



Place of installation and Loadings

“The selection of the appropriate class is the responsibility of the designer. Where in doubt the stronger class should be selected” Clause 5 BS EN 124

Figure 1

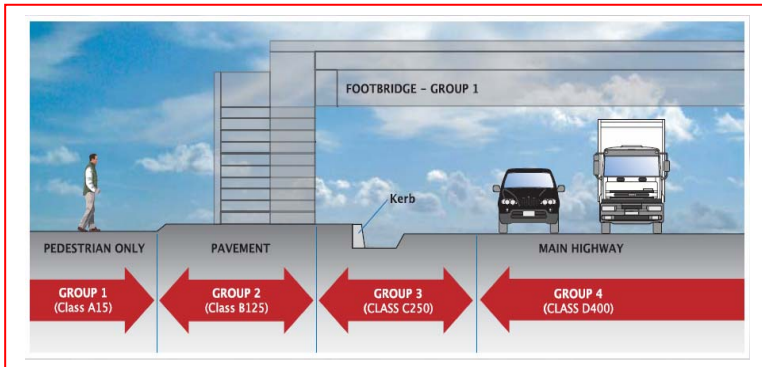
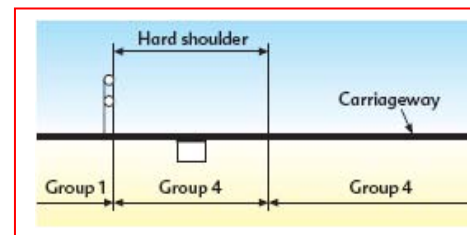


Figure 2



Group 1 (min .Class A15)

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

Group 2 (min .Class B125)

Footways, pedestrian areas and comparable areas, car parks or car parking

Group 3 (min .Class C250)

For gully tops installed in the area of kerbside channels of roads (figure 1) which when measured from the kerb edge, extend a maximum of 0.5 m into the carriageway and a maximum of 0.2 m into the footway.

Group 4 (min .Class D400)

Carraigeway roads (including pedestrian streets), hard shoulders (figure 1 and 2) and parking areas for all types of road vehicles.

Group 5 (min .Class E600)

Areas imposing high wheel loads eg. Docks and aircraft pavements.

Group 6 (min .Class F600)

Area imposing particularly high wheel loads, eg aircraft pavements.





Double Triangular

Covers comprising of two triangular elements for the purpose of providing stable seating under load and convenience of lighter weight due to slip cover configuration

Clear Opening

The nominal unobstructed access opening in a frame, neglecting minor intrusions such as the corner seatings of some rectangular frames.

Watertight

Proof against the passage of surface water of a minimal depth and at atmospheric pressure.

Pressure Tight

Proof against the escape of fluids/gases at a specified pressure.

Recessed Cover

Cover recessed to accept the insertion of chosen material usually to match the surrounding area.

Ventilated

Cover and/ or frame provided with opening to allow free circulation of air within the chamber.

Safety Grid

A fabricated steel grid housed under a cover when installed to hold an accidentally dropped cover.

Sealing Plate

Galvanised steel or GRP located under the cover to provide additional protection against the sand/silt etc.

Prising Slot

Recesses to receive a prising bar for the purpose of loosening a cover prior to lifting

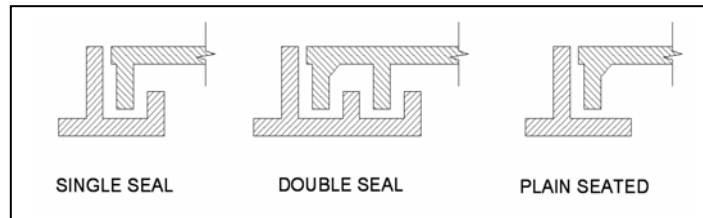
Frame Bearing Area

The surface of the underside of the frame which rests upon the supporting structure.

Nominal Bearing Pressure

The bearing pressure calculated by dividing the test load (BS EN 124) by the Frame Bearing Area

Seatings



Single Seal

Vertical relationship between a cover edge and frame with the bottom sitting in the seal as shown in detail

Double seal

Duplicate vertical relationship between a cover edge and frame with the bottom sitting in the seal as shown in detail

Plain Seated

Not sealed, but jointed contact between a cover edge and frame

Keyholes

Closed keyholes prevent ingress of water and debris and escape of odours, open keyholes do not.

Locking

Either screwed down or fitted with a turn buckle system to deter unauthorised lifting.

Loosely coupled

Two halves of a double triangular cover are loosely coupled to prevent separation when lifting yet allow permitted deflection under traffic loads.

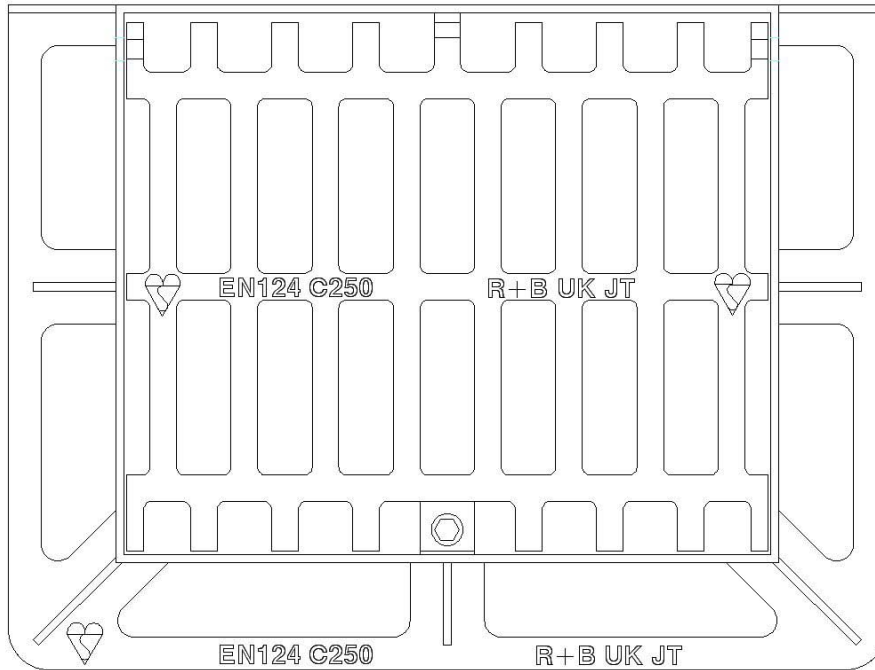
Seating

The bearing surface between the cover and frame.

Waterway

The drainage area of a gully grating in square centimetres.





FEATURES:

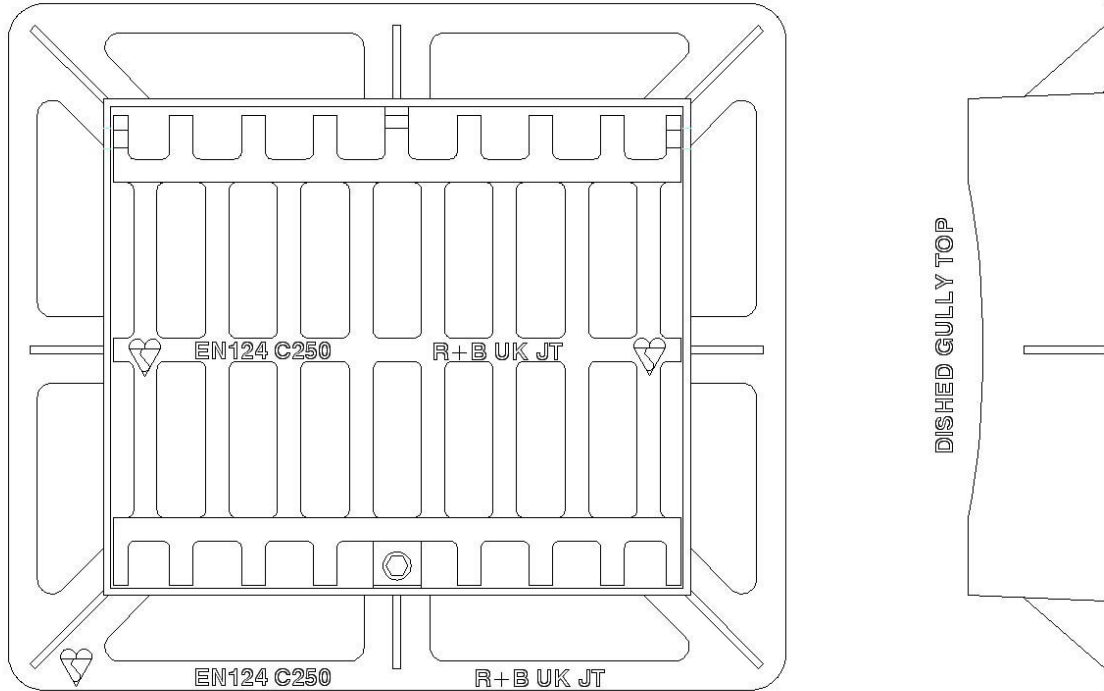
- BS EN124 Class D400**
- BS 7903 (1997) Compliant**
- Locking**
- Ductile Iron for lightweight and high strength**
- Black coated finish**

Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
CGD 14	Flat top	380 x 310	520 x 380	75
CGD 14/L	Flat top, Locked	380 x 310	520 x 380	75

EN124 Gully Gratings and Frames: C250, Group 3

C250 gully gratings and frames are designed for use in car parks, industrial or commercial areas carrying slow moving traffic. All C250 gully gratings and frames are certified to the requirements of BS EN124.





FEATURES:

- BS EN124 Class D400**
- BS 7903 (1997) Compliant**
- Locking**
- Ductile Iron for lightweight and high strength**
- Black coated finish**

Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
CGD 13	Cahir	390 x 325	530 x 468	100
CGD 13/L	Cahir, Locked	390 x 325	530 x 468	100

EN124 Gully Gratings and Frames: C250, Group 3

C250 gully gratings and frames are designed for use in car parks, industrial or commercial areas carrying slow moving traffic. All C250 gully gratings and frames are certified to the requirements of BS EN124.



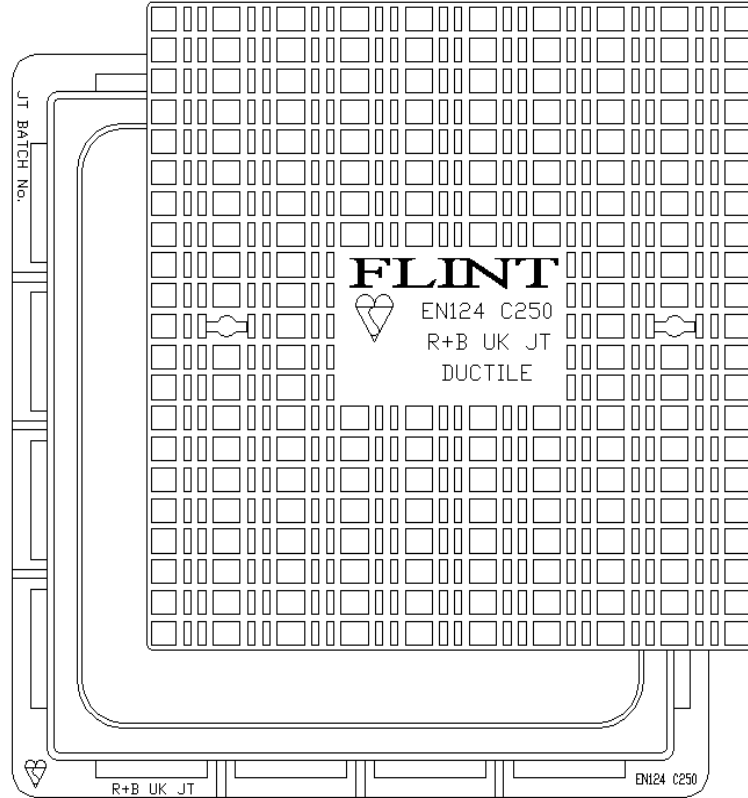


FEATURES:

- Single seal frame
- BS EN124 Class C250
- Ductile Iron for lightweight and high strength
- Black coated finish

OPTIONS:

- Badged SW or FW
- Locking
- Ventilated
- Safety Grid
- Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1011D	Flint	600 x 600	750 x 750	45

EN124 Access Covers and Frames: C250, Group 3

C250 access covers and frames are designed for use in car parks, industrial or commercial areas carrying slow moving traffic. All C250 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Single seal frame

BS EN124 Class B125

Ductile Iron for
lightweight and high
strength

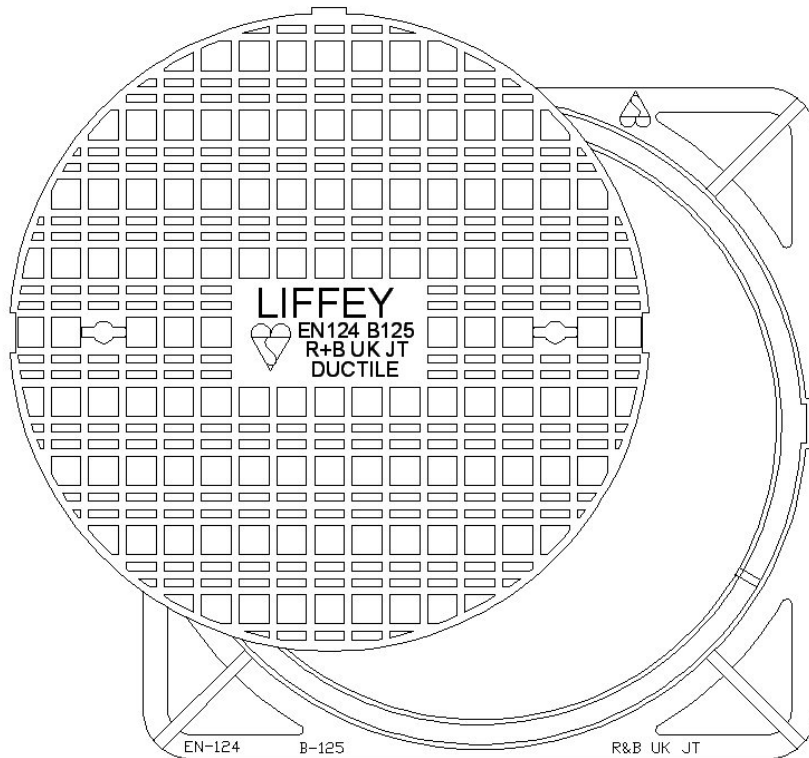
Black coated finish

OPTIONS:

Badged SW or FW

Locking

Ventilated



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1004D/SF	Liffey	600 Diameter	680 x 680	75

EN124 Access Covers and Frames: B125, Group 2

B125 access covers and frames are designed for use in pedestrian areas subject to occasional vehicular traffic or pavements where kerb mounting is common. All B125 manhole covers and frames are certified to the requirements of BS EN124.



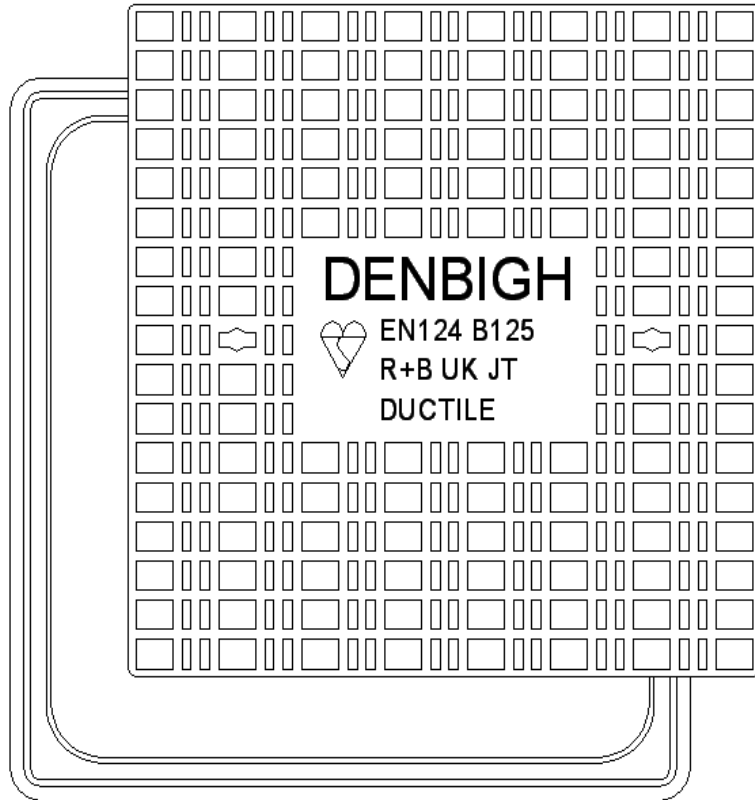


FEATURES:

- Single seal frame
- BS EN124 Class B125
- Ductile Iron for lightweight and high strength
- Black coated finish

OPTIONS:

- Badged SW or FW
- Locking
- Ventilated
- Safety Grid
- Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1014D	Denbigh	450 x 450	575 x 575	45

EN124 Access Covers and Frames: B125, Group 2

B125 access covers and frames are designed for use in pedestrian areas subject to occasional vehicular traffic or pavements where kerb mounting is in common. All B125 manhole covers and frames are certified to the requirements of BS EN124.



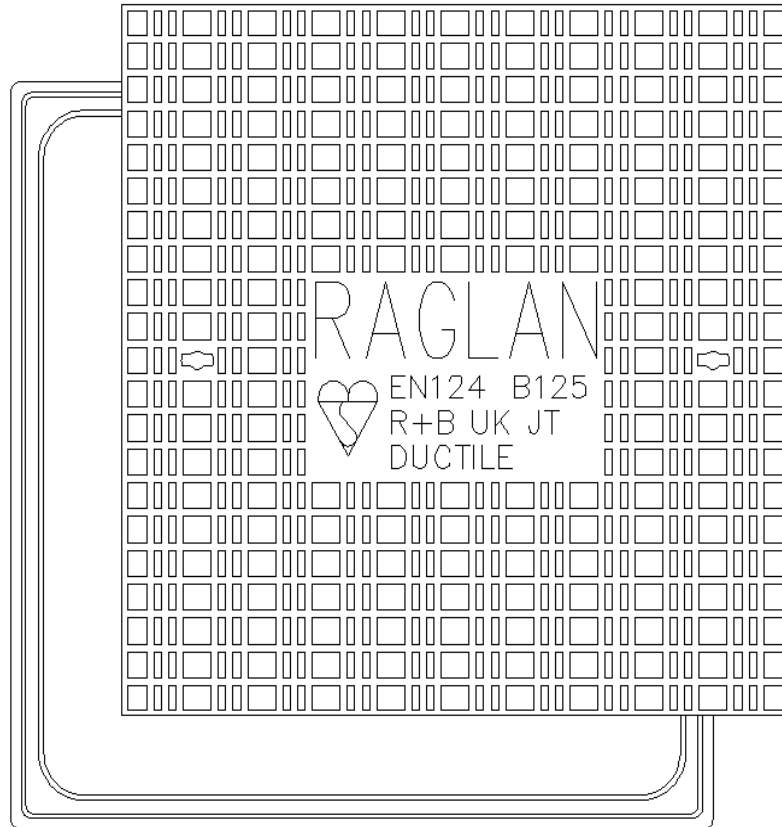


FEATURES:

- Single seal frame
- BS EN124 Class B125
- Ductile Iron for lightweight and high strength
- Black coated finish

OPTIONS:

- Badged SW or FW
- Locking
- Ventilated
- Safety Grid
- Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1005D75	Raglan	600 x 600	670 x 670	75

EN124 Access Covers and Frames: B125, Group 2

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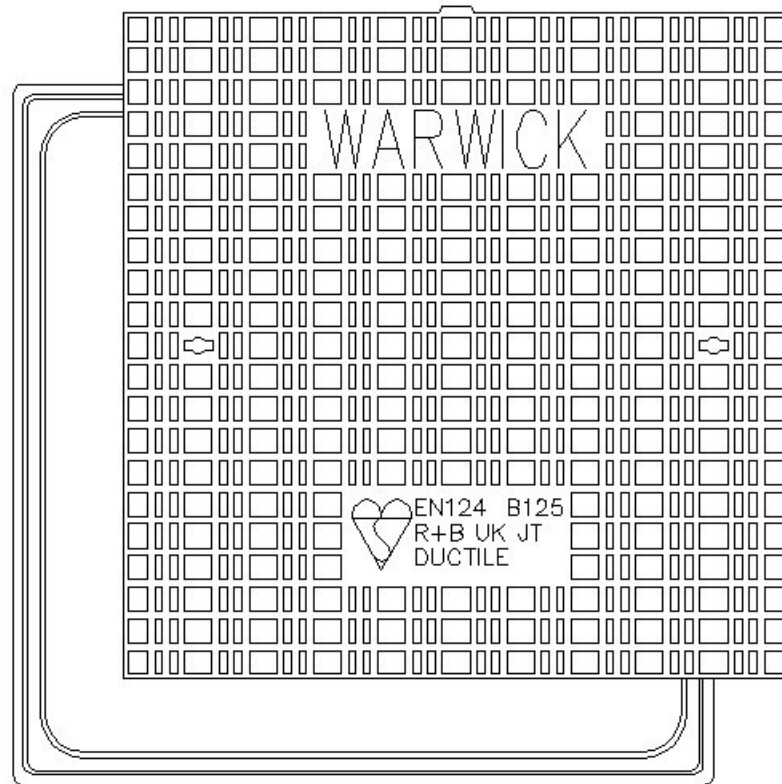


FEATURES:

- Single seal frame
- BS EN124 Class B125
- Ductile Iron for lightweight and high strength
- Black coated finish

OPTIONS:

- Badged SW or FW
- Locking
- Ventilated
- Safety Grid
- Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1015D	Warwick	900 x 900	1015 x 1015	75

EN124 Access Covers and Frames: B125, Group 2

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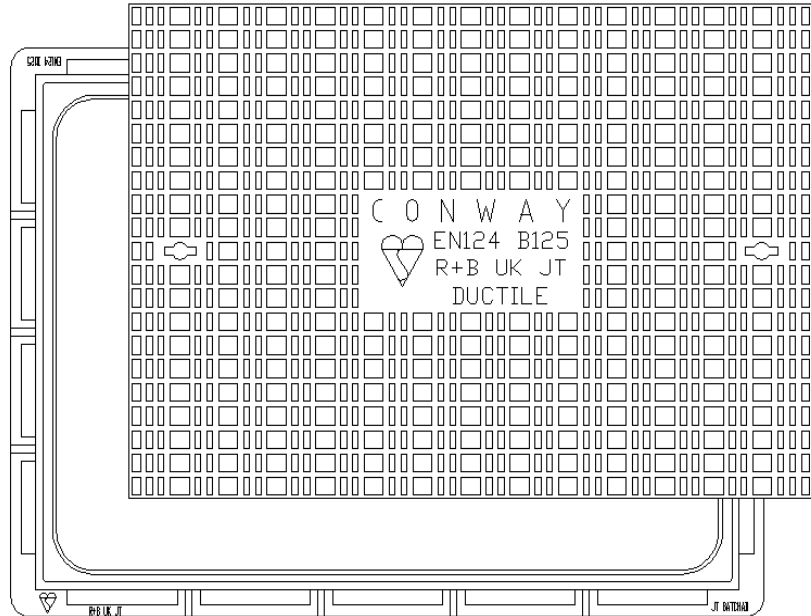


FEATURES:

- Single seal frame
- BS EN124 Class B125
- Ductile Iron for lightweight and high strength
- Black coated finish

OPTIONS:

- Badged SW or FW
- Locking
- Ventilated
- Safety Grid
- Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1008D/75	Conway	900 x 600	1024 x 724	75

EN124 Access Covers and Frames: B125, Group 2

B125 access covers and frames are designed for use in pedestrian areas subject to occasional vehicular traffic or pavements where kerb mounting is common. All B125 manhole covers and frames are certified to the requirements of BS EN124.



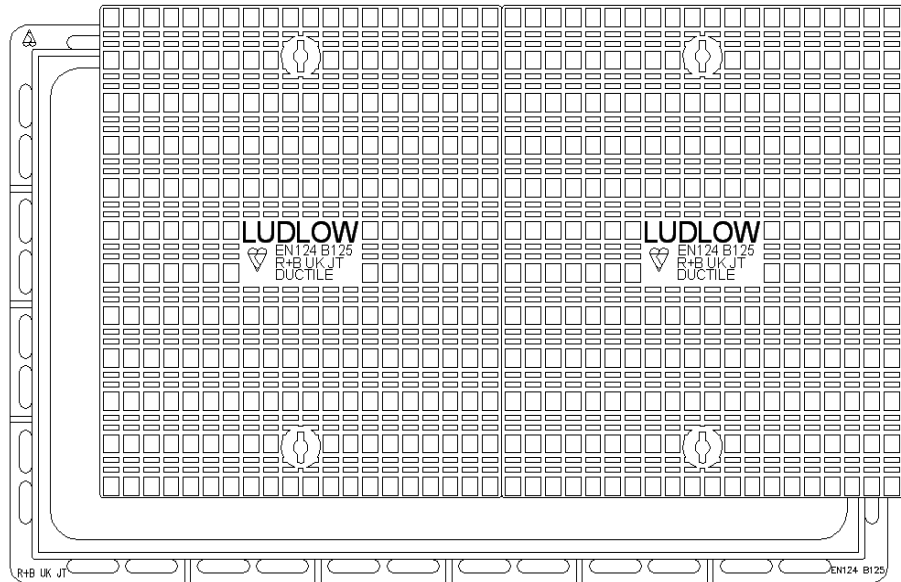


FEATURES:

- Plain seated frame
- BS EN124 Class B125
- Ductile Iron for lightweight and high strength
- Black coated finish

OPTIONS:

- Badged SW or FW
- Locking
- Ventilated
- Safety Grid
- Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1028D	Ludlow	1220 x 675	1345 x 800	50

EN124 Access Covers and Frames: B125, Group 2

B125 access covers and frames are designed for use in pedestrian areas subject to occasional vehicular traffic or pavements where kerb mounting is in common. All B125 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Reversible hinge

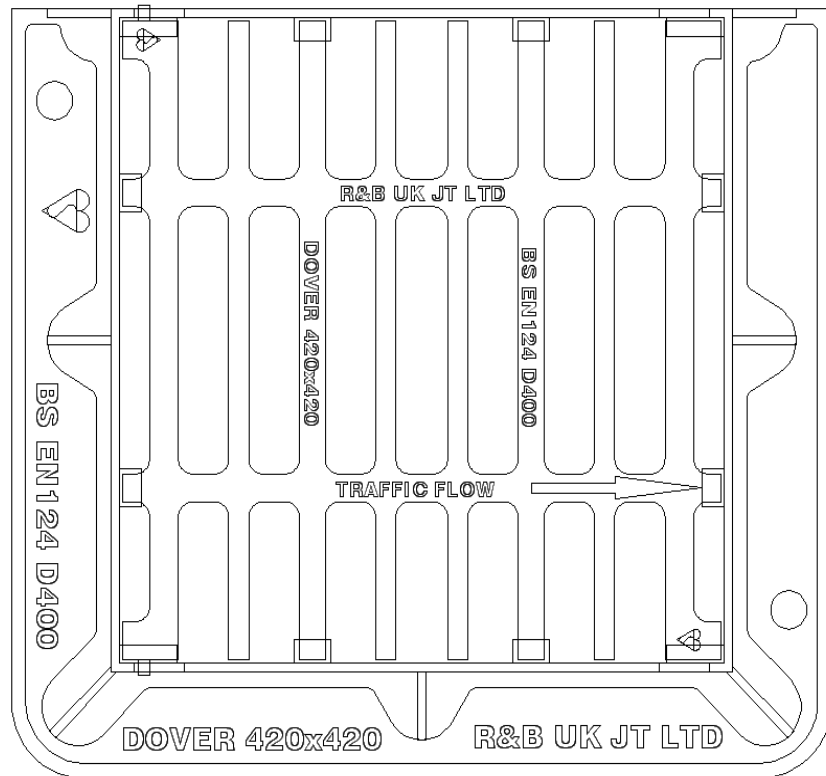
Locking option

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish



Code	Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)	Waterway
CGD24TF	Dover	420 x 420	570 x 500	100	1100cm sq (R)
CGD24TFL	Dover	420 x 420	570 x 500	100	1100cm sq (R)

(R):- Reversible design (L) Locking

EN124 Gully Gratings and Frames: D400, Group 4

D400 gully gratings and frames are designed for use in the kerbside of carriageways and estate roads including pedestrian streets. All D400 gully gratings and frames are certified to the requirements of BS EN124.





FEATURES:

Hinged and locking.

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

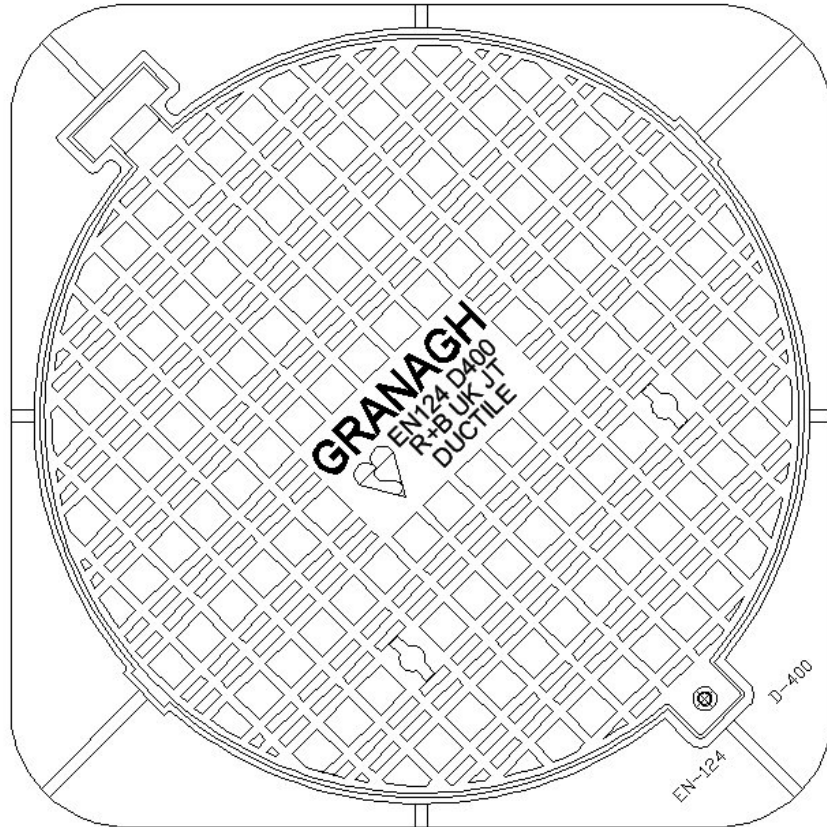
Black coated finish

OPTIONS:

Badged SW or FW

Locking

Ventilated



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1082/RC/SF	Granagh	600	700 x 700	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Hinged and locking.

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

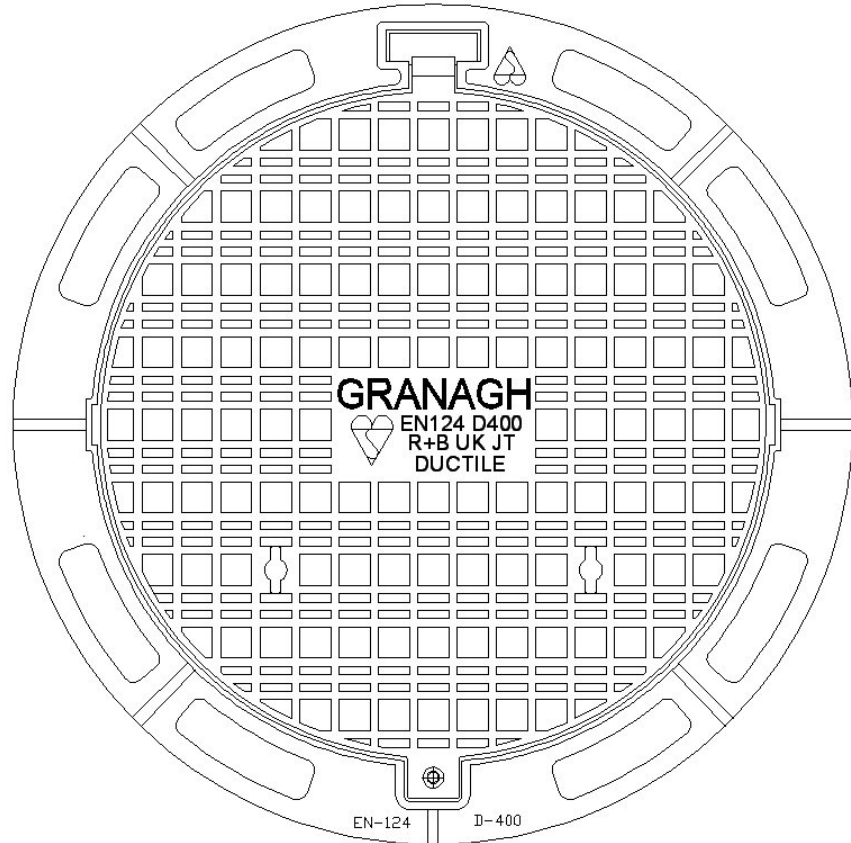
Black coated finish

OPTIONS:

Badged SW or FW

Locking

Ventilated



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1082/RC/RF	Granagh	600	810	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish

OPTIONS:

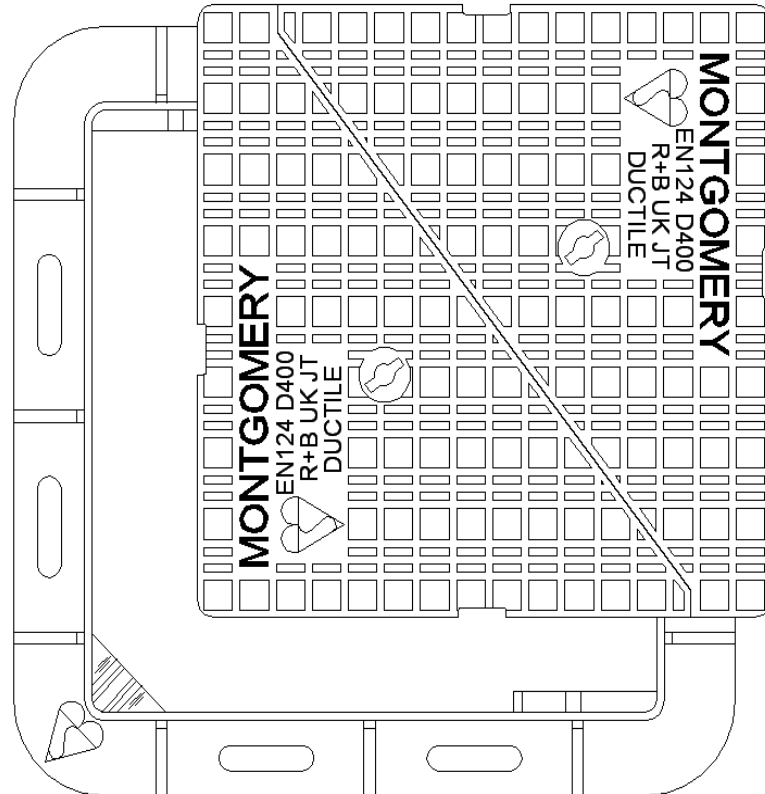
Badged SW or FW

Locking

Ventilated

Safety Grid

Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1001D	Montgomery	600 x 600	755 x 755	100
1001D/60/dia	Montgomery	600 Circular	755 x 755	100
1002D/60/dia	Montgomery	600 Circular	755 x 755	150
1002D	Montgomery	600 x 600	755 x 755	150

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. It is recommended that a 150mm frame be specified for motorway applications. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish

OPTIONS:

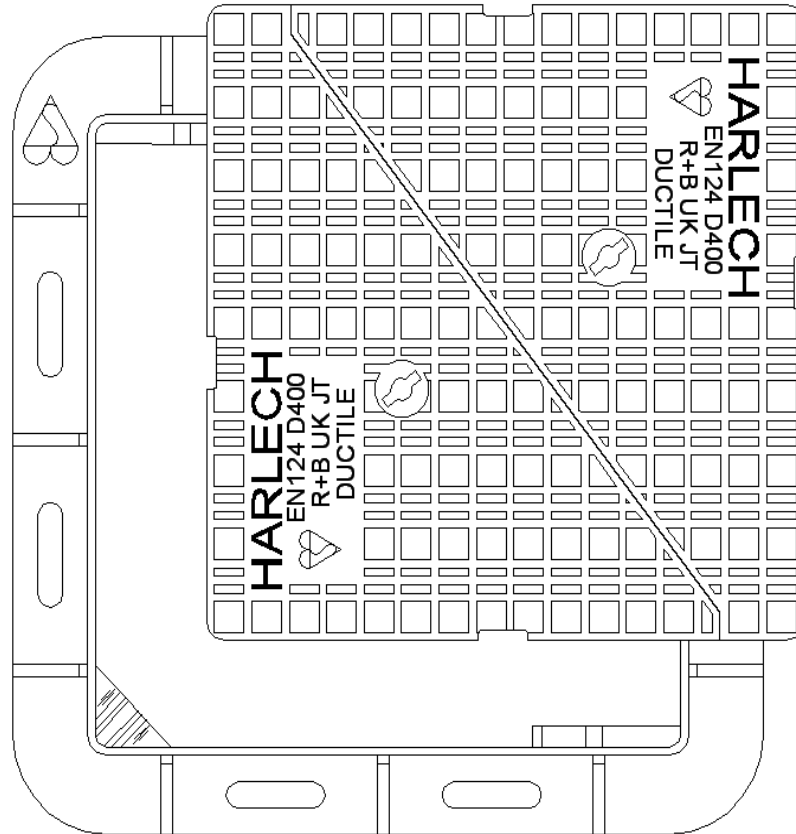
Badged SW or FW

Locking

Ventilated

Safety Grid

Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1017D	Harlech	675 x 675	835 x 835	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. It is recommended that a 150mm frame be specified for motorway applications. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish

OPTIONS:

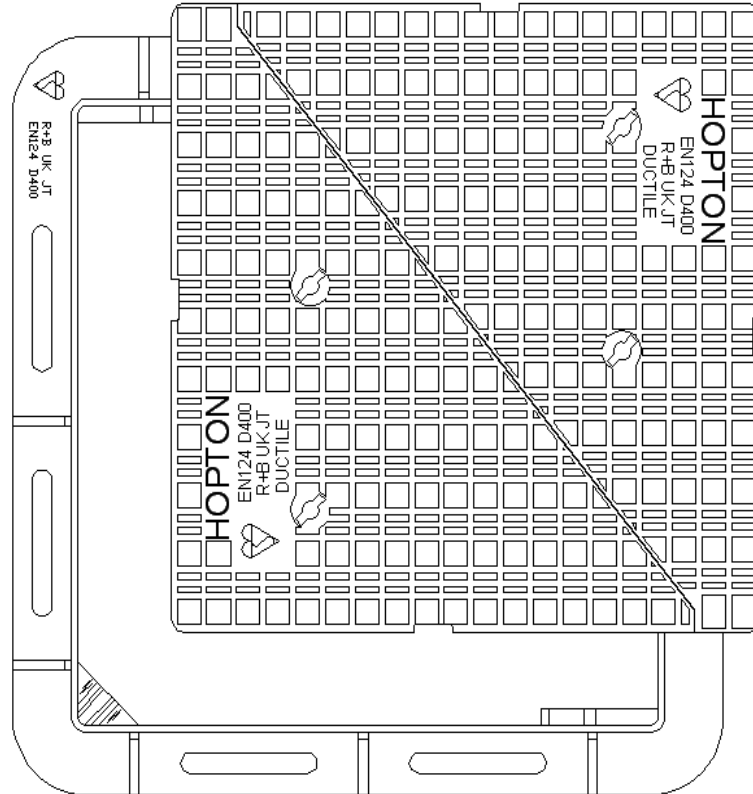
Badged SW or FW

Locking

Ventilated

Safety Grid

Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1036D	Hopton	750 x 750	910 x 910	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. It is recommended that a 150mm frame be specified for motorway applications. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish

OPTIONS:

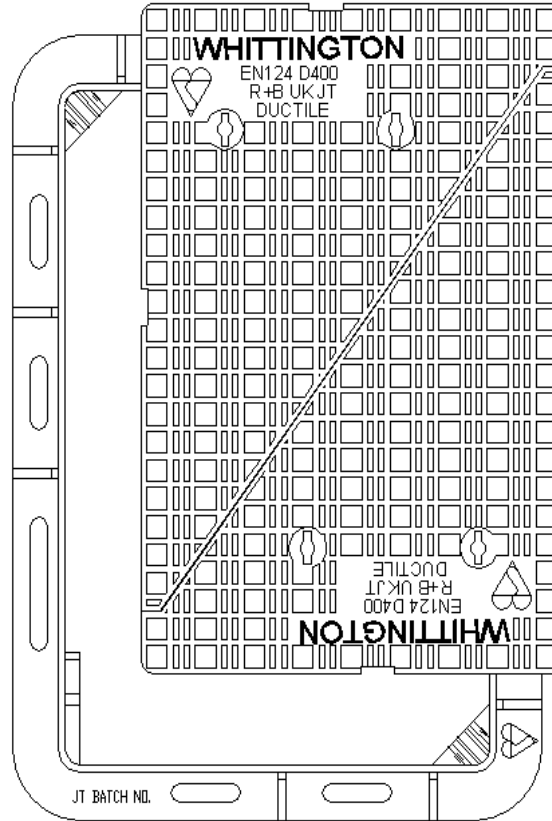
Badged SW or FW

Locking

Ventilated

Safety Grid

Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1018D	Whittington	900 x 600	1060 x 750	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. It is recommended that a 150mm frame be specified for motorway applications. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish

OPTIONS:

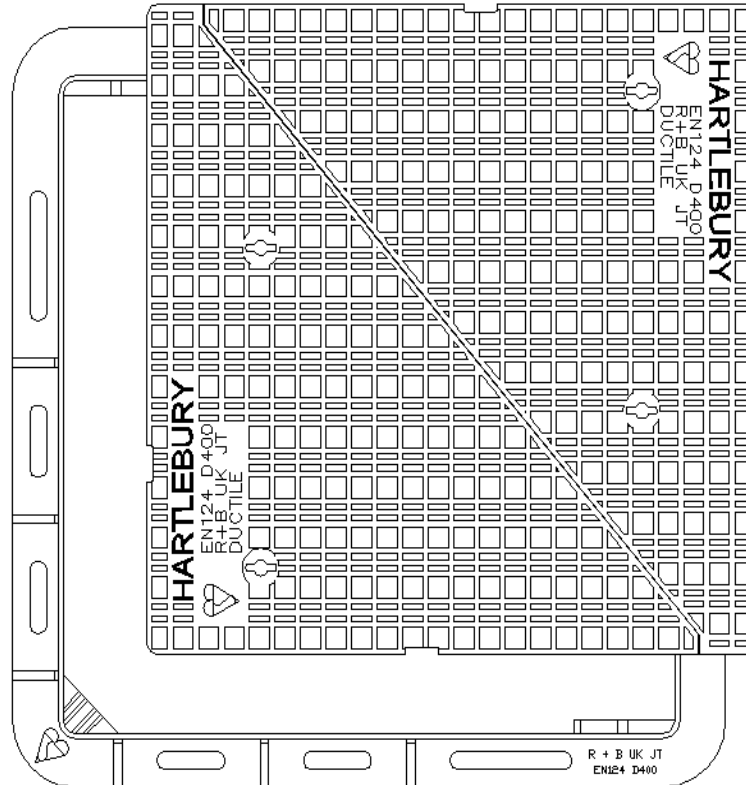
Badged SW or FW

Locking

Ventilated

Safety Grid

Sealing plate



Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1035D	Hartlebury	900 x 900	1065 x 1065	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. It is recommended that a 150mm frame be specified for motorway applications. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design

BS EN124 Class D400

BS 7903 (1997) Compliant

Ductile Iron for lightweight and high strength

Black coated finish

OPTIONS:

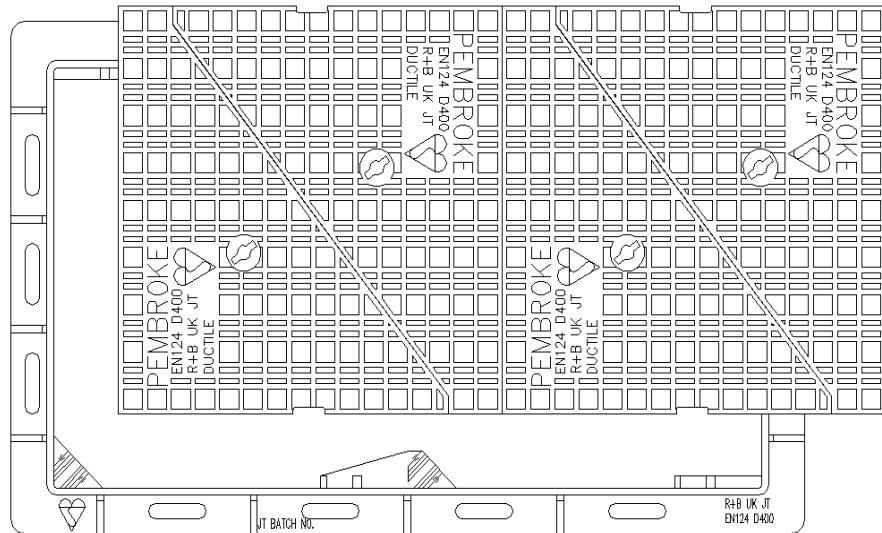
Badged SW or FW

Locking

Ventilated

Safety Grid

Sealing plate

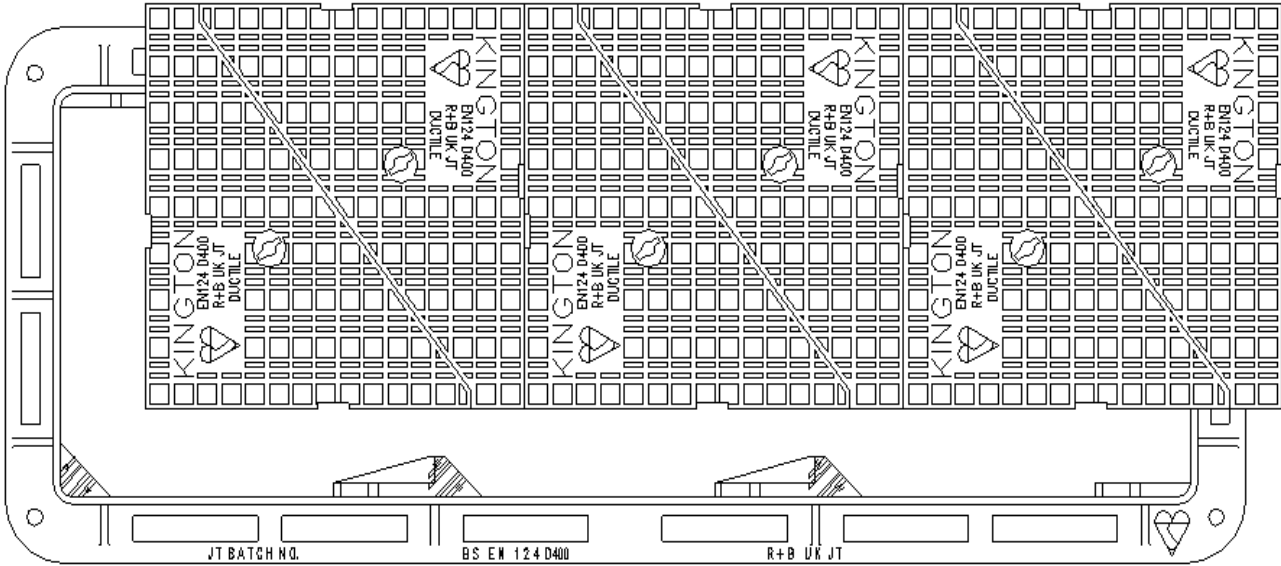


Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1022D	Pembroke	1220 x 675	1378 x 835	100

BS EN124 Access Covers and Frames: D400 Group 4

D400 access covers and frames are designed for use in areas, which are subject to fast moving traffic such as major roads. It is recommended that a 150mm frame be specified for motorway applications. All D400 manhole covers and frames are certified to the requirements of BS EN124.





FEATURES:

Non-rocking 3-point suspension design
 BS EN124 Class D400
 Ductile Iron for lightweight and high strength

ITS, Impact Transfer System
 BS 7903 (1997) Compliant
 Black coated finish

OPTIONS:

Badged SW or FW Locking Ventilated Safety Grid Sealing Plate

Code	Product Name	Clear Opening (mm)	Over Base (mm)	Depth (mm)
1039D	Kington	1800 x 675	1965 x 850	150

BS EN124 Access Covers and Frames: D400 Group 4

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