UTILITY PRODUCTS

UTILITY CASTINGS RANGE PRODUCT GUIDE











THOMAS DUDLEY

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UTILITY PRODUCTS

PRODUCT SPECIFICATION GUIDE

WELCOME

The new Thomas Dudley Utility Castings Range Product Specification Guide, has been designed to provide an easy to use overview and technical specifications for our products.

Thomas Dudley provides a comprehensive portfolio of castings and is able to call upon unrivalled expertise in design, development and manufacturing of cast iron drainage products.







THE THOMAS DUDLEY UTILITY PRODUCTS DIFFERENCE A UNIQUELY FLEXIBLE, PEOPLE DRIVEN ORGANISATION

Thomas Dudley Utility Products is part of Thomas Dudley Foundry Ltd, a UK foundry operating for over 100 years in the heart of the Black Country. Backed by the successful Thomas Dudley Group, we're able to call upon unrivalled expertise in the design, development & manufacture of castings.

- We are a family owned and managed business
- We have an experienced and award winning management team
- We invest heavily in the latest technology
- Exceptional quality control is employed throughout our business
- We take advantage of advanced processes to offer assured casting integrity
- Our products comply 100% with British Standards
- We provide a financially stable source of supply
- We have instilled a customer driven culture and approach
- Our foundry expertise allows us to work with our manufacturing partners to ensure our products meet the highest standards.

Get in touch with our dedicated specification team at:
utilitysales@thomasdudley.co.uk

bsi
Manholes Drainage and Gully Tops KITEMARK™ KM 833555
ISO 9001 Quality Management Systems CERTIFIED FM 00614
ISO 14001 Environmental Management Systems CERTIFIED EMS 72025
ISO 45001 Occupational Health & Safety Management CERTIFIED OHS 89327

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Thomas Dudley Utility Products Profile

At Thomas Dudley Utility Products, we're proud to be one of the UK's leading manufacturers of cast iron and steel utility products. From access covers and gratings to surface boxes and recessed trays, our extensive range is designed and engineered right here in the UK.

As part of the long-established Thomas Dudley Group, we bring over 100 years of design and manufacturing experience to every product we deliver.

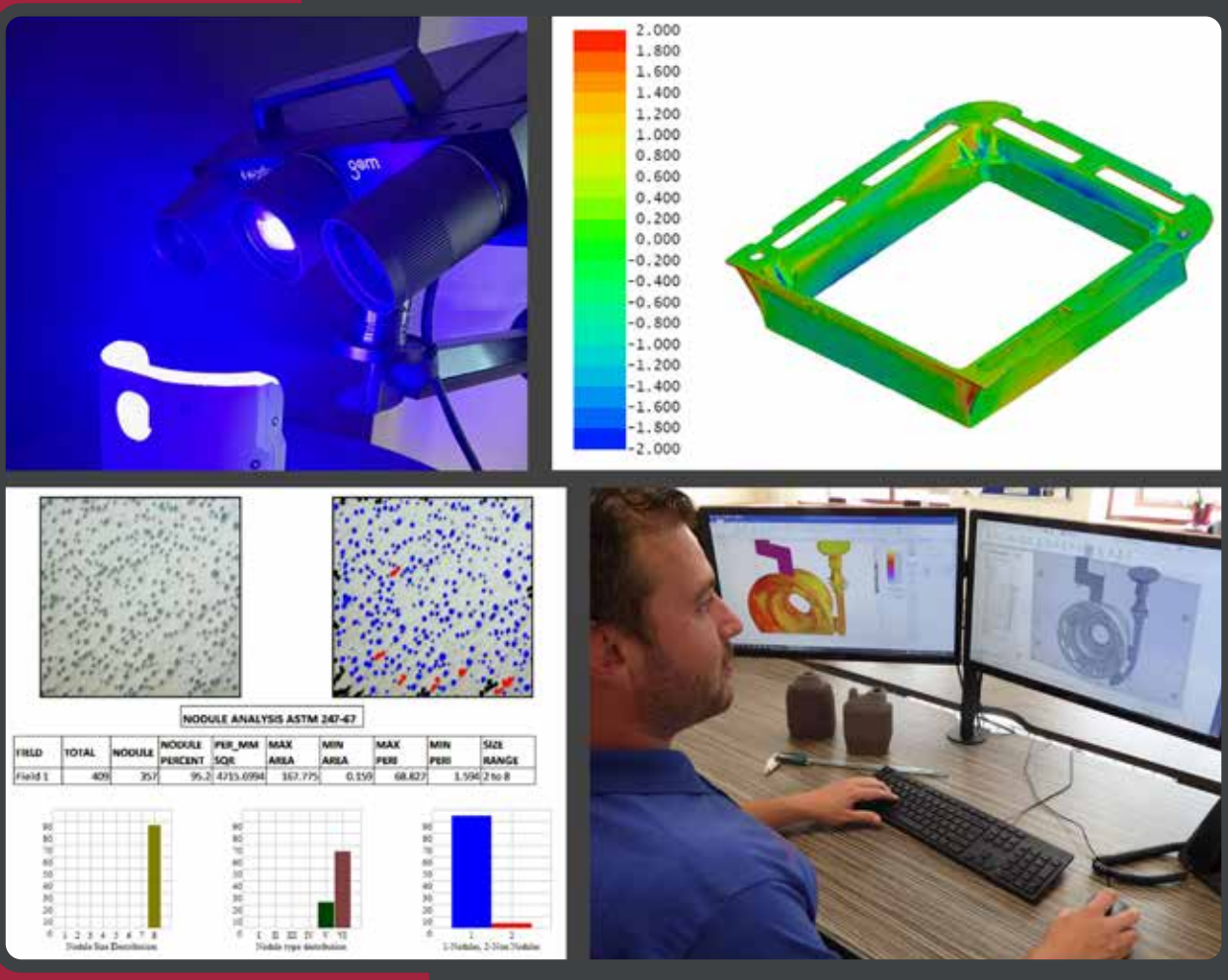
Operating from a 12-acre site in Dudley, our integrated facility includes:

- A 130,000 sq. ft. covered warehouse
- A dedicated quality suite with full EN124 load testing capabilities
- In-house 3D scanning and material testing
- Office space with a multi-room conference & training centre

Our advanced testing equipment applies forces up to 999kN, ensuring compliance with all EN124 load classes—plus an additional 10% for added assurance. Every product is tested with precision using digitally controlled systems and simulation software to meet the highest standards.

Load testing is just a small part of Thomas Dudley's quality suite additional facilities include 3D scanning to check and confirm dimensional accuracy, material micro-structure testing to ensure the material grade and structure is correct, metal flow simulation software and many other processes to guarantee our quality is second to none.

Our in-house design and technical team uses 3D CAD/CAM and FEA simulation tools to support the development of robust, high-performance castings.

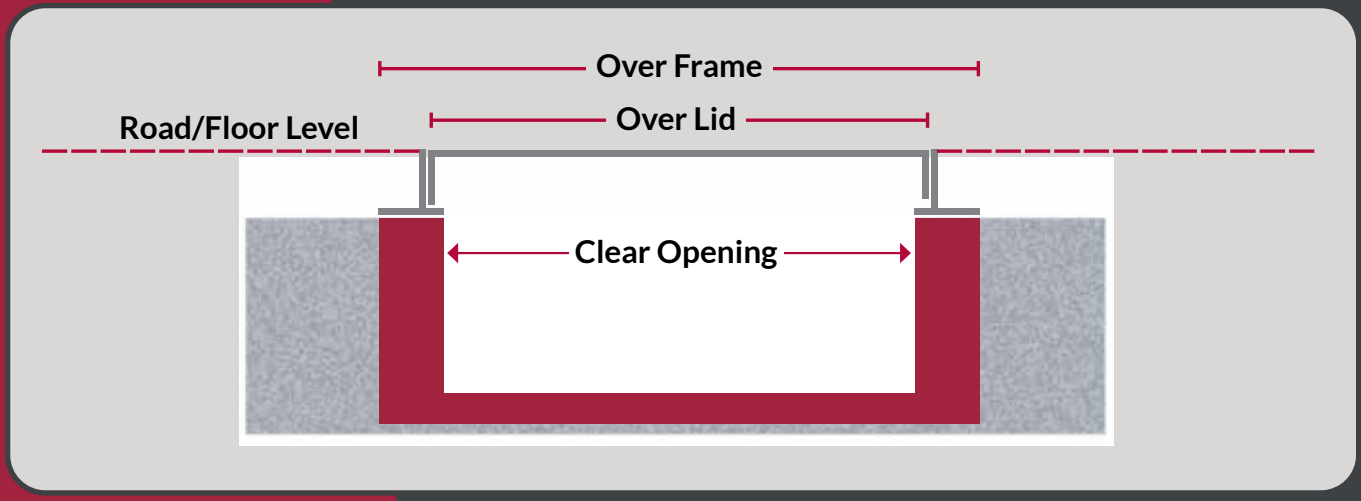


Finding The Right Product

Cover and frame designs vary between manufacturers and are frequently updated, making it difficult to replace a damaged or missing lid with one from another supplier. In most cases, finding a replacement lid that fits an existing frame can be challenging.

To ensure the correct product is selected, we work with the clear opening size. This refers to the dimensions of the opening that needs to be covered, such as the hole in a cover slab or the internal measurement of a brick or plastic chamber. While lid and frame dimensions may differ between manufacturers, the clear opening size remains the consistent and most important measurement.

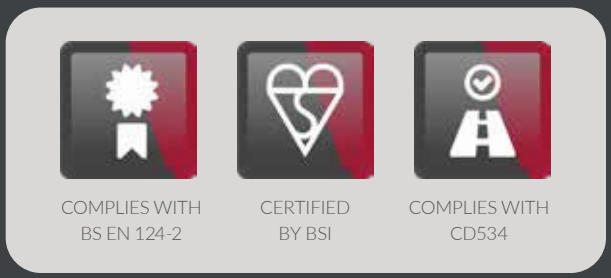
For gully grates, please provide the dimensions of the gully pot you intend to use so that we can recommend the correct size.



Standards & Load Classes

Three key external standards and certification schemes are commonly applied to utility castings. Together, they define requirements for product performance, load-bearing classification, quality assurance, and suitability for use within highway infrastructure:

- BS EN 124-2:2015
- BSI Kitemark Certification
- National Highways CD 534 and CD 526



EUROPEAN STANDARD BS EN 124-2:2015.

Access covers and gully grates installed in the UK should meet the requirements of the European Standard BS EN 124-2:2015.

This standard divides access covers and gully grates into a 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.

Standards & Load Classes

The table below explains how weight loadings work, however, if you are still unsure of what you need then please give us a call and we will be happy to talk through your requirements.



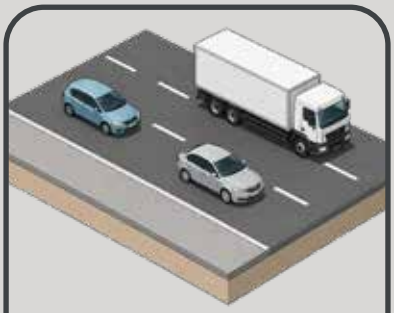
A15



B125



C250



D400



E600



F900

Group 1: Minimum Class A15
Access covers and gratings capable of withstanding a 15kN test load. For use in areas where only pedestrians have access.

Group 2: Minimum Class B125
Access covers and gratings capable of withstanding a 125kN test load. For use in car parks and pedestrian areas where only occasional vehicular access is likely.

Group 3: Minimum Class C250
Access covers and gratings capable of withstanding a 250kN test load. For use in car parks, forecourts, industrial sites and areas with slow moving traffic also in highway locations up to 500mm from the kerb and up to 200mm into the verge, excluding motorways.

Group 4: Minimum Class D400
Access covers and gratings capable of withstanding a 400kN test load. For use in areas where cars and lorries have access, including carriageways, hard shoulders and pedestrian areas.

Group 5: Minimum Class E600
Access covers and gratings capable of withstanding a 600kN test load. For use in areas where high wheel loads are imposed such as loading areas, docks or aircraft pavements.

Group 6: Minimum Class F900
Access covers and gratings capable of withstanding a 900kN test load. For use in areas where particularly high wheel loads are imposed such as aircraft pavements.

Standards & Load Classes

BSI KITEMARK CERTIFICATION

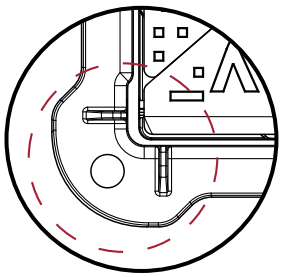
The BSI Kitemark certification applies to products up to 1000 mm clear opening (c/o), as specified in EN 124-2. For load testing, BSI requirements exceed those of BS EN 124-2 by 10%.

NATIONAL HIGHWAYS REGULATIONS CD534 (FORMALLY HA 104/09) & CD526

The Highways Authority provides additional guidelines for road chamber top and gully top installations in trunk roads and motorways. These more rigorous requirements are intended to meet the demands of heavily trafficked areas and high tonnage commercial vehicles. The requirements include:

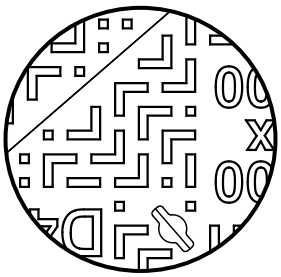
- E600 covers must be used when the average daily traffic flow of LGVs exceeds 1,500 in each direction.
- Minimum polished skid resistance value (PSRV) >60 in all high risk sites.
- 150mm frame depth and a minimum depth of insertion of 80mm.
- Minimum frame flange areas and frame weights.

Led by these regulations, Thomas Dudley not only has our CD534 range, which complies fully with the CD534 regulations, but all our covers and grates, rated D400 and above, have been designed with the following features, to ensure all our products are designed to a high specification -



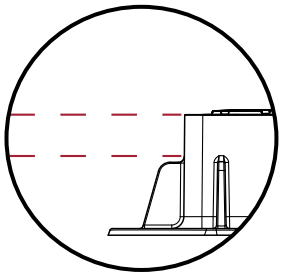
1

Increased bearing pressure of the frame.



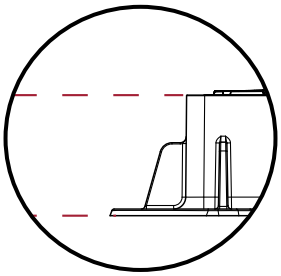
2

Anti-skid tread pattern provides skid resistance of 78 PSRV, suitable in high risk areas.



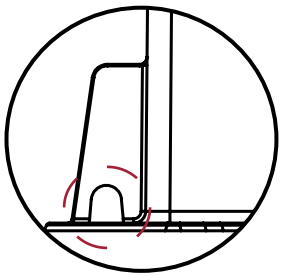
3

Gussets below the top of the frame by at least **25mm** and conform to BS7903.



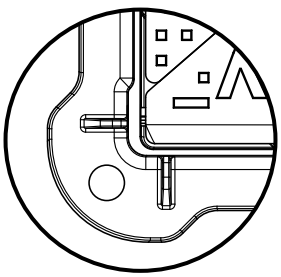
4

Frames fitted in trunk roads and motorways should be at least **150mm deep.**



5

Balanced lifting incorporated into frames which are heavier than **15Kg.**



6

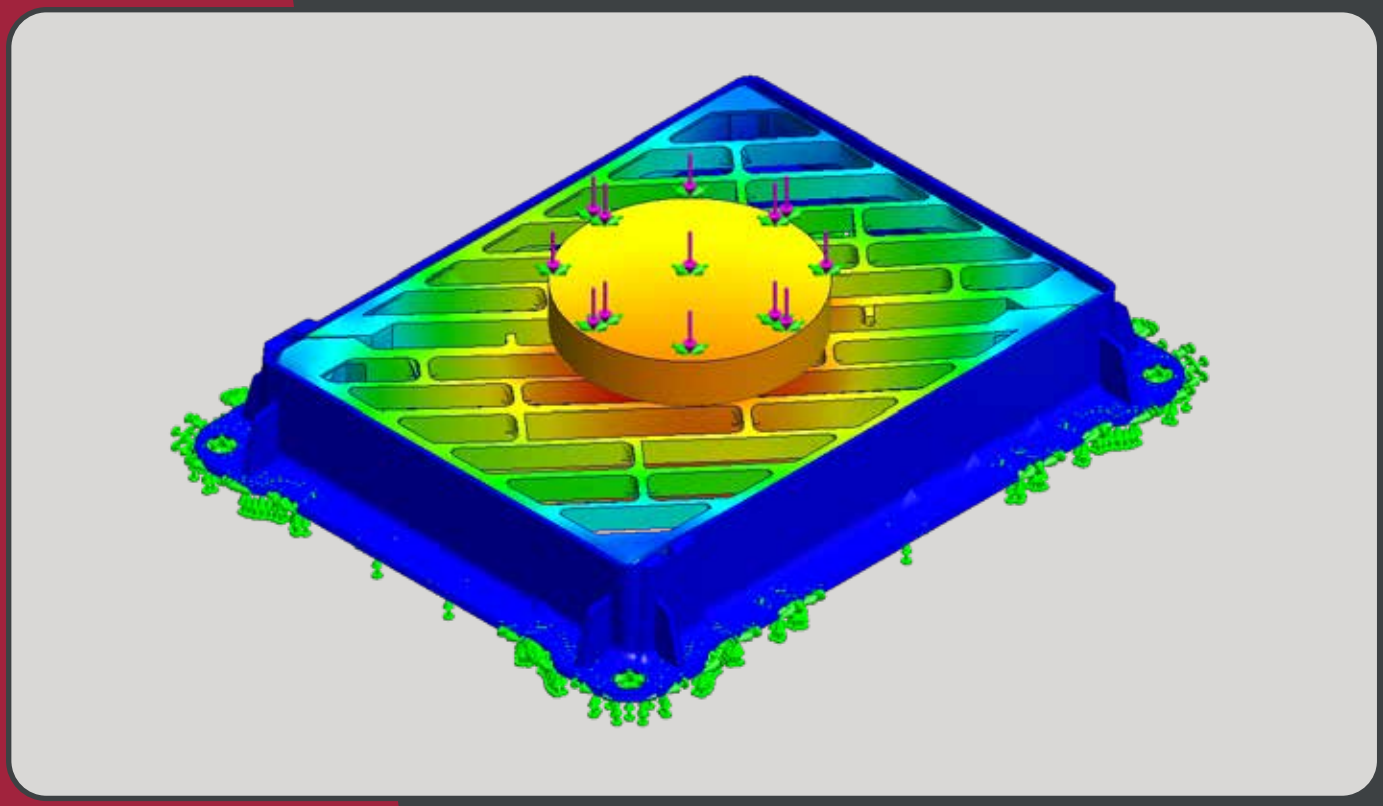
Frames allow for a higher level of mortar adhesion.

CD526 designates the spacing of road gullies and contains information on the design principles of gratings, including waterway areas, along with the calculations for designating a grating 'Type' which is used to calculate the maximum spacing between gullies, based on their size and hydraulic capacity. You can find the grating type for each applicable Thomas Dudley grating on the relevant product page.

Better By Design

Thomas Dudley utility castings are engineered to deliver assured quality and performance.

Our vastly experienced UK team has employed state-of-the-art design and development technology to produce a range of castings that incorporates a host of innovative features. Many of these features are patent protected and help to make castings quicker, easier and safer to install and use.



Innovative Casting Design and Engineering Expertise

Our industry-leading manhole covers, gratings and surface boxes have been engineered to reduce casting weight significantly without compromising strength, durability or long-term performance. By optimising material usage through intelligent design, we create lighter products that are easier to handle, transport and install while maintaining exceptional structural integrity.

At Thomas Dudley, our engineers focus on developing castings that not only fully comply with British Standards but exceed their performance requirements. Using advanced finite element analysis (FEA) and stress simulation software, we identify areas subjected to the highest loads in service and strategically strengthen these critical points. This enables us to maximise strength while eliminating unnecessary weight, delivering highly efficient and reliable products.

Our commitment to quality extends beyond design. We have implemented robust testing methodologies to validate performance and are proud to be the only UK foundry to undertake testing in accordance with BS EN 124-2. This provides customers with complete confidence that our products have been rigorously assessed under demanding conditions.

We also specialise in re-engineering existing customer castings and have successfully delivered weight, performance and cost-saving improvements for a number of high-profile clients. Existing products can be tested free of charge to assess compliance with British Standards, after which our engineering team can optimise designs to enhance performance, reduce material usage and lower overall manufacturing costs.

Load Testing

MARKET-LEADING CASTINGS THAT EXCEED EUROPEAN AND KM STANDARDS

At Thomas Dudley Utility Products we pride ourselves on offering the highest quality products that exceed the requirements of the standards. Part of this is routine load testing of all our products on our own in-house load test facility.

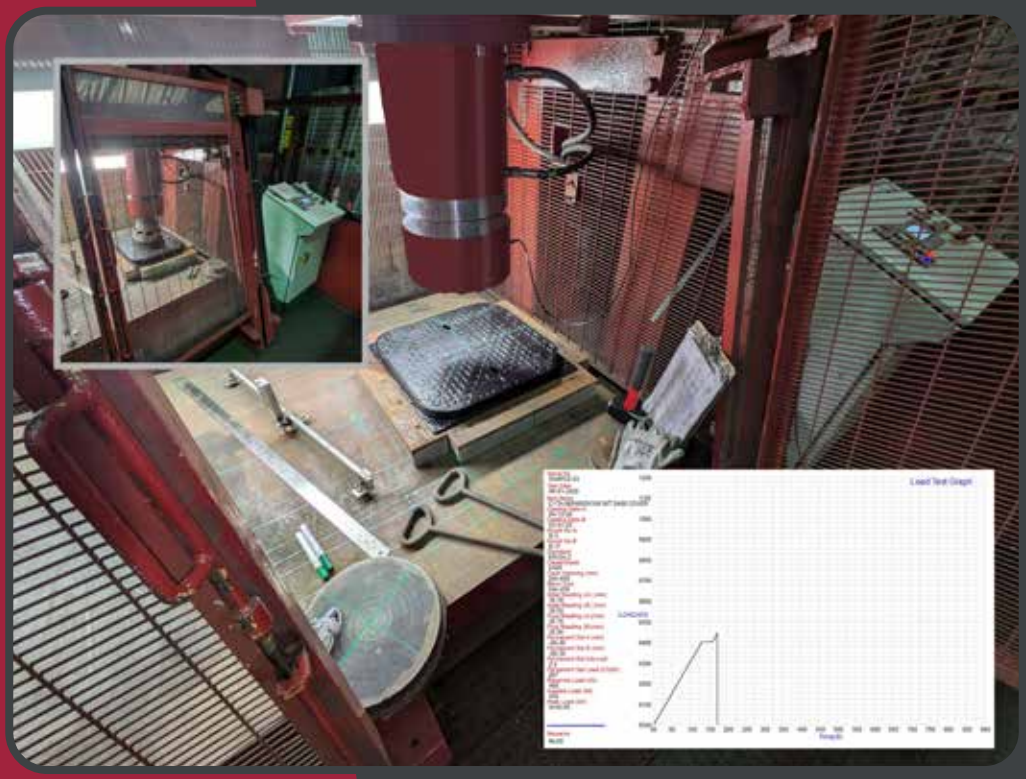
Our test facility is capable of applying forces up to 999kN, allowing us to test to all EN124 load classes, plus an additional 10% for some extra peace of mind. The digitally controlled hydraulic cylinder enables an accurate and consistent application of the load as required by the standards, with a direct computer link feeding the right program for each product requirement.

Having our own test facility allows us to check our products in-house as well as at the source of manufacture and our stringent quality standards ensure maintenance, regular calibration and all the relevant health and safety requirements are met, all of which are critical to achieving accurate results.

With poor quality products in the market, it's hard to know whether the ones you're buying really do what they say they do. At Thomas Dudley, we are so confident in the quality, consistency, and compliance of our manhole covers and frames that we are proud to offer:

- Open invitation — visit our site and witness testing of any stock product you select
- Free testing — we will also test any competitor product you wish to bring — at no charge to you
- Free replacement guarantee — as testing is destructive, we will always supply a free replacement from our stock for any Thomas Dudley product tested — delivered direct to your site.

This is a clear and open demonstration of our confidence — we have absolutely no doubts about the quality and compliance of our current stock, and we welcome you to see this for yourself.



Despatch & Delivery

At Thomas Dudley Utility Products, our 12-acre site in Dudley includes a huge 130,000 sq. ft. covered warehouse.

Our dedicated warehousing and logistics operation is built around speed, reliability and complete visibility. Orders placed before 3pm are dispatched the same day, with next-day delivery available on request. We also offer an industry-leading 5–7 working day turnaround on all special options, including badging, locking and sealing.

Customers benefit from full delivery tracking, progress updates throughout transit and rapid Proof of Delivery (POD) documentation. Packing and delivery photographs can also be provided on request for added peace of mind.

To support projects of all sizes, we offer full load pick-and-run services, free tail-lift offloading on request, and a range of vehicle options including FORS-accredited fleets, 3.5-tonne vehicles and Transit vans, subject to availability. Whatever your delivery requirements, our team is committed to providing a fast, flexible and dependable service.







Sustainability - Our Journey to Net-Zero



The Thomas Dudley Group, is committed to greener manufacturing. Our goal is to de-carbonise by 2040, becoming a net-zero company by encouraging and implementing low and zero carbon strategies within our operations.

We have developed a net zero carbon strategy and are introducing multiple carbon reduction strategies throughout our operations. This has led to targeted energy consumption analysis, tracking where non-productive energy is being consumed and the introduction of local monitoring on all our plant and equipment. We have collected and collated our emission data from the whole of our value chain and are on track to steadily reduce our in-house carbon emissions and achieve our net zero carbon targets, and will be able to become net zero by our target year.

The Thomas Dudley Groups mission is to lead the way in managing a sustainable group, ensuring all their companies are doing all they can to reduce their impact on the environment with the aim of providing sustainable solutions for all our clients, no matter the project. Thomas Dudley Group has long held the vision of an efficient and sustainable future with the aim of further increasing the levels of sustainability to reach the net zero goal. It is the business mission to be there to encourage and support low and zero carbon strategies within the company, guiding them to its Zero Carbon Goal.

Thomas Dudley Group have developed and introduced its own Energy policy, to help further establish commitments to de-carbonisation.

Our journey to net-zero is one that is planned to be achieved by 2040 and we have begun to make drastic changes to our company and its policies. We are currently investing in new technologies and plant equipment that are designed to reduce our overall emissions and energy consumption.

Thomas Dudley Utility Products and the Thomas Dudley Group are committed to doing all we can to take action to reduce our carbon emission.

Understanding Common Post-Installation Issues with Ironwork

Manhole covers and frames are critical components of utility infrastructure, providing access while ensuring safety and durability. However, even with high-quality products like those from Thomas Dudley Utility Products, post-installation issues can arise. Understanding these problems and their root causes is essential for contractors, engineers, and maintenance teams to ensure long-term performance and safety.

1. Rocking or Unstable Covers

Problem:

One of the most frequent complaints is that manhole covers begin to rock or shift under traffic loads, creating noise and potential safety hazards.

Main Causes:

- Poor Bedding: Inadequate or uneven mortar bedding during installation can lead to instability.
- Frame Distortion: If the frame is not level or becomes distorted during installation, the cover will not seat properly.
- Traffic Load Stress: Repeated heavy traffic, especially from HGVs, can cause wear and deformation over time.

Solutions:

- Use high-strength bedding materials and ensure even application.
- Ensure all installation materials are fully cured before opening the road to traffic.
- Employ precision levelling tools during installation.
- Follow Thomas Dudley's installation guidelines meticulously.





2. Premature Wear

Problem:

Covers and frames may show signs of wear earlier than expected, compromising structural integrity and creating instability between cover and frame.

Main Causes:

- Worn Seating Surfaces: The contact surfaces between the cover and frame degrade due to excessive clearances between the cover and frame.
- Inferior materials used.

Solutions:

- Thomas Dudley ensure all our products have minimal clearances between cover and frame, this prevents premature wear of the seating faces.
- Thomas Dudley's foundry background and metallurgy knowledge ensures all of our products are made to the highest material quality standards.



3. Frame Settlement and Misalignment

Problem:

Frames may settle unevenly or become misaligned, leading to gaps, rocking, or cover displacement.

Main Causes:

- Sub-grade Instability: Poor soil compaction or unsuitable backfill materials.
- Improper Installation Techniques: Skipping steps or rushing the process lead to long-term issues.

Solutions:

- Conduct thorough site assessments and soil testing.
- Use reinforced concrete surrounds and proper compaction techniques.
- Follow Thomas Dudley's installation guidelines meticulously.

Conclusion

While manhole cover and frame issues are common, most are preventable with proper planning, material selection, and installation practices. Thomas Dudley Utility Products offers a range of solutions designed to mitigate these problems, from anti-rock features to minimal clearances made possible by advanced manufacturing processes. By understanding the causes and implementing best practices, infrastructure teams can ensure safe, durable, and quiet access points for years to come.

Thomas Dudley Key Features



Design or Product feature



Load Class to EN124 or BS5834



3 point contact - provides stability for covers



Fully CD534 compliant



Patented interference hinge for gratings and lift out hinge for covers, providing superior stability, quiet and safer operation



Recess depth of recessed iron or steel covers



Larger grating waterway area



Locking option available (either bolt or turnbuckle lock)



Pedestrian/Heel safe grating design



Slip resistant tread pattern (standard tread 78PSRV)



Complies with relevant standards

Patented Lift Out Hinge





FULLY OPEN TO 135° FOR SAFE ACCESS



OPEN COVER TO 90°

BENEFITS

- Patented unique design features; Vertical drop-in covers providing 135° hinging giving superior site safety and one man operation for the majority of sizes
- Option to remove covers completely provides additional safety for man entry requirements



LIFT TO REMOVE

GRATINGS & FRAMES

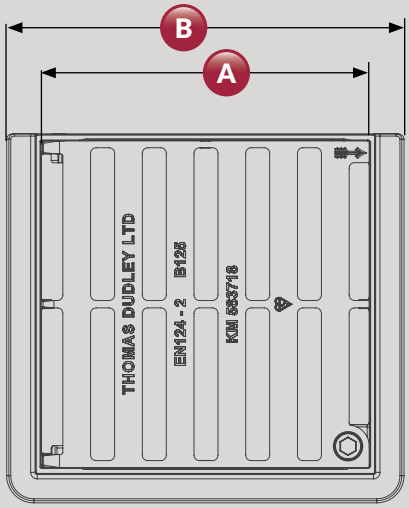


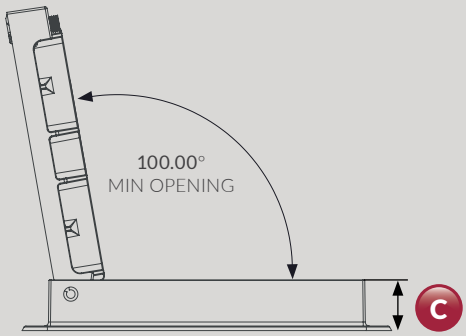
FEATURES INCLUDED IN THE RANGE

- COMPLIES WITH BS EN 124-2
- CERTIFIED BY BSI
- INTERFERENCE HINGE
- LOCK & NON-LOCK VERSIONS

B125KM DUCTILE IRON HINGED GULLY GRATING & FRAME







KEY FEATURES

- COMPLIES WITH BS EN 124-2
- INTERFERENCE HINGE
- LOAD RATED TO B125
- SECURE, TAMPER-PROOF LOCK & NON-LOCK VERSIONS

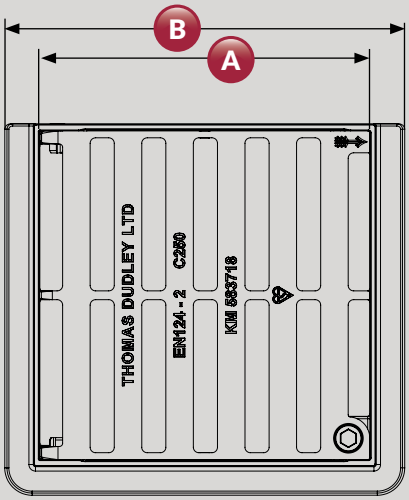
BENEFITS

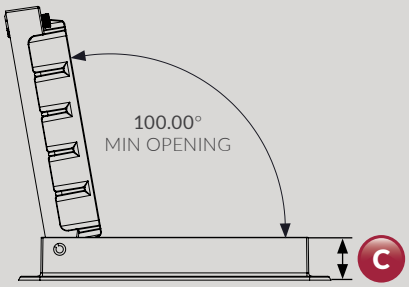
- Complies fully with BS EN 124-2:2015 Standard - suitable for intensity of traffic in Class B125 applications
- Engineered from quality assured ductile iron
- Tight fit, non rattle interference hinge
- Secure, tamper-proof lock and non-lock versions

CLEAR OPENING (A) MM	OVER FRAME (B) MM	CD526 GRATING TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	STYLE	UN-LOCKED CODE	LOCKED CODE
225 x 225	290 x 264	N/A	3 - SIDE	50	242CM²	FLAT	333009	334558
225 x 225	290 x 264	N/A	3 - SIDE	50	244CM²	DISHED	332131	334559
300 x 300	365 x 339	TYPE T	3 - SIDE	50	400CM²	FLAT	333615	334560
300 x 300	365 x 339	TYPE T	3 - SIDE	50	402CM²	DISHED	332133	334561

C250KM DUCTILE IRON HINGED GULLY GRATING & FRAME







KEY FEATURES

- COMPLIES WITH BS EN 124-2
- INTERFERENCE HINGE
- LOAD RATED TO C250
- SECURE, TAMPER-PROOF LOCK & NON-LOCK VERSIONS

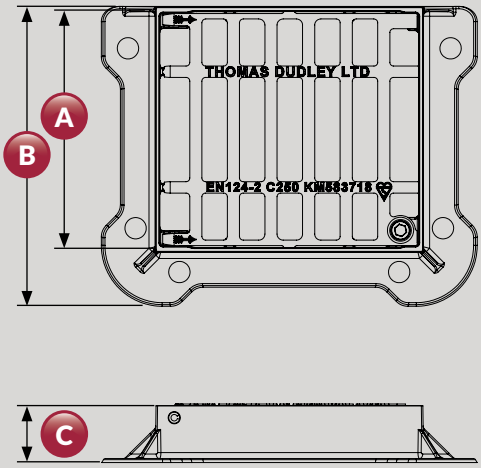
BENEFITS

- Complies fully with BS EN 124-2:2015 Standard- suitable for intensity of traffic in Class C250 applications
- Engineered from quality assured ductile iron
- Tight fit, non rattle interference hinge
- Secure, tamper-proof lock and non-lock versions

CLEAR OPENING (A) MM	OVER FRAME (B) MM	CD526 GRATING TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	STYLE	UN-LOCKED CODE	LOCKED CODE
225 x 225	290 x 264	N/A	3 - SIDE	50	239CM²	FLAT	333613	334562
225 x 225	290 x 264	N/A	3 - SIDE	50	236CM²	DISHED	333611	334563
300 x 300	365 x 339	TYPE T	3 - SIDE	50	403CM²	FLAT	333584	334564
300 x 300	365 x 339	TYPE T	3 - SIDE	50	399CM²	DISHED	332798	334565

C250KM DUCTILE IRON HINGED GULLY GRATING & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- INTERFERENCE HINGE
- LOAD RATED TO C250
- SECURE, TAMPER-PROOF LOCK & NON-LOCK VERSIONS

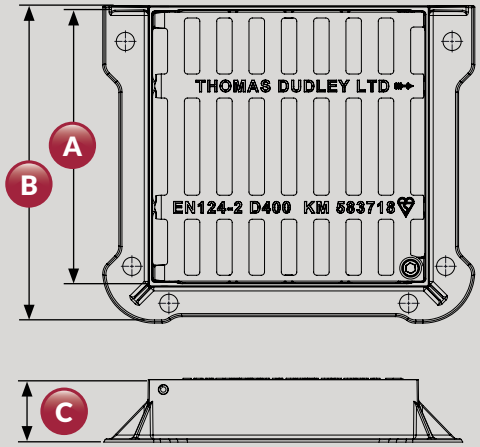
BENEFITS

- Complies fully with BS EN 124-2:2015 Standard- suitable for intensity of traffic in Class C250 applications
- Engineered from quality assured ductile iron
- Tight fit, non rattle interference hinge
- Secure, tamper-proof lock and non-lock versions

CLEAR OPENING (A) MM	OVER FRAME (B) MM	TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	CD526 GRATING TYPE	STYLE	UN-LOCKED CODE	LOCKED CODE
340 x 310	494 x 394	GRATE & FRAME	3 - SIDE	75	602CM²	Type T	FLAT	373681	374684

D400KM DUCTILE IRON HINGED GULLY GRATING & FRAME





KEY FEATURES

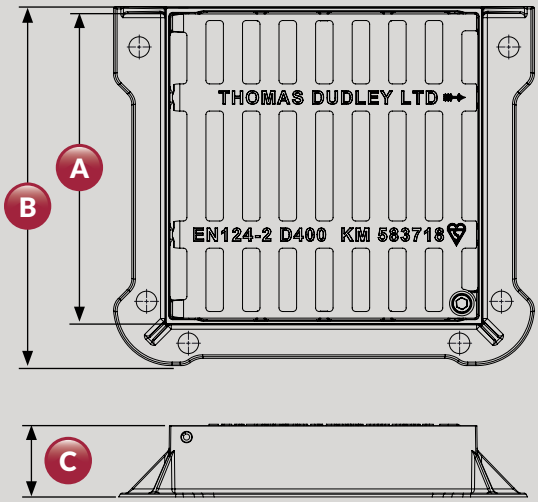
- COMPLIES WITH BS EN 124-2
- INTERFERENCE HINGE
- LOAD RATED TO D400
- SECURE, TAMPER-PROOF LOCK & NON-LOCK VERSIONS

BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class D400 applications
- Engineered from quality assured ductile iron
- All tight fit, non rattle interference hinged as standard
- Available with secure, tamper-proof lock and non-lock options

CLEAR OPENING (A) MM	OVER FRAME (B) MM	TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	CD526 GRATING TYPE	STYLE	UN-LOCKED CODE	LOCKED CODE
365 x 310	519 x 395	GRATE & FRAME	3 - SIDE	100	400CM²	TYPE T	FLAT	373682	374682
390 x 315	540 x 466	GRATE & FRAME	4 - SIDE	100	730CM²	TYPE S	FLAT	378904	379613
390 x 315	540 x 466	GRATE & FRAME	4 - SIDE	100	740CM²	TYPE S	DISHED	378905	379614

D400KM DUCTILE IRON HINGED GULLY GRATING & FRAME



ADDITIONAL OPTIONS



INCREASED WATERWAY

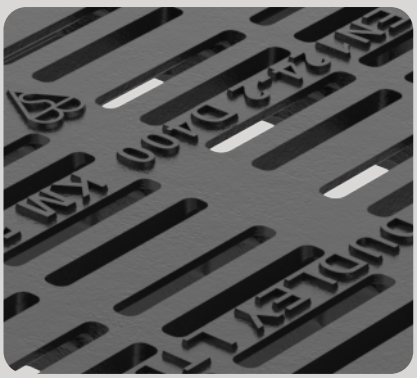


PEDESTRIAN MESH



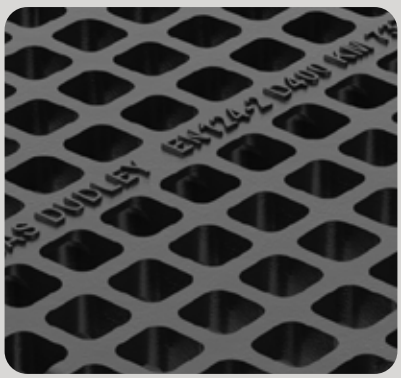
CYCLE FRIENDLY

CLEAR OPENING (A) MM	OVER FRAME (B) MM	TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	CD526 GRATING TYPE	STYLE	UNLOCKED CODE	LOCKED CODE
420 x 420	574 x 490	GRATE & FRAME	3 - SIDE	100	900CM²	TYPE S	FLAT	330826	375546
420 x 420	574 x 490	GRATE & FRAME	3 - SIDE	150	900CM²	TYPE S	FLAT	373601	375071
420 x 420	574 x 490	PEDESTRIAN MESH	3 - SIDE	100	517CM²	TYPE T	FLAT	374284	379220
420 x 420	574 x 490	PEDESTRIAN MESH	3 - SIDE	150	517CM²	TYPE T	FLAT	374471	376308
420 x 420	574 x 490	INCREASED WATERWAY	3 - SIDE	100	1243CM²	TYPE R	FLAT	378906	379615
420 x 420	574 x 490	INCREASED WATERWAY	3 - SIDE	150	1243CM²	TYPE R	FLAT	379218	379616
430 x 370	574 x 505	GRATE & FRAME	3 - SIDE	100	815CM²	TYPE S	FLAT	373683	374766
430 x 370	574 x 505	GRATE & FRAME	3 - SIDE	150	815CM²	TYPE S	FLAT	375810	379617
430 x 370	574 x 505	PEDESTRIAN MESH	3 - SIDE	100	500CM²	TYPE T	FLAT	375490	375798
430 x 370	574 x 505	PEDESTRIAN MESH	3 - SIDE	150	500CM²	TYPE T	FLAT	375812	379618
450 x 450	604 x 534	INCREASED WATERWAY	3 - SIDE	100	1430CM²	TYPE R	FLAT	379600	379619
450 x 450	604 x 534	CYCLE FRIENDLY	3 - SIDE	100	1030CM²	TYPE R	FLAT	379610	379621



PEDESTRIAN MESH

Slim slots for heel-safe pedestrian areas.



CYCLE FRIENDLY

Square holes to prevent cycle tyre hazards

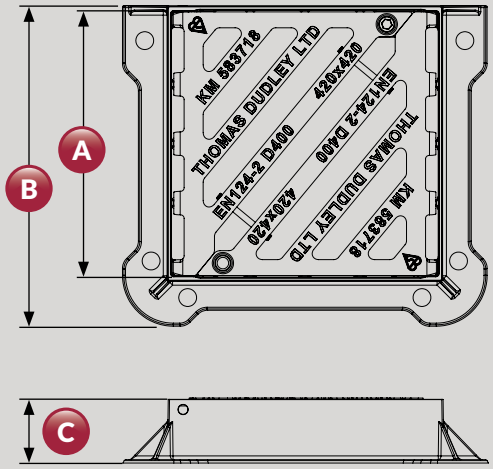


INCREASED WATERWAY

Higher waterway area for quicker drainage

D400KM DUCTILE IRON HINGED DOUBLE TRIANGULAR GULLY GRATING & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- PATENTED HINGE
- LOAD RATED TO D400
- 3 POINT CONTACT

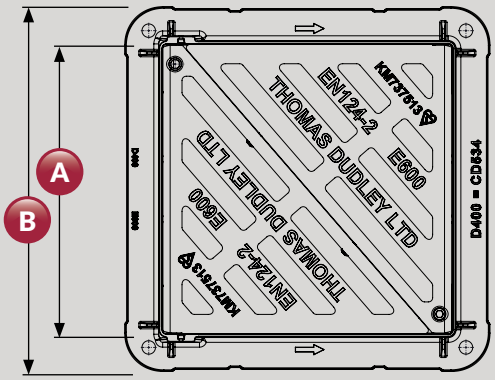
BENEFITS

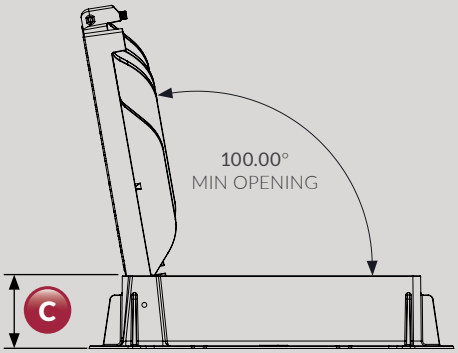
- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class D400 applications
- Engineered from quality assured ductile iron
- All tight fit, non rattle interference hinged as standard
- Available with secure, tamper-proof lock and non-lock options
- Increased waterway available
- Lift out covers for 600 x 600 and above, providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	CD526 GRATING TYPE	STYLE	UN-LOCKED CODE	LOCKED CODE
420 x 420	590 x 460	GRATE & FRAME	3 - SIDE	100	716CM²	TYPE S	FLAT	330828	333692
450 x 450	604 x 535	GRATE & FRAME	3 - SIDE	100	900CM²	TYPE R	FLAT	373654	379188
450 x 450	604 x 535	GRATE & FRAME	3 - SIDE	150	900CM²	TYPE R	FLAT	373776	374316
600 x 600	754 x 695	INCREASED WATERWAY	3 - SIDE	100	2500CM²	TYPE P	FLAT	N/A	376570
600 x 600	754 x 754	INCREASED WATERWAY	4 - SIDE	100	2500CM²	TYPE P	FLAT	N/A	333018
600 x 600	754 x 754	INCREASED WATERWAY	4 - SIDE	150	2500CM²	TYPE P	FLAT	N/A	334575

E600KM DUCTILE IRON HINGED DOUBLE TRIANGULAR GULLY GRATING & FRAME







KEY FEATURES

- COMPLIES WITH BS EN 124-2
- PATENTED HINGE
- LOAD RATED TO E600
- 3 POINT CONTACT

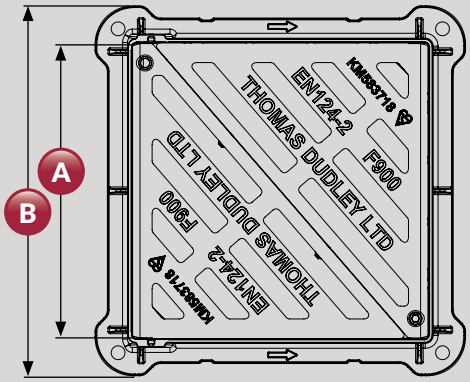
BENEFITS

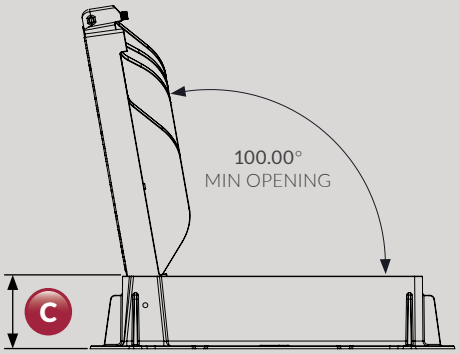
- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class E600 applications
- Engineered from quality assured ductile iron
- 450sq - Tight fit, non rattle interference hinge
- Available with secure, tamper-proof lock and non-lock options
- 600sq - Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	CD526 GRATING TYPE	STYLE	UNLOCKED CODE	LOCKED CODE
600 x 600	754 x 754	GRATE & FRAME	4 - SIDE	150	1048CM²	TYPE R	FLAT	N/A	334326
450 x 450	630 x 630	GRATE & FRAME	4 - SIDE	150	724CM²	TYPE S	FLAT	372077	379620

F900KM DUCTILE IRON HINGED DOUBLE TRIANGULAR GULLY GRATING & FRAME







KEY FEATURES

- COMPLIES WITH BS EN 124-2
- PATENTED HINGE
- LOAD RATED TO F900
- 3 POINT CONTACT

BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class F900 applications
- Engineered from quality assured ductile iron
- 450sq - Tight fit, non rattle interference hinge
- Available with secure, tamper-proof lock and non-lock options
- 600sq - Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	TYPE	FLANGE DESIGN	DEPTH (C) MM	WATERWAY	CD526 GRATING TYPE	STYLE	UNLOCKED CODE	LOCKED CODE
600 x 600	754 x 754	GRATE & FRAME	4 - SIDE	150	1048CM²	TYPE R	FLAT	N/A	334327
450 x 450	630 x 630	GRATE & FRAME	4 - SIDE	150	724CM²	TYPE S	FLAT	372078	374911

SINGLE PIECE / SOLID TOP COVERS AND FRAMES



FEATURES INCLUDED IN THE RANGE

COMPLIES WITH BS EN 124-2

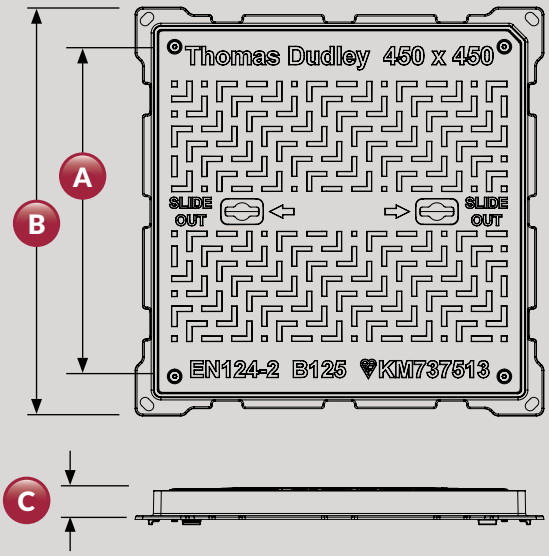
CERTIFIED BY BSI

SLIP RESISTANT

SNAP LOCK FEATURE

B125KM DUCTILE IRON SOLID TOP COVER & FRAME





KEY FEATURES

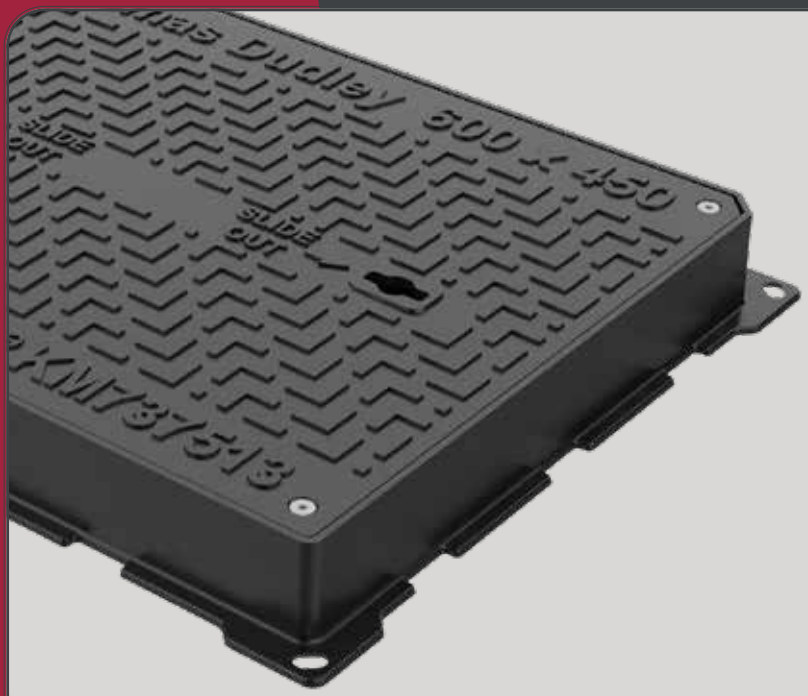
- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO B125
- KITEMARKED

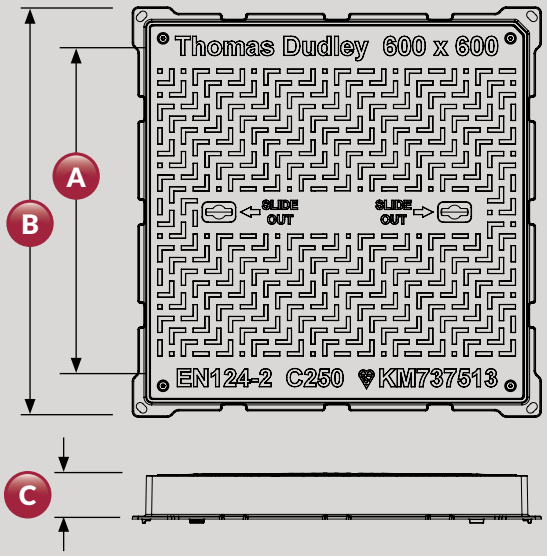
BENEFITS

- Complies fully with BS EN 124-2:2015
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley tread pattern
- Single Grease Seal
- Optional Locking

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
300 x 300	368 x 368	40	378907
320 DIA	410 DIA	50	334390
450 x 450	518 x 518	40	378908
450 DIA	550 DIA	40	373655
600 x 450	662 x 512	40	378909
600 x 600	668 x 668	40	378910
600 DIA	700 x 700	75	330944
675 x 675	737 x 737	40	378911
750 x 600	818 x 668	40	330939
750 x 750	811 x 811	40	330936
900 x 600	968 x 668	40	330938
900 x 900	968 x 968	40	330937
1200 x 1200	1296x1296	50	378912
1220 x 675	1307x762	50	374894

C250KM DUCTILE IRON SOLID TOP COVER & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO C250
- KITEMARKED

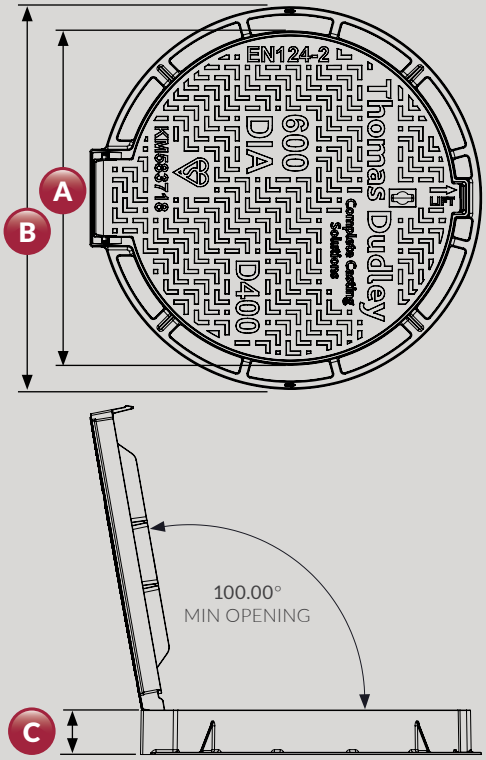
BENEFITS

- Complies fully with BS EN 124-2:2015
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley tread pattern
- Slide Out Cover
- Single Grease Seal
- Optional Locking
- Optional EPDM Seal

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
450 x 450	518 x 518	75	379597
600 x 450	662 x 512	75	379598
600 x 600	668 x 668	75	379599

D400KM HINGED DUCTILE IRON COVER & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO D400
- KITEMARKED
- SNAPLOCK

BENEFITS

- Complies fully with BS EN 124-2:2015 Standard - suitable for intensity of traffic in Class D400 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley heavy duty drain covers tread pattern
- One piece Gripfix lid
- Snap-lock feature for added security
- Lift out covers for 600 dia, providing 135° hinging giving superior site safety and one man operation
- Full 360° seal for 600 dia

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	SNAP LOCK	CODE
600 dia Circular Flange	768 x 750	100	✔	370717
600 dia Square Flange	767 x 682	100	✔	333015

DOUBLE TRIANGULAR COVERS & FRAMES

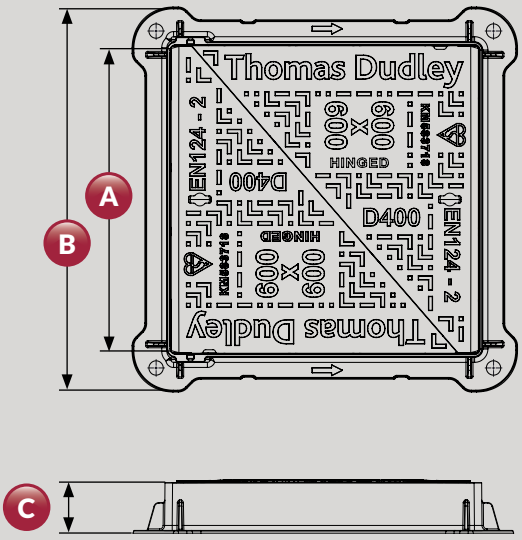


FEATURES INCLUDED IN THE RANGE

- COMPLIES WITH BS EN 124-2
- CERTIFIED BY BSI
- SLIP RESISTANT
- CD534

D400KM DUCTILE IRON HINGED DOUBLE TRIANGULAR COVER & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO D400
- KITEMARKED
- PATENTED LIFT OUT HINGE

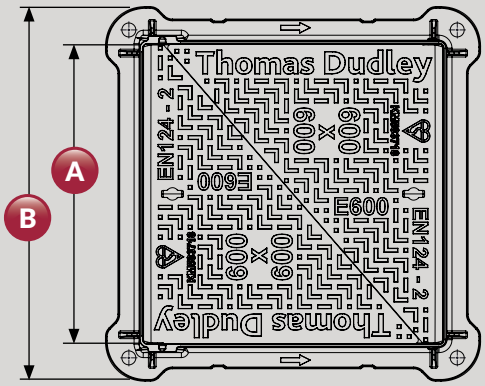
BENEFITS

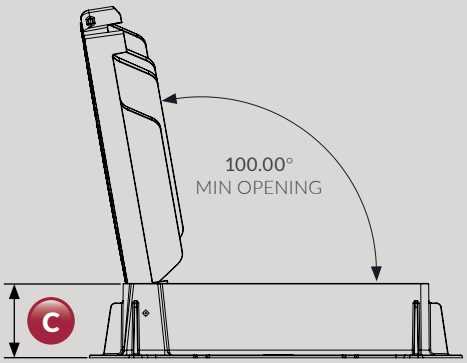
- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class D400 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley heavy duty drain covers tread pattern
- Hinged as standard
- Hinged double triangular non-rock cover complying to one man lift manual handling regulations
- Lift out covers providing 135° hinging, giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
450 x 450	600 x 600	100	373656
600 x 450	750 x 600	100	330987
600 x 600	750 x 750	100	330823
600 x 600	750 x 750	150	330926
675 x 675	825 x 825	100	330927
675 x 675	825 x 825	150	330928
750 x 600	904 x 753	100	330940
750 x 600	915 x 764	150	379665
750 x 750	900 x 900	100	330929
750 x 750	900 x 900	150	376697
900 x 600	1054 x 753	100	330941
900 x 600	1060 x 760	150	379666
900 x 900	1050 x 1050	100	330930
900 x 900	1050 x 1050	150	376698

E600KM DUCTILE IRON HINGED DOUBLE TRIANGULAR COVER & FRAME







KEY FEATURES

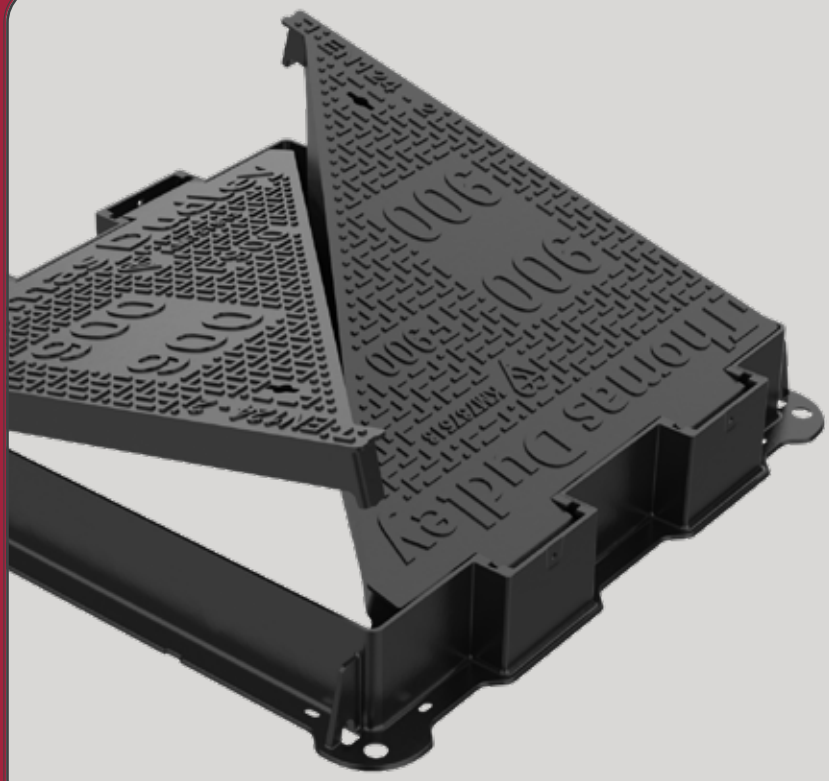
- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO E600
- KITEMARKED
- PATENTED LIFT OUT HINGE

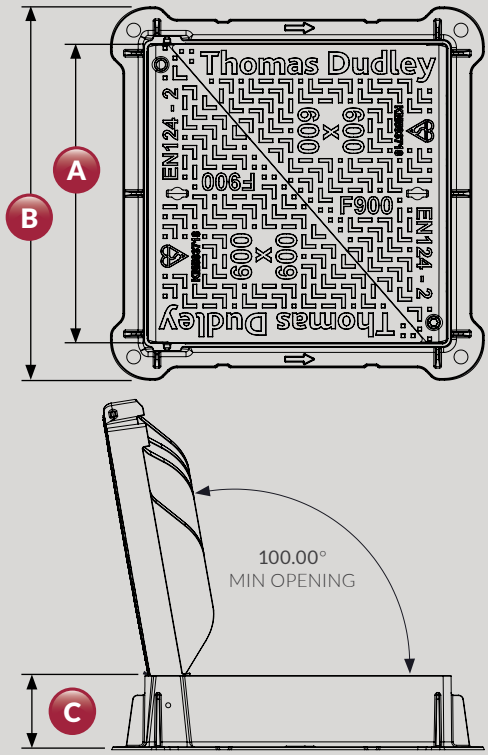
BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class E600 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley tread pattern
- Hinged Double triangular non-rock cover complying to one man lift manual handling regulations
- Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
450 x 450	600 x 600	150	334401
600 x 600	750 x 750	150	334324
675 x 675	830 x 830	150	334325

F900KM DUCTILE IRON HINGED DOUBLE TRIANGULAR COVER & FRAME





KEY FEATURES

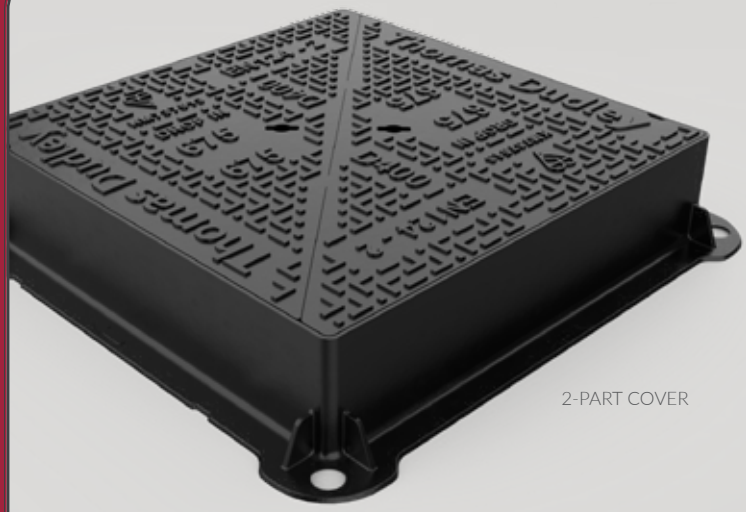
- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO F900
- KITEMARKED
- PATENTED LIFT OUT HINGE

BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class F900 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley heavy duty tread pattern
- Hinged Double triangular non-rock cover complying to one man lift manual handling regulations
- Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
450 x 450	600 x 600	150	334402
600 x 600	700 x 750	150	334275
675 x 675	830 x 830	150	334323
900 x 900	1054 x 1051	150	334828

D400KM DUCTILE IRON DROP-IN DOUBLE TRIANGULAR COVER/GRATE & FRAME



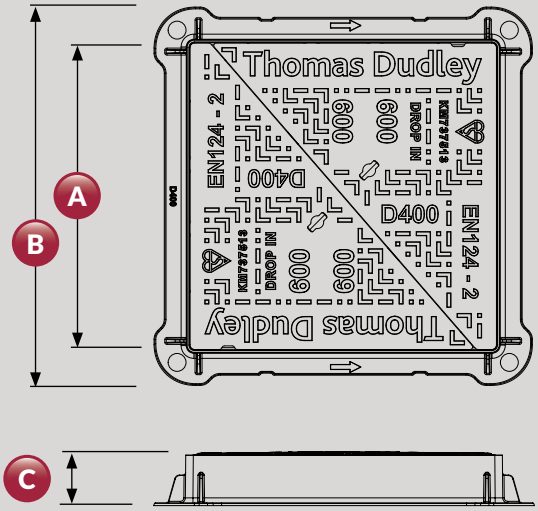
2-PART COVER



4-PART COVER



4-PART GRATE



KEY FEATURES

- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO D400
- KITEMARKED
- 3 POINT CONTACT

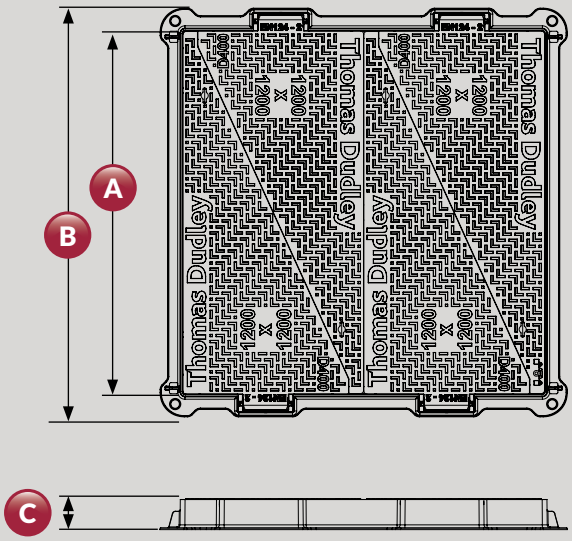
BENEFITS

- Complies with BS EN 124-2:2015 - suitable for intensity of traffic in Class D400 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley heavy duty tread pattern
- Drop-in, loose coupled, double triangular covers/grates
- Non-rock cover/grate

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	COVER OR GRATE	CODE
450 x 450	574 x 574	100	2 PART COVER	376691
450 x 450	574 x 574	150	2 PART COVER	376693
600 x 600	740 x 740	100	2 PART COVER	334623
600 x 600	740 x 740	150	2 PART COVER	334619
675 x 675	815 x 815	100	2 PART COVER	334625
675 x 675	815 x 815	150	2 PART COVER	334621
1220 x 675	1370 x 830	100	4 PART COVER	373775
1220 x 675	1370 x 830	150	4 PART COVER	372034
1220 x 675	1370 x 830	150	4 PART GRATE - 5140cm² WATERWAY	372035

D400KM DUCTILE IRON HINGED MULTI-PART TRIANGULAR COVER & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO D400
- KITEMARKED
- PATENTED LIFT OUT HINGE

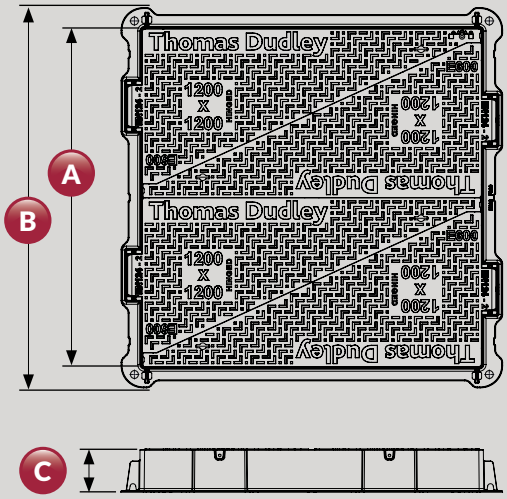
BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class D400 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley tread pattern
- Hinged Double triangular non-rock cover
- Sequential opening with single locking point as standard
- Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
900 x 600	1050 x 755	100	375109
900 x 600	1050 x 755	150	375443
1000 x 1000	1150 x 1150	100	330931
1200 x 900	1350 x 1050	100	330932
1200 x 1200	1350 x 1350	100	330933
1220 x 675	1370 x 825	100	330942
1220 x 675	1370 x 825	150	330943
1200 x 750	1350 x 902	100	372757
1500 x 1500	1655 x 1650	100	378658

E600KM DUCTILE IRON HINGED MULTI-PART TRIANGULAR COVER & FRAME





KEY FEATURES

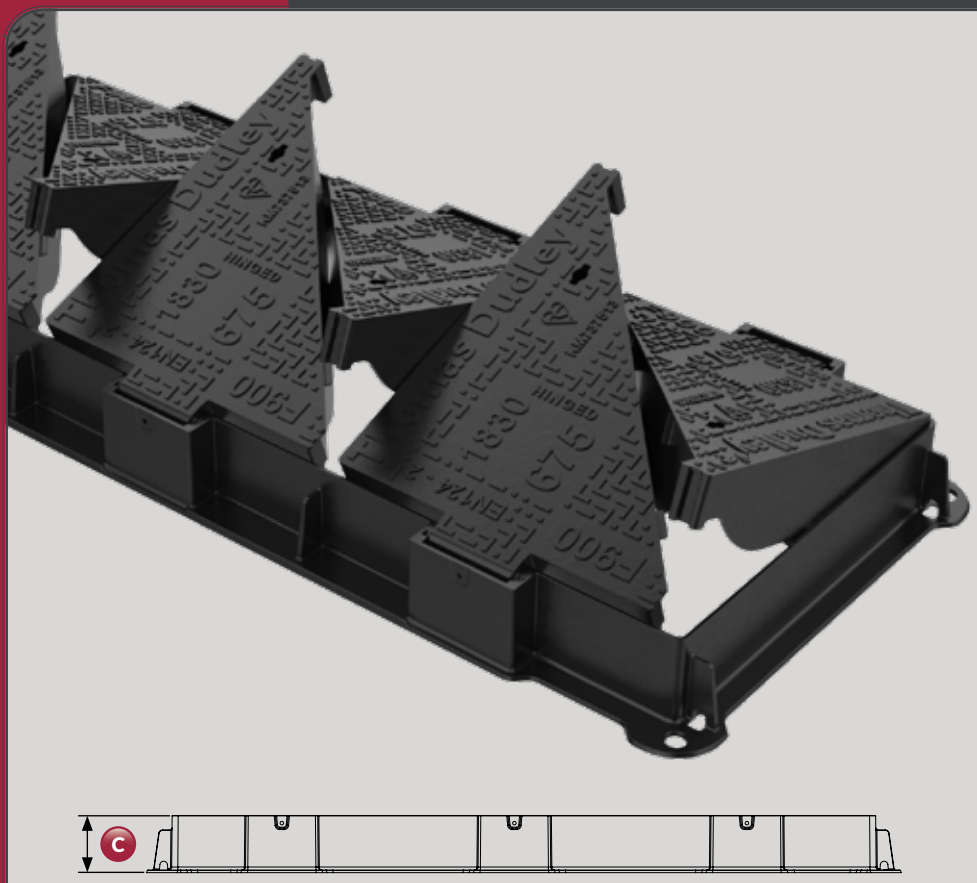
- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO E600
- KITEMARKED
- PATENTED LIFT OUT HINGE

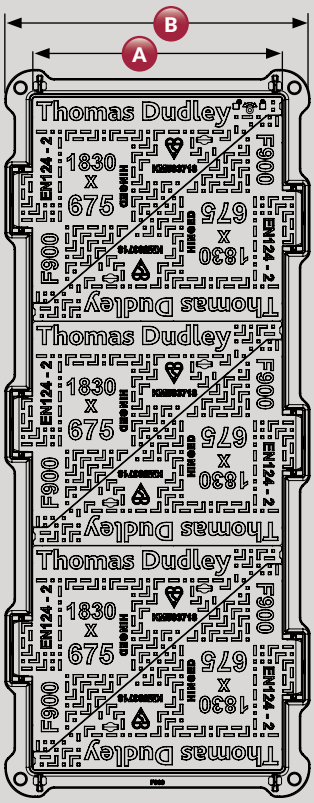
BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class E600 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley tread pattern
- Hinged Double triangular non-rock cover
- Sequential opening with single locking point as standard
- Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
1000 x 1000	1150 x 1150	150	334398
1200 x 900	1350 x 1050	150	334413
1200 x 1200	1350 x 1350	150	333019
1500 x 750	1650 x 900	150	333020
1500 x 900	1650 x 1050	150	333017
1500 x 1500	1650 x 1650	150	332368
1830 x 675	1980 x 825	150	332162

F900KM DUCTILE IRON HINGED MULTI-PART TRIANGULAR COVER & FRAME





KEY FEATURES

- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO F900
- KITEMARKED
- PATENTED LIFT OUT HINGE

BENEFITS

- Complies fully with BS EN 124-2:2015 - suitable for intensity of traffic in Class F900 applications
- Engineered from quality assured ductile iron
- Unique, slip resistant Thomas Dudley tread pattern
- Hinged Double triangular non-rock cover
- Sequential opening with single locking point as standard
- Lift out covers providing 135° hinging giving superior site safety and one man operation

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	CODE
1000 x 1000	1155 x 1150	150	334399
1200 x 900	1350 x 1055	150	334414
1200 x 1200	1355 x 1350	150	334400
1500 x 900	1650 x 1050	150	372032
1500 x 1500	1650 x 1650	150	372033
1830 x 675	1980 x 830	150	334583

CD534 RANGE - ACCESS COVERS & FRAMES

The **CD534 Range** from Thomas Dudley Utility Products has been designed to stand the test of time in high traffic conditions and with the requirements of Highways England's technical regulation, CD534, at the forefront of our specification.

The **CD534** regulation was introduced back in February 2020, as a replacement for the HA104/09 guidance notes, with the intention of guiding installers to the best possible product specifications for installation in trunk roads and motorways.

Our **CD534 Range** has been designed to conform to and in many instances exceed the requirements of both EN124-2 and CD534, the products are also Kitemarked to provide additional peace of mind.

Here is a list of key product features and how they perform against the requirements of CD534 –

- **Skid resistance value of 78 PSRV** – Our tread pattern has been independently tested and this figure vastly exceeds the CD534 minimum requirement of all Group 4 chamber tops to have a PSRV >60 when installed in high risk locations.
- **Minimum flange area for frames -** Providing a bearing pressure under **2.1 N/mm²** all of our CD534 range products meet the minimum flange area for D400 and E600 frames. We believe that the lower bearing pressure is key to dispersing stresses and thus reducing the potential damage on bedding materials, especially in high traffic installations and have ensured that our products still meets this specification.
- **D400 & E600 load class** – CD534 now states that **E600** covers should be used in ALL environments where the annual average daily traffic of large goods vehicles exceeds 1500 in each direction.
- **Minimum clear opening of 600 x 600** – For chamber tops permitting access, CD534 requires a minimum of 600mm clear opening.
- **150mm frame depth available** – CD534 states a minimum frame depth of **150mm** for all motorways and all-purpose trunk roads.
- **80mm depth of insertion** – This meets the CD534 minimum depth of insertion of **80mm**.
- **M16 coupling bolts** – Exceeding the CD534 requirement of 140mm² minimum cross sectional area of loose couplings.
- **Minimum frame weight** - For 600x600 and 675x675 sizes, all of our range meet the minimum weight requirements for frames

In addition to the requirements of EN124 & CD534, we designed the following features into our **CD534 range** products -

- **Large cover to frame contact area** – This is critical to disperse stresses transferred from cover through the frame and into the bedding material.
- **Increased strength** – Greater strength allowing the product to surpass the load test requirements of both EN124-2 and the Kitemark to give greater peace of mind in high traffic locations.
- **Limited movement** of the cover in the frame – Design features **limiting the movement** of the cover in-situ prevent wear and potential instability of the cover.
- **Frame keying slots** – Provide greater **mortar engagement** with the frame.
- **Frame keyways** – Unique frame keyways provide easy lifting and positioning of the frame during installation.

All these features add up to a product that you can install with confidence, even in the busiest locations.

FEATURES INCLUDED IN THE RANGE



COMPLIES WITH BS EN 124-2



CERTIFIED BY BSI



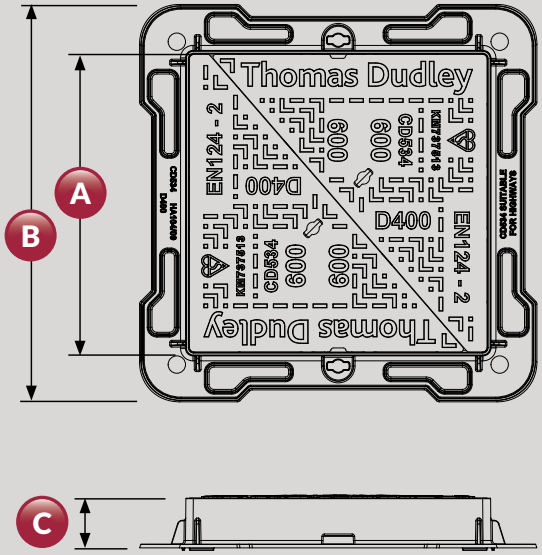
SLIP RESISTANT



COMPLIES WITH CD534

CD534 RANGE - ACCESS COVERS & FRAMES





KEY FEATURES

COMPLIES WITH BS EN 124-2

CERTIFIED BY BSI

SLIP RESISTANT

COMPLIES FULLY WITH UK HIGHWAYS AUTHORITY CD534

BENEFITS

- Complies fully with BS EN 124-2:2015 and Highways Authority CD534 Standard - suitable for high intensity traffic applications
- Engineered from quality assured ductile iron
- Unique, slip resistant tread pattern suitable for High Risk installations
- Drop-in, loose coupled, non-rock covers
- Pre-badged FW & SW options available

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	LOAD CLASS	STANDARD CODE	FW BADGE CODE	SW BADGE CODE
600 x 600	800 x 800	100	D400	376625	378385	378384
600 x 600	800 x 800	150	D400	376626	378611	378610
675 x 675	875 x 875	100	D400	376627	378387	378386
675 x 675	875 x 875	150	D400	376628	378613	378612
1220 x 675	1420 x 880	100	D400	376694	378617	378616
1220 x 675	1420 x 880	150	D400	376695	378615	378614
600 x 600	850 x 850	150	E600	378592	N/A	N/A
675 x 675	925 x 925	150	E600	376696	N/A	N/A

KERBDRAIN
COVER AND FRAME

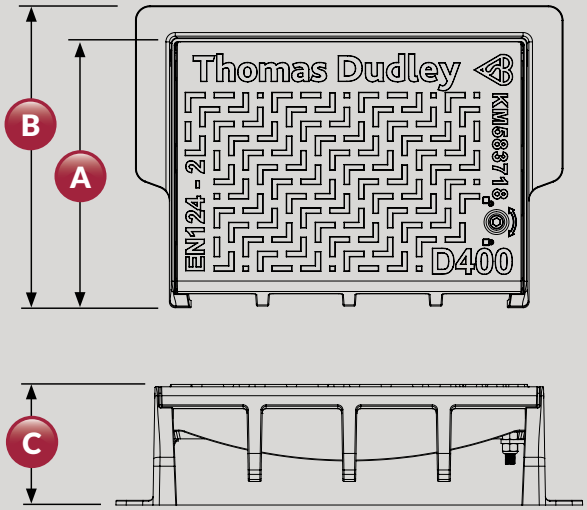


FEATURES INCLUDED IN THE RANGE

- COMPLIES WITH BS EN 124-2
- CERTIFIED BY BSI
- SLIP RESISTANT
- HB PROFILE

KERBDRAIN COVER AND FRAME





KEY FEATURES

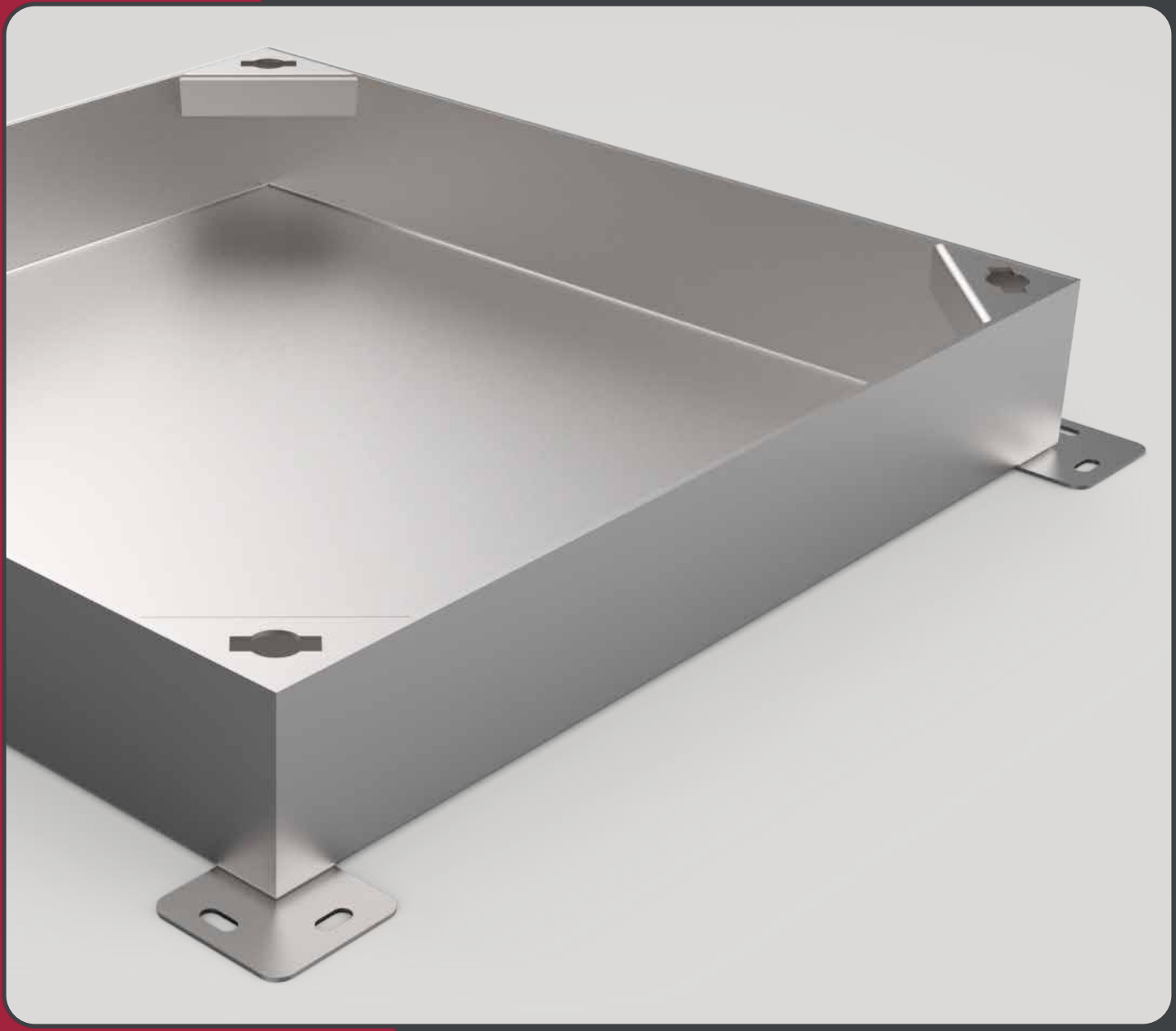
- COMPLIES WITH BS EN 124-2
- SLIP RESISTANT
- LOAD RATED TO D400
- LOCK & NON-LOCK VERSIONS

BENEFITS

- Complies with BS EN 124-2:2015 - suitable for intensity of traffic in Class D400 applications
- Half-Battered (HB) Profile
- Unique, slip resistant Thomas Dudley tread pattern
- Hinged cover to allow full drain access

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	LOCK	CODE
480 x 350	592 x 420	150	✔	374322

RECESSED COVERS AND FRAMES

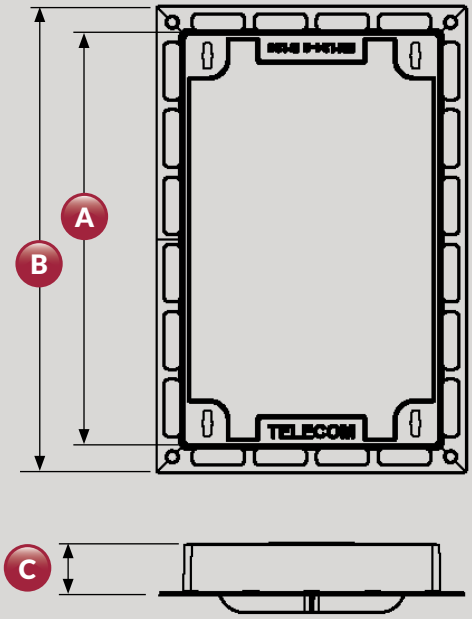


FEATURES INCLUDED IN THE RANGE

- RANGE OF LOAD OPTIONS
- IRON & STEEL OPTIONS
- 80mm & 100mm RECESS DEPTH
- FACTA RATED PRODUCTS AVAILABLE

B125 & D400 DUCTILE IRON RECESSED COVER & FRAME





KEY FEATURES

COMPLIES WITH BS EN 124-2

80mm RECESS DEPTH

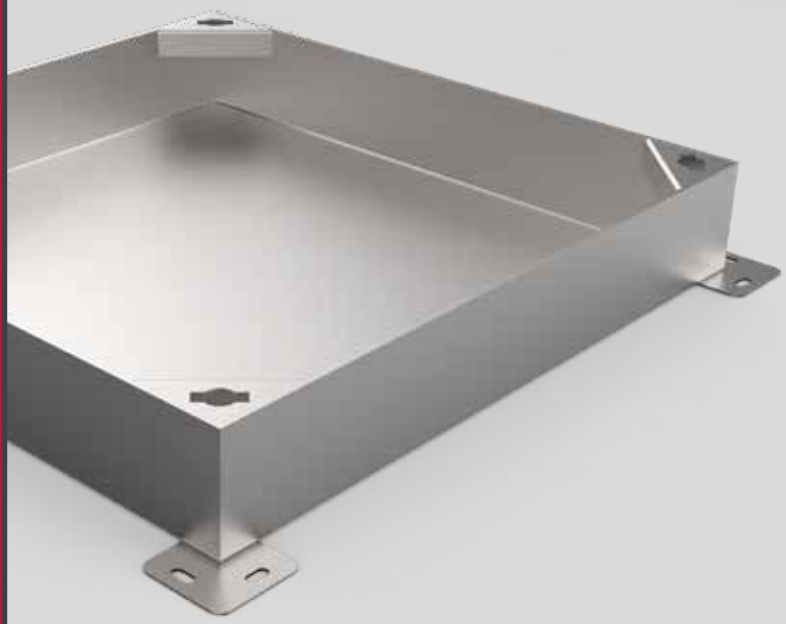
B125 & D400 LOAD OPTIONS

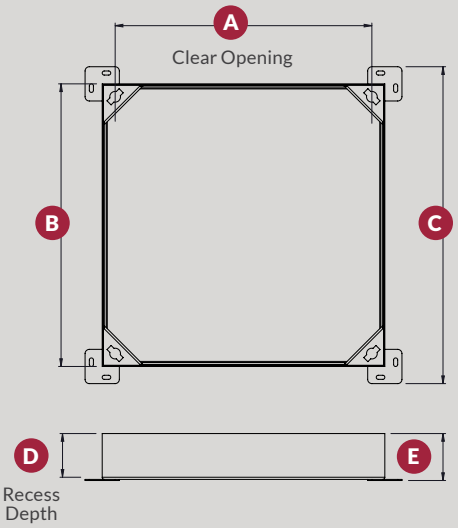
BENEFITS

- Complies fully with BS EN 124-2:2015
- Engineered from quality assured ductile iron
- Drop-in recessed covers
- 80mm deep internal recessed tray

CLEAR OPENING (A) MM	OVER FRAME (B) MM	DEPTH (C) MM	LOAD	CODE
750 x 450	900 x 600	100	B125	PLEASE ENQUIRE
750 x 450	900 x 600	100	D400	PLEASE ENQUIRE
900 x 600	1050 x 750	100	D400	PLEASE ENQUIRE

10T GALVANISED STEEL RECESSED COVER & FRAME





KEY FEATURES

GALVANISED FINISH

RECESS DEPTH 80mm & 100mm

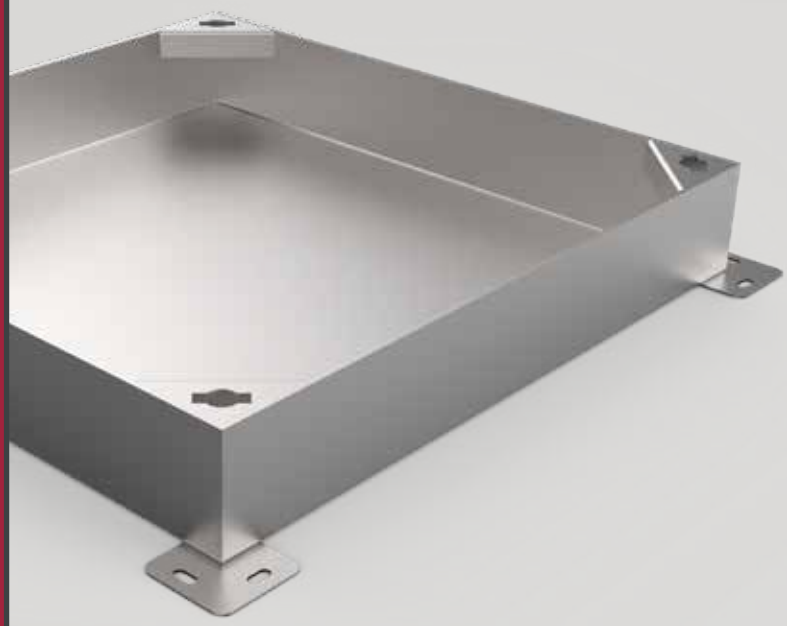
10T LOAD RATED

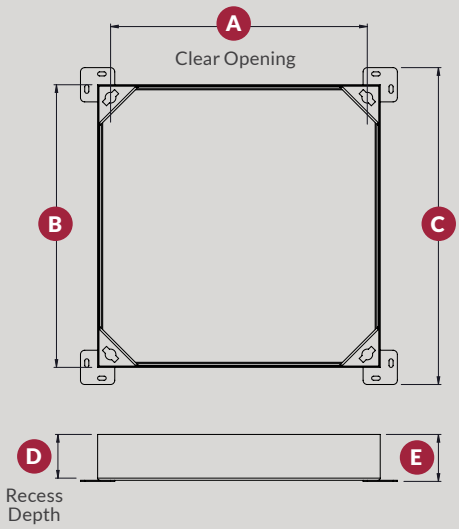
BENEFITS

- Range of clear opening sizes
- 80mm or 100mm Deep
- Load Rating - 10T GLVW
- Suitable for block paving or slabs
- Galvanised steel for enhanced durability, strength & corrosion resistance
- 4 keyway locations for easy lifting

CLEAR OPENING (A) MM	OVER FRAME (B) MM	OVERALL (C)MM	RECESS DEPTH (D) MM	OVERALL DEPTH (E) MM	CODE
300 x 300	360 x 360	440 x 440	80	90	375512
300 x 300	360 x 360	440 x 440	100	110	375472
300 DIA	360 x 360	440 x 440	80	90	379046
300 DIA	360 x 360	440 x 440	100	110	379048
450 x 450	510 x 510	590 x 590	80	90	375511
450 x 450	510 x 510	590 x 590	100	110	375471
450 DIA	510 x 510	590 x 590	80	90	379047
450 DIA	510 x 510	590 x 590	100	110	379049
600 x 450	660 x 510	740 x 590	80	90	375510
600 x 450	660 x 510	740 x 590	100	110	375470
600 x 600	660 x 660	740 x 740	80	90	375509
600 x 600	660 x 660	740 x 740	100	110	375429

25T GALVANISED STEEL RECESSED COVER & FRAME





KEY FEATURES

GALVANISED FINISH

RECESS DEPTH 100mm

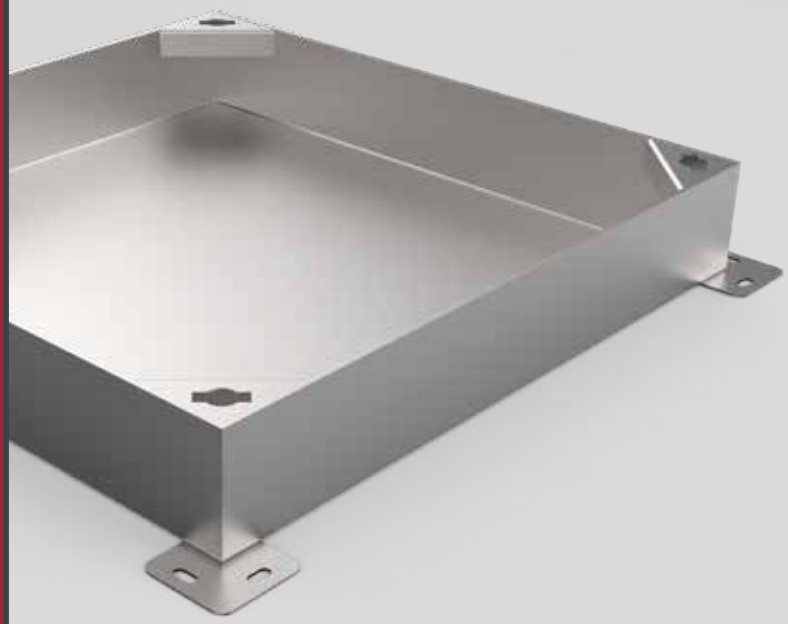
25T LOAD RATED

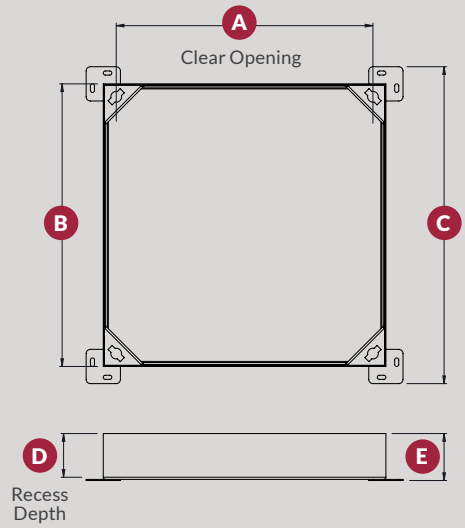
BENEFITS

- Range of clear opening sizes
- 100mm Deep
- Load Rating - 25T GLVW
- Suitable for block paving or slabs
- Galvanised steel for enhanced durability, strength & corrosion resistance
- 4 keyway locations for easy lifting

CLEAR OPENING (A) MM	OVER FRAME (B) MM	OVERALL (C)MM	RECESS DEPTH (D) MM	OVERALL DEPTH (E) MM	CODE
300 x 300	360 x 360	440 x 440	100	110	379119
450 x 450	510 x 510	590 x 590	100	110	379120
600 x 600	660 x 660	740 x 740	100	110	379121
675 x 675	735 x 735	815 x 815	100	110	379122
1220 x 675	1280 x 735	1360 x 815	100	110	379123

40T GALVANISED STEEL RECESSED COVER & FRAME





KEY FEATURES

GALVANISED FINISH

RECESS DEPTH 100mm

40T LOAD RATED

BENEFITS

- Range of clear opening sizes
- 100mm Deep
- Load Rating - 40T GLVW
- Suitable for block paving or slabs
- Galvanised steel for enhanced durability, strength & corrosion resistance
- 4 keyway locations for easy lifting

CLEAR OPENING (A) MM	OVER FRAME (B) MM	OVERALL (C)MM	RECESS DEPTH (D) MM	OVERALL DEPTH (E) MM	CODE
300 x 300	360 x 360	440 x 440	100	110	379124
450 x 450	510 x 510	590 x 590	100	110	379125
600 x 600	660 x 660	740 x 740	100	110	379126
675 x 675	735 x 735	815 x 815	100	110	379127
1220 x 675	1280 x 735	1360 x 815	100	110	379128

FACTA RATED GALVANISED STEEL RECESSED TRAYS



KEY FEATURES

- GALVANISED FINISH
- RANGE OF RECESS DEPTH
- RANGE OF LOAD RATINGS
- FACTA RATED

BENEFITS

- Full range of popular clear opening sizes available on short lead times - 300Sq, 300Dia, 450Sq, 450Dia, 600x450, 600Sq, 750x600, 675Sq, 900x600, 750Sq, 900Sq*, 1220x675* (*twin)
- Load Rating - FACTA AAA & FACTA B
- Suitable for infill with screed and a wide range of floor finishes
- For internal and external applications
- Double EPDM sealed
- Galvanised steel (BS EN 1461) for enhanced durability, strength & corrosion resistance
- 4 keyway locations for easy lifting
- Enquire for sizes, codes & pricing
- Datasheets available

FACTA RATED GALVANISED STEEL RECESSED BLOCK PAVIORS



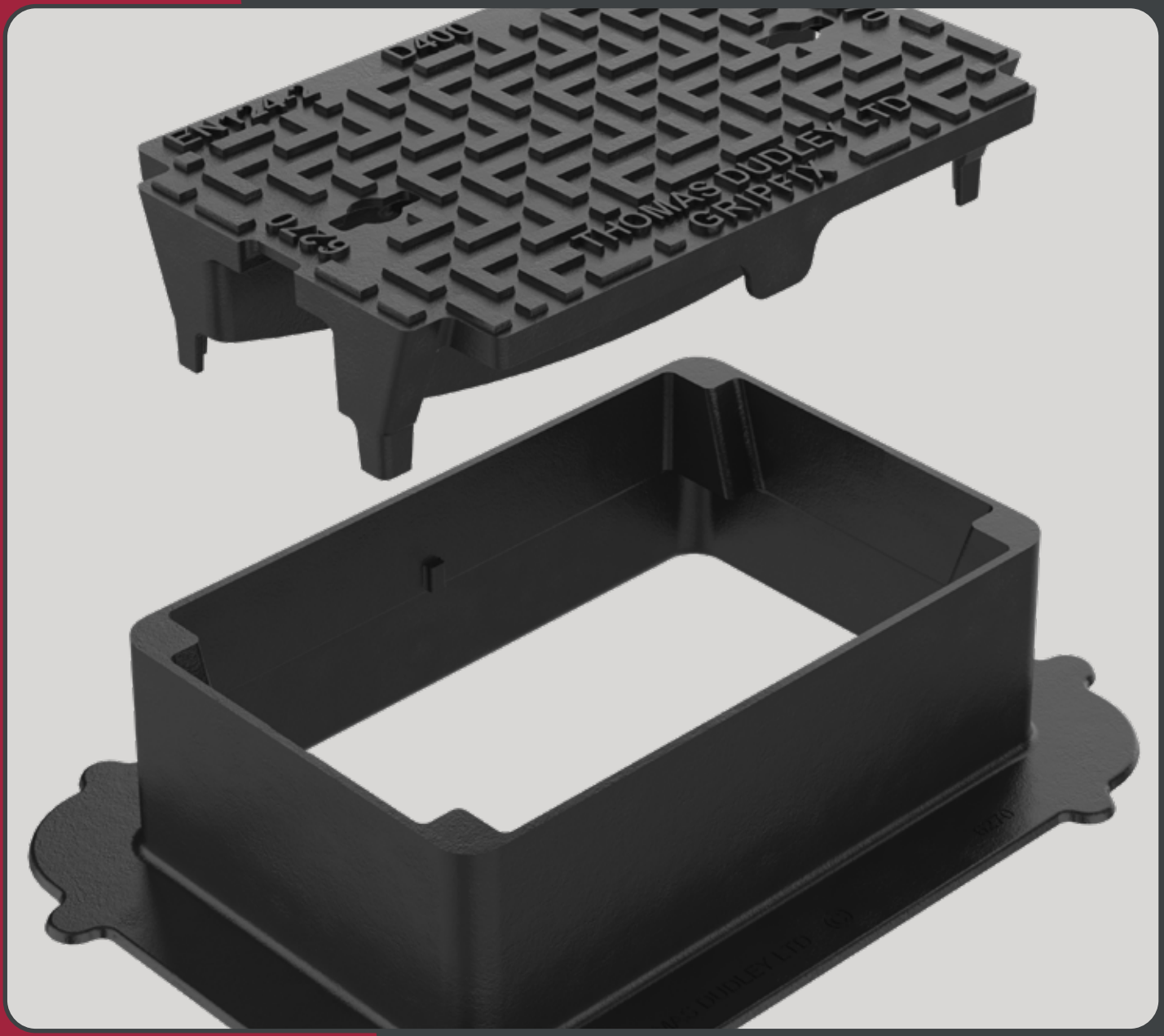
KEY FEATURES

- GALVANISED FINISH
- RANGE OF RECESS DEPTH
- RANGE OF LOAD RATINGS
- FACTA RATED

BENEFITS

- Full range of popular clear opening sizes available on short lead times - 300Sq, 300Dia, 450Sq, 450Dia, 600x450, 600Sq, 750x600, 675Sq, 900x600, 750Sq, 900Sq*, 1220x675* (*twin)
- Load Rating - FACTA AAA & FACTA B
- Suitable for infill with screed and a wide range of floor finishes
- For internal and external applications
- Double EPDM sealed
- Galvanised steel (BS EN 1461) for enhanced durability, strength & corrosion resistance
- 4 keyway locations for easy lifting
- Enquire for sizes, codes & pricing
- Datasheets available

SURFACE, STOP TAP & BOUNDARY BOXES



FEATURES INCLUDED IN THE RANGE

COMPLIES WITH BS5834 or EN124

GRIPFIX NON-ROCK DESIGN

SLIP RESISTANT TREAD PATTERN

VARIOUS BADGING AVAILABLE

GRIPFIX SURFACE BOXES

EN124-2 D400

GRADE	TYPE	CLEAR OPENING MM	OVER FRAME MM	DEPTH MM	BADGE	CODE
D400	6274	380 x 230	536 x 385	100	WO	377159
D400	6274	380 x 230	536 x 385	100	SV	377160
D400	6274	380 x 230	536 x 385	100	WATER	377161
D400	6274	380 x 230	536 x 385	100	METER	377158
D400	6274	380 x 230	536 x 385	100	FH	377164
D400	6274	380 x 230	536 x 385	100	AV	377163
D400	6274	380 x 230	536 x 385	100		377162
D400	6270	380 x 230	536 x 385	125	SV	375394
D400	6270	380 x 230	536 x 385	125	METER	377152
D400	6270	380 x 230	536 x 385	125	WATER	375515
D400	6270	380 x 230	536 x 385	125	WO	375514
D400	6270	380 x 230	536 x 385	125	AV	377562
D400	6270	380 x 230	536 x 385	125		375390
D400	6270	380 x 230	536 x 385	125	FH	375393
D400		430 x 280	534x 384	100		377539
D400		430 x 280	534x 384	100	AV	377579
D400		430 x 280	534x 384	100	SV	377573
D400		430 x 280	534x 384	100	W	379219
D400		430 x 280	534x 384	100	FH	377568



GRIPFIX 135AN, 225AN, 300AN COATED SURFACE BOXES

BS5834 Grade A

GRADE	CLEAR OPENING MM	OVER FRAME MM	DEPTH MM	BADGE	CODE
135AN	165 x 165	245 x 245	100	W	377528
135AN	165 x 165	245 x 245	100	CATV	334331
135AN	165 x 165	245 x 245	100	G	377529
135AN	165 x 165	245 x 245	100		377527
135AN	165 x 165	245 x 245	100	SV	377530
135AN (SLOTTED)	165 x 165	245 x 245	100	SV	371307
135AN (SLOTTED)	165 x 165	245 x 245	100	CATV	331668
135AN (SLOTTED)	165 x 165	245 x 245	100		334329
225AN	230 x 230	307 x 307	100	GAS	377570
225AN	230 x 230	307 x 307	100		377536
225AN	230 x 230	307 x 307	100	W	377567
225AN	230 x 230	307 x 307	100	SV	376574
300AN	302 x 302	381 x 381	100		375575
300AN	302 x 302	381 x 381	100	W	375578
300AN	302 x 302	381 x 381	100	GAS	375574
300AN	302 x 302	381 x 381	100	SV	375577



6150 6153 BOUNDARY BOXES

BS5834 Grade B

GRADE	CLEAR OPENING MM	OVER FRAME MM	DEPTH MM	SPIGOT DEPTH MM	BADGE	CODE
B (6150/135)	150 x 140	187 x 187	60	30	WATER	317563
B (6150/135)	150 x 140	187 x 187	60	30	BB	334264
B (6150/150)	144 DIA	201 x 201	60	30	WATER	317157
B (6150/180)LF	184 DIA	240 x 240	60	30	WATER	324403
B (6150/180)	184 DIA	240 x 240	60	45	WATER	319996
B (6153/190)	197 x 190	271 x 271	75	-		370227
B (6153/190)	197 x 190	271 x 271	75	-	WATER	319998
B (6153/190)	197 x 190	271 x 271	75	-	GAS	370675



TYPE A COATED SURFACE BOXES

BS5834 Grade C

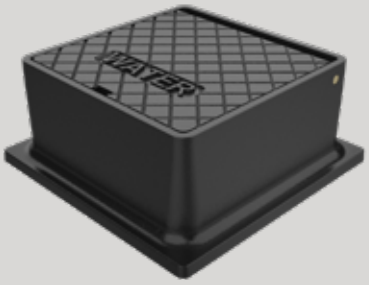
CLEAR OPENING MM	OVER FRAME MM	DEPTH MM	BADGE	CODE
152 x 127	202 x 170	75		316447
152 x 127	202 x 170	75	W	322591 (LOCKED)
152 x 127	202 x 170	75	W	314996



D6110 STOP TAP BOXES

BS5834 Grade C

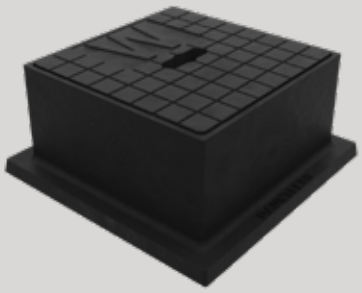
DIMENSION			DEPTH		BADGE	COATED
PATTERN	MM	INCHES	MM	INCHES		CODE
HINGED LID	114 x 114	4½ x 4½ x 3	76	3	W	317269
HINGED & LOCKED LID	114 x 114	4½ x 4½ x 3	76	3	W	324763
HINGED LID	127 x 127	5 x 5 x 4	102	4	W	313223
HINGED LID	127 x 127	5 x 5 x 4	102	4	GAS	373076
HINGED & LOCKED LID	127 x 127	5 x 5 x 4	102	4	W	370855
HINGED LID	152 x 152	6 x 6 x 3	76	3	G	324311
HINGED LID	152 x 152	6 x 6 x 3	76	3	WATER	319994
HINGED WITH LUGS	152 x 152	6 x 6 x 3	76	3	WATER	313797
HINGED & LOCKED LID	152 x 152	6 x 6 x 3	76	3	WATER	326111
HINGED LID ROUND FLANGE	152 x 152	6 x 6 x 3	76	3	WATER	322437



100B2S MEDIUM DUTY SURFACE BOXES

BS5834 Grade B

CLEAR OPENING MM	OVER FRAME MM	DEPTH MM	CODE
127 x 80	180 x 180	75	319627



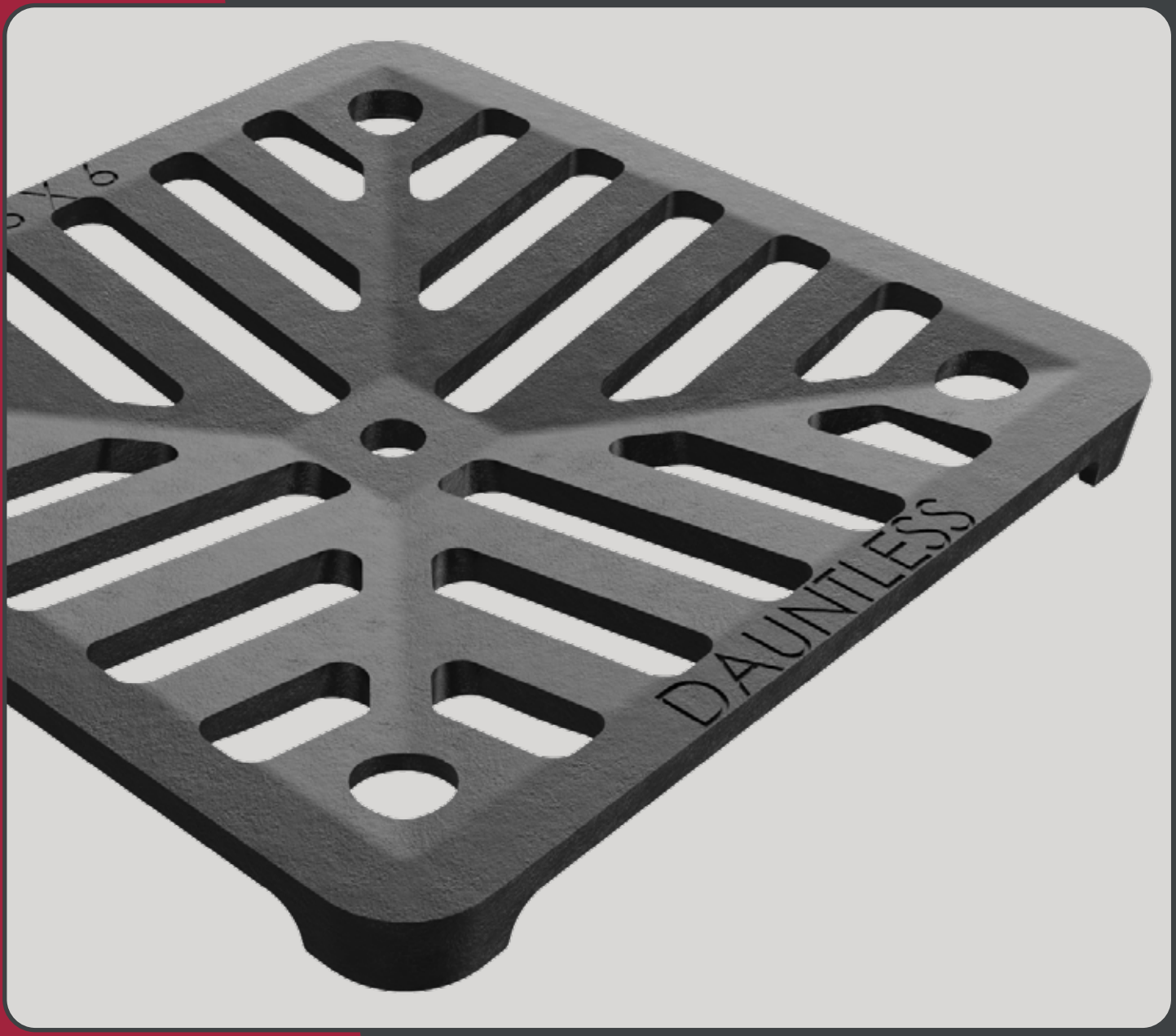
100C1H PLASTIC SURFACE BOXES

BS5834 Grade C

DIMENSION			DEPTH	COATED
PATTERN	MM	INCHES	MM	CODE
"W" BLACK LID	135 x 119	5 3⁄16 x 4 11⁄16	75	313629



RAINWATER DRAINAGE CASTINGS



PRODUCTS INCLUDED IN THE RANGE



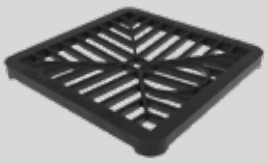
GULLY GRIDS



SEALING PLATES

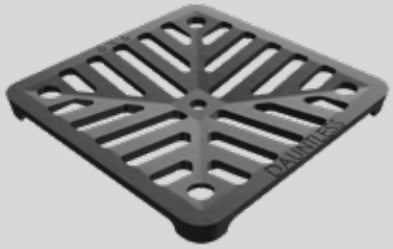


GRATINGS & FRAMES



PLASTIC GRIDS

D125 SQUARE DISHED PATTERN GULLY GRIDS



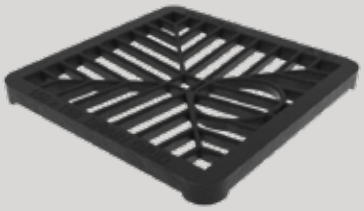
DIMENSION		COATED	GALVANISED	DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE	MM	INCHES	CODE	CODE
120 x 120 x 13	4¾ x 4¾ x ½	314964	314378	178 x 178 x 13	7 x 7 x ½	316566	PLEASE ENQUIRE
127 x 127 x 9	5 x 5 x ⅜	316119	318613	203 x 203 x 13	8 x 8 x ½	316638	PLEASE ENQUIRE
152 x 152 x 6	6 x 6 x ¼	313220	315574	229 x 229 x 13	9 x 9 x ½	314781	318238
152 x 152 x 9	6 x 6 x ⅜	313124	315421	254 x 254 x 13	10 x 10 x ½	314113	PLEASE ENQUIRE
152 x 152 x 13	6 x 6 x ½	319469	313501	305 x 305 x 13	12 x 12 x ½	313562	PLEASE ENQUIRE
				321 x 321 x 13	12 ⅝ x 12 ⅝ x ½	317236	318900

D126 ROUND DISHED PATTERN GULLY GRIDS



DIMENSION		COATED	GALVANISED	DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE	MM	INCHES	CODE	CODE
102 dia. x 9	4 x ⅜	318308	317050	191 dia. x 9	7 ½ x ⅜	319451	PLEASE ENQUIRE
114 dia. x 9	4 ½ x ⅜	313172	PLEASE ENQUIRE	197 dia. x 9	7 ¾ x ⅜	315837	PLEASE ENQUIRE
127 dia. x 9	5 x ⅜	319759	318839	203 dia. x 9	8 x ⅜	317052	PLEASE ENQUIRE
140 dia. x 9	5 ½ x ⅜	316375	318051	229 dia. x 9	9 x ⅜	314891	PLEASE ENQUIRE
152 dia. x 9	6 x ⅜	316960	316175	254 dia. x 16	10 x ⅝	318136	317685
165 dia. x 9	6 ½ x ⅜	319232	316889	286 dia. x 9	11 ¼ x ⅜	317657	313369
178 dia. x 9	7 x ⅜	316725	315983	305 dia. x 16	12 x ⅝	315529	316144

PLASTIC DRAIN GRIDS



DIMENSION		
MM	INCHES	CODE
152 x 152	6 x 6	314607

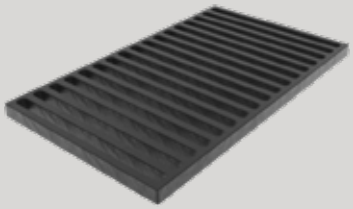
D127 ROUND FLAT STRAIGHT BAR PATTERN GULLY GRIDS



DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE
76 dia. x 9	3 x ⅜	317969	PLEASE ENQUIRE
152 dia. x 9	6 x ⅜	314580	PLEASE ENQUIRE
178 dia. x 9	7 x ⅜	313999	PLEASE ENQUIRE
267 dia. x 25	10 ½ x 1	316268	317585
286 dia. x 25	11 ¼ x 1	PLEASE ENQUIRE	319222
305 dia. x 16	12 x ⅝	318570	316122

D130 SQUARE AND RECTANGULAR FLAT STRAIGHT BAR PATTERN GULLY GRIDS

DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE
152 x 152 x 9	6 x 6 x ⅜	314606	314325
229 x 229 x 13	9 x 9 x ½	PLEASE ENQUIRE	314781
254 x 254 x 13	10 x 10 x ½	318270	317342



D105 CIRCULAR SEALING PLATES AND FRAMES

DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE
140 x 25	5 ½ x 1	318258	PLEASE ENQUIRE
191 x 25	7 ½ x 1	315007	314034
273 x 25	10 ¾ x 1	317213	318457



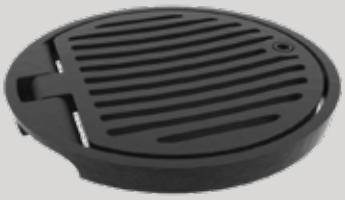
D106 SQUARE AND RECTANGULAR SEALING PLATES AND FRAMES

DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE
152 x 152 x 25	6 x 6 x 1	318071	316523
229 x 229 x 25	9 x 9 x 1	313547	319284
305 x 305 x 25	12 x 12 x 1	313443	



D172 ROUND GULLY GRATINGS AND FRAMES

DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE
140 x 25	5 ½ x 1	319513	314619
197 x 25	7 ¾ x 1	314067	316385
273 x 35	10 ¾ x 1 ⅜	315337	318187
368 x 35	14 ½ x 1 ⅜	314515	318578

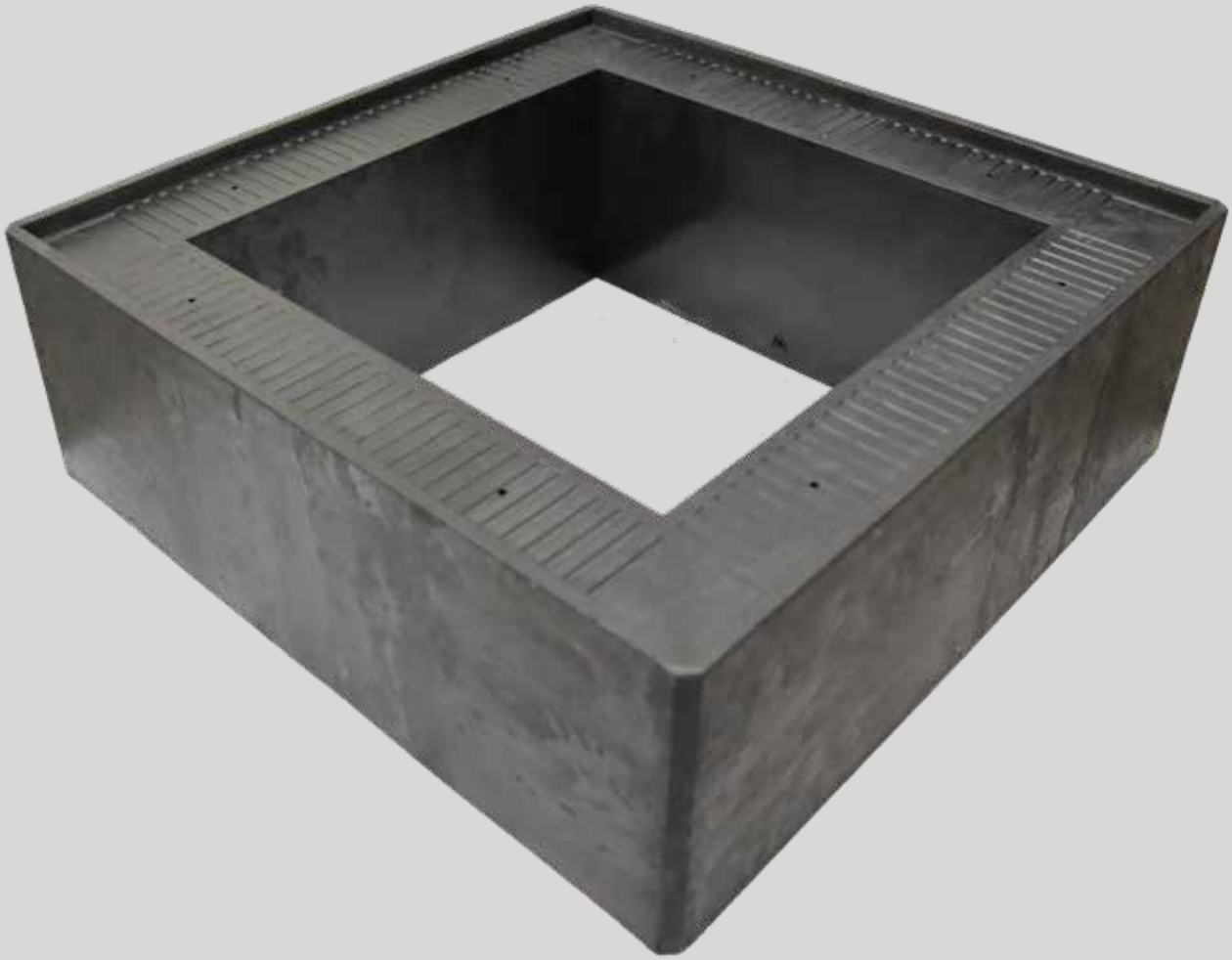


D173 SQUARE GULLY GRATINGS AND FRAMES

DIMENSION		COATED	GALVANISED
MM	INCHES	CODE	CODE
152 x 152 x 25	6 x 6 x 1	314138	319347
229 x 229 x 25	9 x 9 x 1	315324	319586
254 x 254 x 38	10 x 10 x 1 ½	316277	318825



DURAFIX CHAMBER SECTIONS



FEATURES INCLUDED IN THE RANGE

- INTERLOCKING DESIGN
- D400 LOAD RATED
- RECYCLED MATERIAL
- RANGE OF SIZES

DURAFIX D400 CHAMBER SECTIONS





KEY FEATURES

INTERLOCKING DESIGN

RECYCLED MATERIAL

D400 LOAD RATED

BENEFITS

- Range of clear opening sizes and section depths available including large scale DuraFix Plus and DuraFix Max options.
- Can be cut and drilled on-site
- Interlocking system for secure and robust assembly
- Lightweight construction
- Chemically resistant
- Manufactured from recycled plastic and 100% recyclable

CLEAR OPENING (A) MM	OVERALL (B)MM	OVERALL DEPTH MM	CODE
170 x 170	300 x 300	150	379150
230 x 230	360 x 360	150	379152
300 x 300	430 x 430	150	379153
380 x 230	510 x 360	150	379154
430 x 280	560 x 410	150	379156
430 x 280	560 x 410	50	379160
430 x 280	560 x 410	25	379157
430 x 280 Chamber Base	560 x 410	40	379158
450 x 450	580 x 580	150	379162
600 x 600	780 x 780	150	379164

*Table shows sizes available from stock, huge range of other sizes available to order, please enquire

ACCESSORIES



PRODUCTS INCLUDED IN THE RANGE

LIFTING TOOLS

SEALING PLATES

SECURITY PLATES

SAFETY GRIDS

LIFTING TOOLS

HYDRAFOLD MANHOLE LIFTING TOOLS (PAINTED FINISH)







DESCRIPTION	CODE
HYDRAFOLD LIFTING TOOL	323293
HYDRAFOLD 4 HEAD KEYWHEEL	319826

HYDRA LIFTING TOOL (PAINTED FINISH)



DESCRIPTION	CODE
530MM LONG HANDLE	313100

LIFTING KEYS









DESCRIPTION	LENGTH MM	SHAFT DIA MM	KEY SIZE MM	CODE
CD534 SMALL - SHORT HANDLE	200	12	25x6	379204
CD534 SMALL - LONG HANDLE	500	12	25x6	379205
CD534 LARGE - SHORT HANDLE	200	20	40x6	379206
CD534 LARGE - LONG HANDLE	500	20	40x6	379207

SEALING & SECURITY PLATES

SEALING PLATES



*Sealing plate reduces clear opening by 100mm

- Sizes to suit full TD range of hinged and drop-in covers
- Supplied fitted to cover
- Option to supply un-assembled for discount & next day delivery (Fitting video available)
- Eliminate unwanted odours, air leakage & unwanted water ingress
- Able to withstand back pressure from a system blockage
- Double EPDM sealing system
- Galvanised steel (BS EN 1461) construction
- Low leak available on request
- Enquire for codes & pricing
- Datasheets available

LPCB SECURITY PLATES



*Security plate reduces clear opening by 70mm

- Sizes to suit full TD range of hinged and drop-in covers
- Supplied fitted to cover
- Made to order on competitive lead times
- Galvanised steel (BS EN 1461) construction
- LPCB certified (LPS 1175 Issue 7 Level 3)
- Prevent unwanted access to the chamber
- Hidden hinge with automatic safety stay
- Single person operation
- Hardened hasp and staple for end users own padlock
- Moated frame to prevent ingress of flammable liquids
- Enquire for details
- Data sheets available

SECURITY PLATES & SAFETY GRIDS

MOD SECURITY PLATES



- Sizes to suit full TD range of hinged and drop-in covers
- Supplied fitted to cover
- Made to order on competitive lead times
- Galvanised steel (BS EN 1461) construction
- MOD spec slide out design
- Prevent unwanted access to the chamber
- Lift & Slide handle
- Single person operation
- Hardened hasp and staple for end users own padlock
- Enquire for details
- Data sheets available

*Security plate reduces clear opening by 70mm

SAFETY GRIDS

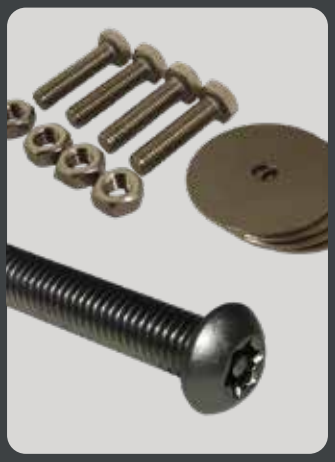
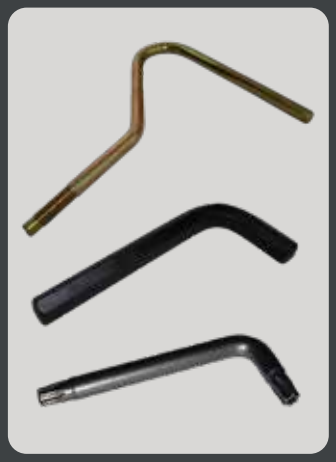


*Safety grid reduces clear opening

- Sizes to suit full TD range of hinged and drop-in covers - Supplied fitted to covers
- Made to order on competitive lead times
- Galvanised steel construction
- Prevents unwanted access to chamber while allowing a clear view of inside
- Reduce the risks of falls into chambers during maintenance
- 135° Hinged opening for safe stay open & single person operation
- Hasp and staple for end users own padlock
- Compliant bar spacing for safe fall protection
- Enquire for details
- Data sheets available

ACCESSORY PACKS



B125 Cover & Frame	
379212	M8x40 Countersunk Screw A2 Stainless Steel Hex Head
379201	5mm Allen Key for M8 Hex CSK Locking Screw
379196	M8x40 Countersunk Screw A2 Stainless Steel Torx-Pin Head
379199	T40 Torx-Pin Key for M8 Torx-Pin CSK and Button Locking Screw
379186	Keyway Cap
379211	M12x75 Through Bolts BZP (12mm Drill)
379625	EPDM Rubber Sealing and Allen Head Locking Assembly Kit (Screws, Drill, Tap, Seal and Key)
379626	EPDM Rubber Sealing and Allen Head Locking Assembly Kit (Screws and Seal)
379627	EPDM Rubber Sealing and Torx-Pin Head Locking Assembly Kit (Screws, Drill, Tap, Seal and Key)
379628	EPDM Rubber Sealing and Allen Head Locking Assembly Kit (Screws and Seal)
D400/E600/F900 Hinged Cover & Frame	
379045	M12x100 Countersunk Screw A2 Stainless Steel Hex Head
379200	8mm Allen Key for M12 Hex CSK Locking Screw
379437	M12x100 Countersunk Screw A2 Stainless Steel Torx-Pin Head
379438	T55 Torx-Pin Key for M12 Torx-Pin CSK and Button Locking Screw
379186	Keyway Cap
379069	M6 Sealing Plate Connecting Bolt Set, Stainless Steel
379070	M16 BZP Coupling Bolt Set for D400 Products
D400/E600 Drop-In Cover & Frame	
379116	M8x100 Countersunk Screw A2 Stainless Steel Hex Head
379201	5mm Allen Key for M8 Hex CSK Locking Screw
379197	M8x100 Button Head Screw A2 Stainless Steel Torx-Pin Head
379199	T40 Torx-Pin Key for M8 Torx-Pin CSK and Button Locking Screw
379186	Keyway Cap
379069	M6 Sealing Plate Connecting Bolt Set, Stainless Steel
379070	M16 BZP Coupling Bolt Set for D400 Products

ACCESSORY PACKS CONTINUED

Snaplock D400 Cover & Frame	
379195	M8x70 Countersunk Screw A2 Stainless Steel Hex Head
379201	5mm Allen Key for M8 Hex CSK Locking Screw
379197	M8x100 Button Head Screw A2 Stainless Steel Torx-Pin Head
379199	T40 Torx-Pin Key for M8 Torx-Pin CSK and Button Locking Screw
379186	Keyway Cap
D400 Single Piece Hinged Grate & Frame	
379198	M16x50 Cap Head Hex Bolt BZP
379202	14mm Allen Key for M16 Hex Cap Head Locking Screw
D400/E600/F900 Double Tri Hinged Grate & Frame	
379195	M8x70 Countersunk Screw A2 Stainless Steel Hex Head
379201	5mm Allen Key for M8 Hex CSK Locking Screw
379197	M8x100 Button Head Screw A2 Stainless Steel Torx-Pin Head
379199	T40 Torx-Pin Key for M8 Torx-Pin CSK and Button Locking Screw
379070	M16 BZP Coupling Bolt Set for D400 Products
FACTA AAA Recessed Tray	
379212	M8x40 Countersunk Screw A2 Stainless Steel Hex Head
379201	5mm Allen Key for M8 Hex CSK Locking Screw
379196	M8x40 Countersunk Screw A2 Stainless Steel Torx-Pin Head
379199	T40 Torx-Pin Key for M8 Torx-Pin CSK and Button Locking Screw
379208	Hook Lifting Key for Shallow Trays
379210	10m Roll of 10x5mm EPDM Rubber Seal
FACTA B Recessed Tray	
379213	M8x60 Countersunk Screw A2 Stainless Steel Hex Head
379201	5mm Allen Key for M8 Hex CSK Locking Screw
379214	M8x60 Countersunk Screw A2 Stainless Steel Torx-Pin Head
379199	T40 Torx-Pin Key for M8 Torx-Pin CSK and Button Locking Screw
379209	M10 Threaded Lifting Key for Multi-Infill Trays
379210	10m Roll of 10x5mm EPDM Rubber Seal
379211	M12x75 Through Bolts BZP (12mm Drill)
10t, 25t & 44t Recessed for Block Infill	
379206	Short Handle Lifting Key
379207	Long Handle Lifting Key
379186	Keyway Cap
379211	M12x75 Through Bolts BZP (12mm Drill)
FACTA AAA, B & D Recessed for Block Infill	
379206	Short Handle Lifting Key
379207	Long Handle Lifting Key
379211	M12x75 Through Bolts BZP (12mm Drill)

ACCESSORY PACKS CONTINUED

DuraFix Chamber Accessories	
379439	DuraFix, Step Iron + 2 galv.120mm M10 Bolt/W/Nut (Pack 2)
379440	DuraFix, Bearer Bar Kit (508mm wall,250mm Bearer, Pin & fixings)
379441	DuraFix, A4 arbour + 200x12mm drill
379442	DuraFix, 40mm o/d, Bimetallic hole saw 120mm deep
379443	DuraFix, 54mm o/d, Bimetallic hole saw 120mm deep
379444	DuraFix, 98mm o/d, Bimetallic hole saw 120mm deep
379445	DuraFix, 114mm o/d, Bimetallic hole saw 120mm deep
379446	DuraFix, 127mm o/d, Bimetallic hole saw 120mm deep
379447	DuraFix, 152mm o/d, Bimetallic hole saw 120mm deep
379448	DuraFix, 160mm o/d, Bimetallic hole saw 120mm deep
379449	DuraFix, 182mm o/d, Bimetallic hole saw 120mm deep
379450	DuraFix, 210mm o/d, Bimetallic hole saw 120mm deep

REQUEST A QUOTE

Requesting a quotation from us couldn't be easier, use the details below or visit www.tdfoundry.co.uk/contact-us/ and fill out the form.

Enquiries

Please call 0121 521 2500 or email @ utilitysales@thomasdudley.co.uk



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