

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, and provide a wide range of products across all sectors and applications coupled with the highest levels of customer service.

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MANY CHOICES. ONE RELIABLE SOURCE.

Through design, manufacture and distribution we set out to deliver products of recognised quality which can contribute in a positive way to the installation, operation and maintenance of drainage products. Clark-Drain offer a comprehensive range of products that are engineered to include standard and optional features that help to improve durability, operator safety, asset security and performance.

SAFETY FIRST AND FOREMOST

It is a guiding principle of Clark-Drain to consider the health and safety of all individuals who use our products. We recognise that we have a duty to take all reasonable steps to promote and maintain safe and healthy working conditions. It is part of our culture and an integral part of our commitment to employee welfare and to users of our products.

QUALITY ASSURANCE

All Clark-Drain linear drainage products meet the new Construction Product Regulations that came into effect on 1 July 2013 and are CE marked to comply with EU legislation. Our cast iron gully gratings and access covers also conform to legislation and are kitemark certified to BS EN 124.

All work is carried out under a BS EN ISO 9001 quality management system to provide consistency and improvement of working practices and assure customers that our products and services meet their requirements.

DELIVERING YOUR NEEDS

Our considerable manufacturing capacity for plastic, steel and cast iron products, extensive stock holding and distribution capabilities enables us to offer same day despatch with delivery within 3 working days, for standard stocked items.

Round Solid Top Cover 450mm PPIC Chamber

CD 452

- Circular polypropylene cover and frame
- Tested to 35kN, suitable for domestic driveway loading
- Dual locking (the lid locks to the frame and the frame locks to the chamber)
- Suitable for all major manufacturer's PPIC chambers
- Light and easy to install, ideal for tarmac, grass and gravel. Unique slip resistant surface tread pattern.

CD 499 reducer

If you have an inspection chamber deeper than 1.2m the regulations call for the clear opening to be reduced to 350mm. Our solution is the CD 499 reducer:

CD U455 riser

- 450mm diameter riser complete with sealing ring effective height 300mm with an overall height of 340mm
- Grooves on the riser enable easier cutting if needed

CD U453 base

- 450mm diameter 5 × 110mm inlets/outlets. 30mm height
- Chamber base c/w 3 bungs and 3 blanking plates. I, 2 or 3
 flows can be stopped by using the bungs and the blanking plates.
 The blanking plates reduce waste being deposited in the unused inlet(s).











CALL DIRECT 01733 765317

300mm Circular and Square Solid Top Covers

Complete Polypropylene Inspection Chambers

All 300 series covers, risers and bases are made from 100% recycled polypropylene. Chamber assemblies can satisfy maximum inverts up to 0.4m and 0.6m as stated in the Building Regulations Part H. For use directly with 110mm plastic pipe work, Risers may be cut to achieve required invert depth.

FEATURES

Cover and frame

- For either pedestrian or domestic driveway use (depending on cover selection for I5kN or 35kN loading)
- 15° tilt action enables easy levelling on sloped surfaces

Riser

- Shallow inspection chamber with rib design for added strength against distortion
- Choice of riser with effective depth of 190mm and 400mm

CD 300

- Suitable for domestic driveways
- Circular opening in frame fits CD U354 and CD U355 riser
- Supplied with 4 locking screws

| Product Code | Clear Opening (mm) | Overall Frame Size (mm) | Loading |
|--------------|--------------------|----------------------------|---------|
| CD 300 | 220-300 Dia | 438 × 438 × 37* | 35kN |

^{*}Not including reducer steps

For our full range of polypropylene inspection chambers call us today on 01733 765317 to request a brochure

SALES@CLARK-DRAIN.COM

Base

■ Three and five outlet options for multiple directional flow of waste water and layout flexibility

CD U3002

300mm Diam. Clear Opening Circular Lid Assembly with riser and 3 inlet base -15kN loading suitable for pedestrian areas.



Square Frame Solid Top Cover 450mm PPIC Chamber

Clark-Drain have developed the most effective and safety conscious polypropylene inspection covers.

Compliant to Part H of the Building Regulations 2002.

Part H refers to drainage and waste disposal and states: Small lightweight access covers will have to be secured (eg. with screws) to deterunauthorised access.



FEATURES

- Dual locking facility
- 35kN driveway loading
- Extended frame for levelling to surrounding surfaces
- New deeper frame
- Square frame with unique circular lid for ease of access and installation
- Fits all major manufacturer's PPIC Chambers
- Enhanced slip resistant surface tread
- Can be used with CD 499 restricted access reducer (optional)





| Product Code | Clear Opening (mm) | Overall Frame Size (mm) | Loading |
|--------------|--------------------|----------------------------|---------|
| CD 456 | 450 diameter | 560 × 560 / 133.5 | 35kN |



Square to Round Recessed Cover and Frame

Since the nineties the majority of newly built houses have had circular plastic inspection chambers installed. Following extensive market research Clark-Drain developed the CD 300SR which enables the frame to be easily connected to the top of all shallow inspection chambers.

FEATURES

- Circular opening in frame fits all major manufacturer's PPIC shallow inspection chambers (Multi fit 220-300 Chambers)
- More accessible (fits directly on the chamber)
- Corrosion resistant
- Aesthetically pleasing
- Driveway loading 35kN
- Integral lifting keys
- Polypropylene cover and frame
- Quick and easy to install
- The tray can be rotated to match the direction of paving
- Eliminates the need to cut the paving around a circular opening
- Made from recycled material

Integral handle tested to withstand 120kgs of direct lift





| Product Code | Clear Opening (mm) | Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|--------------|-----------------------|--------------------|----------------------------|---------|
| CD 300SR | 300 diameter | 80 | 438 x 438 / 93* | 35kN |

*Overall frame size does not include reducer steps



Fits all major shallow inspection chambers





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WWW.CLARK-DRAIN.COM

LINEAR DRAINAGE

Recessed Cover for Garden and Soft Landscapes

The Chameleon®

Ideal for landscaping, the CD 470 replaces unattractive manhole covers in lawns, bedding areas and footpaths using a 100mm deep recess design which enables a variety of infills including grass, bark, turf, soil and grass seed, chippings, gravel and plants.



CD 470

FEATURES

- Pedestrian load rating
- Recessed for infill with landscaping materials (soil, gravel etc.)
- Corrosion resistant, 100% recyclable black polypropylene
- Integral 3-point screw locking
- Retrofits to existing 450mm diameter PPIC to disguise manhole cover with surroundings
- Supplied with 2 lifting keys
- Drainage holes in base of tray

The answer to unsightly manhole covers



| Product Code | Clear opening (mm) | Internal Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|--------------|-----------------------|-----------------------------|-------------------------|---------|
| CD 470 | 450 diameter | 100 | 496 | 15kN |



Load Class Descriptions

Galvanised Steel Products

For our steel products, loading classes range from 2.5 tonnes to 38 tonnes gross plated weight. The appropriate loading class depends on the place of installation as indicated below. Where there is any doubt the higher load class should be selected.

Clark-Drain Ref.A

GROSS PLATED WEIGHT: 2.5 TONNE

For pedestrian use.



Will support a slow moving wheel load of 1.25 tonnes. Recommended for domestic driveway applications.

Clark-Drain Ref. C

GROSS PLATED WEIGHT: 10 TONNE

Will support a slow moving wheel load of 2.5 tonnes. Restricted access and service areas.

Clark-Drain Ref. D
GROSS PLATED WEIGHT:
17 TONNE

Will support a slow moving wheel load of 4.25 tonnes. Small rigid commercial vehicles.





Clark-Drain Ref. E

GROSS PLATED WEIGHT: 25 TONNE

Will support a slow moving wheel load of 6.25 tonnes. Pedestrian precincts, commercial delivery access and emergency services.



Clark-Drain Ref. F

GROSS PLATED WEIGHT: 38 TONNE

Will support a slow moving wheel load of 9.5 tonnes. Petrol forecourt and articulated lorries.



OTHER TRAFFIC

Clark-Drain must be notified if inspection covers ordered are to carry vehicles with non pneumatic tyres eg. forklifts, mobile cranes, short wheel trollies, plus aircraft or any other abnormal traffic.







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Square to Round Recessed Cover and Frame



The polypropylene frame of our CD 450SR can be easily connected to the top of all major manufacturer's 450 PPIC inspection chambers.

To be used where new block paving is being installed over areas with PPIC inspection chambers.

Supplied with integral handle

FEATURES

- Driveway Loading
- Integral lifting keys
- Galvanised tray can be rotated to fit within the frame
- Galvanised to BS FN 1461
- Quick and easy to install
- Cover can be turned to match direction of paving
- Eliminates the need to cut paving around a circular opening
- Aesthetically pleasing
- Designed to fit a 450 PPIC chamber

Integral handle tested to withstand 120kgs of direct lift





MARSHALLS APPROVED



Creating Better Landscapes

| Product Code | Clear Opening (mm) | Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|--------------|-----------------------|--------------------|----------------------------|---------|
| CD 450SR | 450 diameter | 80 | 580 × 580 × 88* | IOT GPW |





Recessed Cover and Frame

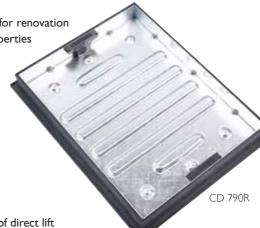
For Driveways



Driveway loading recess covers - primarily for renovation and replacement of manhole covers on properties that were built prior to using circular PPIC.

FEATURES

- Recessed for 50/65/80mm paving slabs
- Covers made from galvanised steel
- Black polypropylene and galvanised steel frame options



Integral handle tested to withstand 120kgs of direct lift





MARSHALLS APPROVED



Creating Better Landscapes

| Product Code | Clear Opening (mm) | Internal Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|------------------|-----------------------|-----------------------------|----------------------------|---------|
| *CD 790R | 600 × 450 | 65 | 695 × 545 × 78 | I0T GPW |
| *CD 790R/80 | 600 × 450 | 80 | 695 x 545 x 96 | IOT GPW |
| *CD 790R/80/SF 📥 | 600 × 450 | 80 | 650 × 500 × 85 | IOT GPW |
| **CD 790R/100 | 600 × 450 | 100 | 725 × 575 × 107 | I0T GPW |
| *CD 791R | 600 × 600 | 80 | 690 x 690 x 96 | I0T GPW |
| **CD 791R/SF 🔼 | 600 × 600 | 80 | 725 × 725 × 87 | I0T GPW |
| **CD 791R/100 📥 | 600 × 600 | 100 | 725 × 725 × 107 | IOT GPW |
| **CD 793R/100 📥 | 750 × 600 | 100 | 875 × 725 × 107 | I0T GPW |
| **CD 794R/100 📥 | 750 × 750 | 100 | 875 × 875 × 107 | IOT GPW |
| **CD 795R/100 📥 | 900 × 600 | 100 | 1025 x 730 x 107 | IOT GPW |
| **CD 796R/100 📥 | 900 × 900 | 100 | 1025 x 1025 x 107 | I0T GPW |

*Integral lifting handle **Requires CD 553 lifting keys (sold separately)

Overall frame size does not include strengthening support.

Steel Frame

Recessed Cover and FrameFor Loadings up to 38 Tonne GPW



FEATURES

- Steel covers and frame
- Corner pads for extra secure bedding
- Hot dipped galvanised to BS EN 1461
- Sealed and locking options available on request
- Non standard sizes available on request in galvanised and stainless steel
- Security locking available on request
- Integrated corner lifting key holes (CD 553, CD553L or CD 556 lifting keys required, available separately)





| Product Code | Clear Opening (mm) | Internal Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|---------------|-----------------------|-----------------------------|----------------------------|---------|
| CD 790R/HD100 | 600 × 450 | 100 | 745 x 595 x 110 | 38T GPW |
| CD 791R/HD100 | 600 × 600 | 100 | 745 x 745 x 110 | 38T GPW |

Overall frame size does not include strengthening support



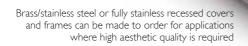
THG3

'T' Range Recessed Cover and Frame (Internal Pedestrian Use Only)

The 'T' range suits a wide range of shallow tray applications for internal use and is ideal for a variety of floor coverings such as screed, carpet tiles and many more, leaving it virtually invisible to the eye once installed.

FEATURES

- Up to 900 x 600 clear opening
- Polypropylene frames are manufactured from fully recycled material
- Moulded grouting flange
- Fully interchangeable cover
- Factory fitted rubber sealing gasket to prevent unwanted odours (except CD 790R/46)
- CD 776 key required (sold separately)



| Product Code | Clear Opening (mm) | Internal Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|-------------------|-----------------------|-----------------------------|----------------------------|---------|
| *TIG3 | 300 dia | 43.5 | 440 × 440 × 52 | 5T GPW |
| * • CD 450SR/46SL | 450 dia | 43.5 | 580 x 580 x 54 | 5T GPW |
| * • CD 790R/46 | 600 × 450 | 43.5 | 740 × 590 × 58 | 5T GPW |
| *TIIG3 | 600 × 450 | 43.5 | 740 × 590 × 58 | 5T GPW |
| TIIG3/SF 📥 | 600 × 450 | 43.5 | 740 × 590 × 50 | 5T GPW |
| • T16G3 | 600 × 600 | 43.5 | 740 × 740 × 58 | 5T GPW |
| T16G3/SF 📥 | 600 × 600 | 43.5 | 740 × 740 × 50 | 5T GPW |
| • T26G3 📥 | 750 × 600 | 43.5 | 830 × 680 × 60 | 5T GPW |
| • T31G3 📥 | 750 × 750 | 43.5 | 830 × 830 × 60 | 5T GPW |
| • T36G3 📥 | 900 × 600 | 43.5 | 980 × 680 × 60 | 5T GPW |

● CD 776 Lifting key required (sold separately) *Integral lifting handles. ▲ Supplied with steel frames.

[♦] Internal or external pedestrian use. Overall frame size does not include strengthening support.

Aqua Knight Recessed Cover and Frame (Internal Pedestrian Use Only)

Our Aqua Knight range of recessed covers and frames are ideal for odour prevention and preventing water ingress in high water table areas.

FEATURES

- Suitable for high water-table areas
- Tapered frame for secure bedding
- Factory fitted (single) neoprene seal
- Water (to 1 metre head of pressure) and odour tight
- Multi-point locking screws
- Lifting keys included



| Product Code | Clear Opening (mm) | Internal Tray Depth (mm) | Overall Frame Size (mm) | Loading |
|--------------|-----------------------|-----------------------------|----------------------------|---------|
| AQK 4545 | 450 x 450 | 43.5 | 550 × 550 × 50 | 5T GPW |
| AQK 6045 | 600 x 450 | 43.5 | 700 x 550 x 50 | 5T GPW |
| AQK 6060 | 600 × 600 | 43.5 | 700 x 700 x 50 | 5T GPW |
| AQK 7560 | 750 × 600 | 43.5 | 850 x 700 x 50 | 5T GPW |
| AQK 7575 | 750 x 750 | 43.5 | 850 × 850 × 50 | 5T GPW |
| AQK 9060 | 900 × 600 | 43.5 | 1000 x 700 x 50 | 5T GPW |

All AQK range supplied with CD 776 keys. All supplied with Steel Frames.

Overall frame size does not include strengthening support



Solid Top Access Covers Pressed cover (PC Range)

Clark-Drain design and manufacture a comprehensive range of pressed access covers and frames. Please contact Clark-Drain for advice should you require units over the specifications listed. Gross vehicle plated weight is expressed as the gross weight of road vehicles with pneumatic tyres and four points of road contact.



Mark denotes loading Clark-Drain Ref. A = Pedestrian Clark-Drain Ref. B = 5 Tonne Clark-Drain Ref. C = 10 Tonne



| | Product Code | Clear Opening (mm) | Overall Frame Size (mm) | Frame Depth (mm) |
|--------------|--------------|-----------------------|----------------------------|---------------------|
| Pedestrian | PC5AG | 450 × 450 | 513 × 513 | 30 |
| 2.ST GPW | PC6AG | 600 × 450 | 663 × 513 | 30 |
| 231 0711 | PC7AG | 600 × 600 | 663 × 663 | 30 |
| 5 Tonne GPW | PC2BG | 300 × 300 | 363 × 363 | 30 |
| | PC5BG | 450 × 450 | 513 x 513 | 30 |
| 5T GPW | PC6BG | 600 x 450 | 663 x 513 | 30 |
| | PC7BG | 600 × 600 | 663 × 663 | 30 |
| 10 Tonne GPW | PC5CG | 450 × 450 | 513 × 513 | 30 |
| IOT GPW | PC6CG | 600 x 450 | 663 × 513 | 30 |
| | PC7CG | 600 × 600 | 663 × 663 | 30 |
| 17 Tonne GPW | PC7DG | 600 x 600 | 663 × 663 | 30 |
| 25 Tonne GPW | PC6EG | 600 x 450 | 663 × 513 | 30 |

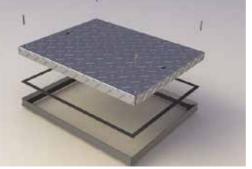
Overall frame size does not include strengthening support

Solid Top Access Covers

Pressed cover (PC Range)

Sealed and Locking





Products with ratings to FACTA loading classes

Products with ratings to FACTA loading classes can be supplied on request (see page 37 for FACTA Guide)

| | | Product Code | Clear Opening (mm) | Overall Frame Size (mm) | Frame Depth (mm) |
|--|-------------|--------------|-----------------------|----------------------------|---------------------|
| 5 Tonne GPW | | PC5BG3 | 450 × 450 | 513 x 513 | 30 |
| The state of the s | | PC6BG3 | 600 x 450 | 663 x 513 | 30 |
| 51 | ST GPW | PC7BG3 | 600 × 600 | 663 x 663 | 30 |
| • | ot gpw | PC6CG3 | 600 × 450 | 663 x 513 | 30 |

Frame size does not include strengthening support.

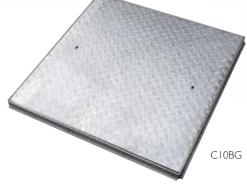


Solid Top Access Covers Chequer Plate

Our C range is a solid top option with galvanised chequer plate covers designed to give excellent slip resistance. This is achieved by having an evenly distributed raised pattern that is integral to the cover.

FEATURES

- Solid top with Durbar tread
- Galvanised steel cover and frame
- Close key holes (keys sold separately)



| | | Product Code | Clear Opening (mm) | Overall Size (mm) | Frame Depth (mm) |
|--------------|------------------|--------------|-----------------------|-------------------|---------------------|
| 5 Tonne GPW | | C7BG | 600 × 600 | 664 x 664 | 38 |
| | | C9BG | 750 × 600 | 814 × 664 | 38 |
| 5 | ST GPW | CIOBG | 750 x 750 | 814 × 814 | 38 |
| | | CIIBG | 900 × 600 | 964 × 664 | 38 |
| | | C12BG | 900 x 750 | 964 × 814 | 38 |
| | | C13BG | 900 x 900 | 964 × 964 | 38 |
| 17 Tonne GPW | | C9DG | 750 × 600 | 814 × 664 | 38 |
| | | CI0DG | 750 x 750 | 814 × 814 | 38 |
| | 17T GPW | CIIDG | 900 × 600 | 964 × 664 | 38 |
| | 00 00 88T GPW | C7FG | 600 × 600 | 660 × 660 | 50 |

Frame depth frame size does not include strengthening support

SEALED AND LOCKING

| 5 Tonne GPW | | C9BG3 | 750 × 600 | 810 × 660 | 50 |
|-------------|--------|--------|-----------|-----------|----|
| | ST GPW | CIIBG3 | 900 × 600 | 960 × 650 | 50 |

Frame depth frame size does not include strengthening support

Linear Drainage

Load Class

Our linear drainage series offers a range of products supplied as complete channel and grating systems to meet the 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 below and is the responsibility of the designer. Where there is any doubt the higher load class should be selected.

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

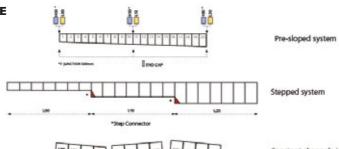
DESIGNED TO CONFORM

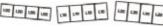
All Clark-Drain linear channel products meet the new Construction Product Regulations that came into affect on the 1st July, 2013 and are CE marked to comply with EU legislation. All Clark-Drain polymer concrete channels are manufactured with sealing grooves.

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.

TYPES OF SLOPE OPTIONS:





Constant channels (natural fall)



400 Series CD 401 Garage Pack

FEATURES INCLUDE:

- Competitively priced
- Robust and easy to install
- Male and female slide-lock connection mechanism securely locking each length together
- Self-locking gratings
- Lockable at four points per metre using security screws
- Outlets can be connected to both the underside and the end of the channel



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
- I x pair of CD 402 End Caps
- I x CD 403 Debris Trap
- I x installation instructions



400 Series

Polypropylene Shallow Channel Class A15

FEATURES INCLUDE:

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

Polypropylene Block Slot

CD 410
dging) (Available in packs of 144)
on

Patios

Gardens

Play areas

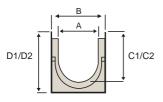
■ Driveways (B125 Block Slot)

FEATURES INCLUDE:

Drainage Class B125

 B125 load rating classification when installed in block paved areas and C250 when installed in concrete

■ Waterway area: 94cm² (per meter)



| | The state of |
|----------------------------|--------------|
| CD 430 | |
| (Available in packs of 80) | |
| | |

| 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 (cm²) | Max through flow I/s | End Cap |
|--------------|----------------|-----------------------------|-----------------------------|-------------------------------------|-------------------------------------|--------------------------------------|----------------------------|---------|
| CD 410 | 1000 | 96 | 148 | 75/75 | 92/92 | 43 | 2.2 | 412 |
| CD 430 | 1000 | 96* | 155 | 75/75 | *194 | 43 | - | 412 |

*Without slot unit. Upstand height is 80mm.



C1/C2

400 Series

Polypropylene Class A15



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 $422 = 272 \text{cm}^2 \text{ (per metre)}$

CD $425 = 29 \, \text{l cm}^2$ (per metre)

Available in packs of 64 or 96



APPLICATIONS:

■ Garage thresholds ■ Play areas

■ Patios ■ Domestic driveways

Gardens

ADDITIONAL SECURITY (OPTIONAL):

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

DUAL PURPOSE END CAPS:

■ Male and female plain end cap/end cap outlet







CD 406 QUAD CORNER:

Easy to connect with CD 422 channel



D1/D2

| Length Code (mm) (mm) A (mm) B CI/C2 | Depth (mm) D1/D2 | Max through flow I/s | Quad Corner | End Cap | Debris Trap |
|--------------------------------------|------------------------|----------------------------|----------------|------------|----------------|
| CD 422 1000 100 128 105 | 117 / 117 | 4.3 | CD 406 | CD 402 | CD 403 |
| CD 425 1000 100 128 105 | 117 / 117 | 4.5 | n/a | CD 402 | CD 403 |

LINEAR DRAINAGE

400 Series

Polypropylene Class B125/C250





CD 434

Class B125

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 complete with nylon grating (137cm² waterway area/Provision for locking screws)



APPLICATIONS:

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

SILT BOX

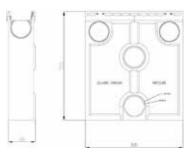
Product

Code

CD 434

CD 437





| CD 4 | 38 | | | | | 10 | 18 | - |
|-----------|-----------------------------|-----------------------------|------------------------------------|------------------------------------|--------------------------------------|-----|------------|----------------|
| gth n) | Internal Width (mm) A | External Width (mm) B | Internal Depth (mm) CI/C2 | External Depth (mm) DI/D2 | Internal Channel Area (cm²) | | End Cap | Debris Trap |
| 00 | 100 | 128 | 105/105 | 117/117 | 70 | 4.6 | CD 402 | CD 403 |

101

158/158



Leng

(mn

100

1000

100

147

128/128

CD 402

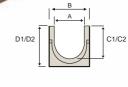
CD 403

Class A15

Polymer Concrete Channel Galvanised Steel Slotted Grating

CD CS10.10

- Channnel manufactured from hard wearing polymer concrete
- Complete with galvanised steel overlay grating
- Grating slot Size: 10mm x 85mm
- Male/Female connections
- MIMIMINITY ■ 110mm diameter outlet for easy connection to underground pipes and fittings
- Grating Waterway Area = 250 cm² (per meter)



CD CS10.12

- Polymer concrete Silt-Box complete with galvanised steel slotted grating and basket
- Length: 500mm Overall Depth: 300mm

CD CS10.30

Outlet end cap complete with Spigot



CD CS10.31

MINIMIN

■ Plain end cap



| 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 (cm²) | Max through flow I/s |
|--------------|----------------|-----------------------------|-----------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------|
| CD CS10.10 | 1000 | 100 | 120 | 65/65 | 75/75 | 42 | 1.8 |

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Class C250 – D400 Polymer Concrete Linear Drainage

FEATURES INCLUDE:

- Channel manufactured from hard-wearing polymer concrete with galvanised steel or stainless steel edge rail and complete with various grating options
- Shallow options channel available in 60mm and 80mm overall heights
- 100/150/200/300 widths available
- Pre-sloped systems (providing 0.6% fall) and level fall systems available



APPLICATIONS:

- Building entrances
- Service stations (non HGV for C250)
- Car parks

- Pedestrian precincts
- Kerbside drainage
- Slow moving light commercial vehicles

FOR OUR FULL RANGE PLEASE REFER TO OUR LINEAR DRAINAGE CATALOGUE.

CLASS C250

| Product Code | Description | Silt Box Product Code |
|----------------|---|--------------------------|
| CD C10-L00S-09 | 100mm wide constant depth channel c/w stainless steel slotted grating | CD C10-SBS-10 |
| CD C10-L00S-52 | 100mm wide constant depth channel c/w stainless steel perforated grating | CD C10-SBS-53 |
| CD C10-L00G-03 | 100mm wide constant depth channel c/w galvanised steel slotted grating | CD C10-SBG-04 |
| CD C10-L00G-20 | 100mm wide constant depth channel c/w ductile iron slotted grating | CD C10-SBG-20 |
| CD C10-L00G-26 | 100mm wide constant depth channel c/w ductile iron narrow slotted grating | CD C10-SBG-26 |

CLASS D400

| Product Code | Description | Silt Box Product Code |
|----------------|---|--------------------------|
| CD D10-L00G-21 | 100mm wide constant depth channel c/w ductile iron slotted grating | CD D10-SBG-21 |
| CD D10-L00G-27 | 100mm wide constant depth channel c/w ductile iron narrow slotted grating | CD D10-SBG-27 |



Class C250 - D400 Grating Options







Stainless Steel Slotted Class C250



Stainless Steel Perforated Class C250



Galvanised Steel Slotted Class C250



Ductile Iron Slotted Class C250



Ductile Iron Narrow Slotted Class C250



Ductile Iron Slotted Class D400



Ductile Iron Narrow Slotted Class D400

100MM INTERNAL WIDTH CHANNELS CLASS C250

| Product Code Complete with Channel | Material | Description | Overall Width (mm) | Grating Length (mm) |
|------------------------------------|------------------|----------------|--------------------|------------------------|
| CD C10-L00S-09 | Stainless Steel | Slotted | 123 | 1000 |
| CD C10-L00S-52 | Stainless Steel | Perforated | 123 | 1000 |
| CD C10-L00G-03 | Galvanised Steel | Slotted | 123 | 1000 |
| CD C10-L00G-20 | Ductile Iron | Slotted | 125 | 500* |
| CD C10-L00G-26 | Ductile Iron | Narrow Slotted | 125 | 500* |

100MM INTERNAL WIDTH CHANNELS CLASS D400

| Product Code Complete with Channel | Material | Description | Overall Width (mm) | Grating Length (mm) |
|------------------------------------|--------------|----------------|--------------------|------------------------|
| CD D10-L00G-21 | Ductile Iron | Slotted | 125 | 500* |
| CD D10-L00G-27 | Ductile Iron | Narrow Slotted | 125 | 500* |

*Metre length channel supplied complete with two gratings

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Class E600 – F900 Polymer Concrete Linear drainage

- Channel manufactured from hard-wearing polymer concrete with ductile iron reinforced edge rail and complete with various grating options
- Gratings are locked by our unique boltless 'CatchLock' system for ease of access
- Interconnecting end details aid alignment during installation and reduce in-situ movement under loading
- 100/150/200/300 mm widths available
- Pre-sloped systems (providing 0.6% fall) and level fall systems available



APPLICATION

- Industrial areas
- HGV
- Heavy wheel loads
- Factories
- Forklift areas
- Warehouses
- Service station

FOR OUR FULL RANGE PLEASE REFER TO OUR LINEAR DRAINAGE CATALOGUE.

CLASS E600

| Product Code | Description | Silt Box Product Code |
|----------------|---|--------------------------|
| CD E10-L00C-22 | 100mm wide constant depth channel complete with ductile iron slotted grating | CD E10-SBC-22 |
| CD E10-L00-28 | 100mm wide constant depth channel complete with ductile iron narrow slotted grating | CD E10-SBC-28 |

CLASS F900

| Product Code | Description | Silt Box Product Code |
|---------------|---|--------------------------|
| CD F10-L00-63 | 100mm wide constant depth channel complete with ductile iron slotted grating | CD F10-SBC-63 |
| CD F10-L00-69 | 100mm wide constant depth channel complete with ductile iron narrow slotted grating | CD F10-SBC-69 |



Class E600 – F900 Grating Options







Ductile Iron Narrow Slotted Class E600



Ductile Iron Narrow Slotted Class E600



Ductile Iron Slotted Class F900



Ductile Iron Narrow Slotted Class F900

100MM INTERNAL WIDTH CHANNELS CLASS E600

| Product Code Complete with Channel | Material | Description | Overall Width (mm) | Grating Length (mm) |
|---------------------------------------|--------------|----------------|--------------------|------------------------|
| CD E10-L00C-22 | Ductile Iron | Slotted | 125 | 500* |
| CD E10-L00C-28 | Ductile Iron | Narrow Slotted | 125 | 500* |

100MM INTERNAL WIDTH CHANNELS CLASS F900

| Product Code Complete with Channel | Material | Description | Overall Width (mm) | Grating Length (mm) |
|---------------------------------------|--------------|----------------|--------------------|------------------------|
| CD F10-L00C-63 | Ductile Iron | Slotted | 125 | 500* |
| CD F10-L00C-69 | Ductile Iron | Narrow Slotted | 125 | 500* |

*Metre length channel supplied complete with two gratings

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Load Class Descriptions

Cast Iron Covers

The appropriate class of manhole cover or gully grate required depends on the place of installation. The various places of installation have been divided into groups numbered 1 to 6.

The diagram below shows the location of some of these groups in a highway environment. A guide as to which class of manhole top or gully top should be used is shown in parenthesis for each group.

The selection of the appropriate class is the responsibility of the designer. Where there is any doubt the stronger class should be selected.



GROUP I (MIN CLASS A15)

Areas which can only be used by pedestrians and pedal cyclists.

GROUP 2 (MIN CLASS B125)

Recommended for use in footways, pedestrian areas and driveways.

GROUP 3 (MIN CLASS C250)

For gully tops installed in the area of kerbside channels of roads (see diagram above) which when measured from the kerb edge extend a maximum of 0.5m into the carriageway and a maximum of 0.2m into the footway.

GROUP 4 (MIN CLASS D400)

Carriageway of roads (including pedestrian streets), hard shoulders (see diagram above) and parking areas for all types of road vehicles.

GROUP 5 (MIN CLASS E600)

Areas imposing high wheel loads eg. docks.

GROUP 6 (MIN CLASS F900)

Areas imposing particularly high wheel loads eg. aircraft pavements.

FOR OUR FULL RANGE OF CAST IRON COVERS AND SIZES, PLEASE REFER TO OUR CASTINGS CATALOGUE.

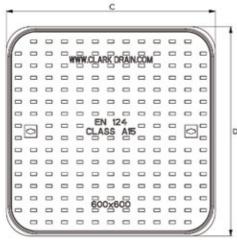


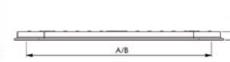
Light Duty 15kN

Solid Top Covers and Frames

- Pedestrian duty solid top manhole covers and frames rated to 15kN
- Manufactured in grey iron
- Black bitumen coated
- Closed keyways







| Product Code | Kitemark | Loading Class | Clear Opening Size (mm) A/B | Overall Size (mm) C/D | Depth (mm) E | W eight (kg) |
|--------------|----------|------------------|-----------------------------------|--------------------------|--------------------|------------------------|
| CD 62 | n/a | 15kN | 600 × 450 | 678 × 528 | 27 | 22 |
| CD 12 | n/a | I5kN | 600 × 600 | 678 x 678 | 27 | 28 |

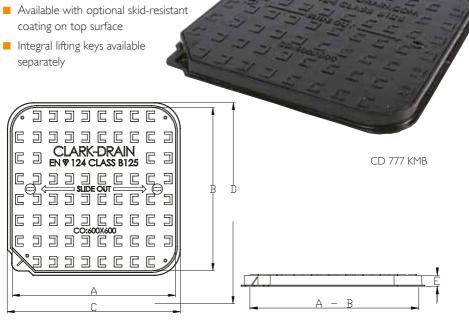
LINEAR DRAINAGE

BS EN 124 Class B125 Solid Top Cover and Frame



FEATURES INCLUDE:

- Durable ductile iron cover and frame
- Kitemark certified
- Closed keyways
- Black bitumen coated
- One piece solid top
- separately



| Product Code | Kitemark | Loading Class | Clear Opening Size (mm) A/B | Overall Size (mm) C/D | Depth (mm) E | Weight (kg) |
|----------------|----------|------------------|-----------------------------------|--------------------------|--------------------|----------------|
| CD 1657 KMB | ✓ | B125 | 450 dia | 550 dia | 40 | 16.5 |
| CD 761 KMB | ✓ | B125 | 450 × 450 | 510 x 510 | 40 | 20 |
| CD 761SR KMB+R | ✓ | B125 | 450 × 450 | 507 × 507 | 30 | 22 |
| CD 762 KMB | ✓ | B125 | 600 × 450 | 662 x 512 | 40 | 26 |
| CD 777 KMB | ✓ | B125 | 600 × 600 | 663 x 663 | 40 | 34 |
| CD 722 KMB | ✓ | B125 | 750 × 600 | 820 × 668 | 40 | 50 |
| CD 752 KMB | ✓ | B125 | 900 × 600 | 990 x 690 | 45 | 58 |

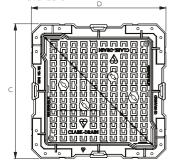
Slide out capability



EN 124 Class D400 Solid Top Covers and Frames

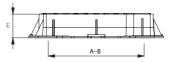


- Heavy duty double triangular manhole cover and frame to BS EN 124
- Manufactured in ductile iron
- Black bitumen coated
- HA104/09 compliant
- Non-rock design
- Closed keyways
- Kitemark certified
- Optional SW or FW badging available





CD 901AH KMD



HA104/09 (LOW RISK AREAS) COMPLIANT

| Product Code | Kitemark | Loading Class | Clear Opening Size (mm) A/B | Overall Size (mm) C/D | Depth (mm) E | W eight (kg) |
|---------------|----------|------------------|-----------------------------------|--------------------------|--------------------|------------------------|
| CD 701H KMD | ✓ | D400 | 600 × 600 | 746 x 746 | 100 | 62 |
| CD 701AH KMD | ✓ | D400 | 600 × 600 | 768 x 768 | 150 | 74 |
| CD 1659H KMD | ✓ | D400 | 675 × 675 | 813 x 813 | 100 | 74 |
| CD 1659AH KMD | ✓ | D400 | 675 × 675 | 815 x 815 | 150 | 88 |
| CD 693H KMD | ✓ | D400 | 1200 x 675 | 1345 x 820 | 100 | 145 |
| CD 693AH KMD | √ | D400 | 1200 × 675 | 1374 × 850 | 150 | 160 |

HA104/09 (HIGH RISK AREAS) COMPLIANT

| Kitemark | Clear Opening (mm) A/B | Overall Size (mm) C/D | Depth (mm) E | Weight (Kg) |
|----------|---------------------------|---|--|---|
| ✓ | 750 × 750 | 900 × 900 | 150 | 115 |
| ✓ | 600 × 600* | 847 × 847 | 100 | 104 |
| ✓ | 600 × 600* | 851 x 851 | 150 | 115 |
| ✓ | 675 × 675 | 915 x 915 | 100 | 125 |
| ✓ | 675 × 675 | 925 × 925 | 150 | 137 |
| | Kitemark / / / / / / / | Kitemark (mm) A/B ✓ 750 x 750 ✓ 600 x 600* ✓ 600 x 600* ✓ 675 x 675 | Kitemark (mm) A/B (mm) C/D ✓ 750 x 750 900 x 900 ✓ 600 x 600* 847 x 847 ✓ 600 x 600* 851 x 851 ✓ 675 x 675 915 x 915 | Kitemark (mm) A/B (mm) C/D Depth (mm) E ✓ 750 x 750 900 x 900 150 ✓ 600 x 600* 847 x 847 100 ✓ 600 x 600* 851 x 851 150 ✓ 675 x 675 915 x 915 100 |

^ Closed keyway only. Optional extras: badging, locking, safety grills, security plates * Will accommodate imperial 24"x24" pit size

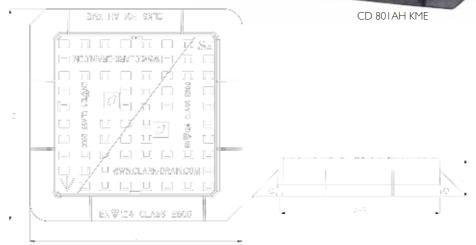
EN 124 Class E600 Double Tri Covers and Frames



 Heavy duty double triangular manhole cover and frame to BS EN 124

- Manufactured in ductile iron
- Black bitumen coated
- Non-rock design
- Closed keyways
- Kitemark certified





PRODUCTS BELOW ARE HAI04/09 (LOW AND HIGH RISK AREAS) COMPLIANT

| Product Code | Kitemark | Loading Class | Clear Opening Size (mm) A/B | Overall Size (mm) C/D | Depth (mm) E | Weight (kg) |
|--------------|----------|------------------|-----------------------------------|--------------------------|--------------------|----------------|
| CD 801AH KME | ✓ | E600 | 600 × 600 | 813 x 813 | 150 | 102 |
| CD 802AH KME | ✓ | E600 | 675 × 675 | 875 × 875 | 150 | 110 |
| CD 808AH KME | ✓ | E600 | 1200 x 675 | 1365 x 835 | 150 | 200 |



EN 124 Class F900

Double Tri Covers and Frames



- Heavy duty double triangular manhole cover and frame to BS EN 124
- Manufactured in ductile iron
- Black bitumen coated
- Non-rock design
- Closed keyways
- Kitemark certified





PRODUCTS BELOW ARE HA104/09 (LOW AND HIGH RISK AREAS) COMPLIANT

| Product Code | Kitemark | Loading Class | Clear Opening Size (mm) A/B | Overall Size (mm) C/D | Depth (mm) E | W eight (kg) |
|--------------|----------|------------------|-----------------------------------|--------------------------|--------------------|------------------------|
| CD 801AH KMF | ✓ | F900 | 600 × 600 | 906 x 906 | 150 | 145 |
| CD 802AH KMF | ✓ | F900 | 675 × 675 | 952 x 952 | 150 | 172 |
| CD 807AH KMF | ✓ | F900 | 750 × 750 | 1013 x 1013 | 150 | 200 |

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EN 124 EN 124 EN 124 B125 C250 D400



DOUBLE TRIANGULAR

| Product Code | Kitemark | Loading Class | Clear Opening Size (mm) | Overall Size (mm) | Depth (mm) | Weight (kg) |
|--------------|----------|------------------|-------------------------------|----------------------|---------------|----------------|
| CD 644 KMD | ✓ | D400 | 415 x 415 | 570 x 505 | 100 | 32 |

CAPTIVE HINGED

| Product Code | K itemark | Loading Class | Clear Opening Size (mm) | Overall Size (mm) | Depth (mm) | Weight (kg) |
|--------------|------------------|------------------|-------------------------------|----------------------|---------------|----------------|
| CD 58 DDI | ✓ | 125 kN | 302 × 302 | 350 x 333 | 50 | 8 |
| CD 172 KMB | ✓ | B125 | 280 diam | 450 x 410 | 76 | 22 |
| CD 60 DDIKMC | ✓ | C250 | 302 × 302 | 400 x 362 | 75 | 13 |
| CD 128 KMC | ✓ | C250 | 336 × 308 | 393 x 480 | 75 | 17 |
| CD 178 KMD | ✓ | D400 | 385 x 317 | 520 x 402 | 100 | 22 |
| CD 180 KMD | ✓ | D400 | 430 × 370 | 570 x 459 | 100 | 30 |
| CD 184S KMD | ✓ | D400 | 425 x 425 | 580 x 521 | 100 | 34 |
| CD 185 KMD* | ✓ | D400 | 452 x 452 | 592 × 538 | 100 | 37 |
| CD 231 KMD* | ✓ | D400 | 430 × 370 | 580 × 462 | 100 | 32 |

*Mesh grating **Reversible Hinge HA109/09 compliant



Miscellaneous Items



| Product Code | Decription |
|--------------|---|
| CD 552 | Pair of heavy duty cast iron lifting keys |
| CD 552L | Pair of long handle lifting keys |
| CD 553 | Pair of light duty cast iron lifting keys |
| CD 553L | 600mm length light to medium duty lifting keys |
| CD 556 | Pair of light duty polypropylene lifting keys |
| CD 776 | Pair of recessed polypropylene lifting keys |
| CD 212 | Galvanised step iron 115mm Length – Boxes of 20 |
| CD 213 | Galvanised step iron 225mm Length – Boxes of 15 |
| CD 880 | 140 x 115 x 75 Locking Polypropylene stop tap box |
| CD 850 | 140 x 115 x 75 Locking Cast stop tap box |

Engineered Steel Access Covers and Frames

Our fabrication facility employs the very latest in CNC and robotic manufacturing methods to ensure the lowest production costs and accurate workmanship. Our products are assessed for behavioural characteristics when subject to their intended loading scenario. We employ the latest in FEA (Finite Element Analysis) and draughting software to ensure optimum design and accuracy.

Pumping Station



Biomass



Security



Utility



Precinct



Transport



Clark-Drain offers in-house galvanising and powder coating services





Facta Loadings

FACTA GUIDE TO PERFORMANCE CLASSES FOR FABRICATED ACCESS COVERS

| | GPW | WHEEL | LOADS | LOAD TE | ST DATA | INSTALLATION GUIDE | | | |
|-------|---------------------|---------------------|-----------------------|---|---|--|--|--|--|
| Class | Slow Moving | Pneumatic Tyres | Solid Tyres | Acceptance Test (static wheel load + overload & dynamic effects) | Strength Test (Accept- ance Test load ± ultimate safety factor) | Installation Areas | | | |
| Α | Pedestrian duty | - | - | 5x1x1 = 5kN | 5×1.6 = 8kN | Areas which can only be used by pedestrians and pedal cyclists | | | |
| AA | 5 tonne | 1.5 tonne (15kN) | - | 1.5x1.1x1.15 = 19kN | 19x1.6 = 31kN | Areas where small trolleys and private cars traffic, e.g. domestic driveways, trolley parks. | | | |
| AAA | 7.5 and 10 tonne | 2.5 tonne (25kN) | 0.5 tonne (5kN) | 25x1.1x1.15 = 32kN | 32×1.6 = 52kN | Restricted access delivery or service areas. | | | |
| В | 16, 20, 25 tonne | 5 tonne (50kN) | 0.75 tonne (7.5kN) | 50x1.1x1.15 = 63.25kN | 63.25×1.6 = 101kN | Pedestrian precincts, light commercial delivery and parking areas. | | | |
| С | Up to 38 tonne | 6.5 tonne (65kN) | I tonne (10kN) | 65x1.1x1.15 or 50x1.1x1.15 = 82.25kN | 82.25×1.6 = 132kN | Factories, industrial plants, commercial delivery or parking areas. | | | |
| D | Up to 44 tonne | tonne (108kN) | 3 tonne (30kN) | 108x1.1x1.15 or 50x1.1x1.15 = 137.5kN | 137.5×1.6 = 220kN | Delivery areas and service roads where HGVs can reach speeds of 20mph max | | | |
| E | Special | 16 tonne (158kN) | 5 tonne (50kN) | 158×1.1×1.15 = 200kN | 200×1.6 = 320kN | Areas imposing high wheel loads. Dockside and container areas. | | | |
| F | Special | 24 tonne (237kN) | - | 237x1.1x1.15 = 300kN | 300×1.6 = 480kN | Areas imposing heavy wheel loads. Aircraft pavements where towing vehicles operate. | | | |

Precinct Series

The development of the Precinct series follows a research and development programme undertaken in partnership with Transport for London (TfL) to design and manufacture a new lift and slide out recessed pavior cover to meet their need for better theft prevention, health and safety and installation performance in precinct areas.

Reduced infill movement

Fixed grouting mesh bonds with a variety of infill materials to reduce in situ movement and time and cost associated with work to fix or replace broken slabs.

Greater flexibility

70mm and 100mm tray depth options provide greater design flexibility and saves installation time by removing the need for excessive stonecutting.

Easy to access

Removable slide out channel support and covers are easy to handle with a lifting key as a one person operation reducing the risk of workplace injury.

Safer public

Traditional locking pin designs can bend and become damaged on busy precincts making it difficult to unlock. The high traffic tolerance cap avoids this problem and reduces incidences of heels getting caught in exposed holes.

Increased strength

The robust 6mm thick galvanised steel construction offers greater loading resistance exceeding the BS EN 124 B125 class.

Ease of installation

Solid flange improves interaction with the bedding material for a stable installation.

Better security

New, unique turn catch lock system is below surface area and offers quick, easy, secure access to the chamber. Operators no longer have to drill out worn, corroded screws each time they need access saving maintenance time and cost.

Unique lifting eye and removable cap

Keyholes can be badged, e.g. TfL, CATV, ELEC, CCTV, etc.

The Clark-drain precinct series is available in the following sizes:

| Code | Clear Opening | Tray Depth | Overall Size | Overall Depth | Tray Qty | Code | Clear Opening | Tray Depth | Overall Size | Overall Depth | Tray Qty |
|-------------|------------------|---------------|-----------------|------------------|-------------|----------|------------------|---------------|-----------------|------------------|-------------|
| CD PR01 | 450 x 450 | 70 | 630 × 630 | 82 | 1. | CD PR010 | 900 x 600 | 100 | 780 x 1080 | 112 | 3 |
| CD PR02 | 600 x 450 | 70 | 630 x 780 | 82 | - 1 | CD PR011 | 915 x 445 | 70 | 625 x 1095 | 82 | 3 |
| CD PR02/2PT | 600 x 450 | 70 | 630 x 780 | 82 | 2 | CD PR012 | 960 x 610 | 70 | 790 x 1140 | 82 | 3 |
| CD PR03 | 600 x 450 | 100 | 630 x 780 | 112 | 1. | CD PR013 | 1200 x 600 | 70 | 780 x 1380 | 82 | 4 |
| C DPR04 | 600 × 600 | 70 | 780 x 780 | 82 | 2 | CD PR014 | 1200 × 600 | 100 | 780 x 1380 | 112 | 4 |
| CD PR05 | 600 × 600 | 100 | 780 x 780 | 112 | 2 | CD PR016 | 1310 x 610 | 70 | 790 x 1490 | 82 | 4 |
| CD PR06 | 610 X 610 | 70 | 790 x 790 | 82 | 2 | CD PR017 | 1690 x 710 | 70 | 890 x 1870 | 82 | 5 |
| CD PR07 | 752 X 255 | 70 | 435 x 905 | 82 | 1. | CD PR018 | 2285 x 710 | 70 | 890 x 2465 | 82 | 6 |
| CD PR08 | 750 X 600 | 70 | 780 x 930 | 82 | 2 | | | | | | |
| CD PR09 | 900 X 600 | 70 | 780 x 1080 | 82 | 3 | | | | | | |



Underground Fixtures and Fittings

THE CD U1150 - UNIVERSAL BOTTLE GULLY

Bottle Gullies are designed to hold water to prevent unwanted odours from escaping the drainage system and are used in conjunction with domestic waste water or surface water systems.

The CD U1150 polypropylene Bottle Gully comes complete with a rectangular top section for ease of installation which is also removable to allow 160mm diameter pipe to be inserted to raise the top of the gully to suit whatever depth is required.

The CD UII50 also comes with a sealed inlet (with bung) and outlet to allow it to be used as a standard Bottle Gully or a back inlet gully. The top section fits into the sealed base unit by way of the push fit connection, allowing full rotation to suit surrounding area or paving direction.

For ease of installation, the grating has cutting guidelines to follow when making downpipe entries.

FEATURES

- Rectangular top for ease of installation
- Dual purpose inlet and outlet to allow products to be used as back inlet as well as standard
- Ability to turn top to suit surface conditions and paving
- Adjustable height option
- Cutting guidelines in grating for downpipes
- Sealed, push fit connections

For our full range of underground fittings please contact our sales office on 01733 765 317.













SALES@CLARK-DRAIN.COM

WWW.CLARK-DRAIN.COM

CD U1150



CALL +44 1733 765317

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LOCAL STOCKIST

CATO02S

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