



Section 4

Kerb Drainage

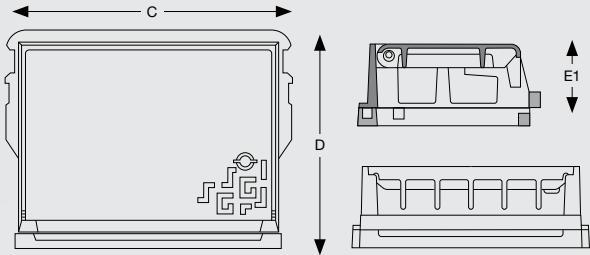
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Aquakerb

Product code	Kerb profile	Over base C x D (mm)	Depth E1 (mm)	Waterway area (cm²)	Total mass (kg)	Pallet quantity	Internal Ref
186040	Half batter	558 x 400	150	468	49	10	C6100A
186042	45° splay	558 x 400	150	425	47	10	C6101A

Features

- Single piece captive hinged cover section.
- Available in 45° splay and 12.5° half batter kerb profiles.
- Locked using turnbuckle locking device as standard.

Options

- An optional road retaining bar is available to help form the road edge during installation.
- An optional 40mm thick sub frame is available which increases the overall height to 190mm.

Can only be opened by using Aquakerb specific locking/lifting key.

Accessories

Product code	Description
187120	Road retaining bar
186041	Optional sub frame
191156	Security locking/lifting key



For products that have the E+ feature, the trademark is detailed in the 'At a glance' section of the product pages.

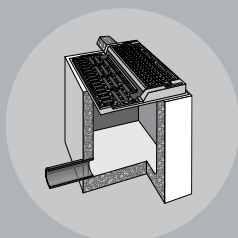
Features



Slot orientation maximises flow capacity and road user safety.



Studding on grating prevents leaves sticking to the grate and maximises flow capacity.



In the kerbline.

Selecta range

The result of intense collaboration with road drainage engineers, the Selecta kerb gully drainage unit in ductile iron with opening top and grating for optimum access, is the professionals' solution to the problem of draining rainwater. Available in two sizes with two kerb profiles: Selecta 'Maxi' and Selecta '500', Selecta kerb drainage units have been designed to ensure excellent drainage performance whilst maximising safety.

Screening of debris

The presence of a raised bar prevents access into the gully for debris of too large a size and keeps certain solid objects carried by run-off water out of the sewer system.

Anti-obstruction

The surfaces of the bars are equipped with facets that are oriented in such a way as to prevent leaves or litter from blocking the drain.

Drainage

In the lower section of the gutter, the bars are arranged longitudinally in order to maximise water drainage.

Simulations carried out on a test bench show increases of between 10% and 15% in absorption in certain circumstances, compared with a traditional design consisting of a rectangular grating and a gully.

Safety for cyclists

On the carriageway, the bars are perpendicular to the direction of the traffic in order to ensure safety for cyclists.

Safety for pedestrians

On the pavement side, the elimination of clearance on the hinge system and of any roughness on the surface of the cover ensure safety for pedestrians (high heels, walking sticks, crutches, etc.).

Height adjustability

Three bolts allow the height adjustment (up to 50mm) of the cover frame with respect to the kerb.

Height adjustability is only available on the Maxi.

Operation

Full opening with two flaps provides a wide unobstructed clear opening area (550 x 450mm) which facilitates access to the sewer system. In particular, the Selecta inlet is well suited to the insertion of cleaning and inspection equipment.

Opening

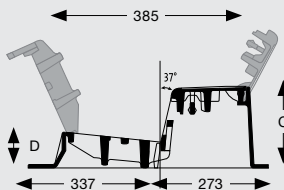
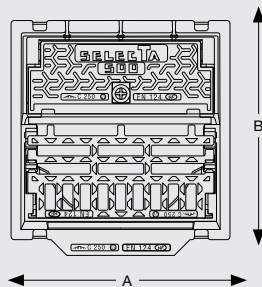
Both Selecta 'Maxi' and Selecta '500' kerb gratings and covers feature vandal resistant ductile iron spring-bars to prevent unauthorised entry.

Grating and covers can be opened separately using a crow bar or pick axe as illustrated, or both together to obtain full uninterrupted access.

Closing

Following routine maintenance both the cover and grating can be closed. Applying a little pressure to the top of the cover or grating will ensure that the spring-bar activates and again provides an effective barrier against unauthorised access.





FEATURE



FEATURE



CLASS



APPLICATION



GROUP



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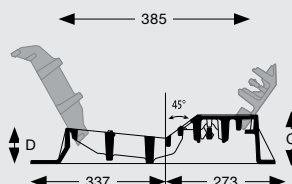
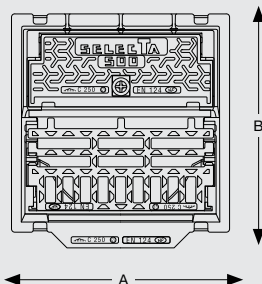
Selecta 500 urban profile (T)

Product code	Over frame A x B (mm)	Frame depth C (mm)	Grate depth D (mm)	Kerb profile	Total mass (kg)	Pallet quantity	Internal Ref
ECSE61TF	570 x 610	205	90	37	56.5	10	RH50 E2TS

Kerb drainage unit for use in pavement kerbs adjacent to highways in urban applications.

Features

- Hinged.
- Spring-bar lock.
- Single unit.
- Debris bar.



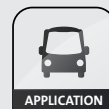
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FEATURE



CLASS



APPLICATION



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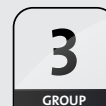
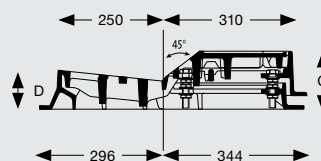
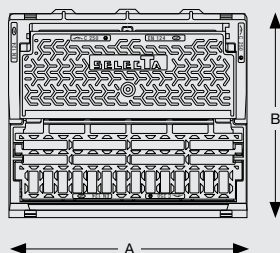
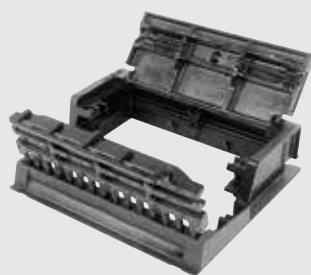
Selecta 500 rural profile (A)

Product code	Over frame A x B (mm)	Frame depth C (mm)	Grate depth D (mm)	Kerb profile	Total mass (kg)	Pallet quantity	Internal Ref
ECSE61SF	570 x 610	125	90	45	51	10	RH50 E2AS

Kerb drainage unit for use in pavement kerbs adjacent to highways in rural applications.

Features

- Hinged.
- Spring-bar lock.
- Single unit.
- Debris bar.



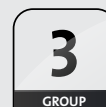
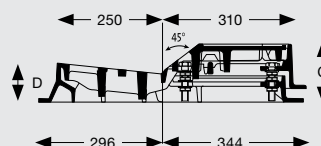
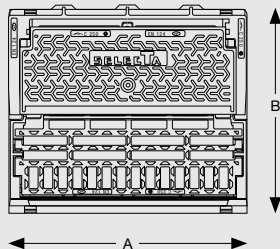
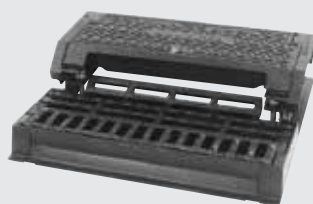
Selecta maxi urban profile (T)

Product code	Over frame A x B (mm)	Frame depth C (mm)	Grate depth D (mm)	Kerb profile	Total mass (kg)	Pallet quantity	Internal Ref
ECSE75UFX11	750 x 640	175-225	90	37	94	6	RH75 E1FD

Kerb drainage unit for use in pavement kerbs adjacent to highways in urban applications where height adjustment is desired.

Features

- Hinged.
- Spring-bar lock.
- Single unit.
- The frame is in 2 parts so can be adjusted for both height and angle to achieve the required kerb and weir height.
- Debris bar.



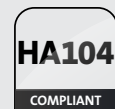
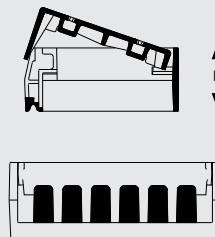
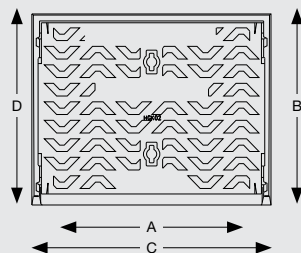
Selecta maxi rural profile (A)

Product code	Over frame A x B (mm)	Frame depth C (mm)	Grate depth D (mm)	Kerb profile	Total mass (kg)	Pallet quantity	Internal Ref
ECSE75SFX11	750 x 640	135-155	90	45	92	6	RH75 E2FD

Kerb drainage unit for use in pavement kerbs adjacent to highways in urban applications where height adjustment is desired.

Features

- Hinged.
- Spring-bar lock.
- Single unit.
- The frame is in 2 parts so can be adjusted for both height and angle to achieve the required kerb and weir height.
- Debris bar.



Waterfall

Product code	Nominal clear opening sizes A x B (mm)	Over base C x D (mm)	Depth E (mm)	Road retaining bar	Debris grid (cm ²)	Total mass (kg)	Pallet quantity	Internal Ref
187067	450/410 x 295	550/480 x 362	190	Yes	No	38.5	18	HK03 1
187068	532 x 405	556 x 464	205	Extra	Yes	63	12	HK11 1*
187066	532 x 405	556 x 464	205	Extra	No	63	12	HK02 1*

Kerb drainage unit for use in pavement kerbs adjacent to highways.

Options

- An optional road retaining bar is available to help form the road edge during installation.

Features

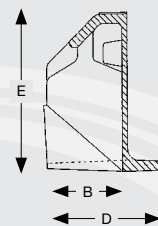
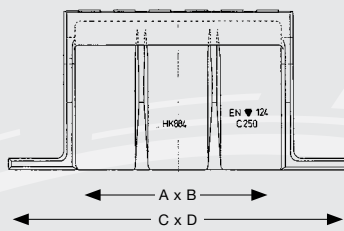
- Hinged.
- Half batter.
- Single unit.

Product codes 187066 & 187068 are classified as Group 3 C250 load classification but are rated to 40 tonnes load capability.

*Not Kitemarked.

Accessories

Product code	Description
187120	Road retaining bar



Watergate Kerb

Product code	Nominal clear opening sizes A x B (mm)	Overbase size C x D (mm)	Depth E (mm)	Kerb profile	Total mass (kg)	Pallet quantity	Internal Ref
187070	340 x 122	540 x 190	245	12.5	25	20	HK872 1
187071	340 x 122	540 x 190	245	45	20	20	HK884 1

Kerb hood which, used with Watergate gratings, gives a traditional combination of road grating and kerb drainage unit.

Features

- Half batter/45° splay.