

CLARK-DRAIN



THE DRAINAGE COMPANY

LINEAR DRAINAGE



50 years serving the
construction industry

Welcome

Clark-Drain is renowned all over the world for the innovative drainage products it brings to the market.

We have been offering intelligent solutions to the construction industry since 1962, along with supplying to the government, utility, telecommunication, defence and the general civil engineering markets. All of our linear drainage products offer suitable collection of surface water or liquids as quickly as possible to help protect people, buildings and traffic routes nearby.

CONTENTS

POLYPROPYLENE CHANNEL

- CD 401 Garage Pack 6
- Polypropylene Shallow Channel 7
- Polypropylene Class A15 8
- Polypropylene Channel C250 9

POLYMER CONCRETE CHANNEL CLASS A15

- Polymer Concrete Channel complete with Galvanised Steel Overlay Grating 10
- Galvanised Steel Edged Channel 12
- Stainless Steel Edged Channel 14

POLYMER CONCRETE CHANNEL CLASS C250

- Stainless Steel Edged Channel 100 16 – 18
- Galvanised Steel Edged Channel 100 20 – 24

POLYMER CONCRETE CHANNEL CLASS D400

- Galvanised Steel Edged Channel 100 26 – 28

- Galvanised Steel Edged Channel 150 32
- Galvanised Steel Edged Channel 200/300 30

POLYMER CONCRETE CHANNEL CLASS E600

- Ductile Iron Edged Channel 100 34 – 36

POLYMER CONCRETE CHANNEL CLASS F900

- Ductile Iron Edged Channel 100 38 – 40
- Ductile Iron Edged Channel 150/200/300 42 – 44

BLOCK SLOT

- Block Slot Drainage System 46

ACCESSORIES

- End Caps 48







INSTALLATION AND MAINTENANCE

- Maintenance 49
- Linear Drainage Installation 50 – 51

The Clark-Drain linear drainage series are supplied as complete channel and grating systems to meet the precise requirements of residential, commercial and industrial building projects.

LOADING CLASS DESCRIPTIONS

Our range covers loading classes from A15 to F900 to suit most applications. The appropriate loading class depends on the place of installation as indicated in the guideline below and is the responsibility of the designer. Where there is any doubt the higher load class should be selected.

Group:	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
Load Class:	A15	B125	C250	D400	E600	F900
Application:	Pedestrian  CLASS A15	Domestic Driveway  CLASS B125	Car Parks  CLASS C250	Main Highway  CLASS D400	Industrial Areas  CLASS E600	Docks & Airports  CLASS F900

DESIGNED TO CONFORM

All Clark-Drain linear channel products meet the new harmonised EN standards that came into effect on the 1st July 2013 and are CE marked to comply with EU legislation.

All Clark-Drain polymer concrete channels are manufactured with sealing grooves.

SUPPORT FROM TRUE EXPERTS

To support the specifier and contractor during design and installation, Clark-Drain's experienced professionals offer hydraulic performance calculations and layout advice, call **01733 765317**.

MANY CHOICES. FROM ONE TRUSTED SOURCE.

The more layout alternatives you have the more possibilities there are for reducing installation costs. Clark-Drain offers modular systems which combine grating and system accessories to provide reliable solutions and economical choices.

Types of slope options:



WE'RE NOT THE ONLY ONES WHO THINK YOU'LL LIKE THEM.

Building professionals like installing Clark-Drain linear channel. We know that because they've said so. Recent feedback ranks us highly on the efficiencies they offer onsite due to our quality of design and manufacture. And because they're liked so much, they readily see Clark-Drain as a favourable supplier on future schemes.

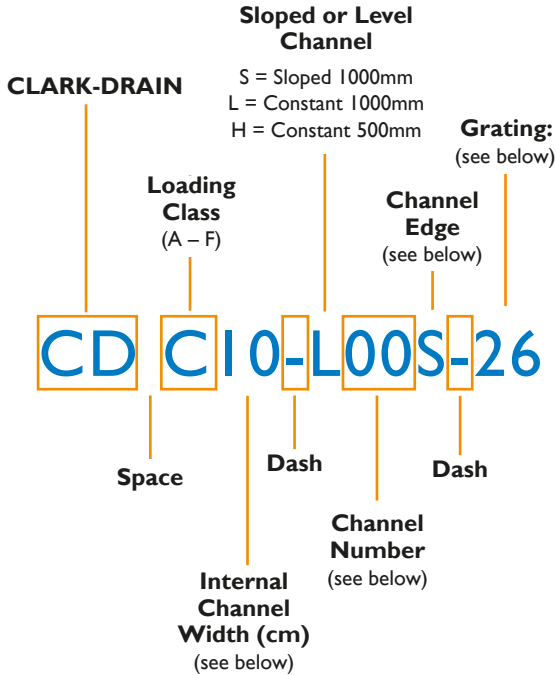
“ I have used many different specifications of surface drainage products over the years, but must congratulate Clark-Drain on a design I have found far better for simplicity, speed of assembly, manual handling and costs compared to other similar products. ”

Spencer Group

“ I am very impressed with the linear drainage products available from Clark Drain, particularly with respect to the efficiencies they offer on site due to high strength, high quality and lightweight materials. ”

Network Rail

How the product codes work



■ Internal Channel Width (cm)

- 10 = 100mm
- 15 = 150mm
- 20 = 200mm
- 30 = 300mm

■ Channel Number options

1000mm length:
L00 – L10 – L20 – L30
From S01 up to S20

500mm length:
H00 – H10 – H20 – H30

■ Channel Edge options

- = Overlay (For Load Class A)
- G = Galvanised Steel Edge (For Load Class A – D)
- S = Stainless Steel Edge (For Load Class A – C)
- C = Cast Iron Edge (For Load Class E, F)

■ Grating options

CLASS A15 LOADING:

- 01 – Galvanised Steel Slotted
- 07 – Stainless Steel Slotted

CLASS C250 LOADING:

- 03 – Galvanised Steel Slotted
- 09 – Stainless Steel Slotted
- 13 – Galvanised Steel Mesh
- 17 – Stainless Steel Mesh
- 20 – Ductile Iron Slotted
- 26 – Ductile Iron Narrow Slotted
- 52 – Stainless Steel Perforated

CLASS D400 LOADING:

- 21 – Ductile Iron Slotted
- 27 – Ductile Iron Narrow Slotted

CLASS E600 LOADING:

- 22 – Ductile Iron Slotted
- 28 – Ductile Iron Narrow Slotted

CLASS F900 LOADING:

- 63 – Ductile Iron Slotted
- 69 – Ductile Iron Narrow Slotted

400 Series

CD 401 Garage Pack

CLASS A15
LOADINGCLASS C250
LOADINGCLASS D400
LOADINGCLASS E600
LOADINGCLASS F900
LOADING

BLOCK SLOT

ACCESSORIES

FEATURES INCLUDE:

- Competitively priced
- Robust and easy to install
- Male and female slide-lock connection mechanism securely locking each length together
- Self-locking gratings
- 117mm external height ensuring sufficient water intake in almost all conditions
- Lockable at four points per metre using screws
- Water outlet can be vertical or horizontal



APPLICATIONS:

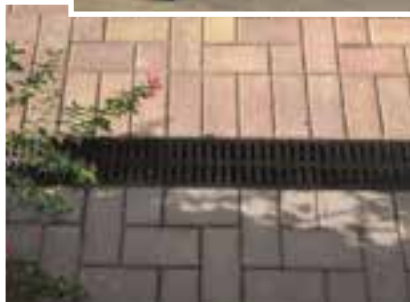
- Driveways
- Patios
- Gardens
- Play areas



End Cap



Debris trap



CD 401 GARAGE PACK

Consists of:

- 3 x one metre lengths complete with plastic mesh
- 1 x pair of CD 402 End Caps
- 1 x CD 403 Debris Trap
- 1 x installation instructions

400 Series

Polypropylene Shallow Channel Class A15

FEATURES INCLUDE:

- Lightweight, robust, non-rusting design
- Heat resistant (ideal for tarmac edging)
- Supplied with mesh grating
- Ideal for limited depth of excavation
- Removable grating for easy maintenance and cleaning
- Debris trap available separately
- Grating waterway Area: 600cm² (per metre)
- Provision for locking screws in grating (purchased separately)

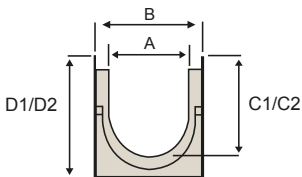


APPLICATIONS:

- Garage thresholds
- Patios
- Gardens
- Play areas

LOCKING CHANNELS:

- 'SpringLock' channel-to-channel male/female connection allows several metres of channel to be laid at a time



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Inter Chan Area (cm ²)	Internal Channel Depth (mm)	Inter Channel Slope (l/s)	End Cap
CD 410	1000	96	148	75/75	92/92	48	2.2		CD 412

CLASS A15
LOADINGCLASS C250
LOADINGCLASS D400
LOADINGCLASS E600
LOADINGCLASS F900
LOADING

BLOCK SLOT

ACCESSORIES

400 Series

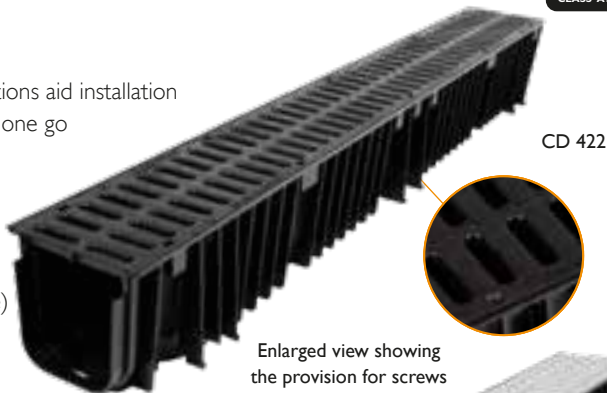
Polypropylene Class A15



CLASS A15
LOADING

FEATURES INCLUDE:

- Male and female sliding connections aid installation as several lengths can be laid in one go
- Choice of plastic 'snap-lock' (CD 422) or galvanised steel (CD 425) slot gratings
- Grating waterway area:
CD 422 = 272cm² (per metre)
CD 425 = 291cm² (per metre)



CLASS C250
LOADING

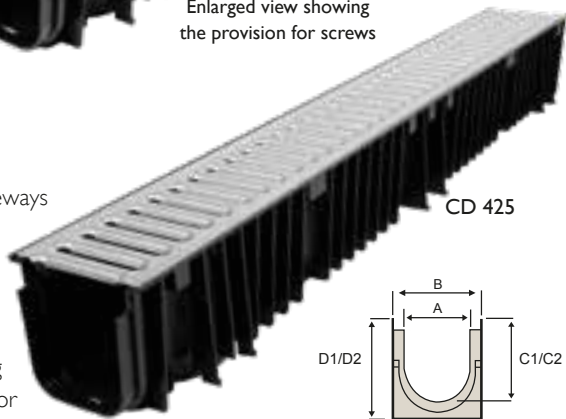
APPLICATIONS:

- Garage thresholds
- Patios
- Gardens
- Play areas
- Domestic driveways

CLASS D400
LOADING

ADDITIONAL SECURITY (OPTIONAL):

- Lockable at four points per metre using screws which gives additional security for applications such as schools and public areas



CLASS E600
LOADING

CD 406 QUAD CORNER:

- Easy to connect with CD 422 channel



DUAL PURPOSE END CAPS:

- Male and female plain end cap/end cap outlet



End Cap



Debris trap

CLASS F900
LOADING

BLOCK SLOT

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Depth (mm) C1/C2	External Depth (mm) D1/D2	Max through flow l/s	End Cap	Debris Trap	Quad Box
CD 422	1000	100	128	105/105	117/117	4.3	CD 402	CD 403	CD 406
CD 425	1000	100	128	105/105	117/117	4.5	CD 402	CD 403	n/a

ACCESSORIES

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400 Series

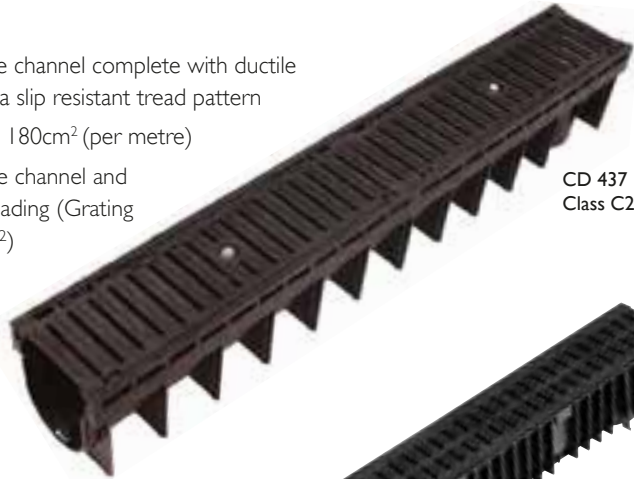
Polypropylene Class B125/C250



POLYPROPYLENE CHANNEL

FEATURES INCLUDE:

- CD 437 is a polypropylene channel complete with ductile iron grating incorporating a slip resistant tread pattern
- Grating Waterway Area = 180cm² (per metre)
- CD 434 is a polypropylene channel and nylon grating with B125 loading (Grating Waterway Area = 137cm²)



CD 437
Class C250



CD 434
Class B125

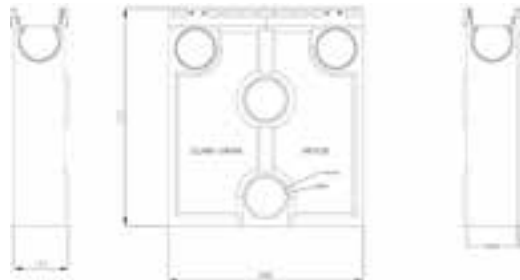
APPLICATIONS:

- Building entrance
- Car parks
- Schools, colleges and universities
- Pedestrian precincts
- Private housing estates
- Shared driveways
- Communal parking areas
- Railway platforms

SILT BOX



CD 438



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Depth (mm) C1/C2	External Depth (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s	End Cap	Debris Trap
CD 434	1000	100	147	105/105	117/117	70	4.3	CD 402	CD 403
CD 437	1000	100	147	128/128	158/158	101	6.5	CD 402	CD 403

CLASS A15
LOADING

CLASS C250
LOADING

CLASS D400
LOADING

CLASS E600
LOADING

CLASS F900
LOADING

BLOCK SLOT

ACCESSORIES

Class A15

Polymer Concrete Channel Galvanised Steel Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Complete with galvanised steel overlay grating
- Includes male and female connections
- 110mm diameter outlet for easy connection to Clark-Drain underground pipes and fittings
- Grating Waterway Area = 250cm² (per metre)

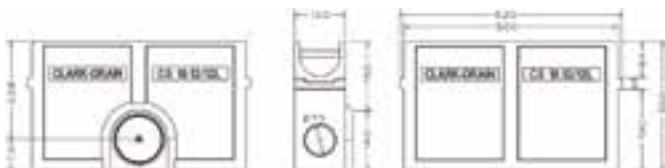


APPLICATIONS:

- Perfect for garage thresholds, patios, gardens and play areas

SILT BOX

- Polymer concrete silt box complete with galvanised steel slotted grating and basket



Product Code	Internal Width (mm)	External Width (mm)	Height (mm)	Length (mm)
CD CS10.12	100	120	300	500



POLYPROPYLENE CHANNEL

CLASS A15 LOADING

CLASS C250 LOADING

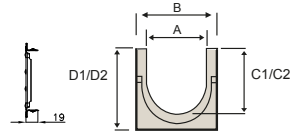
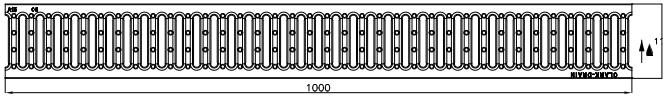
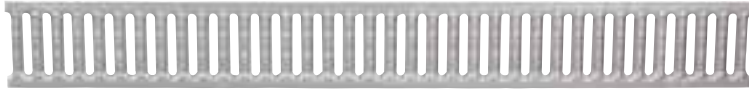
CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD CS10.10	1000	100	120	65/65	75/75	42	1.8

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Class A15

Galvanised Steel Edged Channel Galvanised Steel Slotted Grating

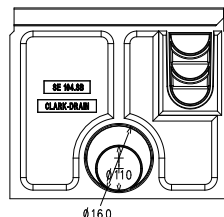
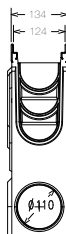
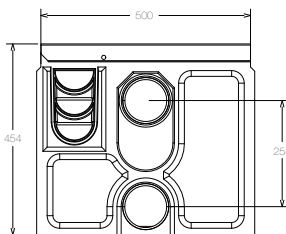
FEATURES INCLUDE

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow section available in 60mm and 80mm overall heights
- Grating Waterway Area = 266cm² (per metre)

APPLICATIONS:

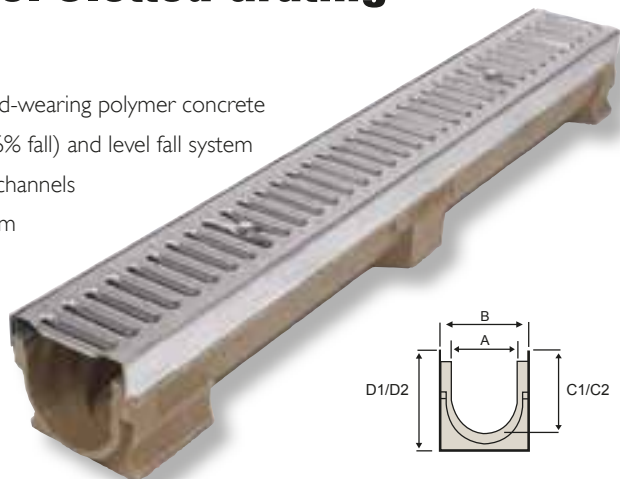
- Building entrances
- Service Stations
- Pedestrian precincts
- Shop frontages
- Domestic driveways, garage thresholds, patios etc.

SILT BOX



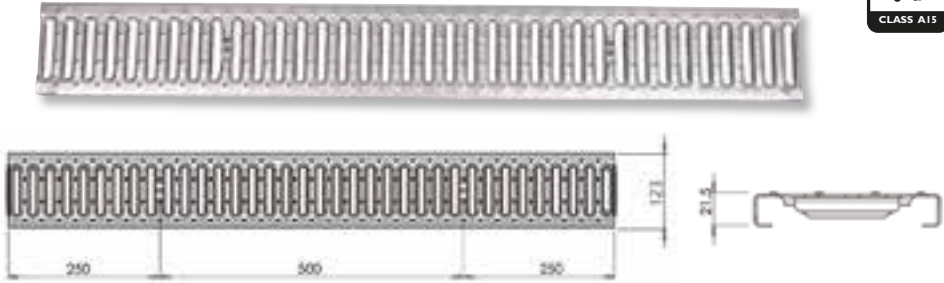
HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD A10-SBG-02	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD A10-L06G-01†	1000	100	130	45/45	60/60	33	1.1
CD A10-L08G-01†	1000	100	130	65/65	80/80	53	2.3
CD A10-L00G-01	1000	100	131	112/112	127/127	89	5.3
CD A10-S01G-01	1000	100	131	112/118	127/133	92	5.5
CD A10-S02G-01	1000	100	131	118/124	133/139	98	6.1
CD A10-S03G-01	1000	100	131	124/130	139/145	104	6.6
CD A10-S04G-01	1000	100	131	130/136	145/151	110	7.2
CD A10-S05G-01	1000	100	131	136/142	151/157	116	7.7
CD A10-S06G-01	1000	100	131	142/148	157/163	122	8.3
CD A10-S07G-01	1000	100	131	148/154	163/169	128	8.9
CD A10-S08G-01	1000	100	131	154/160	169/175	134	9.6
CD A10-S09G-01	1000	100	131	160/166	175/181	140	10.2
CD A10-S10G-01	1000	100	131	166/172	181/187	146	10.8
CD A10-L10G-01	1000	100	131	172/172	187/187	149	11.2
CD A10-H10G-02*	500	100	131	172/172	187/187	149	11.2
CD A10-S11G-01	1000	100	131	172/178	187/193	152	11.5
CD A10-S12G-01	1000	100	131	178/184	193/199	158	12.2
CD A10-S13G-01	1000	100	131	184/190	199/205	164	12.8
CD A10-S14G-01	1000	100	131	190/196	205/211	170	13.5
CD A10-S15G-01	1000	100	131	196/202	211/217	176	14.2
CD A10-S16G-01	1000	100	131	202/208	217/223	182	15.0
CD A10-S17G-01	1000	100	131	208/214	223/229	188	15.7
CD A10-S18G-01	1000	100	131	214/220	229/235	194	16.4
CD A10-S19G-01	1000	100	131	220/226	235/241	200	17.2
CD A10-S20G-01	1000	100	131	226/232	241/247	203	18.0
CD A10-L20G-01	1000	100	131	232/232	247/247	209	18.3
CD A10-H20G-02*	500	100	131	232/232	247/247	209	18.3

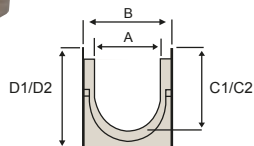
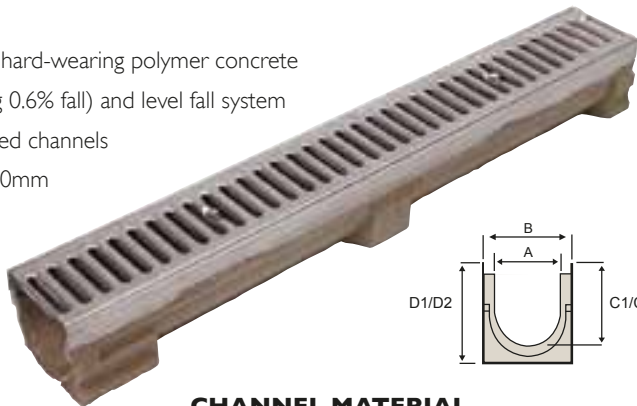
*Option for side entry †Shallow option

Class A15

Stainless Steel Edged Channel Stainless Steel Slotted Grating

FEATURES INCLUDE

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow section available in 60mm and 80mm overall heights
- Grating Waterway Area = 266cm² (per metre)



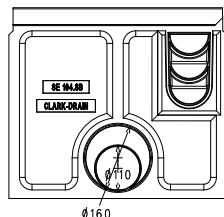
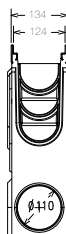
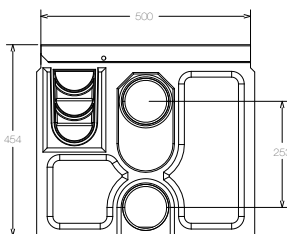
APPLICATIONS:

- Building entrances (Pedestrians)
- Pedestrian precincts
- Shop frontages
- Food preparation areas

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD A10-SBS-08	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



POLYPROPYLENE CHANNEL

CLASS A15 LOADING

CLASS C250 LOADING

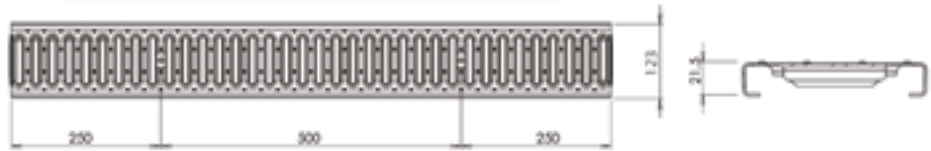
CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD A10-L06S-07†	1000	100	130	45/45	60/60	33	1.1
CD A10-L08S-07†	1000	100	130	65/65	80/80	53	2.3
CD A10-L00S-07	1000	100	131	112/112	127/127	89	5.3
CD A10-S01S-07	1000	100	131	112/118	127/133	92	5.5
CD A10-S02S-07	1000	100	131	118/124	133/139	98	6.1
CD A10-S03S-07	1000	100	131	124/130	139/145	104	6.6
CD A10-S04S-07	1000	100	131	130/136	145/151	110	7.2
CD A10-S05S-07	1000	100	131	136/142	151/157	116	7.7
CD A10-S06S-07	1000	100	131	142/148	157/163	122	8.3
CD A10-S07S-07	1000	100	131	148/154	163/169	128	8.9
CD A10-S08S-07	1000	100	131	154/160	169/175	134	9.6
CD A10-S09S-07	1000	100	131	160/166	175/181	140	10.2
CD A10-S10S-07	1000	100	131	166/172	181/187	146	10.8
CD A10-L10S-07	1000	100	131	172/172	187/187	149	11.2
CD A10-H10S-08*	500	100	131	172/172	187/187	149	11.2
CD A10-S11S-07	1000	100	131	172/178	187/193	152	11.5
CD A10-S12S-07	1000	100	131	178/184	193/199	158	12.2
CD A10-S13S-07	1000	100	131	184/190	199/205	164	12.8
CD A10-S14S-07	1000	100	131	190/196	205/211	170	13.5
CD A10-S15S-07	1000	100	131	196/202	211/217	176	14.2
CD A10-S16S-07	1000	100	131	202/208	217/223	182	15.0
CD A10-S17S-07	1000	100	131	208/214	223/229	188	15.7
CD A10-S18S-07	1000	100	131	214/220	229/235	194	16.4
CD A10-S19S-07	1000	100	131	220/226	235/241	200	17.2
CD A10-S20S-07	1000	100	131	226/232	241/247	203	18.0
CD A10-L20S-07	1000	100	131	232/232	247/247	209	18.3
CD A10-H20S-08*	500	100	131	232/232	247/247	209	18.3

*Option for side entry †Shallow option

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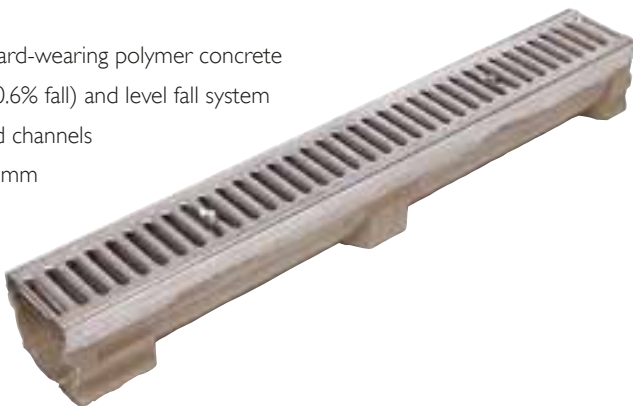
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Class C250

Stainless Steel Edged Channel 100 Stainless Steel Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow channel available in 60mm and 80mm overall heights
- Stainless steel edge rail
- Constant depth options
- Grating Waterway Area = 266cm² (per metre)



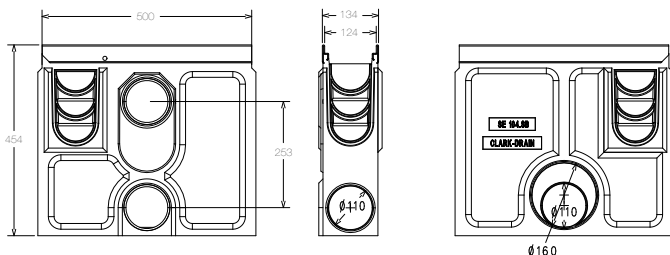
APPLICATIONS:

- Building entrances
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles
- Food factories

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

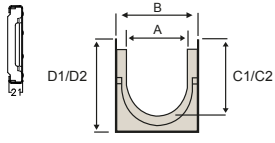
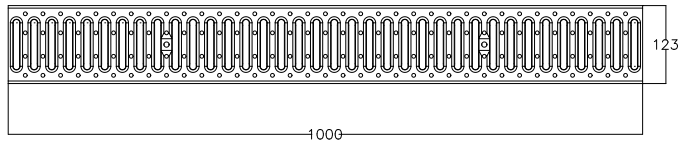
Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD C10-SBS-10	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a

CLARK-DRAIN



THE DRAINAGE COMPANY

CALL DIRECT 01733 765317



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD C10-L06S-09†	1000	100	130	45/45	60/60	33	1.1
CD C10-L08S-09†	1000	100	130	65/65	80/80	53	2.3
CD C10-L00S-09	1000	100	131	112/112	127/127	89	5.3
CD C10-S01S-09	1000	100	131	112/118	127/133	92	5.5
CD C10-S02S-09	1000	100	131	118/124	133/139	98	6.1
CD C10-S03S-09	1000	100	131	124/130	139/145	104	6.6
CD C10-S04S-09	1000	100	131	130/136	145/151	110	7.2
CD C10-S05S-09	1000	100	131	136/142	151/157	116	7.7
CD C10-S06S-09	1000	100	131	142/148	157/163	122	8.3
CD C10-S07S-09	1000	100	131	148/154	163/169	128	8.9
CD C10-S08S-09	1000	100	131	154/160	169/175	134	9.6
CD C10-S09S-09	1000	100	131	160/166	175/181	140	10.2
CD C10-S10S-09	1000	100	131	166/172	181/187	146	10.8
CD C10-L10S-09	1000	100	131	172/172	187/187	149	11.2
CD C10-H10S-10*	500	100	131	172/172	187/187	149	11.2
CD C10-S11S-09	1000	100	131	172/178	187/193	152	11.5
CD C10-S12S-09	1000	100	131	178/184	193/199	158	12.2
CD C10-S13S-09	1000	100	131	184/190	199/205	164	12.8
CD C10-S14S-09	1000	100	131	190/196	205/211	170	13.5
CD C10-S15S-09	1000	100	131	196/202	211/217	176	14.2
CD C10-S16S-09	1000	100	131	202/208	217/223	182	15.0
CD C10-S17S-09	1000	100	131	208/214	223/229	188	15.7
CD C10-S18S-09	1000	100	131	214/220	229/235	194	16.4
CD C10-S19S-09	1000	100	131	220/226	235/241	200	17.2
CD C10-S20S-09	1000	100	131	226/232	241/247	203	18.0
CD C10-L20S-09	1000	100	131	232/232	247/247	209	18.3
CD C10-H20S-10*	500	100	131	232/232	247/247	209	18.3

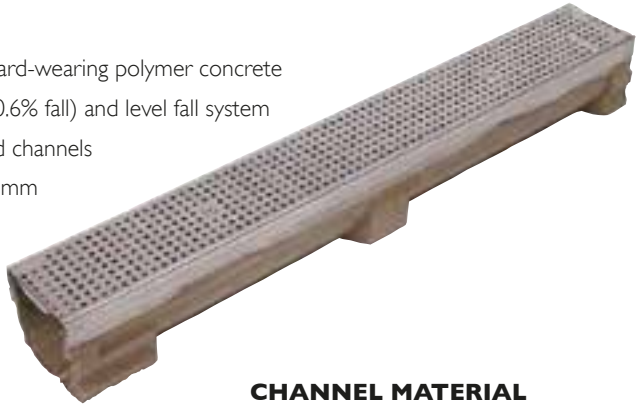
*Option for side entry †Shallow option

Class C250

Stainless Steel Edged Channel 100 Stainless Steel Perforated Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow channel available in 60mm and 80mm overall heights
- Stainless steel edge rail
- Grating Waterway Area = 160cm² (per metre)



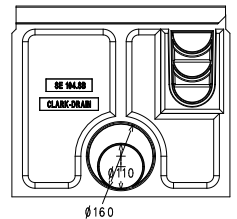
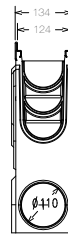
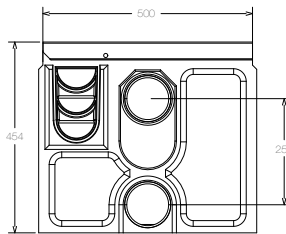
APPLICATIONS:

- Building entrances
- Service stations
- Car parks
- Pedestrian precincts
- Shopping malls
- Kerbside drainage
- Shop frontages
- Food factories
- Kitchens
- Hotel entrances

CHANNEL MATERIAL SPECIFICATION:

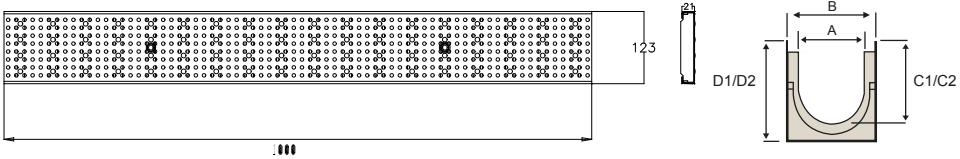
- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*l/s	DN150*l/s
CD C10-SBS-53	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD C10-L06S-52†	1000	100	130	45/45	60/60	33	1.1
CD C10-L08S-52†	1000	100	130	65/65	80/80	53	2.3
CD C10-L00S-52	1000	100	131	112/112	127/127	89	5.3
CD C10-S01S-52	1000	100	131	112/118	127/133	92	5.5
CD C10-S02S-52	1000	100	131	118/124	133/139	98	6.1
CD C10-S03S-52	1000	100	131	124/130	139/145	104	6.6
CD C10-S04S-52	1000	100	131	130/136	145/151	110	7.2
CD C10-S05S-52	1000	100	131	136/142	151/157	116	7.7
CD C10-S06S-52	1000	100	131	142/148	157/163	122	8.3
CD C10-S07S-52	1000	100	131	148/154	163/169	128	8.9
CD C10-S08S-52	1000	100	131	154/160	169/175	134	9.6
CD C10-S09S-52	1000	100	131	160/166	175/181	140	10.2
CD C10-S10S-52	1000	100	131	166/172	181/187	146	10.8
CD C10-L10S-52	1000	100	131	172/172	187/187	149	11.2
CD C10-H10S-53*	500	100	131	172/172	187/187	149	11.2
CD C10-S11S-52	1000	100	131	172/178	187/193	152	11.5
CD C10-S12S-52	1000	100	131	178/184	193/199	158	12.2
CD C10-S13S-52	1000	100	131	184/190	199/205	164	12.8
CD C10-S14S-52	1000	100	131	190/196	205/211	170	13.5
CD C10-S15S-52	1000	100	131	196/202	211/217	176	14.2
CD C10-S16S-52	1000	100	131	202/208	217/223	182	15.0
CD C10-S17S-52	1000	100	131	208/214	223/229	188	15.7
CD C10-S18S-52	1000	100	131	214/220	229/235	194	16.4
CD C10-S19S-52	1000	100	131	220/226	235/241	200	17.2
CD C10-S20S-52	1000	100	131	226/232	241/247	203	18.0
CD C10-L20S-52	1000	100	131	232/232	247/247	209	18.3
CD C10-H20S-53*	500	100	131	232/232	247/247	209	18.3

*Option for side entry †Shallow option

Class C250

Galvanised Steel Edged Channel 100 Galvanised Steel Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow channel available in 60mm and 80mm overall heights
- Galvanised steel edge rail
- Grating Waterway Area = 266cm² (per metre)



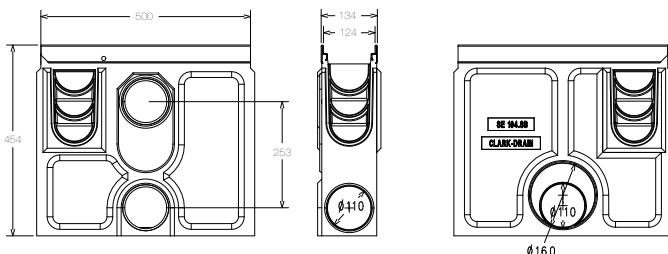
APPLICATIONS:

- Building entrances
- Pedestrian precincts
- Service stations (non HGV)
- Kerbside drainage
- Car parks
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



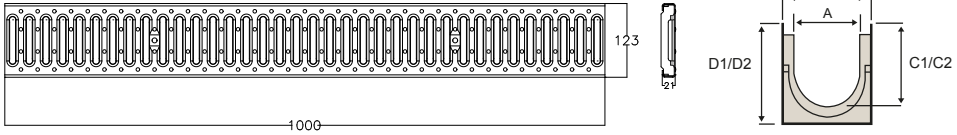
HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD C10-SBG-04	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a

CLARK-DRAIN



CALL DIRECT 01733 765317



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD C10-L06G-03†	1000	100	130	45/45	60/60	33	1.1
CD C10-L08G-03†	1000	100	130	65/65	80/80	53	2.3
CD C10-L00G-03	1000	100	131	112/112	127/127	89	5.3
CD C10-S01G-03	1000	100	131	112/118	127/133	92	5.5
CD C10-S02G-03	1000	100	131	118/124	133/139	98	6.1
CD C10-S03G-03	1000	100	131	124/130	139/145	104	6.6
CD C10-S04G-03	1000	100	131	130/136	145/151	110	7.2
CD C10-S05G-03	1000	100	131	136/142	151/157	116	7.7
CD C10-S06G-03	1000	100	131	142/148	157/163	122	8.3
CD C10-S07G-03	1000	100	131	148/154	163/169	128	8.9
CD C10-S08G-03	1000	100	131	154/160	169/175	134	9.6
CD C10-S09G-03	1000	100	131	160/166	175/181	140	10.2
CD C10-S10G-03	1000	100	131	166/172	181/187	146	10.8
CD C10-L10G-03	1000	100	131	172/172	187/187	149	11.2
CD C10-H10G-04*	500	100	131	172/172	187/187	149	11.2
CD C10-S11G-03	1000	100	131	172/178	187/193	152	11.5
CD C10-S12G-03	1000	100	131	178/184	193/199	158	12.2
CD C10-S13G-03	1000	100	131	184/190	199/205	164	12.8
CD C10-S14G-03	1000	100	131	190/196	205/211	170	13.5
CD C10-S15G-03	1000	100	131	196/202	211/217	176	14.2
CD C10-S16G-03	1000	100	131	202/208	217/223	182	15.0
CD C10-S17G-03	1000	100	131	208/214	223/229	188	15.7
CD C10-S18G-03	1000	100	131	214/220	229/235	194	16.4
CD C10-S19G-03	1000	100	131	220/226	235/241	200	17.2
CD C10-S20G-03	1000	100	131	226/232	241/247	203	18.0
CD C10-L20G-03	1000	100	131	232/232	247/247	209	18.3
CD C10-H20G-04*	500	100	131	232/232	247/247	209	18.3

*Options for side entry †Shallow option

Class C250

Galvanised Steel Edged Channel 100 Ductile Iron Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow channel available in 60mm and 80mm overall heights
- Galvanised steel edge rail
- Grating Waterway Area = 540cm² (per metre)



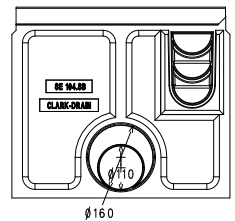
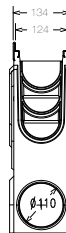
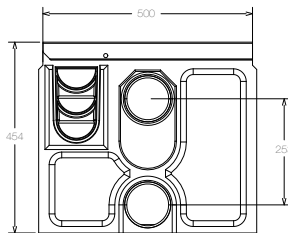
APPLICATIONS:

- Building entrances
- Service stations (non HGV)
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX

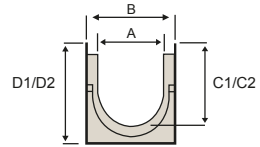
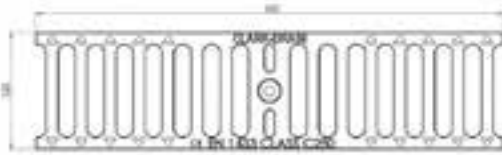


HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD C10-SBG-20	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



POLYPROPYLENE CHANNEL



CLASS A15 LOADING

CLASS C250 LOADING

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD C10-L06G-20†	1000	100	130	45/45	60/60	33	1.1
CD C10-L08G-20†	1000	100	130	65/65	80/80	53	2.3
CD C10-L00G-20	1000	100	131	112/112	127/127	89	5.3
CD C10-S01G-20	1000	100	131	112/118	127/133	92	5.5
CD C10-S02G-20	1000	100	131	118/124	133/139	98	6.1
CD C10-S03G-20	1000	100	131	124/130	139/145	104	6.6
CD C10-S04G-20	1000	100	131	130/136	145/151	110	7.2
CD C10-S05G-20	1000	100	131	136/142	151/157	116	7.7
CD C10-S06G-20	1000	100	131	142/148	157/163	122	8.3
CD C10-S07G-20	1000	100	131	148/154	163/169	128	8.9
CD C10-S08G-20	1000	100	131	154/160	169/175	134	9.6
CD C10-S09G-20	1000	100	131	160/166	175/181	140	10.2
CD C10-S10G-20	1000	100	131	166/172	181/187	146	10.8
CD C10-L10G-20	1000	100	131	172/172	187/187	149	11.2
CD C10-H10G-20*	500	100	131	172/172	187/187	149	11.2
CD C10-S11G-20	1000	100	131	172/178	187/193	152	11.5
CD C10-S12G-20	1000	100	131	178/184	193/199	158	12.2
CD C10-S13G-20	1000	100	131	184/190	199/205	164	12.8
CD C10-S14G-20	1000	100	131	190/196	205/211	170	13.5
CD C10-S15G-20	1000	100	131	196/202	211/217	176	14.2
CD C10-S16G-20	1000	100	131	202/208	217/223	182	15.0
CD C10-S17G-20	1000	100	131	208/214	223/229	188	15.7
CD C10-S18G-20	1000	100	131	214/220	229/235	194	16.4
CD C10-S19G-20	1000	100	131	220/226	235/241	200	17.2
CD C10-S20G-20	1000	100	131	226/232	241/247	203	18.0
CD C10-L20G-20	1000	100	131	232/232	247/247	209	18.3
CD C10-H20G-20*	500	100	131	232/232	247/247	209	18.3

CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES

*Options for side entry †Shallow option

Class C250

Galvanised Steel Edged Channel 100 Ductile Iron Narrow Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Pre-sloped system (providing 0.6% fall) and level fall system
- Internally and externally sloped channels
- Shallow channel available in 60mm and 80mm overall heights
- Galvanised steel edge rail
- 6mm slot grating
- Grating Waterway Area = 202cm² (per metre)



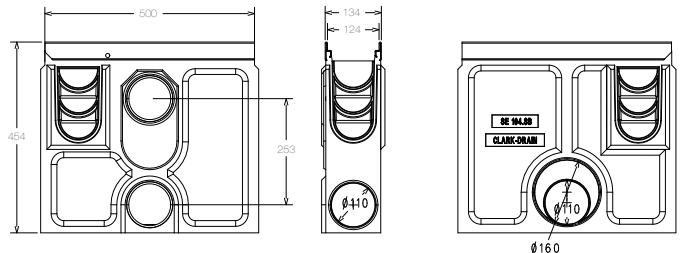
APPLICATIONS:

- Building entrances
- Service stations
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX

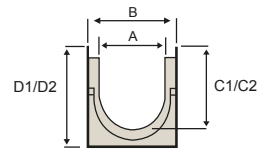
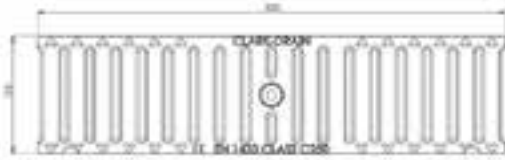


HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD C10-SBG-26	100	130	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



POLYPROPYLENE CHANNEL



CLASS A15 LOADING

CLASS C250 LOADING

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD C10-L06G-26†	1000	100	130	45/45	60/60	33	1.1
CD C10-L08G-26†	1000	100	130	65/65	80/80	53	2.3
CD C10-L00G-26	1000	100	131	112/112	127/127	89	5.3
CD C10-S01G-26	1000	100	131	112/118	127/133	92	5.5
CD C10-S02G-26	1000	100	131	118/124	133/139	98	6.1
CD C10-S03G-26	1000	100	131	124/130	139/145	104	6.6
CD C10-S04G-26	1000	100	131	130/136	145/151	110	7.2
CD C10-S05G-26	1000	100	131	136/142	151/157	116	7.7
CD C10-S06G-26	1000	100	131	142/148	157/163	122	8.3
CD C10-S07G-26	1000	100	131	148/154	163/169	128	8.9
CD C10-S08G-26	1000	100	131	154/160	169/175	134	9.6
CD C10-S09G-26	1000	100	131	160/166	175/181	140	10.2
CD C10-S10G-26	1000	100	131	166/172	181/187	146	10.8
CD C10-L10G-26	1000	100	131	172/172	187/187	149	11.2
CD C10-H10G-26*	500	100	131	172/172	187/187	149	11.2
CD C10-S11G-26	1000	100	131	172/178	187/193	152	11.5
CD C10-S12G-26	1000	100	131	178/184	193/199	158	12.2
CD C10-S13G-26	1000	100	131	184/190	199/205	164	12.8
CD C10-S14G-26	1000	100	131	190/196	205/211	170	13.5
CD C10-S15G-26	1000	100	131	196/202	211/217	176	14.2
CD C10-S16G-26	1000	100	131	202/208	217/223	182	15.0
CD C10-S17G-26	1000	100	131	208/214	223/229	188	15.7
CD C10-S18G-26	1000	100	131	214/220	229/235	194	16.4
CD C10-S19G-26	1000	100	131	220/226	235/241	200	17.2
CD C10-S20G-26	1000	100	131	226/232	241/247	203	18.0
CD C10-L20G-26	1000	100	131	232/232	247/247	209	18.3
CD C10-H20G-26*	500	100	131	232/232	247/247	209	18.3

CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES

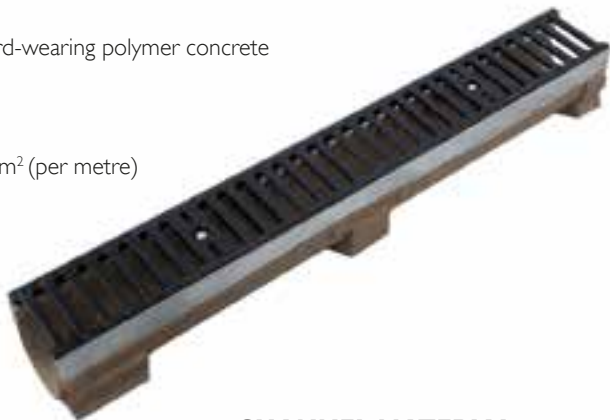
*Options for side entry †Shallow option

Class D400

Galvanised Steel Edged Channel 100 Ductile Iron Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Level fall system
- Galvanised steel edge rail
- Grating Waterway Area = 540cm² (per metre)



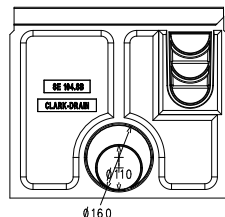
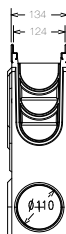
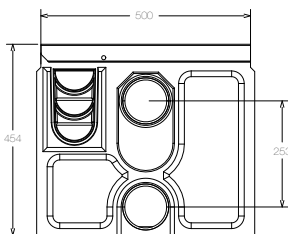
APPLICATIONS:

- Building entrances
- Service stations
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

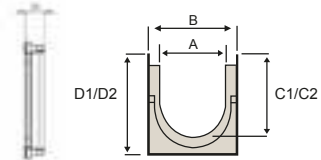
Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/s	DN150*/s
CD D10-SBG-2I	100	134	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



POLYPROPYLENE CHANNEL



CLASS A15 LOADING



CLASS C250 LOADING



CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD D10-L00G-21	1000	100	135	112/112	127/127	86	5.0
CD D10-L10G-21	1000	100	135	172/172	187/187	146	10.8
CD D10-L20G-21	1000	100	135	232/232	247/247	206	18.0

BLOCK SLOT

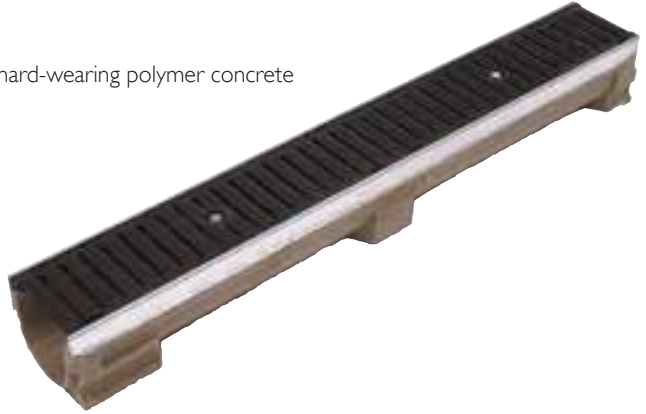
ACCESSORIES

Class D400

Galvanised Steel Edged Channel 100 Ductile Iron Narrow Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Level fall system
- Galvanised steel edge rail
- 6mm slot grating
- Grating Waterway Area = 180cm² (per metre)



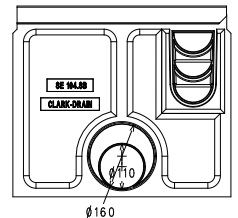
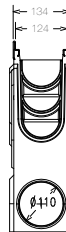
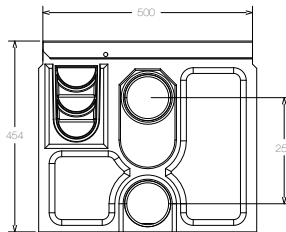
APPLICATIONS:

- Building entrances
- Service stations
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

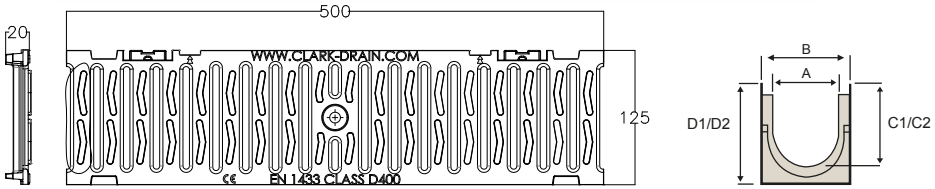
- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD D10-SBG-27	100	134	454	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



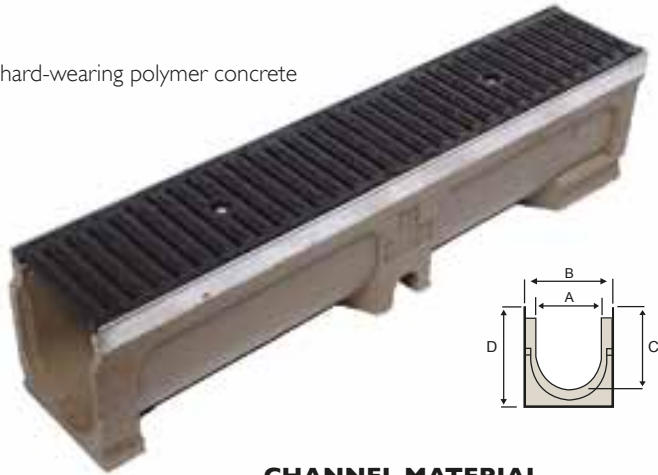
Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD D10-L00G-27	1000	100	135	112/112	127/127	86	5.0
CD D10-L10G-27	1000	100	135	172/172	187/187	146	10.8
CD D10-L20G-27	1000	100	135	232/232	247/247	206	18.0

Class D400

Galvanised Steel Edged Channel 150 Ductile Iron Narrow Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Constant depth channel
- Stepped fall system
- Galvanised steel edge rail
- 6mm Slot gratings
- Grating Waterway Area = 288cm² (per metre)



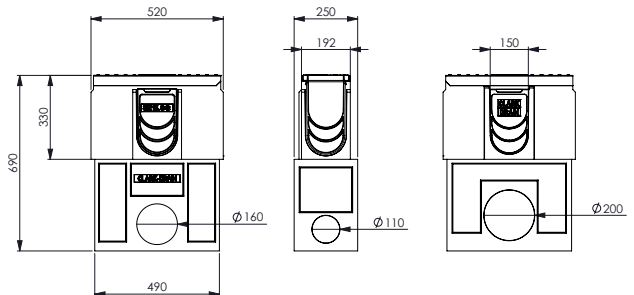
APPLICATIONS:

- Building entrances
- Service stations
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Example shown is 150 width.
For other Silt Box dimensions call 01733 765317.

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Outlet Type	DN100*1/s	DN150*1/s	DN200*1/s
CD DI5-SBG-27	150	192	690	Horizontal	18.4	38.1	58.5



Class D400
Galvanised Steel Edge Channel I50
Ductile Iron Narrow Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD D15-L00G-27	1000	150	192	160	175	135	8.2
CD D15-L10G-27	1000	150	192	210	225	210	15.5
CD D15-L20G-27	1000	150	192	260	275	285	24.2
CD D15-L30G-27	1000	150	192	310	325	360	34
CD D15-H00G-27	500	150	192	160	175	135	8.2
CD D15-H10G-27	500	150	192	210	225	210	15.5
CD D15-H20G-27	500	150	192	260	275	285	24.2
CD D15-H30G-27	500	150	192	310	325	360	34

Class D400

Galvanised Steel Edged Channel 200/300 Ductile Iron Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Constant depth channel
- Galvanised steel edge rail
- Grating Waterway Area:
200 = 1090cm² (per metre)
300 = 1540cm² (per metre)



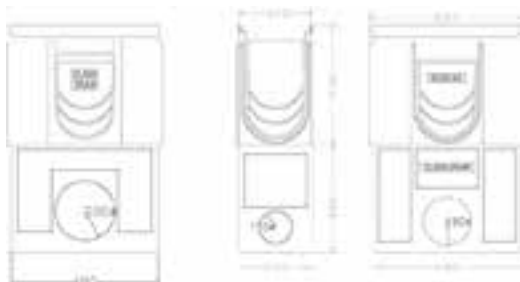
APPLICATIONS:

- Building entrances
- Service stations
- Car parks
- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



Example shown is 200 width.

For other Silt Box dimensions call 01733 765317.

HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Outlet Type	DN 100*1/s	DN 150*1/s	DN200*1/s
CD D20-SBG-2I	200	250	760	Horizontal	19.5	40.5	62.2
CD D30-SBG-2I	300	350	875	Horizontal	21.2	44.1	67.9

CLARK-DRAIN



THE DRAINAGE COMPANY

CALL DIRECT 01733 765317



POLYPROPYLENE
CHANNEL

CLASS A15
LOADING

CLASS C250
LOADING

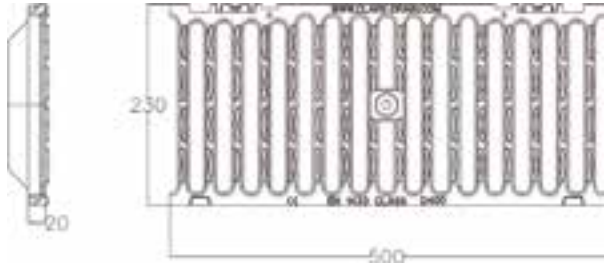
CLASS D400
LOADING

CLASS E600
LOADING

CLASS F900
LOADING

BLOCK SLOT

ACCESSORIES



Class D400
Galvanised Steel Edge Channel 200
Ductile Iron Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD D20-L00G-2I	1000	200	240	230	245	191	12.2
CD D20-L10G-2I	1000	200	240	280	295	291	22.2
CD D20-L20G-2I	1000	200	240	330	345	391	34.1
CD D20-L30G-2I	1000	200	240	380	395	491	47.4
CD D20-H00G-2I	500	200	240	280	295	291	22.2
CD D20-H10G-2I	500	200	240	330	345	391	34.1
CD D20-H20G-2I	500	200	240	380	395	491	47.4

Class D400
Galvanised Steel Edge Channel 300
Ductile Iron Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD D30-L10G-2I	1000	300	340	390	415	686	65.6
CD D30-L20G-2I	1000	300	340	440	465	836	87.2
CD D30-L30G-2I	1000	300	340	490	515	986	110.8
CD D30-H00G-2I	500	300	340	390	415	686	68.6
CD D30-H10G-2I	500	300	340	440	465	836	87.2
CD D30-H20G-2I	500	300	340	490	515	986	110.8

Class E600

Ductile Iron Edged Channel 100 Ductile Iron Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Ductile iron edge provides extra strength
- Pre-sloped system (providing 0.6% fall) and level fall system
- Gratings are locked by our unique boltless 'CatchLock' system for ease of maintenance access
- Interconnecting end details aid alignment during installation and reduce in situ movement under loading
- Grating Waterway Area = 512cm² (per metre)



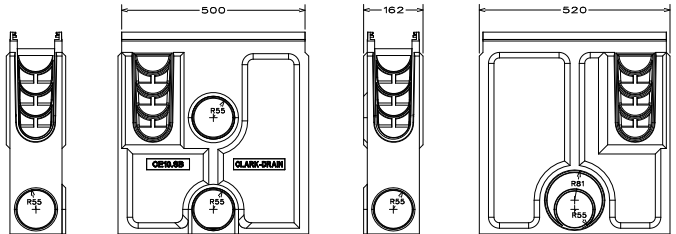
APPLICATIONS:

- Industrial Areas
- Heavy wheel loads
- Forklifts
- Service stations
- HGVs
- Factories

CHANNEL MATERIAL SPECIFICATION:

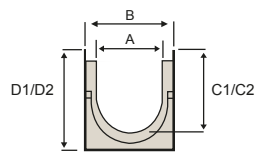
- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*l/s	DN150*l/s
CD E10-SBC-22	100	142	550	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD E10-L00C-22	1000	100	142	112/112	127/127	81	4.6
CD E10-S01C-22	1000	100	142	112/118	127/133	84	4.9
CD E10-S02C-22	1000	100	142	118/124	133/139	90	5.4
CD E10-S03C-22	1000	100	142	124/130	139/145	96	5.9
CD E10-S04C-22	1000	100	142	130/136	145/151	102	6.4
CD E10-S05C-22	1000	100	142	136/142	151/157	108	7.0
CD E10-S06C-22	1000	100	142	142/148	157/163	114	7.6
CD E10-S07C-22	1000	100	142	148/154	163/169	120	8.1
CD E10-S08C-22	1000	100	142	154/160	169/175	126	8.7
CD E10-S09C-22	1000	100	142	160/166	175/181	132	9.3
CD E10-S10C-22	1000	100	142	166/172	181/187	138	10.0
CD E10-L10C-22	1000	100	142	172/172	187/187	141	10.3
CD E10-S11C-22	1000	100	142	172/178	187/193	144	10.6
CD E10-S12C-22	1000	100	142	178/184	193/199	150	11.3
CD E10-S13C-22	1000	100	142	184/190	199/205	156	11.9
CD E10-S14C-22	1000	100	142	190/196	205/211	162	12.6
CD E10-S15C-22	1000	100	142	196/202	211/217	168	13.3
CD E10-S16C-22	1000	100	142	202/208	217/223	174	14.0
CD E10-S17C-22	1000	100	142	208/214	223/229	180	14.7
CD E10-S18C-22	1000	100	142	214/220	229/235	186	15.5
CD E10-S19C-22	1000	100	142	220/226	235/241	192	16.2
CD E10-S20C-22	1000	100	142	226/232	241/247	198	16.9
CD E10-L20C-22	1000	100	142	232/232	247/247	201	17.3
CD E10-H20C-22	500	100	142	232/232	247/247	201	17.3

Class E600

Ductile Iron Edged Channel 100 Ductile Iron Narrow Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Ductile iron edge provides extra strength
- Pre-sloped system (providing 0.6% fall) and level fall system
- Gratings are locked by our unique boltless 'CatchLock' system for ease of maintenance access
- Interconnecting end details aid alignment during installation and reduce in situ movement under loading
- 6mm Slot gratings
- Grating Waterway Area = 180cm² (per metre)



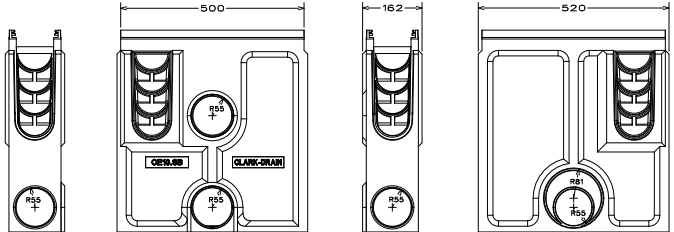
APPLICATIONS:

- Industrial Areas
- Service stations
- Heavy wheel loads
- HGVs
- Forklifts
- Factories & Warehouses

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD E10-SBC-28	100	142	550	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a

POLYPROPYLENE CHANNEL



CLASS A15 LOADING

CLASS C250 LOADING

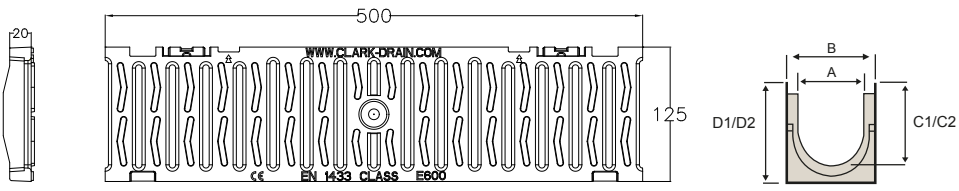
CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD E10-L00C-28	1000	100	142	112/112	127/127	81	4.6
CD E10-S01C-28	1000	100	142	112/118	127/133	84	4.9
CD E10-S02C-28	1000	100	142	118/124	133/139	90	5.4
CD E10-S03C-28	1000	100	142	124/130	139/145	96	5.9
CD E10-S04C-28	1000	100	142	130/136	145/151	102	6.4
CD E10-S05C-28	1000	100	142	136/142	151/157	108	7.0
CD E10-S06C-28	1000	100	142	142/148	157/163	114	7.6
CD E10-S07C-28	1000	100	142	148/154	163/169	120	8.1
CD E10-S08C-28	1000	100	142	154/160	169/175	126	8.7
CD E10-S09C-28	1000	100	142	160/166	175/181	132	9.3
CD E10-S10C-28	1000	100	142	166/172	181/187	138	10.0
CD E10-L10C-28	1000	100	142	172/172	187/187	141	10.3
CD E10-H10C-28	500	100	142	172/172	187/187	141	10.3
CD E10-S11C-28	1000	100	142	172/178	187/193	144	10.6
CD E10-S12C-28	1000	100	142	178/184	193/199	150	11.3
CD E10-S13C-28	1000	100	142	184/190	199/205	156	11.9
CD E10-S14C-28	1000	100	142	190/196	205/211	162	12.6
CD E10-S15C-28	1000	100	142	196/202	211/217	168	13.3
CD E10-S16C-28	1000	100	142	202/208	217/223	174	14.0
CD E10-S17C-28	1000	100	142	208/214	223/229	180	14.7
CD E10-S18C-28	1000	100	142	214/220	229/235	186	15.5
CD E10-S19C-28	1000	100	142	220/226	235/241	192	16.2
CD E10-S20C-28	1000	100	142	226/232	241/247	198	16.9
CD E10-L20C-28	1000	100	142	232/232	247/247	201	17.3
CD E10-H20C-28	500	100	142	232/232	247/247	201	17.3

Class F900

Ductile Iron Edged Channel 100 Ductile Iron Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Ductile iron edge adds strength against heavy traffic
- Pre-sloped system (providing 0.6% fall) and level fall system
- Gratings are locked by our unique bottless 'CatchLock' system for ease of maintenance access
- Interconnecting end details aid alignment during installation and reduce in situ movement under loading
- Built-in indents locate the position of the grating for easy installation and prevent longitudinal grating movement
- Grating Waterway Area = 380cm² (per metre)



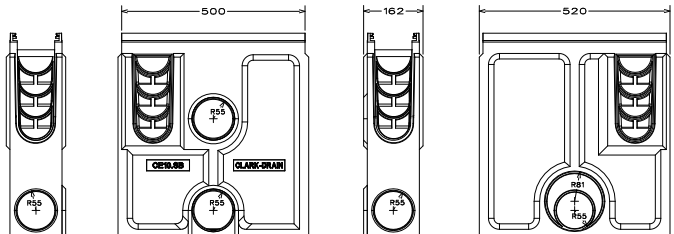
APPLICATIONS:

- Airports
- Service stations
- Loading bays
- Service yards
- Industrial sites

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX

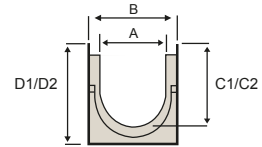
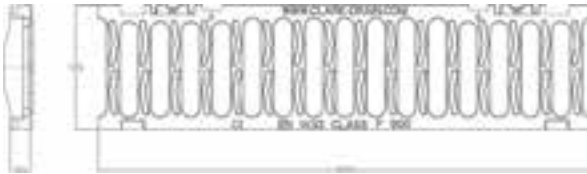
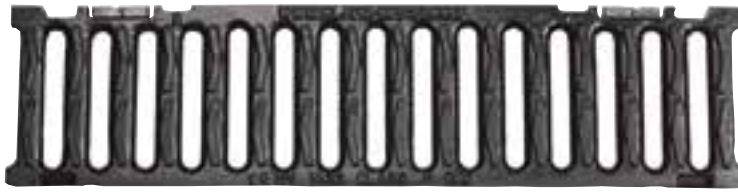


HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD F10-SBC-63	100	142	550	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



POLYPROPYLENE CHANNEL



CLASS A15 LOADING

CLASS C250 LOADING

CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD F10-L00C-63	1000	100	142	112/112	127/127	75	4.1
CD F10-S01C-63	1000	100	142	112/118	127/133	78	4.4
CD F10-S02C-63	1000	100	142	118/124	133/139	84	4.9
CD F10-S03C-63	1000	100	142	124/130	139/145	90	5.4
CD F10-S04C-63	1000	100	142	130/136	145/151	96	5.9
CD F10-S05C-63	1000	100	142	136/142	151/157	102	6.4
CD F10-S06C-63	1000	100	142	142/148	157/163	108	7.0
CD F10-S07C-63	1000	100	142	148/154	163/169	114	7.6
CD F10-S08C-63	1000	100	142	154/160	169/175	120	8.1
CD F10-S09C-63	1000	100	142	160/166	175/181	126	8.7
CD F10-S10C-63	1000	100	142	166/172	181/187	132	9.3
CD F10-L10C-63	1000	100	142	172/172	187/187	135	9.7
CD F10-H10C-63	500	100	142	172/172	187/187	135	9.7
CD F10-S11C-63	1000	100	142	172/178	187/193	138	10.0
CD F10-S12C-63	1000	100	142	178/184	193/199	144	10.6
CD F10-S13C-63	1000	100	142	184/190	199/205	150	11.3
CD F10-S14C-63	1000	100	142	190/196	205/211	156	11.9
CD F10-S15C-63	1000	100	142	196/202	211/217	162	12.6
CD F10-S16C-63	1000	100	142	202/208	217/223	168	13.3
CD F10-S17C-63	1000	100	142	208/214	223/229	174	14.0
CD F10-S18C-63	1000	100	142	214/220	229/235	180	14.7
CD F10-S19C-63	1000	100	142	220/226	235/241	186	15.5
CD F10-S20C-63	1000	100	142	226/232	241/247	192	16.2
CD F10-L20C-63	1000	100	142	232/232	247/247	195	16.6
CD F10-H20C-63	500	100	142	232/232	247/247	195	16.6

Class F900

Ductile Iron Edged Channel 100 Ductile Iron Narrow Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Ductile iron edge adds strength against heavy traffic
- Pre-sloped system (providing 0.6% fall) and level fall system
- Gratings are locked by our unique boltless 'CatchLock' system for ease of maintenance access
- Interconnecting end details aid alignment during installation and reduce in situ movement under loading
- Built-in indents locate the position of the grating for easy installation and prevent longitudinal grating movement
- Grating Waterway Area = 165cm² (per metre)



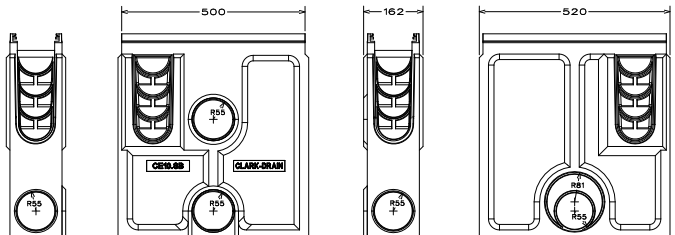
APPLICATIONS:

- Airports
- Service yards
- Loading bays
- Lorry parks
- Industrial sites
- Factories
- Service stations
- Warehouses

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Length (mm)	Outlet Type	DN100*/l/s	DN150*/l/s
CD F10-SBC-69	100	142	550	500	Horizontal	14.7	30.1
					Trapped	8.3	n/a



POLYPROPYLENE
CHANNEL

CLASS A15
LOADING

CLASS C250
LOADING

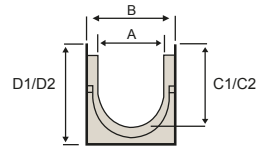
CLASS D400
LOADING

CLASS E600
LOADING

CLASS F900
LOADING

BLOCK SLOT

ACCESSORIES



Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C1/C2	External Height (mm) D1/D2	Internal Channel Area (cm ²)	Max through flow l/s
CD F10-L00C-69	1000	100	142	112/112	127/127	75	4.1
CD F10-S01C-69	1000	100	142	112/118	127/133	78	4.4
CD F10-S02C-69	1000	100	142	118/124	133/139	84	4.9
CD F10-S03C-69	1000	100	142	124/130	139/145	90	5.4
CD F10-S04C-69	1000	100	142	130/136	145/151	96	5.9
CD F10-S05C-69	1000	100	142	136/142	151/157	102	6.4
CD F10-S06C-69	1000	100	142	142/148	157/163	108	7.0
CD F10-S07C-69	1000	100	142	148/154	163/169	114	7.6
CD F10-S08C-69	1000	100	142	154/160	169/175	120	8.1
CD F10-S09C-69	1000	100	142	160/166	175/181	126	8.7
CD F10-S10C-69	1000	100	142	166/172	181/187	132	9.3
CD F10-L10C-69	1000	100	142	172/172	187/187	135	9.7
CD F10-H10C-69	500	100	142	172/172	187/187	135	9.7
CD F10-S11C-69	1000	100	142	172/178	187/193	138	10.0
CD F10-S12C-69	1000	100	142	178/184	193/199	144	10.6
CD F10-S13C-69	1000	100	142	184/190	199/205	150	11.3
CD F10-S14C-69	1000	100	142	190/196	205/211	156	11.9
CD F10-S15C-69	1000	100	142	196/202	211/217	162	12.6
CD F10-S16C-69	1000	100	142	202/208	217/223	168	13.3
CD F10-S17C-69	1000	100	142	208/214	223/229	174	14.0
CD F10-S18C-69	1000	100	142	214/220	229/235	180	14.7
CD F10-S19C-69	1000	100	142	220/226	235/241	186	15.5
CD F10-S20C-69	1000	100	142	226/232	241/247	192	16.2
CD F10-L20C-69	1000	100	142	232/232	247/247	195	16.6
CD F10-H20C-69	500	100	142	232/232	247/247	195	16.6

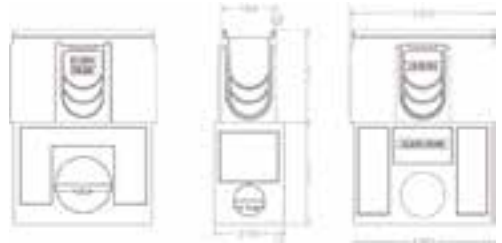
Class F900

Ductile Iron Edged Channel 150 / 200 / 300 Ductile Iron Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Level fall system
- Ductile iron edge adds strength against heavy traffic
- Gratings are locked by our unique boltless 'CatchLock' system for ease of maintenance access
- Interconnecting end details aid alignment during installation and reduce in situ movement under loading
- Built-in indents locate the position of the grating for easy installation and prevent longitudinal grating movement
- Grating Waterway Area: 150 = 558cm² (per metre), 200 = 782cm² (per metre), 300 = 1180cm² (per metre)

SILT BOX



HYDRAULIC CAPACITIES

Example shown is 150 width. For other Silt Box dimensions call 01733 765317.

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Outlet Type	DN100*/l/s	DN150*/l/s	DN200*/l/s
CD F15-SBC-63	150	192	690	Horizontal	18.4	38.1	58.5
CD F20-SBC-63	200	242	760	Horizontal	19.5	40.5	62.2
CD F30-SBC-63	300	350	875	Horizontal	21.2	44.1	67.9

CLARK-DRAIN



CALL DIRECT 01733 765317



POLYPROPYLENE CHANNEL

Class F900

Ductile Iron Edged Channel 150 Ductile Iron Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD F15-L00C-63	1000	150	192	160	175	123	7.2
CD F15-L10C-63	1000	150	192	210	225	198	14.2
CD F15-L20C-63	1000	150	192	260	275	273	22.7
CD F15-L30C-63	1000	150	192	310	325	348	32.4
CD F15-H00C-63	500	150	192	160	175	123	7.2
CD F15-H10C-63	500	150	192	210	225	198	14.2
CD F15-H20C-63	500	150	192	260	275	273	22.7
CD F15-H30C-63	500	150	192	310	325	348	32.4

CLASS A15
LOADING

CLASS C250
LOADING

Class F900

Ductile Iron Edged Channel 200 Ductile Iron Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD F20-L00C-63	1000	200	242	230	245	169	10.3
CD F20-L10C-63	1000	200	242	280	295	269	19.9
CD F20-L20C-63	1000	200	242	330	345	369	31.3
CD F20-L30C-63	1000	200	242	380	395	469	44.4
CD F20-H00C-63	500	200	242	280	295	269	19.9
CD F20-H10C-63	500	200	242	330	345	369	31.3
CD F20-H20C-63	500	200	242	380	395	469	44.4

CLASS D400
LOADING

CLASS E600
LOADING

Class F900

Ductile Iron Edged Channel 300 Ductile Iron Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD F30-L10C-63	1000	300	342	390	415	668	63.1
CD F30-L20C-63	1000	300	342	440	465	818	84.5
CD F30-L30C-63	1000	300	342	490	515	968	107.9
CD F30-H00C-63	500	300	342	390	415	668	63.1
CD F30-H10C-63	500	300	342	440	465	818	84.5
CD F30-H20C-63	500	300	342	490	515	968	107.9

CLASS F900
LOADING

BLOCK SLOT

ACCESSORIES

Class F900

Ductile Iron Edged Channel 150 / 200 / 300 Ductile Iron Narrow Slotted Grating

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete
- Level fall system
- Ductile iron edge adds strength against heavy traffic
- Gratings are locked by our unique boltless 'CatchLock' system for ease of maintenance access
- Interconnecting end details aid alignment during installation and reduce in situ movement under loading
- Built-in indents locate the position of the grating for easy installation and prevent longitudinal grating movement
- 6mm slot grating
- Grating Waterway Area: 150 = 270cm² (per metre)
200 = 362cm² (per metre) 300 = 362cm² (per metre)



APPLICATIONS:

- Airports
- Service stations
- Loading bays
- Service yards
- Industrial sites
- Lorry parks

CHANNEL MATERIAL SPECIFICATION:

- Resistance to bending: 22 MPa
- Resistance to compression: 90 MPa
- Resistance to heat: 70°C (resin HDT)

SILT BOX



HYDRAULIC CAPACITIES

Example shown is 150 width. For other Silt Box dimensions call 01733 765317.

Product Code	Internal Width (mm)	External Width (mm)	External Height (mm)	Outlet Type	DN100*/l/s	DN150*/l/s	DN200*/l/s
CD F15-SBC-69	150	192	690	Horizontal	18.4	38.1	58.5
CD F20-SBC-69	200	242	760	Horizontal	19.5	40.5	62.2
CD F30-SBC-69	300	350	875	Horizontal	21.2	44.1	67.9

CLARK-DRAIN



CALL DIRECT 01733 765317



POLYPROPYLENE CHANNEL

Class F900

Ductile Iron Edged Channel 150 Ductile Iron Narrow Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD F15-L00C-69	1000	150	192	160	175	123	7.2
CD F15-L10C-69	1000	150	192	210	225	198	14.2
CD F15-L20C-69	1000	150	192	260	275	273	22.7
CD F15-L30C-69	1000	150	192	310	325	348	32.4
CD F15-H00C-69	500	150	192	160	175	123	7.2
CD F15-H10C-69	500	150	192	210	225	198	14.2
CD F15-H20C-69	500	150	192	260	275	273	22.7
CD F15-H30C-69	500	150	192	310	325	348	32.4

CLASS A15
LOADING

CLASS C250
LOADING

Class F900

Ductile Iron Edged Channel 200 Ductile Iron Narrow Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD F20-L00C-69	1000	200	242	230	245	169	10.3
CD F20-L10C-69	1000	200	242	280	295	269	19.9
CD F20-L20C-69	1000	200	242	330	345	369	31.3
CD F20-L30C-69	1000	200	242	380	395	469	44.4
CD F20-H00C-69	500	200	242	280	295	269	19.9
CD F20-H10C-69	500	200	242	330	345	369	31.3
CD F20-H20C-69	500	200	242	380	395	469	44.4

CLASS D400
LOADING

CLASS E600
LOADING

Class F900

Ductile Iron Edged Channel 300 Ductile Iron Narrow Slotted Grating

Product Code	Length (mm)	Internal Width (mm) A	External Width (mm) B	Internal Height (mm) C	External Height (mm) D	Internal Channel Area (cm ²)	Max through flow l/s
CD F30-L10C-69	1000	300	342	390	415	668	63.1
CD F30-L20C-69	1000	300	342	440	465	818	84.5
CD F30-L30C-69	1000	300	342	490	515	968	107.9
CD F30-H00C-69	500	300	342	390	415	668	63.1
CD F30-H10C-69	500	300	342	440	465	818	84.5
CD F30-H20C-69	500	300	342	490	515	968	107.9

CLASS F900
LOADING

BLOCK SLOT

ACCESSORIES

Class B125

Polypropylene Block Slot Drainage System

Exceeds the BS EN 1433 loading requirement

The system is CE marked and fully certified to a 12.5 tonne test load for block paving and 25 tonnes for concrete.

Flexible design

The offset 10mm slot enables drainage location adjacent to walls and door thresholds.

Suitable for use with 80mm block paving.

Ready-sized covers when cutting channel to half meter lengths, saves on installation time.

Simple to install

1m length channels clip together for quick and simple on-site assembly without time-consuming adjustment.

The shallow channel, at just 75mm internal height, is ideal for limited depth installation.

Simple connections

Connection to outlet pipe is possible from the underside of the channel.

Durability

Ribbed columns give the channel excellent strength for load bearing.



End caps

Closed end caps are available separately as CD 412.



Architecturally attractive

The system is ideal for design transitions between different surfaces. The slotted plastic cover is compatible with all standard paviors, stone slabs and concrete and can offer discreet linear drainage between two surfaces.

Product Code	Length (mm)	Internal Width (mm)	Overall Width (mm)	Internal Height (mm)	Overall Height (mm)	Slot Width (mm)	Waterway area (cm ² per meter)
CD 430	1000	96	155	75	194	10	94

Class C250

Block Slot Drainage System

FEATURES INCLUDE:

- Slotted drainage channel to suit block-paved areas
- Metre length available on constant depth or pre-sloped channels
- 500mm access point c/w integral lifting keys
- Also available to suit 150 – 200mm wide channels (available on request)
- Choice of central or asymmetrical upstand with 10mm or 6mm slot
- Grating Waterway Area:
6mm slot = 60cm² (per metre)
10mm slot = 100cm² (per metre)



Integral lifting key



Product Code	Description
CD C10-L00G-BS1	127mm high polymer concrete channel c/w 10mm block slot channel with 85 mm upstand
CD C10-L00G-BS3	127mm high polymer concrete channel c/w 6mm block slot channel with 85 mm asymmetrical upstand
CD C10-L08G-BS3	Shallow 80mm high polymer concrete channel c/w 6mm block slot channel with 85 mm asymmetrical upstand
CD C10-L10G-BS3	187mm high polymer concrete channel c/w 6mm block slot channel with 85mm asymmetrical upstand
CD C10-L20G-BS3	247mm high polymer concrete channel c/w 6mm block slot channel with 85mm asymmetrical upstand
CD C10-H10G-API	187mm high polymer concrete junction c/w block slot linear drainage access point
CD C10-H20G-API	247mm high polymer concrete junction c/w block slot linear drainage access point
CD C10-SBG-API	Silt box complete with block slot linear drainage access point

For overall channel height, add the height of channel to be used to the upstand height (see table below and table on page 21).

POLYPROPYLENE CHANNEL

CLASS A15 LOADING

CLASS C250 LOADING

CLASS D400 LOADING

CLASS E600 LOADING

CLASS F900 LOADING

BLOCK SLOT

ACCESSORIES

End Caps

Outlet End Caps



Plain End Caps



Product Code	Description	Channel Edge
CD SE10.E20	Plain end cap to suit all 100mm wide series channels	Galvanised Steel or Ductile Iron
CD SE10.OU00	Outlet end cap to suit 100mm wide channels (L00 + H00)	Galvanised Steel or Ductile Iron
CD SE10.OU10	Outlet end cap to suit 100mm wide channels (no I0 + L10 + H10)	Galvanised Steel or Ductile Iron
CD SE10.OU20	Outlet end cap to suit 100mm wide channels (no 20 + L20 + H20)	Galvanised Steel or Ductile Iron
CD SSE10.E20	Plain end cap to suit all 100mm wide channels	Stainless steel
CD SSE10.OU00	Outlet end cap to suit 100mm wide channels (L00 +H00)	Stainless steel
CD SSE10.OU10	Outlet end cap to suit 100mm wide channels (L10 + H10)	Stainless steel
CD SSE10.OU20	Outlet end cap to suit 100mm wide channels (L20 + H20)	Stainless steel
CD SE15.E20	Plain end cap to suit all 150mm wide channels	Galvanised Steel or Ductile Iron
CD SE15.OU00	Outlet end cap to suit 150mm wide channel L00	Galvanised Steel or Ductile Iron
CD SE15.OU10	Outlet end cap to suit 150mm wide channel L10	Galvanised Steel or Ductile Iron
CD SE15.OU20	Outlet end cap to suit 150mm wide channel L20	Galvanised Steel or Ductile Iron
CD SE20.E20	Plain end cap to suit all 200mm wide channels	Galvanised Steel or Ductile Iron
CD SE20.OU00	Outlet end cap to suit 200mm wide channel L00	Galvanised Steel or Ductile Iron
CD SE20.OU10	Outlet end cap to suit 200mm wide channel L10	Galvanised Steel or Ductile Iron
CD SE20.OU20	Outlet end cap to suit 200mm wide channel L20	Galvanised Steel or Ductile Iron
CD SE30.E20	Plain end cap to suit all 300mm wide channels	Galvanised Steel or Ductile Iron
CD SE30.OU00	Outlet end cap to suit 300mm wide channel L00	Galvanised Steel or Ductile Iron
CD SE30.OU10	Outlet end cap to suit 300mm wide channel L10	Galvanised Steel or Ductile Iron
CD SE30.OU20	Outlet end cap to suit 300mm wide channel L20	Galvanised Steel or Ductile Iron

Linear Drainage Maintenance

LINEAR DRAINAGE CARE AND MAINTENANCE

FREQUENCY OF INSPECTION

It is not possible to state the frequency of inspections, as it will vary upon the location and environment in which the channel is situated. In general the frequency of inspection should be based upon local knowledge. Inspections should pay particular regard to the condition of the following:

- Gratings or covers where fitted Lockings for gratings or covers
- Sump/gully outlet Concrete surround (where exposed at surface)
- Pavement condition adjacent to the channel

Channels may be rodded or cleaned with shovels (generally in a direction away from outlet to avoid contaminating the underground connections)

- Ensure gratings (or covers) are relocked into position on completion of maintenance operation. Damaged gratings (or covers) should be replaced.
- The locking system (whether removed for cleaning or otherwise) should always be checked for security.
- Replace any damaged bolts or locking bars.
- Remove sump/gully sediment buckets and clean out. Replace bucket before cleaning channel and re-empty following cleaning of the channel if necessary. Flush sump/gully to ensure it runs freely to underground connections.
- Where exposed the concrete haunch should be repaired if damaged. The edge of the channel should not be left exposed. The level along the haunch should be checked and compared with construction drawings.
- Deviations from installation drawings may indicate or suggest suspect ground conditions and engineering advice may be necessary.
- If applicable, joint seals should be repaired or renewed in accordance with manufacturers recommendations.
- Steam cleaning agents should not normally be required if maintenance is a regular procedure.
- Steam cleaning of polyester and vinylester channels is not recommended.

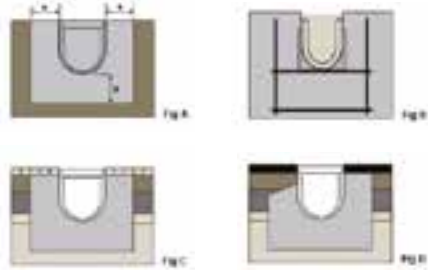
Linear Drainage Installation Procedures

- 1 It is always recommended that you start at the discharge/outlet end of the run.
- 2 Dig a trench for the channel installation with dimensions dependent on the width and height of the channel and the load class required (as shown in table).
- 3 Locate outlet channel, Silt-Box or Gully dependent on which is to be used, pour bedding concrete and position to proper level and alignment.
- 4 Install pipe connections and back fill to required level with concrete.
- 5 If using pre-sloped channels it is always recommended that the channels are laid out at the side of the trench in numerical order prior to laying.
- 6 When using constant channel and pre-sloped the constant channel always comes above the sloped channel with the same number (ie. No.10 > L10 > No 11).
- 7 On the bottom of the trench place a bed of concrete. (Thickness and quality will be dependent on load class required as per Fig A.)
- 8 Lay the channels beginning with deepest first and in numerical order counting down.
- 9 Fit the channels together by sliding them from top to bottom ensuring no concrete gets in between the joint. Adjust channels for alignment as you go.
- 10 To complete the run place the closing end cap and seal to the channel.
- 11 Once the run is complete and end cap in place the final surround of concrete can be poured. The concrete surround must be finished between 2–3mm above the grating surface. It is important that the channels are protected against any kind of lateral forces and/or pressures during and after installation and it is therefore recommended that the gratings or pieces of wood are placed in the channels prior to pouring concrete.

For F900 class installation, you may want to put a wire netting in the concrete to avoid any cracking due to longitudinal sagging. Using such netting allows to add transverse reinforcing rods to sustain the channel's weight when pouring concrete (as Fig B).

- **Block Paving:** Paving stones must be 2 – 3mm higher than the upper edge of the channel. In case of paving stones the first 3 rows of blocks adjacent to the channels must be bedded in concrete. (as Fig C)
- **Bitumen:** The final coating should be flush with the upper edge of the channel or, even better, should be 2 – 3mm higher than the upper edge of the channel. (as Fig D)

Class		a	b	Surrounding concrete
Class A	1 5 kN	>8 cm	>8 cm	15 N/mm ²
Class B	12 5 kN	>10 cm	>10 cm	25 N/mm ²
Class C	250kN	>15 cm	>15 cm	25 N/mm ²
Class D	400kN	>20 cm	>20 cm	25 N/mm ²
Class E	600kN	>20 cm	>20 cm	25 N/mm ²
Class F	900kN	>25 cm	>25 cm	25 N/mm ²

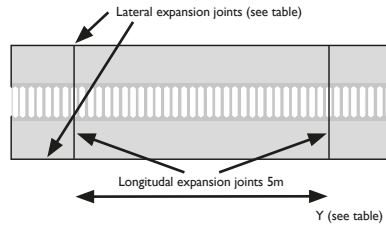


LATERAL AND LONGITUDINAL EXPANSION JOINTS

Longitudinal expansion joints have to be placed approximately every 5 metres and at any junctions. These joints have to be continued into the concrete case (bedding).

A lateral expansion joint should be placed between each face of the concrete case and the bitumen or concrete paving. These expansion joints are there to absorb thermal expansions and therefore prevent any crushing or destruction of the channel lines (as shown).

All Clark-Drain channels can be easily accessed for rodding or flushing to maintain their efficiency.



Please note that we do not recommend the use of narrow-slot gratings in our larger channels where maximum hydraulic capacity is a concern as the drainage efficiency will be adversely affected by the reduced water intake area of the grating.

Please note that the coating used on all ductile iron products is a temporary coating only. According to the environment they are used in, ductile iron products might begin to oxidise. Such oxidation does not affect the integrity or strength of the goods in any way, and should not be compared to the corrosion of mild steel. After the initial stage, the oxidation rate of ductile iron will decrease and a protective layer will build up. When trafficked the surface will gradually take on a dark polished finish. Should this not be desirable we recommend that the goods be painted with a proprietary rust-inhibiting paint at periodic intervals as needed. Any coating that is applied to the goods when delivered is intended to protect the goods between manufacture and installation only.

CLARK-DRAIN



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LOCAL STOCKIST

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Due to our continual development programme, we reserve the right to upgrade products without prior notice.
All products must be installed in accordance with Clark-Drain installation guidelines.

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