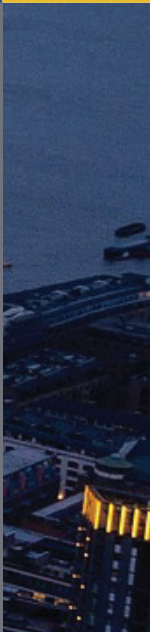



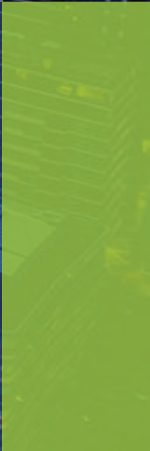


eccles[®]
Intelligent Access & Drainage Solutions[™]



Product Guide

www.ecclesproducts.com



eccles[®]

Intelligent Access & Drainage Solutions™

Intelligent Access and Drainage Solutions

Established in 1955, we are trusted manufacturers of ductile iron access covers, gully gratings, composite covers and innovative drainage systems.

We supply builders merchants, distributors and OEM businesses in the global civil engineering and drainage industry.

We have developed a global reputation for product innovation and developing intelligent access and drainage solutions.

Our innovative product solutions are designed to support various industries including:

- **Highways & Roads**
- **Infrastructure**
- **Housebuilding**
- **Utilities**
- **Water**
- **Urban Developments**
- **Pedestrian**
- **Bridges & Elevated Surfaces**
- **Airports**
- **Docks**

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Trusted Since 1955

For nearly 70 years we have been manufacturing our own brand of ductile iron access covers, gully grates, composite covers and steel fabrications.

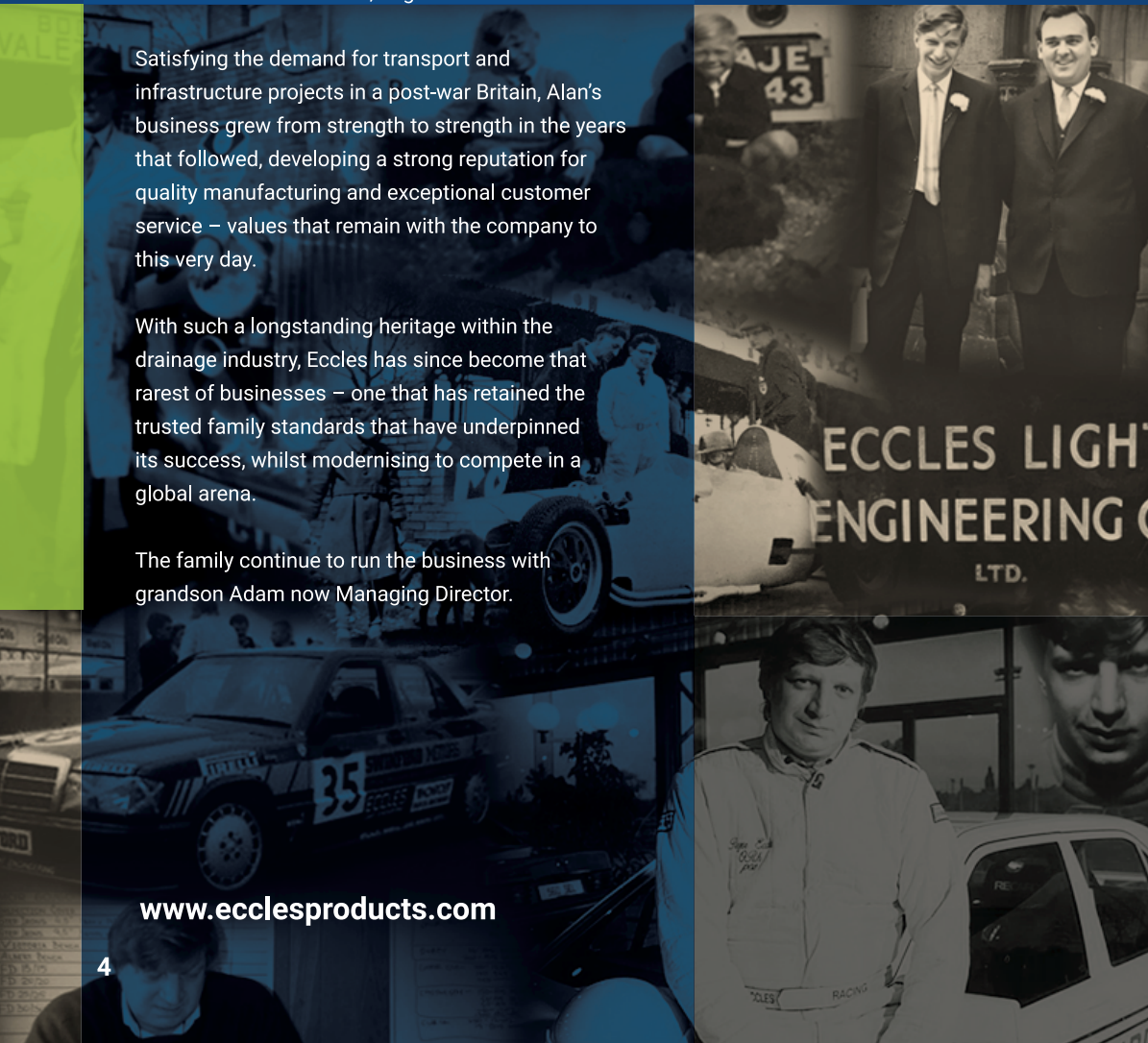
This journey began back in the 1950s as a young and ambitious Alan Eccles set up his own steel fabrication business in a car servicing and repair centre in West Bromwich, England.

Satisfying the demand for transport and infrastructure projects in a post-war Britain, Alan's business grew from strength to strength in the years that followed, developing a strong reputation for quality manufacturing and exceptional customer service – values that remain with the company to this very day.

With such a longstanding heritage within the drainage industry, Eccles has since become that rarest of businesses – one that has retained the trusted family standards that have underpinned its success, whilst modernising to compete in a global arena.

The family continue to run the business with grandson Adam now Managing Director.

www.ecclesproducts.com





Large Stocks, Fast Delivery

We have an extensive selection of specialist drainage and access products, including large stocks of access covers, gully grates, surface boxes and bridge deck drainage.

We also pride ourselves on fast delivery throughout the UK and abroad.

So whether you're a contractor, sub-contractor, merchant or specifier, you can be sure that we'll deliver the products you need quickly and competently to your site.

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Intelligent Access & Drainage Solutions™

Standards

BS EN124:2015

BS EN124:2015 is the British Standard for gully tops and manhole covers for vehicular and pedestrian areas. This currently comprises of six parts with separate requirements for products manufactured in different materials, which was not covered in the previous 1994 standard.

All Eccles products meet the requirements set out by this standard.

For products manufactured in iron additional tests have been incorporated including lift/tilt tests to assess the cover stability at the frame as well as static load test and permanent set test.

BS EN1433:2006

BS EN1433:2006 is the classification for drainage channels for vehicular and pedestrian areas, design and testing requirements and the marking and evaluation of conformity.

BS EN1433 is a harmonised standard with System 3 Attestation of Conformity Level 3.

The UKCA mark will become mandatory for all previous CE marked products being placed on UK projects from 1st January 2023.

For additional quality and assurance all Eccles **BS EN1433** products are certified and awarded the prestigious BSI kitemark, meaning our products have been checked against all aspects of the standard, not just the minimum requirements for CE/UKCA certification.

DMRB CD534

DMRB CD534 0.1.0 is a technical regulation which sets out the requirements for chamber tops and gully top on motorways and all-purpose trunk roads. The main additions to the revised regulation are that chamber tops shall be specified with a minimum polished skid resistance (PSRV) dependant on the risk specific to their location. Further additions include minimum frame weights and minimum flange area for Group 4 (D400) and Group 5 (E600) chamber tops. The regulation also no longer permits chamber tops to be installed within the carriageway for new construction and provides guidance on waterways of gully gratings and weir depths.

BS 7903:2020

This document provides guidance on the selection and installation of manhole tops and gully tops within the highway and provides assistance in designing drain and sewer systems in highways to deliver safe, durable, maintainable and usable installed cover systems through appropriate selection and installation of products to BS EN 124.

BS 5834:2011

BS 5834 specifies requirements for surface boxes to be used with guards and underground chambers designed for the purposes of utilities, including those intended for factory infill having a maximum designated overall clear opening of 450mm x 450mm. This British Standard specifies surface boxes made from cast iron, cast aluminium, plastics and fabricated steel.





High quality, reliable products: certified as standard



KM 656300
BS EN124-2:2015

We were one of the first companies globally to be awarded certification from the British Standards Institute (BSI) for the current EN standard for manhole covers and frames **BS EN124-2:2015**. Our **EN1433** products are now compliant with the new UK Conformity Assessed (CA) Mark, demonstrating our ongoing commitment to product quality and safety standards.

We hold two of our own BSI Kitemark licenses, **KM656300** for the standard **EN124-2:2015** and **KM734342** for the standard **EN1433:2006**.

In moving from the previous accreditation (**BS EN124:1994**), we have completed further and more stringent testing to transition our kitemark to the latest certification.

We also work with many other certification bodies such as **SGS, LRQA, NF, TL, TSE, DIN & Lloyds British**.

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EcclesEngineering™

Our high quality, cost-effective solutions are personalised to your requirements and include the assurance of a tried and tested design platform, manufactured to the highest quality.

Talk to us today and we'll create a solution that's tailored perfectly to the requirements you need.

- Lean OEM processes
- Competitively priced patterns and tooling
- Quality machining
- Material certificates
- Chemical composition and physical properties
- Quality reports
- Trusted supply chains
- Reverse engineering processes
- Parametric software modeling and FEA analysis

Bespoke walkway covers designed and engineered for Tower Bridge, London.

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eccles®
Intelligent Access & Drainage Solutions™

From Concept to Completion (C2C)

C2C is our philosophy of offering concise, impartial advice, innovative customer-focused design and competitive market-leading solutions – all to the point of satisfaction.

This philosophy is baked-in to the entire realm of manufacturing that we do, including various levels of design, fabrication, procurement, assembly and testing, making us a one-stop shop that customers return to time and time again.

Our unique C2C approach includes:

- **A dedicated, experienced Account Manager**
- **Quick, accurate and competitive costing**
- **Personal site visits, at your convenience**
- **Bespoke designs to solve specific needs**
- **Unrivalled industry intelligence and expert advice**
- **A world-leading manufacturing process**
- **Compliance with the new UK Conformity Assessed (CE) Mark, BSI Kitemark and other relevant standards**
- **Tender and pre-tender support**
- **Access to an online library of downloadable resources such as product sheets, technical data and media packs**

www.ecclesproducts.com



**CEUK
CA**

SmartGrip™ Technology

Our range of access covers and frames all feature SmartGrip Technology™, an asymmetrical raised pattern top plate designed to increase traction and improve stability.

Micro texture refers to the small-scale texture of the top of the raised pattern which controls contact between the tyre rubber and the surface of the access cover.

Macro texture refers to the large-scale texture of the cover plate as a whole, due to the raised pattern arrangement.

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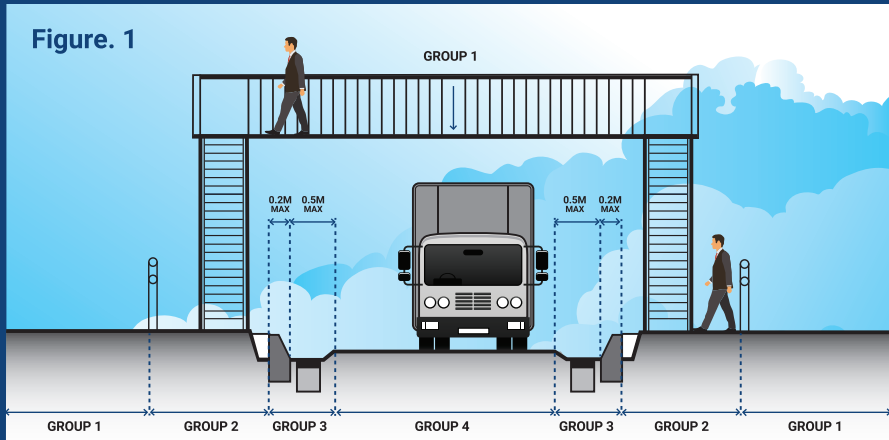


Application & Loadings Guide



The appropriate class of manhole cover or gully grate to be used depends on the place of installation.

- The various places of installation have been divided into groups numbered 1 to 6.
- Figure 1 shows the location 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 below.



A15 (GROUP 1)

Access covers and gratings capable of withstanding a 1.5 tonnes test load. For use in areas where only pedestrians and cyclists have access to.



B125 (GROUP 2)

Access covers and gratings capable of withstanding a 12.5 tonnes test load. For use in car parks and pedestrian area where occasional vehicular access is likely.



C250 (GROUP 3)

Access covers and gratings capable of withstanding a 25 tonnes test load. For use in areas where not extending more than 500mm from the kerb face into carriageway.



D400 (GROUP 4)

Access covers and gratings capable of withstanding a 40 tonnes test load. For use in areas where cars and lorries have access, including carriageways, hard shoulders and pedestrian areas.



E600 (GROUP 5)

Access covers and gratings capable of withstanding a 60 tonnes test load. For use in areas where heavy wheel loads are imposed such as loading areas, docks or aircraft pavements.



F900 (GROUP 6)

Access covers and gratings capable of withstanding a 90 tonnes test load. For use in areas where very heavy wheel loads are imposed such as aircraft pavements.

The application British Standards in the UK for access covers gully grates is BSEN 124:2015. This standard divides access covers and gully grates into number of classes by static test load. It also categorises the various places where they may be installed from Group 1, the least demanding environment through to Group 6, the most demanding. It provides guidance on the minimum class to be used against each installation group.



EasySeal™ B125



SmartGrip™
Technology

B125 (Group 2)

Kitemarked BS EN124-2 ductile iron single seal solid top access covers and frames.

OPTIONAL EXTRAS:

- Badged
- Locked
- Vented
- PSRV70+
- Rubber Seal



B125 (Group 2) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
DU027	450mm x 450mm	530mm x 530mm	42mm
DU027S *	450mm x 450mm	540mm x 540mm	42mm
DU009	450 DIA	560 DIA	42mm
DU003	300 DIA	390 DIA	42mm
DU005	600 DIA	690 DIA	50mm
DU043	600mm x 450mm	680mm x 530mm	42mm
DU043S *	600mm x 450mm	680mm x 530mm	42mm
DU044	600mm x 600mm	680mm x 680mm	42mm
DU044S *	600mm x 600mm	680mm x 680mm	42mm
DU125	675mm x 675mm	750mm x 750mm	50mm
DU018	750mm x 600mm	825mm x 675mm	50mm
DU123	750mm x 750mm	830mm x 830mm	50mm
DU033	900mm x 600mm	975mm x 675mm	50mm
DU122	900mm x 900mm	980mm x 980mm	50mm
DU085	1220mm x 680mm	1370mm x 830mm	50mm

* Slide Out



FEATURES:



Kitemark



SmartGrip Technology



Strong & Durable



Single Seal



Double Seal



Recyclable



Value Engineered



Engineered Slide



Fast Turnaround

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EasySeal™ C250



SmartGrip™
Technology

C250 (Group 3)

Kitemarked BS EN124-2 ductile iron single seal solid top access covers and frames.

OPTIONAL EXTRAS:

- Badged
- Locked
- Vented
- PSRV70+
- Rubber Seal



C250 (Group 3) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
DU089	300mm x 300mm	430mm x 430mm	70mm
DU035	450mm x 450mm	550mm x 550mm	70mm
DU023	600mm x 450mm	710mm x 560mm	70mm
DU024	600mm x 600mm	700mm x 700mm	70mm
DU091 *	600mm x 600mm	742mm x 742mm	70mm
DU112 *	600mm x 450mm	710mm x 560mm	70mm
DU038	750mm x 600mm	850mm x 700mm	70mm
DU028	750mm x 750mm	850mm x 850mm	70mm
DU032	900mm x 600mm	1010mm x 710mm	70mm
DU059	900mm x 900mm	1010mm x 1010mm	70mm

* Double Seal

FEATURES:



Kitemark



SmartGrip Technology



Strong & Durable



Single Seal



Double Seal



Recyclable



Value Engineered



Engineered Slide



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MaxiGrip™ D400



SmartGrip™
Technology

D400 (Group 4)

Kitemarked BS EN124-2 ductile iron double triangular access covers and frames.

OPTIONAL EXTRAS:

- Badged
- Locked
- Vented
- PSRV70+
- Sealing Plate *
- Security Plate

* Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details



D400 (Group 4) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
DU079	450mm x 450mm	550mm x 550mm	100mm
DU060	600mm x 450mm	710mm x 560mm	100mm
DU001	600mm x 600mm	670mm x 670mm	100mm
DU022	675mm x 675mm	830mm x 830mm	100mm
DU019	750mm x 600mm	890mm x 740mm	100mm
DU078	750mm x 750mm	850mm x 850mm	100mm
DU021	900mm x 600mm	1040mm x 740mm	100mm
DU053	900mm x 900mm	1060mm x 1060mm	100mm
DU139 *	1000mm x 1000mm	1150mm x 1150mm	100mm
DU220	1220mm x 680mm	1320mm x 780mm	100mm
DU131	1200mm x 900mm	1300mm x 1000mm	100mm
DU120	1200mm x 1200mm	1350 mm x 1350mm	100mm
DU330	1830mm x 675mm	1980mm x 830mm	100mm

* Not Kitemarked

FEATURES:



Kitemark



SmartGrip Technology



Three Point
Suspension



Increased Bedding Area



Complies with DMRB



Recyclable



Depth of Insertion



Fast Turnaround

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MaxiGrip™ D400



SmartGrip™
Technology

D400 (Group 4)

Kitemarked BS EN124-2 ductile iron double triangular access covers and frames.

OPTIONAL EXTRAS:

- Badged
- Locked
- Vented
- PSRV70+
- Sealing Plate *
- Security Plate

* Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details



D400 (Group 4) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
DU002	600mm x 600mm	755mm x 755mm	150mm
DU084	675mm x 675mm	830mm x 830mm	150mm
DU056	750mm x 600mm	900mm x 750mm	150mm
DU090	750mm x 750mm	900mm x 900mm	150mm
DU086	900mm x 600mm	1050mm x 750mm	150mm
DU225	1220mm x 675mm	1330mm x 780mm	150mm
DU335	1830mm x 675mm	1980mm x 830mm	150mm

FEATURES:



Kitemark



SmartGrip Technology



Three Point
Suspension



Increased Bedding Area



Complies with DMRB



Recyclable



Depth of Insertion



Fast Turnaround

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MaxiGrip⁺ D400



SmartGrip[™]
Technology

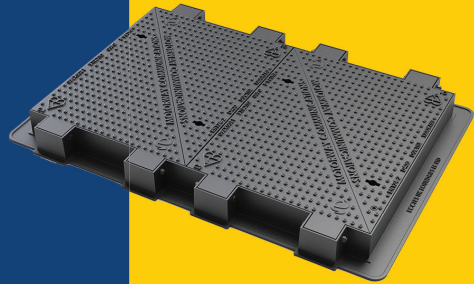
D400 (Group 4)

Kitemarked BS EN124-2 ductile iron hinged double triangular access covers and frames.

OPTIONAL EXTRAS:

- Badged
- Locked
- Vented
- PSRV70+
- Sealing Plate *
- Security Plate

* Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details



D400 (Group 4) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
WA221	1200mm x 750mm	1350mm x 900mm	100mm
WA221H	1200mm x 750mm	1350mm x 900mm	150mm
WA223	1500mm x 750mm	1600mm x 900mm	100mm
WA223H	1500mm x 750mm	1600mm x 900mm	150mm
WA336	1800mm x 750mm	1950mm x 900mm	100mm
WA336H	1800mm x 750mm	1950mm x 900mm	150mm

FEATURES:



-  Kitemark
-  SmartGrip Technology
-  Three Point Suspension
-  Increased Bedding Area
-  Complies with DMRB
-  Recyclable
-  Depth of Insertion
-  Fast Turnaround
-  Lift & Lock System
-  Indexed Covers

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MaxiGrip⁺ D400



SmartGrip[™]
Technology

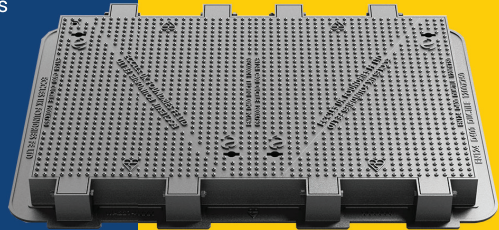
D400 (Group 4)

Kitemarked BS EN124-2 ductile iron hinged double triangular access covers and frames badged motorway communications.

OPTIONAL EXTRAS:

- Badged
- PSRV70+
- Locked
- Sealing Plate *
- Vented
- Security Plate

* Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details



D400 (Group 4) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
MW019	750mm x 675mm	960mm x 885mm	100mm
MW120	1200mm x 1200mm	1350mm x 1350mm	100mm
MW226	1300mm x 850mm	1450mm x 1000mm	100mm
MW228	1500mm x 1500mm	1650mm x 1650mm	100mm
MW228H	1500mm x 1500mm	1650mm x 1650mm	150mm

FEATURES:



Kitemark



SmartGrip Technology



Three Point Suspension



Increased Bedding Area



Complies with DMRB



Recyclable



Depth of Insertion



Fast Turnaround



Lift & Lock System



Indexed Covers

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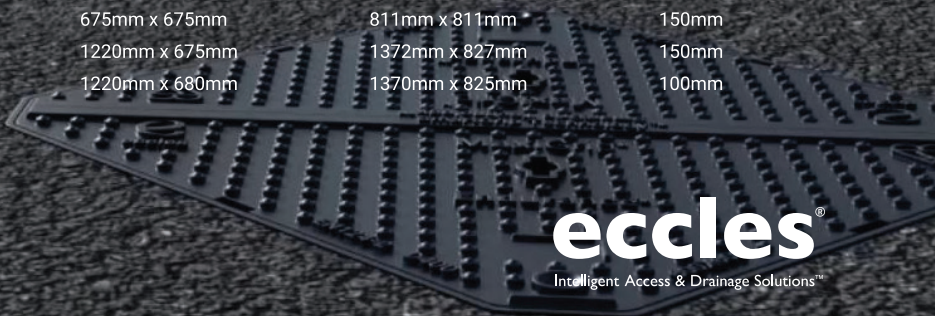
Introducing Eccles New enhanced (Group 4) range of ductile iron access covers.

Designed and engineered by Eccles to exceed National Highways' DMRB CD 534 (version 0.1.0), a technical regulation (formally HA/104) Kitemarked and surpassing the requirements of BS EN 124:2015.



PRODUCT RANGE:

Product Code	Clear Opening	Base Size	Depth
DU001H	600mm x 600mm	700mm x 700mm	100mm
DU002H	600mm x 600mm	748mm x 748mm	150mm
DU019H	750mm x 600mm	900mm x 750mm	100mm
DU021H	900mm x 680mm	1050mm x 750mm	100mm
DU022H	675mm x 675mm	815mm x 815mm	100mm
DU084H	675mm x 675mm	811mm x 811mm	150mm
DU225H	1220mm x 675mm	1372mm x 827mm	150mm
DU220H	1220mm x 680mm	1370mm x 825mm	100mm



Endurance™

D400 (Group 4)

Ductile iron access covers, suitable for use in areas where cars and lorries have access, including carriageways, hard shoulders and pedestrian zones. Capable of withstanding a 400kN (40 tonnes) test load.

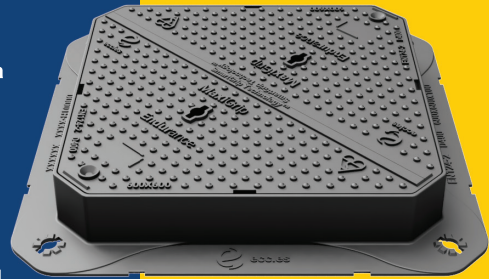
OPTIONAL EXTRAS:

- Badged
- Security Plate
- Locked
- Safety Grids
- Vented
- Security Locking
- Sealing Plate *

* Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details



SmartGrip™
Technology



D400 (Group 4) Ductile Iron Access Covers

FEATURES:



SmartGrip Technology™ - Unique pattern design provides a PSRV value of >70 (UKAS Accredited 3rd Party).



Recyclable - Long life asset with high circularity contributing to the reduction in carbon footprint.



Coating - Black coated finish.



Ratio - Ductile iron for improved weight to strength ratio.



Depth of Insertion - Meets the depth of insertion requirements of BS EN124-2:2015, CD534 and BS7903



Three Point Suspension - Three point suspension for non rock stability.



Kitemark - Exceeds the requirements of BS EN124-2:2015, tested and certified by BSI.



Complies with MCHW - Manual for Contract Highway Works, Series 500.



Complies with DMRB - Meets the requirements of Highways England specification CD534.



Strong & Durable - Spheroidal graphite cast iron according to EN 1563:2018, as per the requirements of BS EN124-2:2015.

ADDITIONAL FEATURES:



Weight of Frame (kgs) - Exceeds the requirements of Highways England DMRB CD534 V0.01 (table 2.10a). CD534 is a technical regulation replacing HA/104.



Low Wear Inverted 'V' Seatings - Allows the dynamic loads in service to be distributed more evenly across the frame geometry, preventing concentrated stress points.



Lifting Points on Frame - Incorporated lifting points to provide a balanced lift as specified in BS7903:2020 clause 6.19; the underside of the lifting points are recessed to engage with the bedding material and encourage superior adhesion.



Ergonomic Frame Design - Due to the enhanced rigid frame design, the frame requires no gussets and has reinforced corner areas to increase the structural integrity of the frame.



SmartGrip Keyways™ - Keyways engage with standard large type BS497 lifting keys to prevent disengagement of the key during the removal and replacement of the cover into the frame.



Elev8™ Frame Levelling System - Provides easy adjustment of the frame during installation to facilitate bedding mortar from 10mm to 50mm depth.



Flange Bearing Area - All Endurance D400 (group 4) products exceed the minimum specified flange area of 190,000mm² as specified in DMRB CD534 V 0.1.0 (table 2.10b)



Integrated Bedding Mortar Indicator - Ensures that bedding material envelops the flange to the minimum requirements, can be used in conjunction with our Elev8™ levelling system when using flowable bedding mortars.

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EliteGrip™ E600



SmartGrip™
Technology

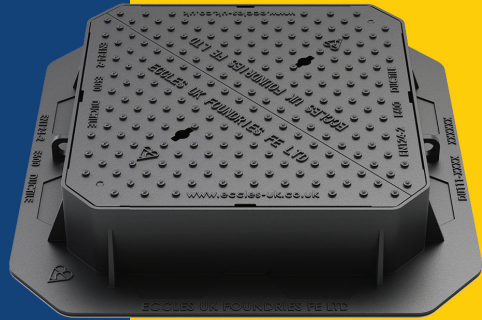
E600 (Group 6)

Kitemarked BS EN124-2 ductile iron double triangular access covers and frames.

OPTIONAL EXTRAS:

- Badged
- Locked
- Vented
- PSRV70+
- Sealing Plate *
- Security Plate

* Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details



E600 (Group 6) Ductile Iron Access Covers

Product Code	Clear Opening	Base Size	Depth
DU111 *	600mm x 600mm	810mm x 810mm	150mm
DU130 *	675mm x 675mm	875mm x 875mm	150mm
DU222	1220mm x 675mm	1370mm x 830mm	150mm
DU333	1830mm x 680mm	1980mm x 830mm	150mm

* Available CD534 Compliant

FEATURES:



Kitemark



SmartGrip Technology



Three Point
Suspension



Increased Bedding Area



Complies with DMRB



Recyclable



Depth of Insertion



Fast Turnaround

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FreeFlow™

C250

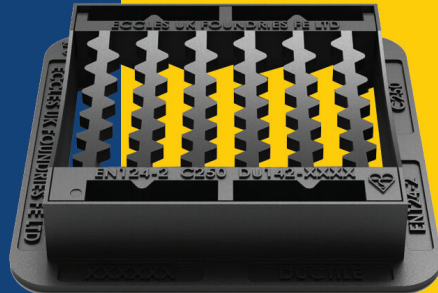


C250 (Group 3)

Kitemarked BS EN124-2 ductile iron captive hinged straight bar gully grates and frames.

OPTIONAL EXTRAS:

- Locked



C250 (Group 3) Gully Grates and Frames

Product Code	Clear Opening	Base Size	Depth	Waterways
DU011	380mm x 315mm	525mm x 400mm	70mm	864cm ²
DU012	320mm x 315mm	470mm x 400mm	70mm	793cm ²
DU141 *	225mm x 225mm	295mm x 295mm	70mm	337cm ²
DU142 *	300mm x 300mm	380mm x 380mm	70mm	530cm ²
DU142F	300mm x 300mm	380mm x 380mm	70mm	530cm ²

* Dished

FEATURES:



Kitemark



Captive Anti Theft Hinge



Strong & Durable



Waterflow



Fast Turnaround



Complies with MCHW



Complies with DMRB



Recyclable



Value Engineered

FreeFlow™

D400

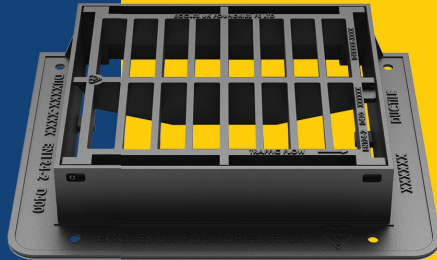


D400 (Group 4)

Kitemarked BS EN124-2 ductile iron captive hinged straight bar gully grates and frames.

OPTIONAL EXTRAS:

- Locked



D400 (Group 4) Gully Grates and Frames

Product Code	Clear Opening	Base Size	Depth	Waterways
DU036	430mm x 370mm	570mm x 455mm	100mm	1115cm ²
DU099	430mm x 370mm	580mm x 455mm	150mm	1128cm ²
DU144	420mm x 420mm	565mm x 500mm	100mm	1191cm ²
DU145	420mm x 420mm	565mm x 500mm	150mm	1191cm ²
DU127	450mm x 450mm	600mm x 550mm	100mm	1210cm ²

FEATURES:



Kitemark



Strong & Durable



Waterflow



Fast Turnaround



Complies with MCHW



Complies with DMRB



Recyclable



Value Engineered

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FreeFlow™ D400



D400 (Group 4)

Kitemarked BS EN124-2 ductile iron double triangular gully grates and frames.



D400 (Group 4) Gully Grates and Frames

Product Code	Clear Opening	Base Size	Depth	Waterways
DU143	420mm x 420mm	570mm x 505mm	100mm	1136cm ²
DU149	420mm x 420mm	570mm x 505mm	150mm	1136cm ²
DU008	435mm x 435mm	585mm x 520mm	100mm	1284cm ²
DU034	600mm x 600mm	750mm x 685mm	100mm	2317cm ²

FEATURES:



Kitemark



Strong & Durable



Waterflow



Fast Turnaround



Complies with MCHW



Complies with
DRMB



Recyclable



Value Engineered

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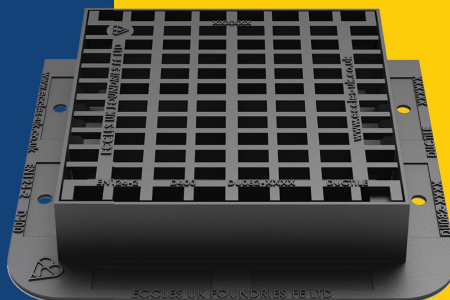
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GridFlow™



D400 (Group 4)

Kitemarked BS EN124-2 ductile iron captive hinged pedestrian gully grates and frames.



D400 (Group 4) Gully Grates and Frames

Product Code	Clear Opening	Base Size	Depth	Waterways
DU082	430mm x 430mm	580mm x 520mm	100mm	990cm ²
DU135	430mm x 370mm	510mm x 510mm	100mm	791cm ²
DU137 *	450mm x 450mm	600mm x 600mm	100mm	1030cm ²

* E600

FEATURES:



Kitemark



Captive Anti Theft Hinge



Strong & Durable



Waterflow



Fast Turnaround



Complies with MCHW



Complies with DMRB



Recyclable



Value Engineered



Pedestrian

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HydraGrip™ D400



SmartGrip™
Technology

D400 (Group 4)

Kitemarked BS EN124-2 ductile iron double triangular surface boxes.

OPTIONAL EXTRAS:

- Badged
- W
- SV
- WO
- FH
- AV
- WATER
- GAS



D400 (Group 4) Ductile Iron Surface Boxes

Product Code	Clear Opening	Base Size	Depth
DU077	150mm x 150mm	260mm x 260mm	100mm
DU047	225mm x 225mm	335mm x 335mm	100mm
DU048	380mm x 230mm	490mm x 340mm	100mm
DU020	300mm x 300mm	410mm x 410mm	100mm
DU116	430mm x 280mm	520mm x 370mm	100mm

FEATURES:



Kitemark



SmartGrip Technology



Three Point
Suspension



Strong and Durable



Fast Turnaround



Recyclable

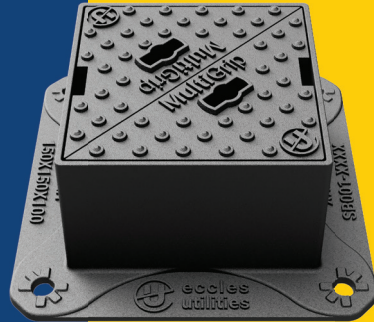


Grade A (BS-5834)

Ductile iron double triangular surface boxes.

OPTIONAL EXTRAS:

- Bespoke badged for asset owner



Grade A (BS-5834) Ductile Iron Surface Boxes

Product Code	Clear Opening	Base Size	Depth
SB001P **	150mm x 150mm	222mm x 222mm	100mm
SB001SV **	150mm x 150mm	222mm x 222mm	100mm
SB002P **	150mm x 150mm	222mm x 222mm	125mm
SB002SV **	150mm x 150mm	222mm x 222mm	125mm
SB002FH **	150mm x 150mm	222mm x 222mm	125mm
SB002WO **	150mm x 150mm	222mm x 222mm	125mm
SB003P **	225mm x 225mm	305mm x 305mm	100mm
SB003SV **	225mm x 225mm	305mm x 305mm	100mm
SB004P **	300mm x 300mm	380mm x 380mm	100mm
SB004SV **	300mm x 300mm	380mm x 380mm	100mm
SB004G **	300mm x 300mm	380mm x 380mm	100mm
SB005P *	380mm x 230mm	490mm x 340mm	125mm
SB005W *	380mm x 230mm	490mm x 340mm	125mm
SB005SV *	380mm x 230mm	490mm x 340mm	125mm
SB005WO *	380mm x 230mm	490mm x 340mm	125mm
SB005FH *	380mm x 230mm	490mm x 340mm	125mm
SB006P *	150mm x 150mm	222mm x 222mm	100mm
SB006SV *	150mm x 150mm	222mm x 222mm	100mm
SB006W *	150mm x 150mm	222mm x 222mm	100mm
SB006G *	150mm x 150mm	222mm x 222mm	100mm

* Single Lid Wedge Seated

** Double Triangular

FEATURES:



Strong and Durable



SmartGrip Technology



Three Point Suspension



Fast Turnaround



Recyclable



Wedge Seated

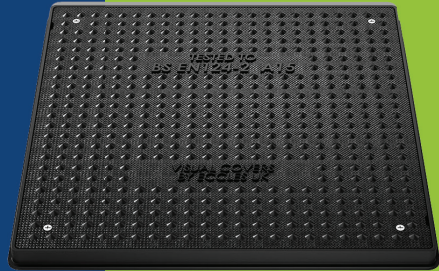


A15 (Group 1)

Composite single seal solid top access covers and frames locked 4 screws.

OPTIONAL EXTRAS:

- Badged



A15 (Group 1) Composite Access Covers

Product Code	Clear Opening	Base Size	Depth
ECOM300ST	330mm x 330mm	380mm x 380mm	25mm
ECOM301ST	450mm x 450mm	500mm x 500mm	25mm
ECOM302ST	600mm x 450mm	650mm x 500mm	25mm
ECOM303ST	600mm x 600mm	650mm x 650mm	25mm

FEATURES:



SmartGrip Technology



Lightweight



Single Seal



Life Span



Competitive



Anti-Fatigue



Low Vibration Rate



High UV Resistance



Silent Engineering



Recyclable



Easy Fit



Locked

B125 (Group 2)

Composite single seal solid top access covers and frames locked 4 screws.

OPTIONAL EXTRAS:

- Badged



B125 (Group 2) Composite Access Covers

Product Code	Clear Opening	Base Size	Depth
ECOM203C *	450mm ø	520mm ø	42mm
ECOM289ST	450mm x 450mm	530mm x 530mm	40mm
ECOM290ST	600mm x 450mm	680mm x 530mm	40mm
ECOM291ST	600mm x 600mm	680mm x 680mm	40mm

* 3 Screws

FEATURES:

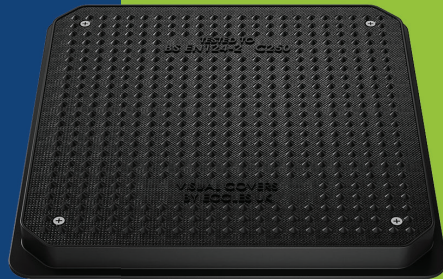
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|  SmartGrip Technology |  Lightweight |  Single Seal |
|  Life Span |  Competitive |  Anti-Fatigue |
|  Low Vibration Rate |  High UV Resistance |  Silent Engineering |
|  Recyclable |  Easy Fit |  Locked |

C250 (Group 3)

Composite single seal solid top access covers and frames locked 4 screws.

OPTIONAL EXTRAS:

- Badged



C250 (Group 3) Composite Access Covers

Product Code	Clear Opening	Base Size	Depth
ECOM297ST	450mm x 450mm	530mm x 530mm	40mm
ECOM298ST	600mm x 450mm	680mm x 530mm	40mm
ECOM299ST	600mm x 600mm	680mm x 680mm	40mm

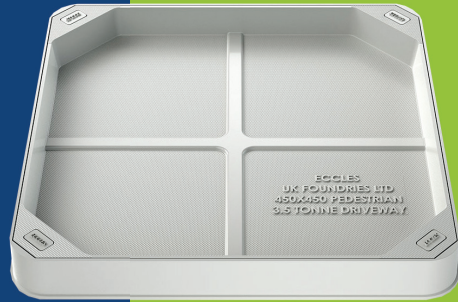
FEATURES:

- | | | |
|--|--|--|
|  SmartGrip Technology |  Lightweight |  Single Seal |
|  Life Span |  Competitive |  Anti-Fatigue |
|  Low Vibration Rate |  High UV Resistance |  Silent Engineering |
|  Recyclable |  Easy Fit |  Locked |

MultiFill™ 60

60mm (3.5 Tonne)

Composite single seal recessed access covers and frames, locked 4 screws.



60mm (3.5 Tonne) Composite Access Covers

Product Code	Clear Opening	Base Size	Depth
ECOM260CR	450mm x 450mm	550mm x 550mm	60mm
ECOM261CR	600mm x 450mm	700mm x 550mm	60mm
ECOM262CR	600mm x 600mm	700mm x 700mm	60mm

FEATURES:



Locked 4 Screws



Rubber Seal



Competitive



Anti-Fatigue



Low Vibration Rate



High UV Resistance



Silent Engineering



Recyclable



Lifespan



Lightweight

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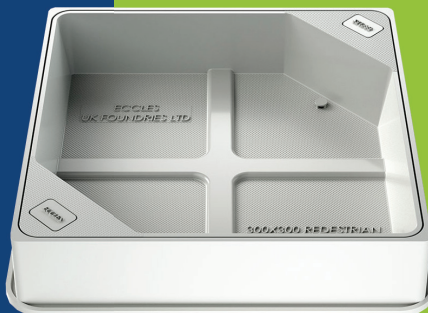
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MultiFill™

86

86mm (3.5 Tonne)

Composite recessed access covers and frames.



86mm (3.5 Tonne) Composite Access Covers

Product Code	Clear Opening	Base Size	Depth
ECOM280CR	300mm x 300mm	420mm x 420mm	86mm
ECOM281CR	450mm x 450mm	570mm x 570mm	86mm
ECOM282CR	600mm x 450mm	720mm x 570mm	86mm
ECOM283CR	600mm x 600mm	720mm x 720mm	86mm

FEATURES:



Competitive



Anti-Fatigue



Low Vibration Rate



High UV Resistance



Silent Engineering



Recyclable



Easy Fit



Life Span



Lightweight



Block Paving



MultiFill+

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MultiFill™

45

Galvanised Steel recessed access covers and frames to accept screed or tile infill.



MultiFill 45 Steel Access Covers and Frames

Product Code	Loading	Clear Opening	Depth	Description
RT1260C	10t GLVW	1200 x 600mm	52mm	Medium duty recessed tray
RT3030C	10t GLVW	300 x 300mm	52mm	Medium duty recessed tray
RT4545C	10t GLVW	450 x 450mm	52mm	Medium duty recessed tray
RT450SRC	10t GLVW	450 x 450mm	52mm	Medium duty recessed tray
RT6045C	10t GLVW	600 x 450mm	52mm	Medium duty recessed tray
RT6060C	10t GLVW	600 x 600mm	52mm	Medium duty recessed tray
RT6767C	10t GLVW	675 x 675mm	52mm	Medium duty recessed tray
RT7560C	10t GLVW	750 x 600mm	52mm	Medium duty recessed tray
RT7575C	10t GLVW	750 x 750mm	52mm	Medium duty recessed tray
RT9060C	10t GLVW	900 x 600mm	52mm	Medium duty recessed tray
RT9090C	10t GLVW	900 x 900mm	52mm	Medium duty recessed tray

FEATURES:



Material



MultiFill+



Plain Seated



Keyways



Fixings



Reinforced



Coating



Recyclable



Value Engineered



Fast Turnaround

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MultiFill™

80

Galvanised Steel recessed access covers and frames to accept 60mm blocks.



Product Code	Loading	Clear Opening	Depth	Description
PT3030C	10t GLVW	300 x 300 x 80mm	80mm	Block Paviers
PT4545C	10t GLVW	450 x 450 x 80mm	80mm	Block Paviers
PT6045C	10t GLVW	600 x 450 x 80mm	80mm	Block Paviers
PT6060C	10t GLVW	600 x 600 x 80mm	80mm	Block Paviers
PT6767C	10t GLVW	675 x 675 x 80mm	80mm	Block Paviers
PT7560C	10t GLVW	750 x 600 x 80mm	80mm	Block Paviers
PT7575C	10t GLVW	750 x 750 x 80mm	80mm	Block Paviers
PT9060C	10t GLVW	900 x 600 x 80mm	80mm	Block Paviers
PT1260C	10t GLVW	1200 x 600 x 80mm	80mm	Block Paviers
PT6045E	25t GLVW	600 x 450 x 80mm	80mm	Block Paviers
PT6060E	25t GLVW	600 x 600 x 80mm	80mm	Block Paviers
PT6767E	25t GLVW	675 x 675 x 80mm	80mm	Block Paviers
PT7560E	25t GLVW	750 x 600 x 80mm	80mm	Block Paviers
PT7575E	25t GLVW	750 x 750 x 80mm	80mm	Block Paviers
PT9060E	25t GLVW	900 x 600 x 80mm	80mm	Block Paviers
PT1260F	44t GLVW	1200 x 600 x 80mm	80mm	Block Paviers
PT6045F	44t GLVW	600 x 450 x 80mm	80mm	Block Paviers
PT6060F	44t GLVW	600 x 600 x 80mm	80mm	Block Paviers
PT7560F	44t GLVW	750 x 600 x 80mm	80mm	Block Paviers
PT7575F	44t GLVW	750 x 750 x 80mm	80mm	Block Paviers
PT9060F	44t GLVW	900 x 600 x 80mm	80mm	Block Paviers

FEATURES:



Material



MultiFill+



Plain Seated



Keyways



Fixings



Reinforced



Coating



Recyclable



Value Engineered



Fast Turnaround

MultiFill™

100

Galvanised Steel recessed access covers and frames to accept 80mm blocks.



MultiFill 100 Steel Access Covers and Frames

Product Code	Loading	Clear Opening	Depth	Description
PP3030C	10t GLVW	300 x 300 x 100mm	100mm	Block Paviers
PP4545C	10t GLVW	450 x 450 x 100mm	100mm	Block Paviers
PP6045C	10t GLVW	600 x 450 x 100mm	100mm	Block Paviers
PP6060C	10t GLVW	600 x 600 x 100mm	100mm	Block Paviers
PP6767C	10t GLVW	675 x 675 x 100mm	100mm	Block Paviers
PP7560C	10t GLVW	750 x 600 x 100mm	100mm	Block Paviers
PP7575C	10t GLVW	750 x 750 x 100mm	100mm	Block Paviers
PP9060C	10t GLVW	900 x 600 x 100mm	100mm	Block Paviers
PP1260C	10t GLVW	1200 x 600 x 100mm	100mm	Block Paviers
PP6045E	25t GLVW	600 x 450 x 100mm	100mm	Block Paviers
PP6060E	25t GLVW	600 x 600 x 100mm	100mm	Block Paviers
PP6767E	25t GLVW	675 x 675 x 100mm	100mm	Block Paviers
PP7560E	25t GLVW	750 x 600 x 100mm	100mm	Block Paviers
PP7575E	25t GLVW	750 x 750 x 100mm	100mm	Block Paviers
PP9060E	25t GLVW	900 x 600 x 100mm	100mm	Block Paviers
PP1260F	44t GLVW	1200 x 600 x 100mm	100mm	Block Paviers
PP6045F	44t GLVW	600 x 450 x 100mm	100mm	Block Paviers
PP6060F	44t GLVW	600 x 600 x 100mm	100mm	Block Paviers
PP7560F	44t GLVW	750 x 600 x 100mm	100mm	Block Paviers
PP7575F	44t GLVW	750 x 750 x 100mm	100mm	Block Paviers
PP9060F	44t GLVW	900 x 600 x 100mm	100mm	Block Paviers

FEATURES:



Material



MultiFill+



Plain Seated



Keyways



Fixings



Reinforced



Coating



Recyclable



Value Engineered

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Galvanised Steel pressed single seal solid top covers and frames.



Product Code	Loading	Clear Opening	Depth	Description
PS3030A	2.5t GLVW	300 x 300mm	22mm	Pressed Solid Tops
PS4545A	2.5t GLVW	450 x 450mm	22mm	Pressed Solid Tops
PS4545B	5t GLVW	450 x 450mm	22mm	Pressed Solid Tops
PS6045A	2.5t GLVW	300 x 450mm	22mm	Pressed Solid Tops
PS6045B	5t GLVW	600 x 450mm	22mm	Pressed Solid Tops
PS6045C	10t GLVW	600 x 450mm	22mm	Pressed Solid Tops
PS6045D	17.5t GLVW	600 x 450mm	22mm	Pressed Solid Tops
PS6045E	25t GLVW	600 x 450mm	22mm	Pressed Solid Tops
PS6060A	2.5t GLVW	600 x 600mm	22mm	Pressed Solid Tops
PS6060B	5t GLVW	600 x 600mm	22mm	Pressed Solid Tops
PS6060C	10t GLVW	600 x 600mm	22mm	Pressed Solid Tops
PS6060D	17.5t GLVW	600 x 600mm	22mm	Pressed Solid Tops
PS6060E	25t GLVW	600 x 600mm	22mm	Pressed Solid Tops

FEATURES:



Material



Coating



Neoprene Seal



Recyclable



Value Engineered



Fast Turnaround



Cold Drawn Corners



Premeris⁺™

Premeris⁺

High quality bespoke steel solutions custom-designed to satisfy the exact specification of your project.

Our flexible manufacturing facilities are certified **ISO9001** and **ISO14001** where applicable. We can offer a cost-effective solution in a range of materials including galvanised mild steel and stainless steel Grade 304 and 306.

As such we offer a total design and engineering solution for all projects:

- **Lean manufacturing processes**
- **Competitively priced patterns and tooling**
- **Full design and site survey service**
- **Material certificates**
- **Quality reports**
- **Trusted supply chains**
- **Reverse engineering processes**

eccles[®]

Intelligent Access & Drainage Solutions™



Aarburg Bridge,
Switzerland



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AquaDeck™



AquaDeck is the new bridge drainage system from Eccles that has been developed to compliment our existing range of civil engineering drainage solutions.



Made from a high strength ductile iron, **AquaDeck** is a combined kerb drainage system for use on bridges and elevated highways, or where construction depths are limited.

Available in both Half Battered and 45 Degree Splay designs, **AquaDeck** can be manufactured in a wide range of width and depth combinations to suit the specific hydraulic design.

Design Features

- Surface and sub surface drainage all in one unit
- Manufactured from high strength, long lasting ductile iron
- SmartGrip Technology™ with a high multi-directional micro texture to improve stability against aquaplaning
- Two-part design allows easy access for cleaning at any part along the entire drainage run
- Easy bespoke manufacture of special depths
- Fast, easy installation – the system is laid on AquaDeck bedding compound and adjusted to line and level
- 45 degree splay or HB kerb shape
- Tested in excess of 400kN (Type I) BSEN1433

eccles®
Intelligent Access & Drainage Solutions™

SubDrain™

SubDrain is a high strength channel bridge drainage system that provides sub-surface water collection at deck level. The system has been designed and engineered to operate in conjunction with the AquaDeck bridge deck kerb drainage system, or can be used as a stand-alone sub-surface collection system.

Certification

AquaDeck is fully compliant to the Harmonised European Standard BS EN1433.

AquaDeck is CE marked and also carries the new mandatory UKCA mark.

For additional quality and assurance **has** also been certified and awarded the prestigious BSI Kitemark.



For more information on AquaDeck please visit website



Accessories



CODE:	NAME	DESCRIPTION
ECOM287CR	J Keys	Pack of two J keys to suit MultiFill range.
ECOM288CR	T Keys	Pack of two T keys to suit MultiFill range.
HD001	Heavy Duty Lifting Keys	Pack of two Heavy Duty Lifting Keys.
LDKEYS	Light Duty Lifting Keys	Pack of two Light Duty Lifting Keys.
LHHDKKEYS	Long Handle Heavy Duty Lifting Key.	Pack of two Long Handle Heavy Duty Lifting Keys
ADQBM	Bedding Mortar 25kg	Rapid setting bedding mortar designed for the reinstatement and installation of all types of ironwork, access covers and frames.
AQDAG	Barrel Gun	For quick and easy sealant application.
AQDSEAL	Sealant	600cc tube, provides a watertight seal between AquaDeck units.
SP3030	Sealing Plate	Sealing Plate to suit 300mm x 300mm clear opening covers and frames*
SP4545	Sealing Plate	Sealing Plate to suit 450mm x 450mm clear opening covers and frames*
SP6045	Sealing Plate	Sealing Plate to suit 600mm x 450mm clear opening covers and frames*
SP6060	Sealing Plate	Sealing Plate to suit 600mm x 600mm clear opening covers and frames*
SP6767	Sealing Plate	Sealing Plate to suit 675mm x 675 mm clear opening covers and frames*
SP7560	Sealing Plate	Sealing Plate to suit 750mm x 600mm clear opening covers and frames*
SP7575	Sealing Plate	Sealing Plate to suit 750mm x 750mm clear opening covers and frames*
SP9060	Sealing Plate	Sealing Plate to suit 900mm x 600mm clear opening covers and frames*
SP1200	Sealing Plate	Sealing Plate to suit 1200mm x 1200mm clear opening covers and frames*
SP 1220	Sealing Plate	Sealing Plate to suit 1220mm x 675mm clear opening covers and frames*

*Sealing Plates prevent the ingress of surface water and the egress of odours at normal atmospheric pressure. For areas subject to any pressures such as back pressure, please contact a member of our sales team for advice.

Sealing plates conforming to WIS 4-26-01 available for certain products - please refer to sales office for further details.

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Installation Guide

Visit our Install Page for instructions on how to reinstate an access cover.



Eccles (UK Foundries FE) Ltd is continually seeking to improve our products therefore we reserve the right to alter product specifications without prior notice. It is the responsibility of all users to ensure that the information in this guide is current. Installation details are available upon request. It is always recommended that the use of road plates be used where access covers, gully grates and frames are exposed to construction and site traffic during the construction phase of any project and in accordance with 'Annex F' EN124-1:2015.

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Intelligent Access & Drainage Solutions™



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