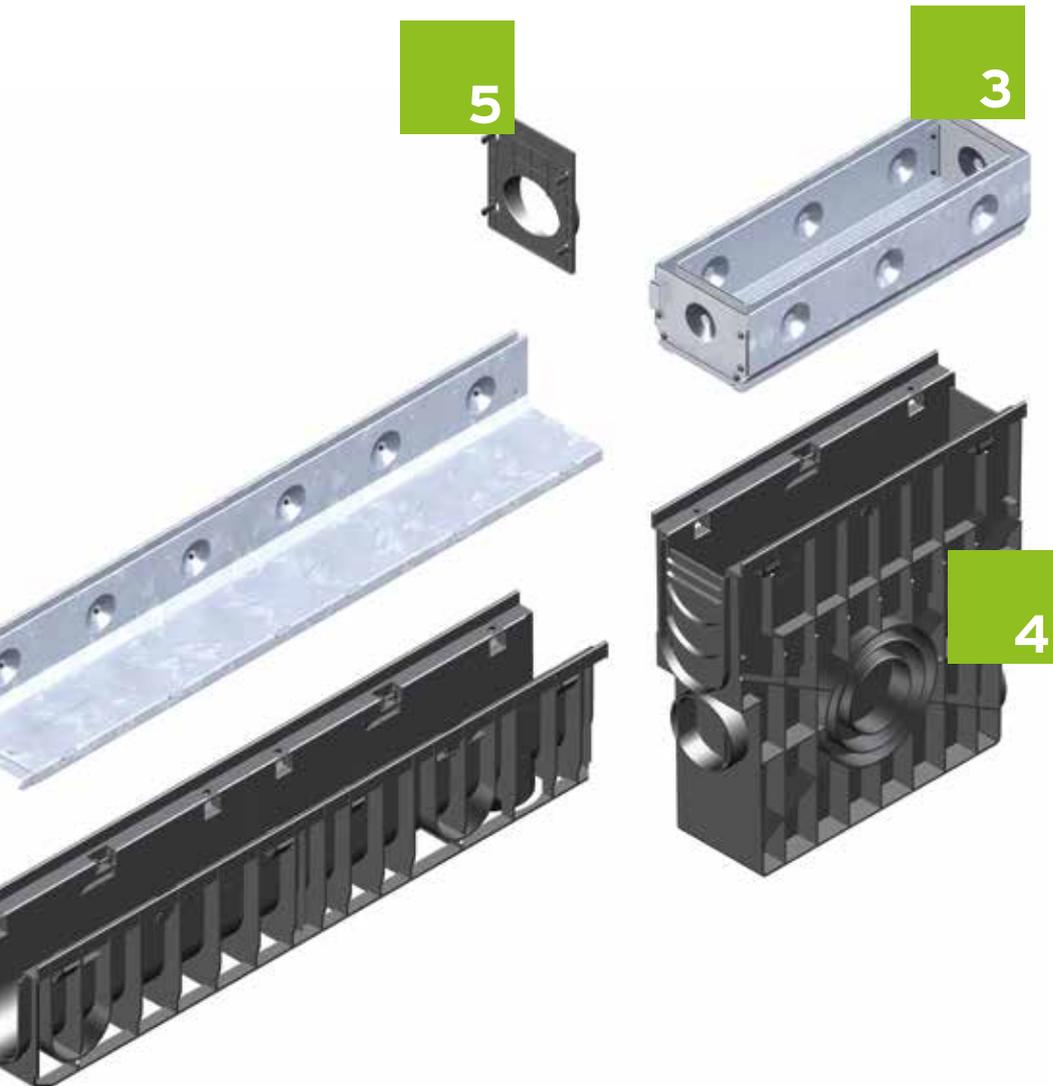
= **cost reduction**



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/lm (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

1

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

2

- 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 base.

4

- Trash box with pipe connection points..

5

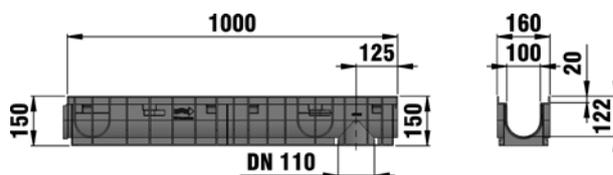
- End caps with or without outlets.

RECYFIX® SLOTTED 100

Channels

RECYFIX® PRO 100

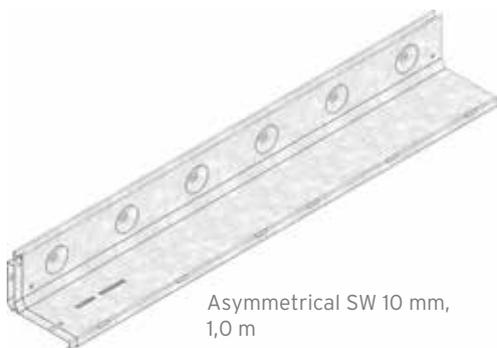
Type 01, 1,0 m



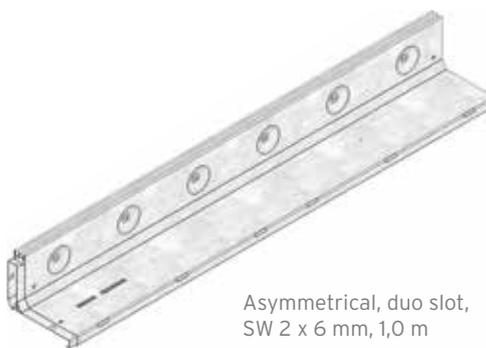
	Length mm	Width mm	Height mm	Internal channel cross-sect. cm ²	Weight kg	Item No.
Type 75, 1,0 m	1000	160	75	35	1,17	47030
Type 95, 1,0 m	1000	160	95	55	1,57	47031
Type 01, 1,0 m	1000	160	150	92	2,16	48600
Type 010, 1,0 m	1000	160	200	142	2,67	48642
Type 020, 1,0 m	1000	160	250	192	3,57	48620

Gratings

SLOTTED COVERS 100, neck height 105 mm, class D 400



Asymmetrical SW 10 mm,
1,0 m



Asymmetrical, duo slot,
SW 2 x 6 mm, 1,0 m



End cap, closed

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetrical SW 10 mm, 1,0 m	1000	156	126	120	6,02	5712	5772
Access cover asymmetrical, SW 12 mm, 0,5 m	500	163	126	5,22	5,22	5748	5778
Asymmetrical, duo slot, SW 2 x 10 mm, 1,0 m	1000	156	126	120	8,31	TS100A	TS100AS
Access cover asymmetrical, duo slot, SW 2 x 6 mm, 0,5 m	500	163	125	6,71	6,71	32746	32747
End cap, closed	-	284	124	0,13	0,13	32838	32839
End cap for duo slot, closed	-	279	124	0,13	0,13	32844	32845
Extraction bail for access covers (2 pieces required)	-	396	150	0,77	0,77	740	-
Extraction bail for integrated access cover and for access cover with duo slotted cover (1 pair)	31	6	192	0,12	0,12	32850	-

The quality of stainless steel material corresponds to CNS 1.4301 or CNS 1.4307.

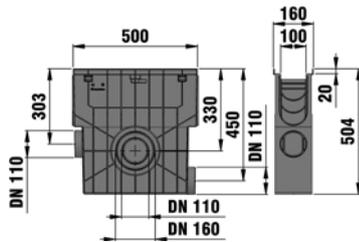
RECYFIX® SLOTTED 100

Accessories

RECYFIX® PRO 100



Trash box with PE mud bucket



End cap closed for type 01



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



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

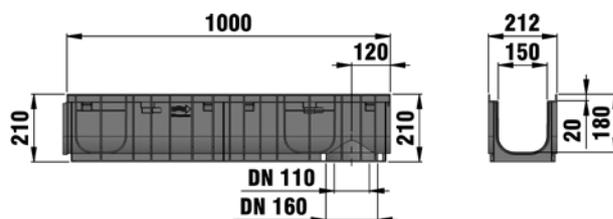
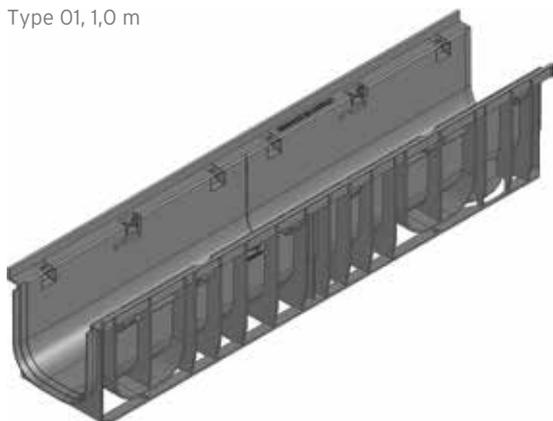
	Length mm	Width mm	Height mm	Weight kg	Item No.
Trash box with PE mud bucket	500	160	504	4,38	48651
End cap closed for type 01	-	160	124	0,04	48681
End cap made of PP with outlet DN/OD 110, type 01	-	160	201	0,08	48691
End cap closed for type 010	-	160	176	0,05	47082
End cap made of PP with outlet DN/OD 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
End cap type 95	-	160	81	0,04	47098
Foul air trap for RECYFIX trash box 100	75	78	135	0,08	967
Foul air trap, vertical, DN/OD 110	-	187	181	0,56	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,44	40294
Foul air trap DN/OD 110, outside	-	-	-	0,37	961
Adaptor for DN/OD 75 to PVC-U pipe DN/OD 110	-	-	-	0,12	1193
Mud bucket vertical made of modified composite for outlet DN/OD 110, black	100	100	85	0,04	40293
Tubular pistol for universal sealant/adhesive Siga-Mettell® 320 black**	-	-	-	1,30	6891
Holesaw, Ø 102 mm, with tool holder for a driller	-	-	-	0,60	980

RECYFIX® SLOTTED 150

Channels

RECYFIX® PRO 150

Type 01, 1,0 m



	Length mm	Width mm	Height mm	Internal channel cross-sect. cm ²	Weight kg	Item No.
Type 01, 1,0 m	1000	212	210	230	3,15	47100
Type 115, 1,0 m	1000	212	115	116	1,93	47130

SLOTTED COVERS 150, neck height 105 mm, class D 400*



Asymmetrical, SW 10 mm,
1,0 m



Access cover asymmetrical,
SW 10 mm, 0,5 m



Extraction bail for access covers
(2 pieces required)

	Length mm	Width mm	Height mm	Intake cross-sect. cm ² /m	Weight kg	Item-No. galvanised	Item-No. stainless steel
Asymmetrical, SW 10 mm, 1,0 m	1000	206	222	140	11,72	411	414
Access cover asymmetrical, SW 14 mm, 0,5 m	500	213	222	-	-	470	415
End cap, closed	-	380	219	0,19	0,19	32842	32843
Extraction bail for access covers (2 pieces required)	-	396	150	0,77	0,77	740	-

* Not for use across the carriageway of highways or motorways in moving traffic.
The quality of stainless steel material corresponds to CNS 1.4301 or CNS 1.4307.

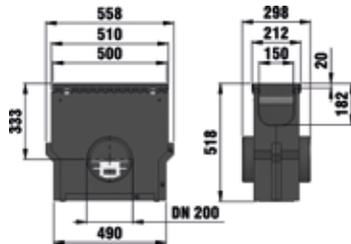
RECYFIX[®] SLOTTED 150

Accessories

RECYFIX[®] PRO 150



Trash box with KTL frames and galvanised mud bucket



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



End cap closed, type 115 for type 01



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.
Trash box with KTL frames and galvanised mud bucket	500	212	518	16,60	47151
End cap combined, PP with outlet DN/OD 75/110 for type 01	-	210	218	0,14	40591
End cap closed, type 115	-	208	100	0,04	47197
Foul air trap, vertical, DN/OD 110	-	187	181	0,56	40295
Foul air trap set, vertical DN/OD 110 for RECYFIX 100	-	-	203	0,44	40294
Universal sealant/adhesive Siga-Meltell® 320 black**	-	-	-	0,97	19051
Tubular pistol for universal sealant/adhesive Siga-Meltell® 320 black**	-	-	-	1,30	6891
Holesaw, Ø 102 mm, with tool holder for a drill	-	-	-	0,60	980

RECYFIX® SLOTTED



RECYFIX[®] SLOTTED



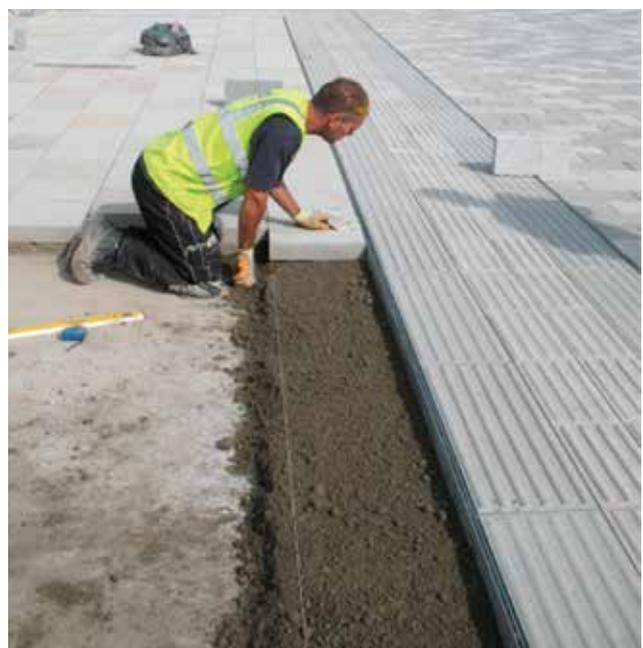
Central St. Giles, London



Waitrose, Boughton, Chester



Blyth Market Square, Northumberland





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

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