



Fax Reply

+44 1582 50 13 99

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Simply tick:

- ☐ I have a **current project** and would like to take advantage of your free design support service.
- ☐ I would like a visit from a **technical consultant**.
- ☐ I am interested in your product range please send me your **complete range of design documents**.

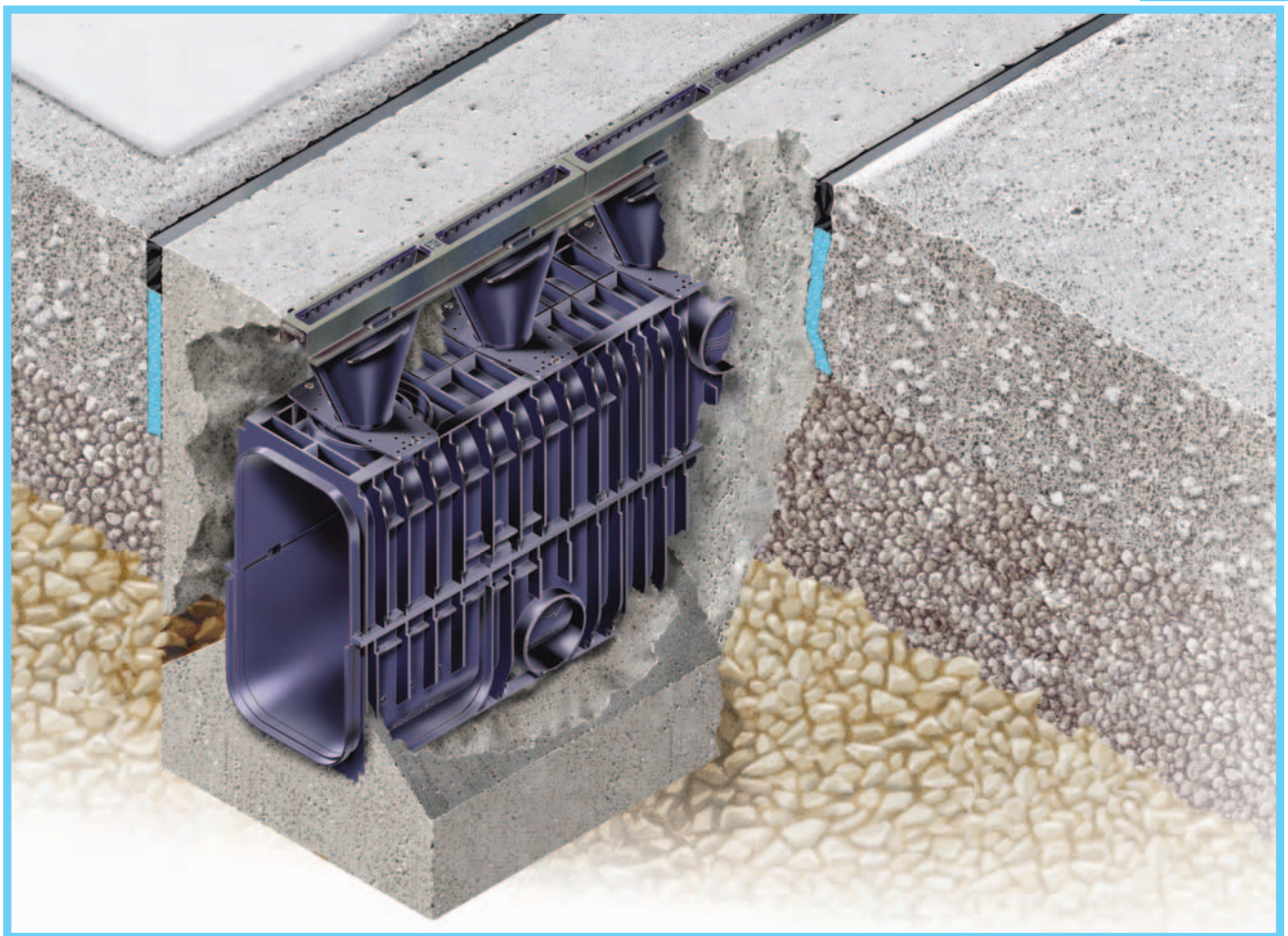
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Visit us on the Internet:
www.hauraton.com



Surface drainage and much more...



***RECYFIX®-HiCap - The revolution of
High Capacity slot drainage channels***



RECYFIX®-HiCap

Requirements

For architects

- wide range of channel sizes from 100-680 mm to create the most efficient and effective drainage system possible
- for any load application and any type of surface
- reducing the amount of underground pipework
- minimising the number of outlets
- design entire projects with a single product
- for small to largest areas

For contractors

- quick and easy to install
- according to health and safety regulations
- no breakage on site
- no separate gratings and lids
- no steel reinforcement necessary

For clients

- long-term safety for pedestrian and vehicles
- minimal underground pipes
- unobtrusive and highly effective solution
- simple to maintain
- slots blend in with all surface materials

Airport



Supermarket



Easy handle and install



In short

- Up to heavy duty applications
- Easy to handle and install
- No mechanical lifting required
- Wide range for all applications
- Unique ductile iron slot
- Tough PP-PE - highly corrosion-resistant, lightweight and extremely robust
- Complete solutions



Solution

- **unique ductile iron slot**
- **complete range for all designs and applications**
 - 2 heights for different installation levels
 - 2 lengths for easy and quick installation
 - 3 slot solutions: heelsafe, driveways, industrial areas
 - 5 different channel sizes/volumes
- **integrated shallow feet -> less excavation needed**
- **each part with groove-and tongue joint for highest stability**
- **easy to set in line and make level**
- **can be sealed where watertightness is required**
- **step fall designs for a high hydraulic performance**
- **smooth inside for a high self-cleaning**
- **no need of additional reinforcement even for class F 900 locations**
- **to insure that no concrete or other materials enter the channel during the installation the channels are fitted with protection strips.**
- **hydraulic calculation program and design service**
- **unique channel shape - 8 pre-formed pipe-outlets**
- **one-hand-complete solution (HiCap, channels, SUDS, Kerbdrain)**

Application

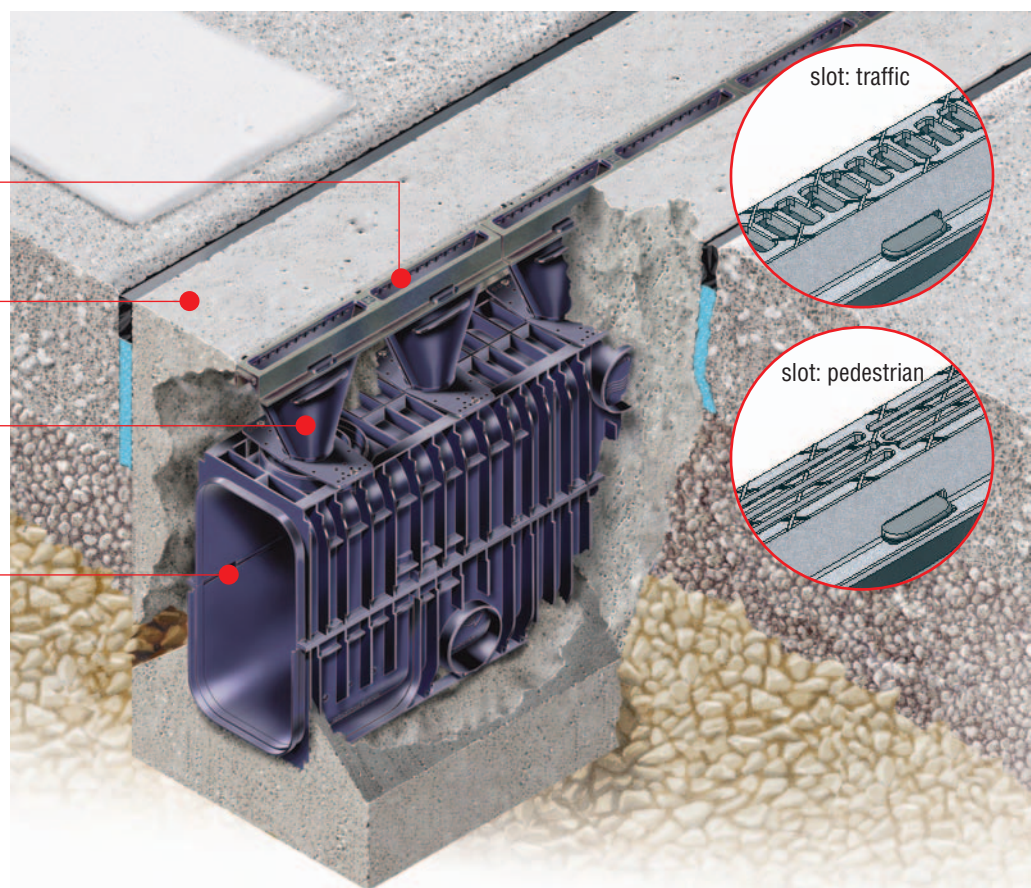
- **Car parks**
- **Supermarkets**
- **Pedestrian areas**
- **Airports**
- **Industrial/commercial areas**
- **Port installations**
- **Power stations**
- **Dock yards**

unique ductile iron slot e.g. industrial

concrete stretcher

inlet in heights of 200 and 300 mm

channel body made of highly corrosion-resistant PE-PP





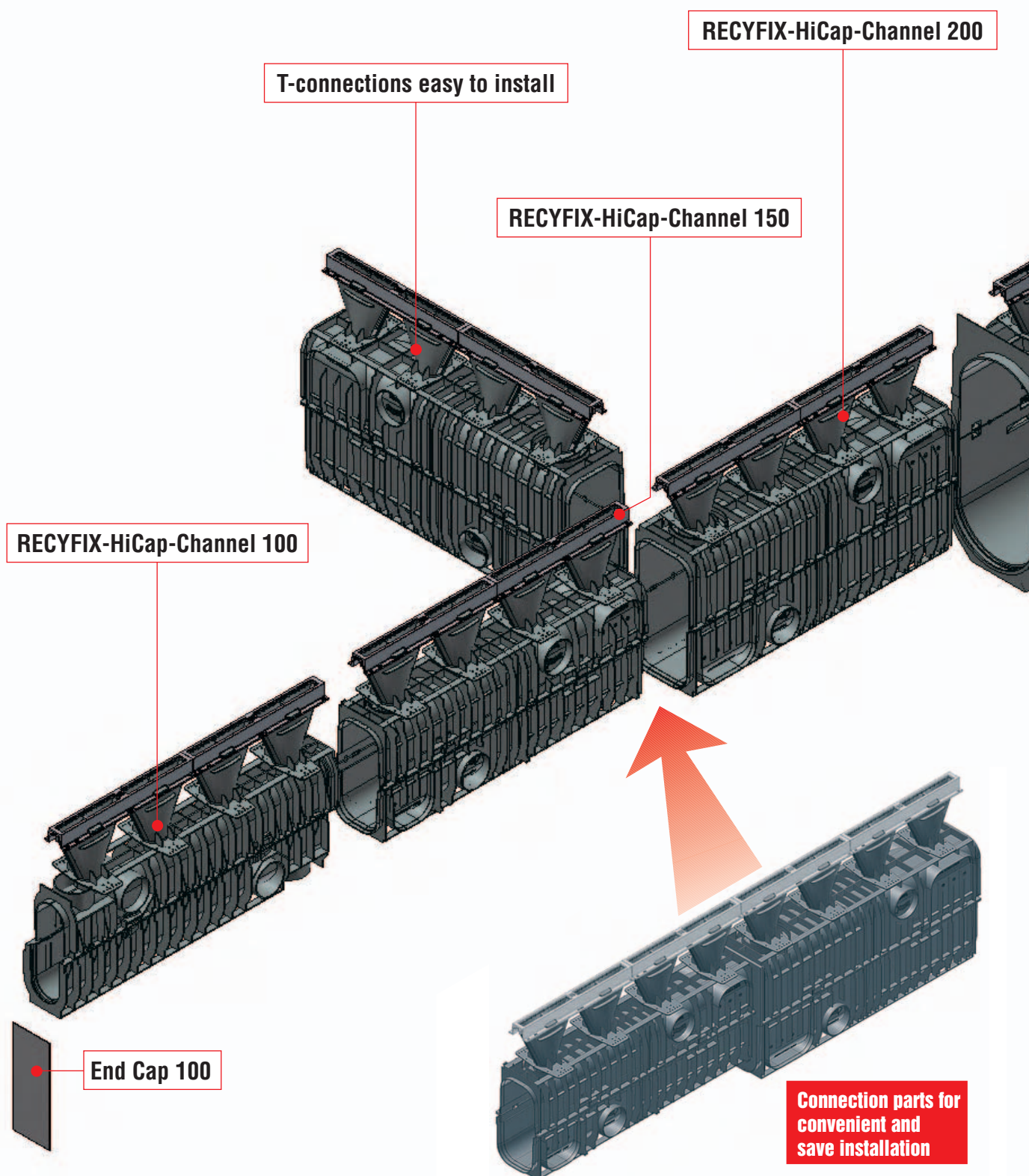
RECYFIX®-HiCap

■ Architect service and design assistance

We support architects and building contractors with the following services:

- tender proposals for projects
- individual planning
- hydraulic calculations
- building site and installation drawings

The complete System of RECYFIX-HiCap channels

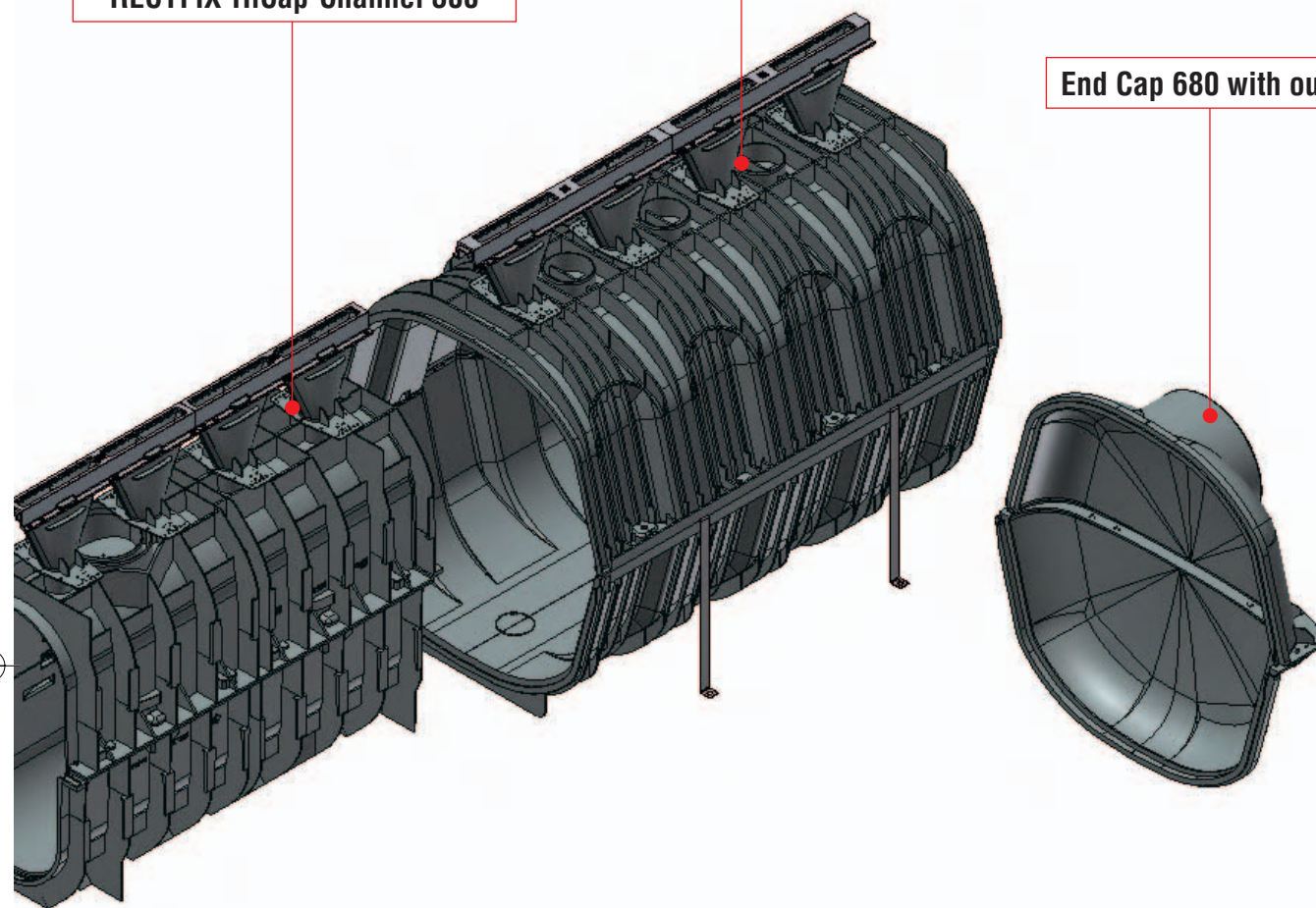




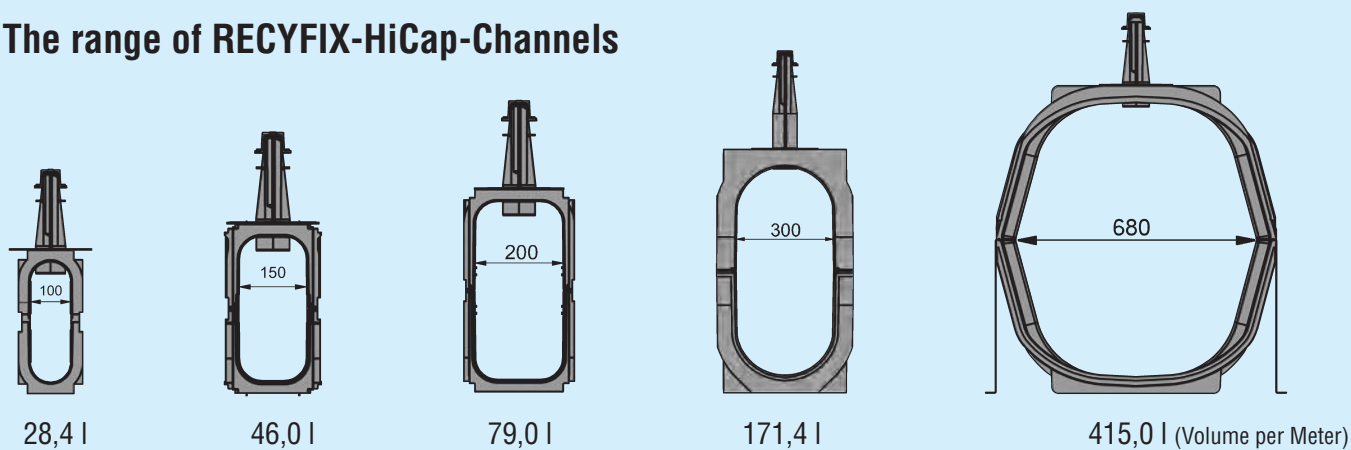
RECYFIX-HiCap-Channel 680

RECYFIX-HiCap-Channel 300

End Cap 680 with outlet



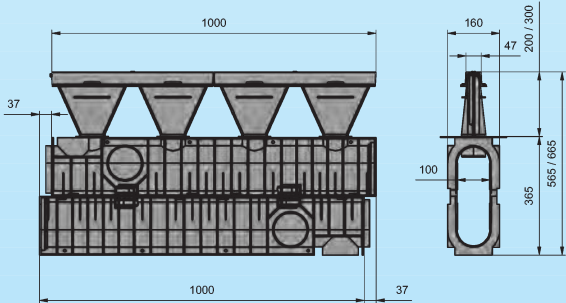
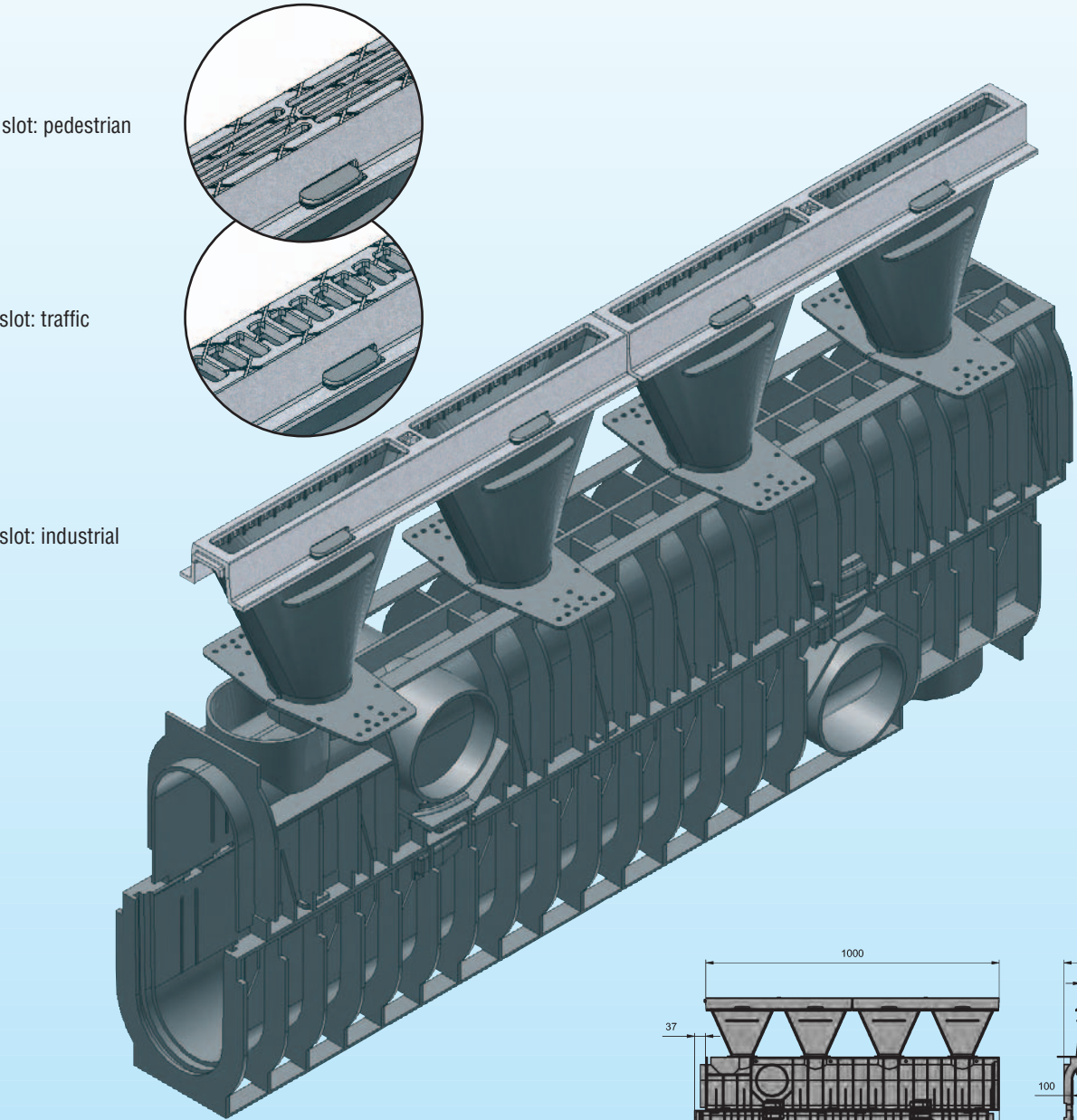
The range of RECYFIX-HiCap-Channels





RECYFIX®-HiCap

RECYFIX-HiCap-Channels 100



RECYFIX-HiCap-Channels 100

from PE-PP, with ductile iron slot, class F 900

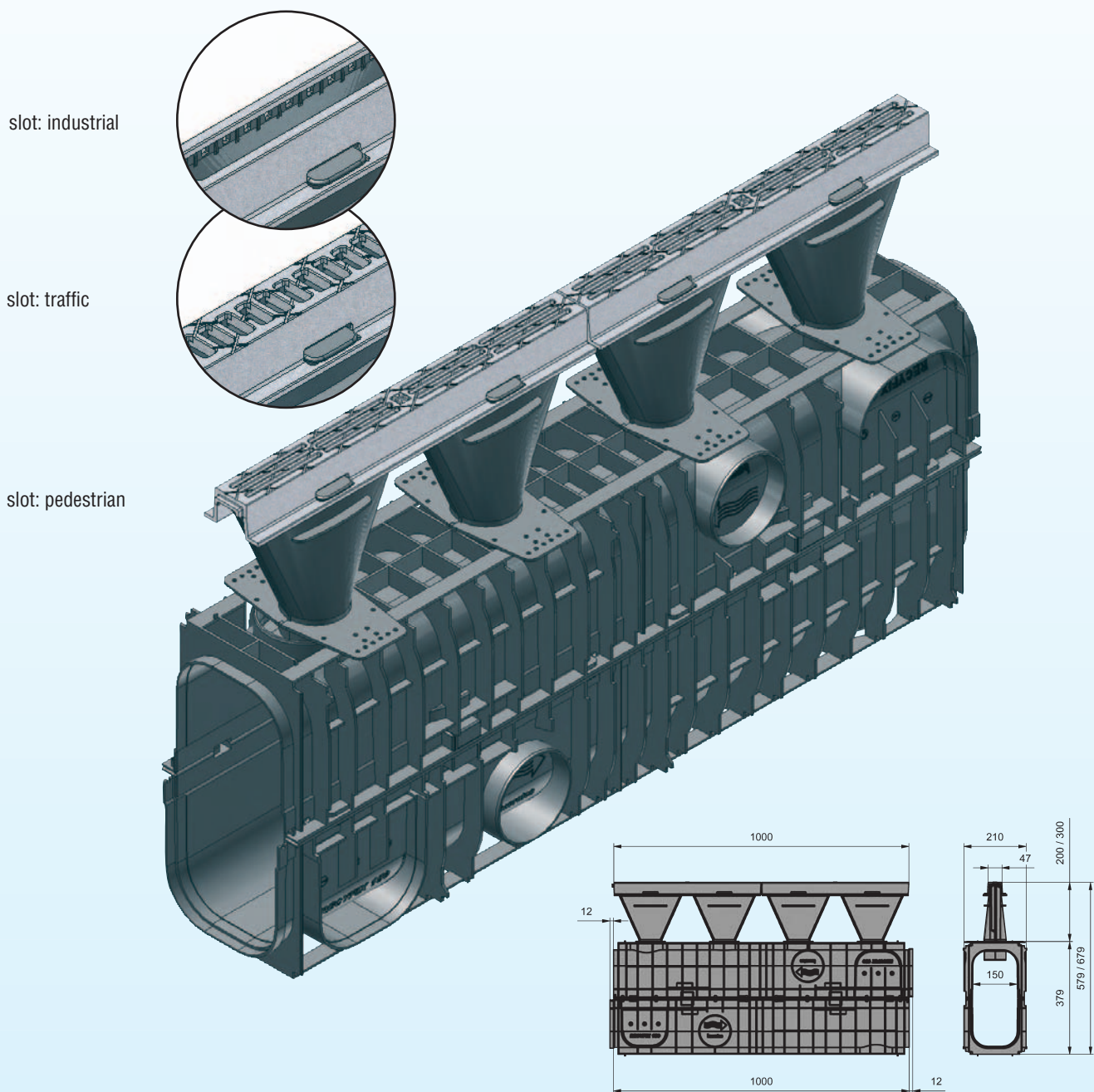
also available
in length of
2000 mm

Type	Inlet Height mm	Slot	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross section cm ² /m	Slot size mm	Weight kg	Part No.	Part No.
365	200	pedestrian	1000	160	565	284	154	5,5 x 108	13,2	13010	13110
365	200	traffic	1000	160	565	284	172	28 x 13	13,1	13020	13120
365	200	industrial	1000	160	565	284	248	28 x 222	12,6	13030	13130
365	300	pedestrian	1000	160	665	284	154	5,5 x 108	13,4	13060	13160
365	300	traffic	1000	160	665	284	172	28 x 13	13,3	13070	13170
365	300	open	1000	160	665	284	248	28 x 222	12,8	13080	13180

End Cap 100	13012
End Cap 100 with outlet	13015
Connection Part 100 → 150	13017



RECYFIX-HiCap-Channels 150



RECYFIX-HiCap-Channels 150

from PE-PP, with ductile iron slot, class F 900

also available
in length of
2000 mm

Type	Inlet height mm	Slot	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross section cm ² /m	Slot size mm	Weight kg	Part No.	Part No.
380	200	pedestrian	1000	210	579	460	154	5,5 x 108	12,5	13210	13310
380	200	traffic	1000	210	579	460	172	28 x 13	12,4	13220	13320
380	200	industrial	1000	210	579	460	248	28 x 222	11,9	13230	13330
380	300	pedestrian	1000	210	679	460	154	5,5 x 108	12,7	13260	13360
380	300	traffic	1000	210	679	460	172	28 x 13	12,6	13270	13370
380	300	industrial	1000	210	679	460	248	28 x 222	12,1	13280	13380
End Cap 150										13212	
End Cap 150 with outlet										13215	
Connection Part 150 -> 200										13217	



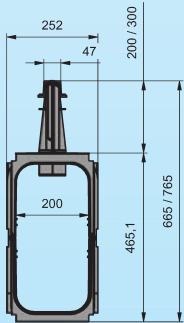
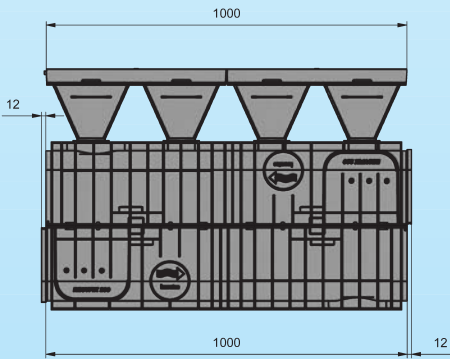
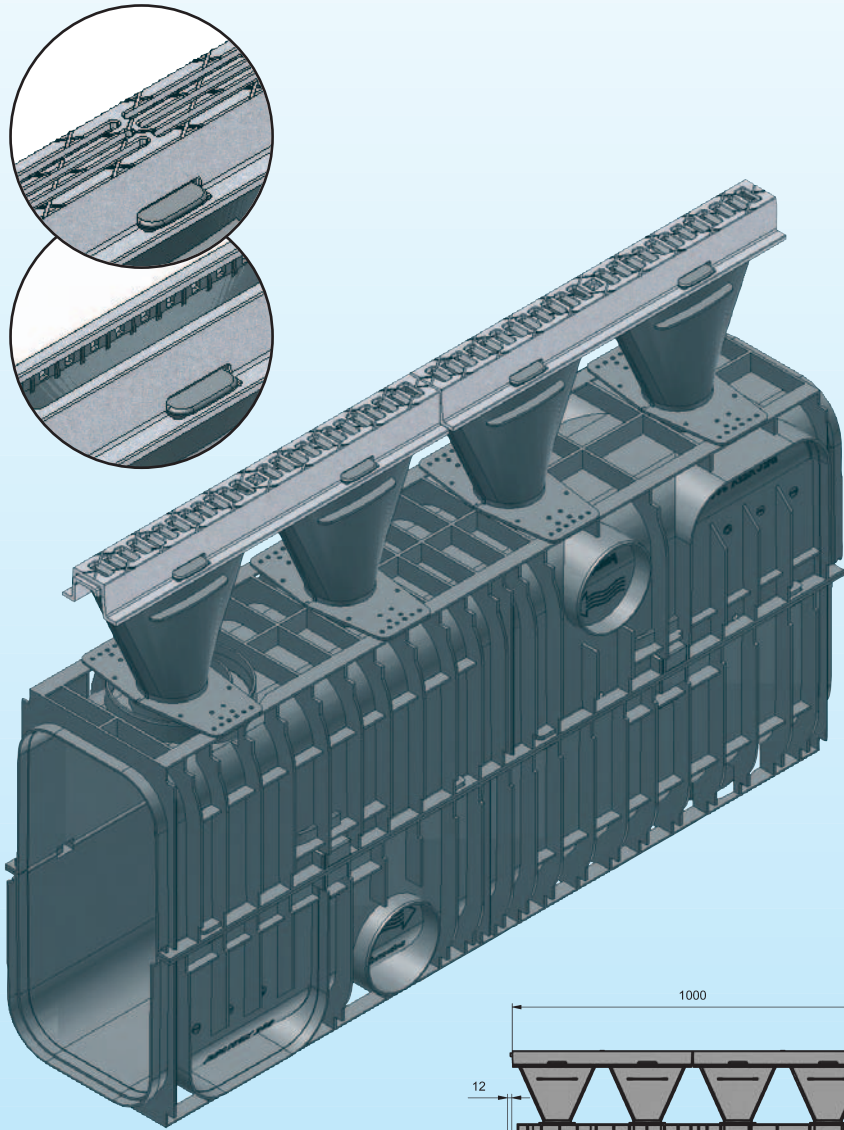
RECYFIX®-HiCap

RECYFIX-HiCap-Channels 200

slot: pedestrian

slot: industrial

slot: traffic



RECYFIX-HiCap-Channels 200

from PE-PP, with ductile iron slot, class F 900

also available
in length of
2000 mm

Type	Inlet heighth mm	Slot	Length mm	Width mm	Height mm	Drainage cross-sect. cm²	Intake cross section cm²/m	Slot size mm	Weight kg	Part No.	Part No.
465	200	pedestrian	1000	252	665	790	154	5,5 x 108	14,0	13410	13510
465	200	traffic	1000	252	665	790	172	28 x 13	13,9	13420	13520
465	200	industrial	1000	252	665	790	248	28 x 222	13,4	13430	13530
465	300	pedestrian	1000	252	765	790	154	5,5 x 108	14,2	13460	13560
465	300	traffic	1000	252	765	790	172	28 x 13	14,1	13470	13570
465	300	industrial	1000	252	765	790	248	28 x 222	13,6	13480	13580

End Cap 200

13412

End Cap 200 with outlet

13415

Connection Part 200 -> 300

13417

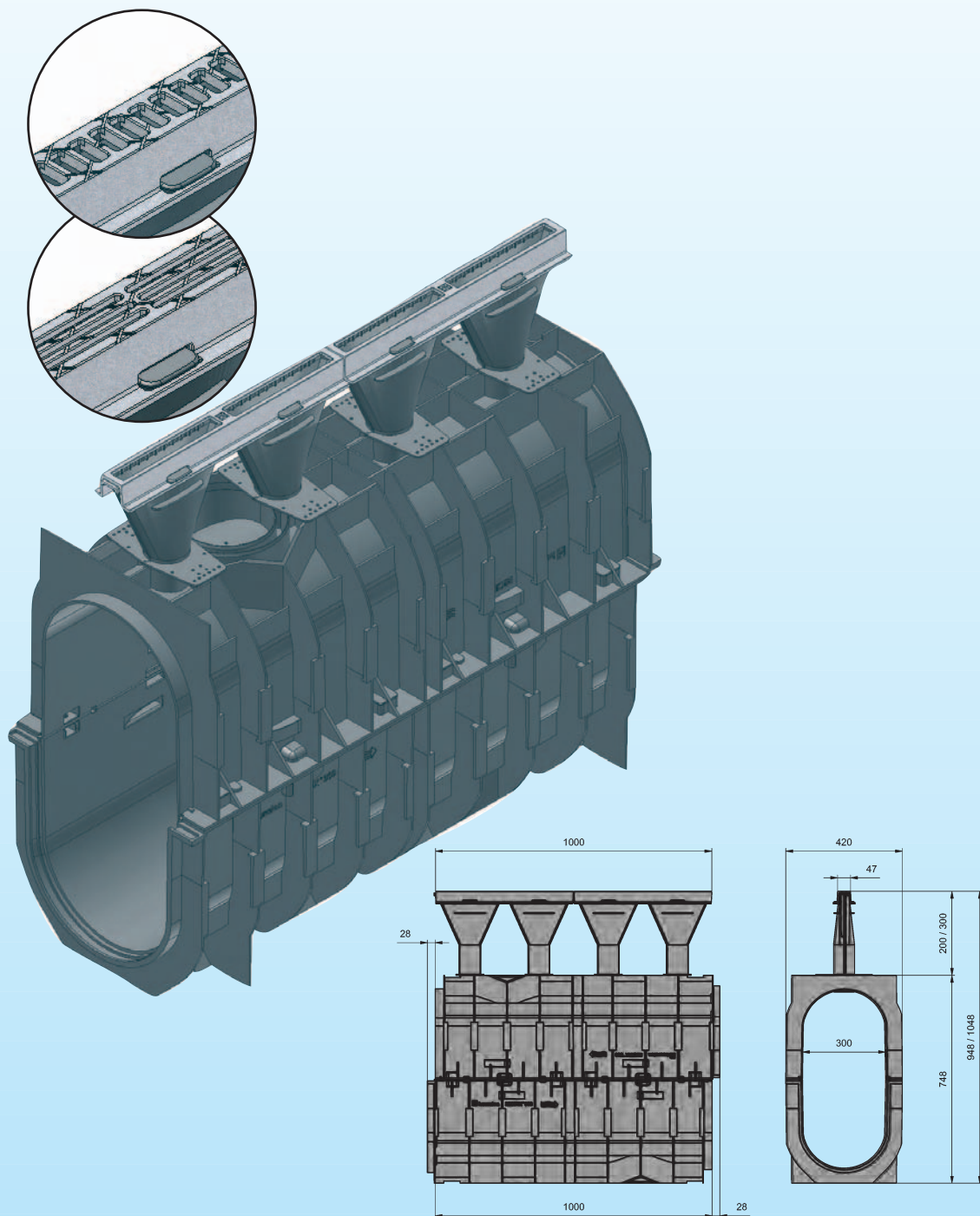


RECYFIX-HiCap-Channels 300

slot: traffic

slot: pedestrian

slot: industrial



RECYFIX-HiCap-Channels 300

from PE-PP, with ductile iron slot, class F 900

also available
in length of
2000 mm

Type	Inlet height mm	Slot	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross section cm ² /m	Slot size mm	Weight kg	Part No.	Part No.
750	200	pedestrian	1000	420	948	1714	154	5,5 x 108	24,0	13610	13710
750	200	traffic	1000	420	948	1714	172	28 x 13	23,9	13620	13720
750	200	industrial	1000	420	948	1714	248	28 x 222	23,4	13630	13730
750	300	pedestrian	1000	420	1048	1714	154	5,5 x 108	24,2	13660	13760
750	300	traffic	1000	420	1048	1714	172	28 x 13	24,1	13670	13770
750	300	industrial	1000	420	1048	1714	248	28 x 222	26,6	13680	13780

End Cap 300

End Cap 300 with outlet

Connection Part 300 -> 680

13612

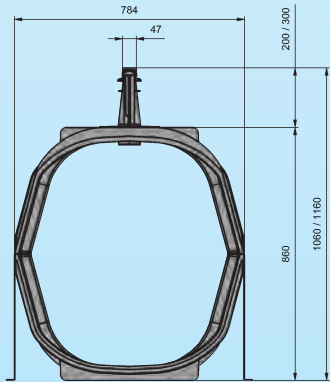
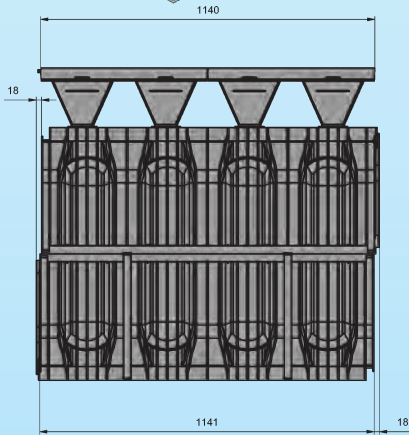
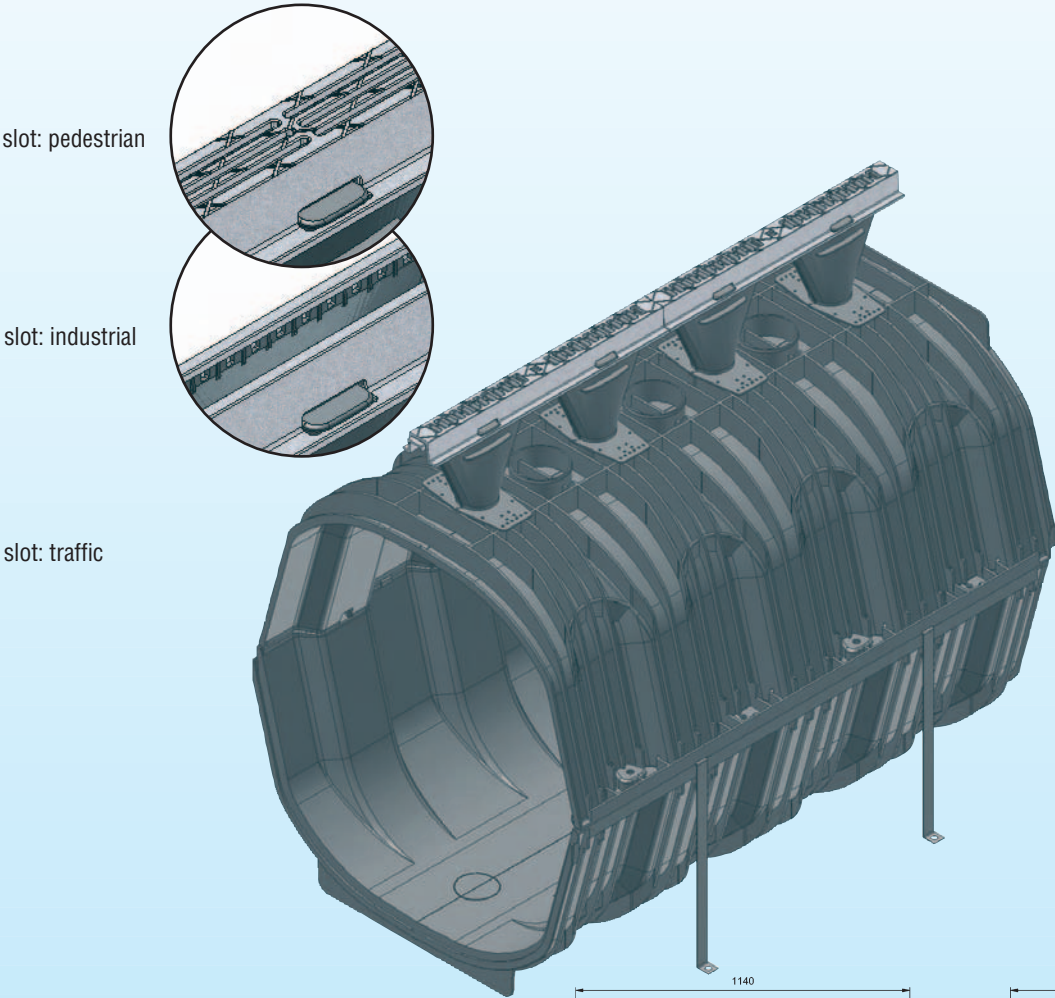
13615

13617



RECYFIX®-HiCap

RECYFIX-HiCap-Channels 680



RECYFIX-HiCap-Channels 680

from PE-PP, with ductile iron slot, class F 900

also available
in length of
2000 mm

Type	Inlet height mm	Slot	Length mm	Width mm	Height mm	Drainage cross-sect. cm ²	Intake cross section cm ² /m	Slot size mm	Weight kg	Part No.	Part No.
860	200	pedestrian	1140	784	1060	4150	154	5,5 x 108	30,9	13810	13910
860	200	traffic	1140	784	1060	4150	172	28 x 13	31,0	13820	13920
860	200	industrial	1140	784	1060	4150	248	28 x 222	30,4	13830	13930
860	300	pedestrian	1140	784	1160	4150	154	5,5 x 108	31,9	13860	13960
860	300	traffic	1140	784	1160	4150	172	28 x 13	31,2	13870	13970
860	300	industrial	1140	784	1160	4150	248	28 x 222	30,6	13880	13980
End Cap 780										13815	



Fields of application for RECYFIX-HiCap-Channels



At least class C 250, Test force 250 kN

Side channel area and side strip that is not run over and similar side slot channels



At least class D 400, Test force 400 kN

Road way of roads (also pedestrian streets), side strips of streets and parking areas which are permitted for all types of road vehicles.*



At least class E 600, Test force 600 kN

Areas, which are run over with high wheel loads, for example, harbours and docks.



At least class F 900, Test force 900 kN

Areas which have to carry extremely high loads, for example airport runways, service yards and lorry parks, military bases, ...

In cases of doubt the higher category has to be chosen!

Individual Design Support

If you have special projects we support your individual building project from the tender proposal to the production stage.
Call us or send us an e-mail.



RECYFIX®-HiCap

■ Installation instructions:

Our installation instructions/installation examples are generally accepted suggestions. Special types of installation due to local conditions have to be established by engineers. The technical regulations and guidelines generally accepted by experts, e.g. ZTVT, ZTVP, ZTV Concrete, RStO and ZTV Asphalt, have to be observed during installation. In the case of installation at filling stations/tank farms, additional requirements apply. You will receive information on this from the site.

1. It has to be ensured that the adjoining surface coverings permanently rise above the top edge of the channel by 2 to 5 mm.
2. In the event of horizontal forces, which may occur in the installed state, e.g. in the case of concrete surfaces and reinforced concrete structures, effective expansion joints have to be installed lengthwise and crosswise in accordance with DIN 18318.
3. For installation in plaster/paved surfaces, the joint is filled along the channel with mineral filler or sealed in with asphalt.
4. Where extreme shearing forces may arise, e.g. where there are sloping sections, special additional measures have to be taken by the builders. Please make enquiries at the site.
5. Excavation and bedding of the HiCap-Channels on concrete base foundation
 - Excavate to the minimum dimensions (see installation example)
 - Ensure that the concreted section is suitable for the existing ground conditions with respect to ground bearing and consolidation. Note that side shuttering may be necessary.
 - Place a foundation out of semi-dry concrete

6. Laying consecutive HiCap-Channels

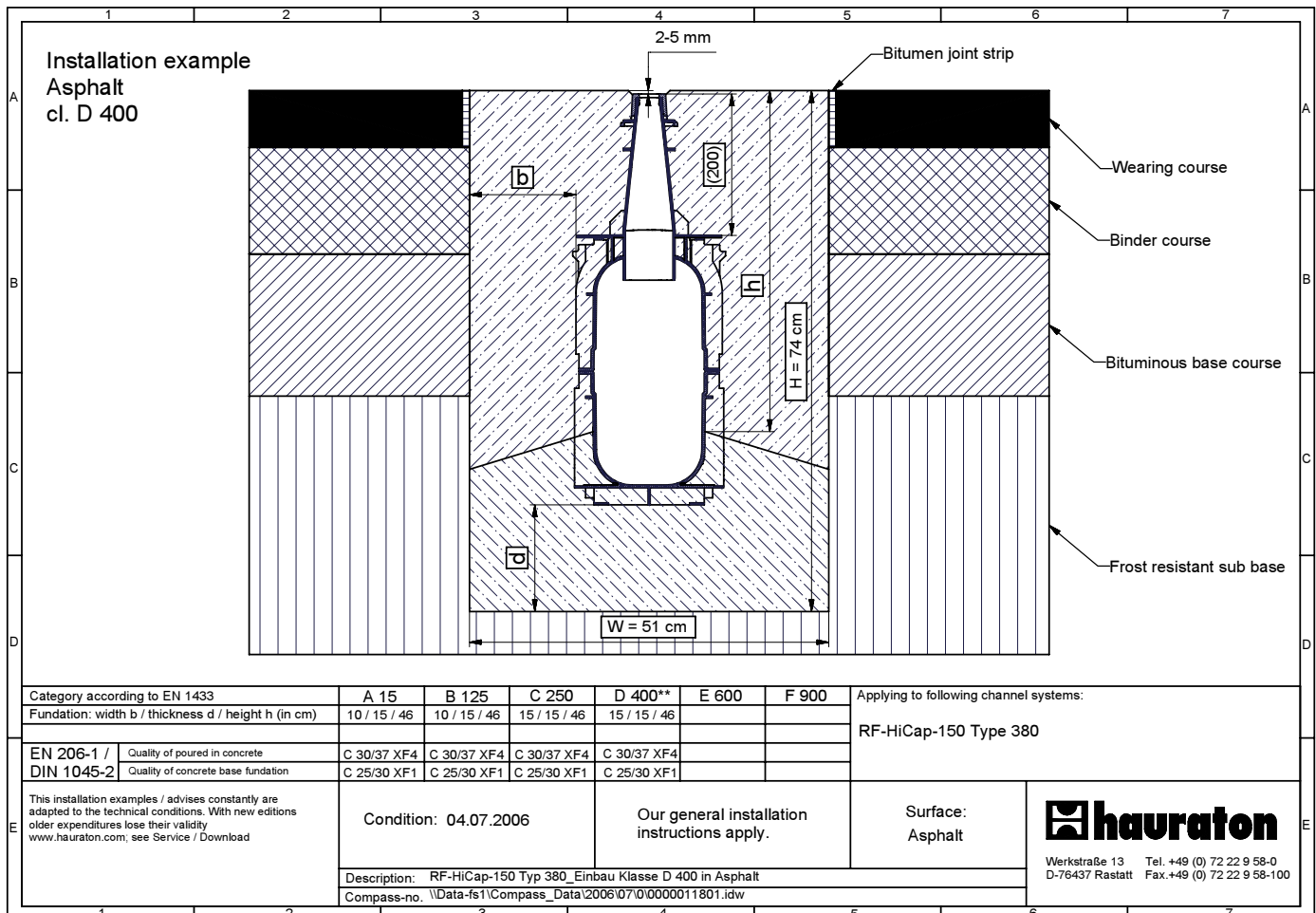
- Set the HiCap channels on the base foundation in line and level.
- On the concrete base foundation place additional concrete
- Allow the concrete to cure, minimum of 12 hours.
- Start with the HiCap-End Cap outlet pipe for the connection to the ground pipe work or manhole.
- Place the required amount of HiCap elements without additional fixing (Principle of tongue and groove).
- Use the HiCap-Connection parts to enable the connection of the different diameter channels.

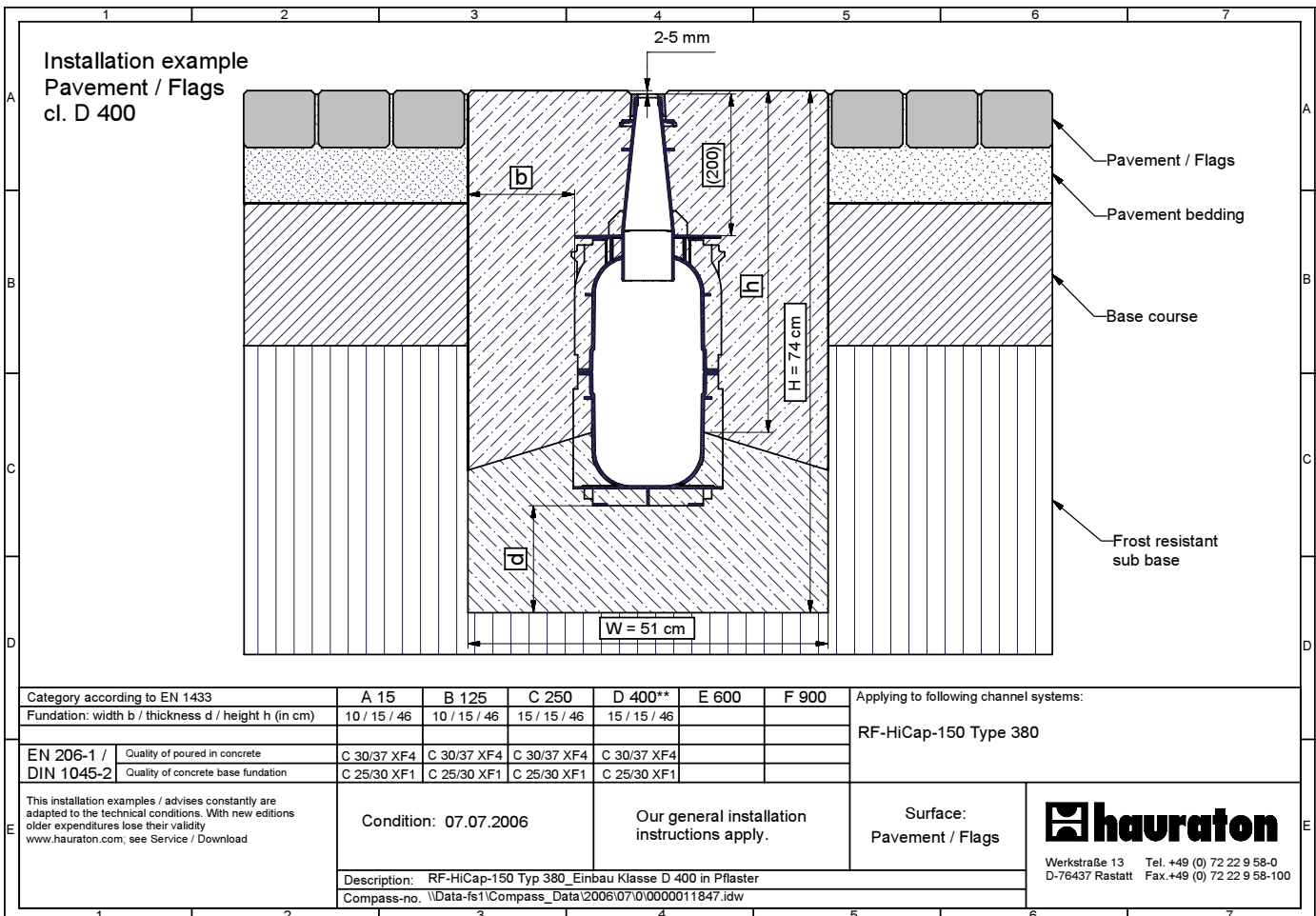
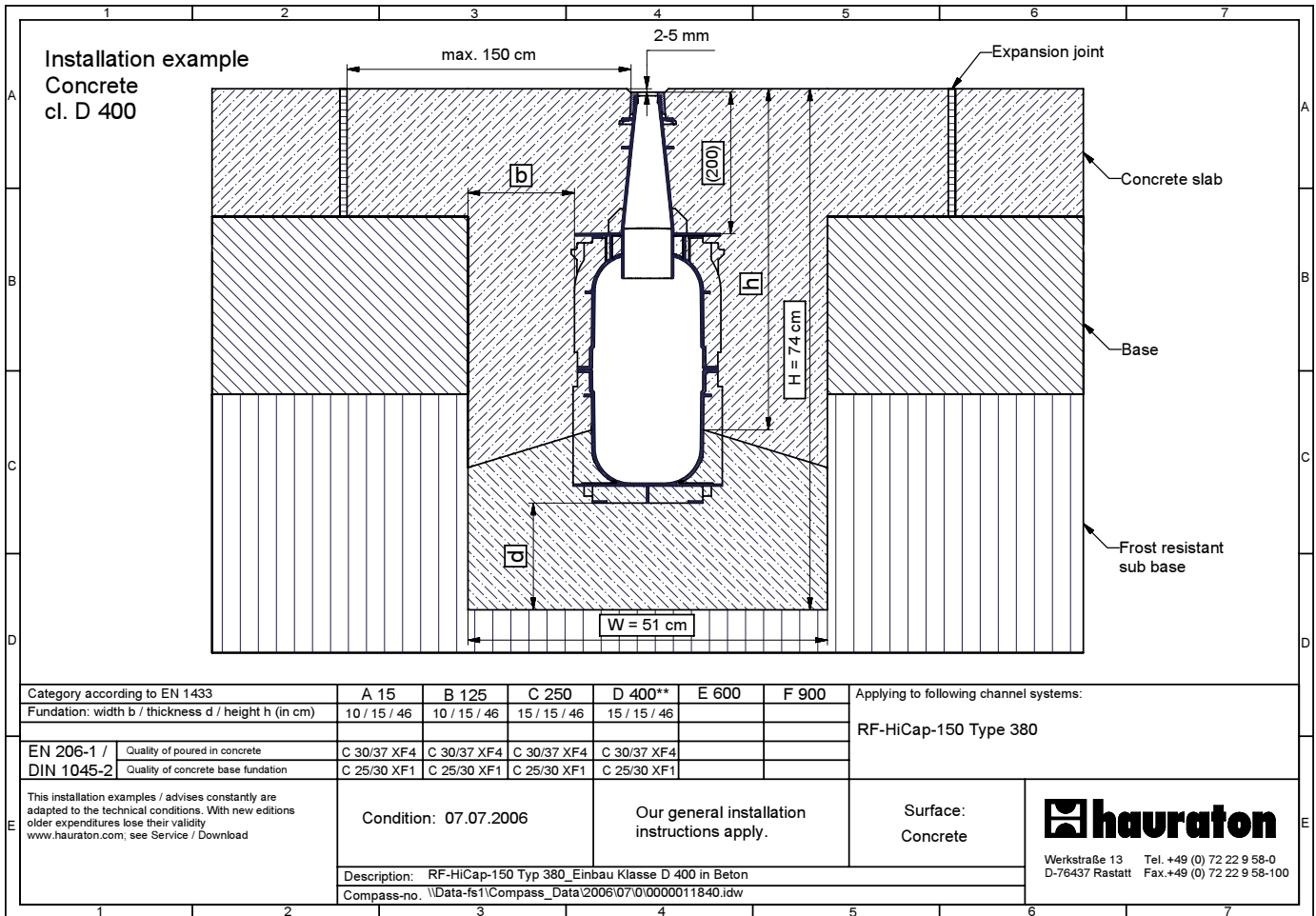
7. Pour of the concrete

- Pour concrete evenly around the fixed HiCap-Channels
- Dependent upon the type or programme of the site, suitable formwork may be required.
- After the cure of the concrete the strip over the slots can be removed.

8. Expansion joints

- Expansion joints parallel to the HiCap-Channels should be installed against horizontal forces from adjacent surfacing.
- Expansion joints perpendicular to the HiCap-Channels should be fitted at the end of a run and at the point of any catchpits
- Crack inducers perpendicular to the HiCap Channels are recommended every 4 HiCap elements (maximum every 4.5 metre)







RECYFIX®-HiCap

