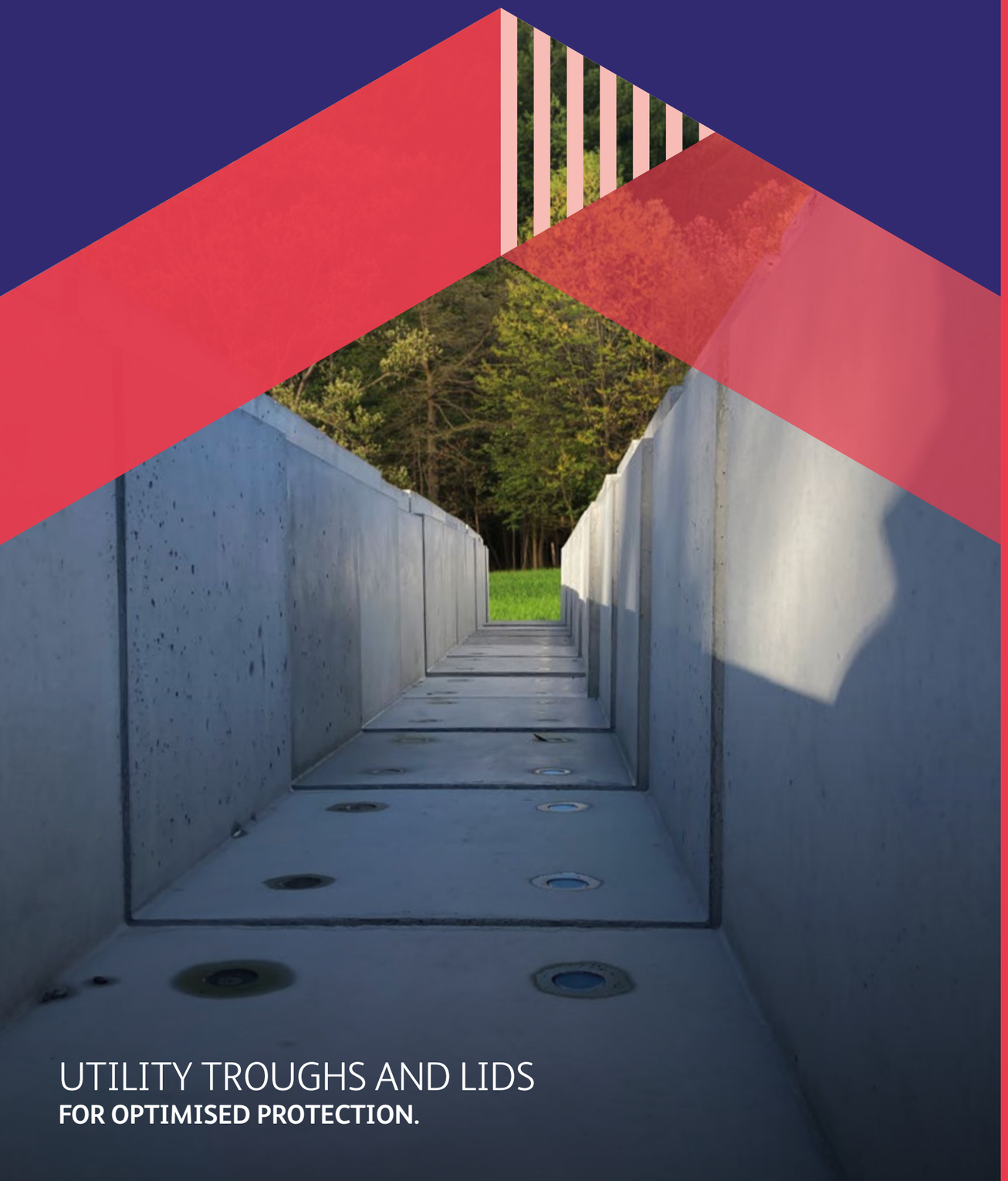
WE ARE
Infrastructure and more.

Ibstock
At the heart of building



UTILITY TROUGHS AND LIDS
FOR OPTIMISED PROTECTION.

WE ARE
Ibstock.

Bricks and Masonry

Our bricks and masonry range is truly comprehensive. Take the widest brick range in the UK and add in walling stone, architectural masonry, cast stone products and specials and you are sure to find a product for your project.

Facade Systems

With the establishment of Ibstock Futures, Ibstock is demonstrating a clear ambition to grow into the Facades sector. With Ibstock Telling GRC, Mechslip, Nexus and Genbrix we already have some fantastic solutions for this space.

Roofing

Our wide range of concrete roof tiles for the new build housing market, including the innovative SL8 and Gemini products, added to our high quality chimney options from Ibstock Kevington mean we've really got roofing covered.

Flooring and Lintels

A comprehensive range of flooring solutions and lintel products, including high fire rated options – with nationwide coverage delivered through our Supreme and Longley brands.

Staircases and Lift Shafts

Our bespoke high quality, Longley precast staircases and lift shafts are designed to meet your projects exact requirements.

Fencing and Landscaping

Ibstock offers a wide range of products for the fencing and landscaping sector – including high quality concrete fence posts from our Supreme brand or beautiful cast stone balustrades and pier caps from our Forticrete brand.

Retaining Walls

Whether it is a retaining wall solution to prepare a new site or for a major infrastructure scheme – our Anderton brand gives us the products and technical expertise to deliver.

Rail and Infrastructure

Ibstock Rail and Infrastructure combines rail troughs, signal bases, platform copers and other products for infrastructure from our Anderton range – all harnessing the latest in concrete technology to minimise embodied carbon without compromising performance.

Design and Technical Services

We are committed to providing the best possible design and technical support to our customers. From expert advice to a sector-leading training and CPD provision, Ibstock's range of design and technical services are especially configured to give architects and specifiers the access to the support they need at every stage on their project journey – from concept to build.

www.ibstock.co.uk

WE ARE
at the heart of building.

We offer a diverse range of building products, solutions and expert technical and design services that enable our customers to create inspirational spaces and places.

Everything we do revolves around our valued customers and we continuously strive to exceed their expectations. We pride ourselves on leading for new, innovative and sustainable products and solutions, both for today and for a new era of building.

WE ARE at the heart of building. WE ARE Ibstock.

Ibstock Brick

Ibstock Kevington

Anderton

Generix

Forticrete

Supreme

Longley

Ibstock Telling

WE ARE
Infrastructure and more.

Our optimised Utility Troughs and Lids deliver outstanding protection for your large power and communications services. Not only that, but they are also manufactured here in the UK.

This means you can be safe in the knowledge that your customers will receive a continuous and dependable service.

MEETING THE SPECIFICATION

Our precast reinforced concrete Utility Troughs and Lids are used for a variety of purposes, from housing and protecting power and communications cables through to pipes carrying gas, water and chemicals. They safeguard against malicious or accidental damage and are easily accessible for maintenance and repair work.

We are proud to design a range of Utility Troughs and Lids that deliver up to 60% less embodied carbon than traditional concrete mixes.*

As one of the UK's leading manufacturers of precast concrete products, we also offer extensive bespoke concrete solutions alongside our core range. Please contact our team of experts for more information.

Three types of flush fitting lids are supplied in either reinforced precast concrete, GRP composite or steel tray. All lids are rated in accordance with the loading groups specified in BS EN 124.

A site visit can be arranged for technical and procurement personnel.

* This figure was calculated and verified by our concrete materials team.

CONCRETE CABLE TROUGHS

We have used our substantial and unique skills to deliver one of the market's safest, durable and cost-effective range of precast Utility Troughs and Lids available today.

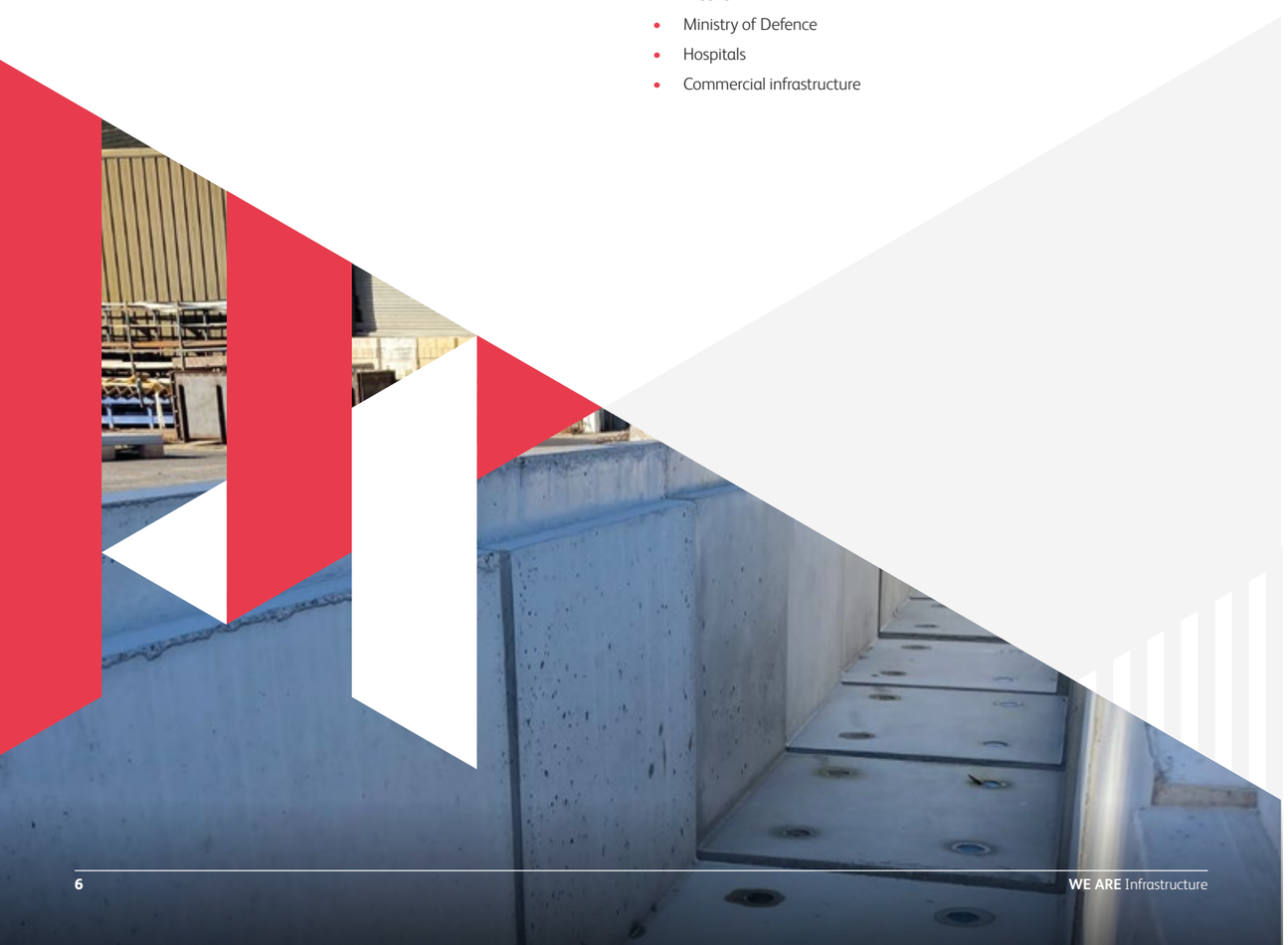
Our range of straight, tee, cornered and angled troughs allow you to easily adapt to the environment you are working in, whether that is requiring the ability to change direction or take off to another part of the construction site.

FEATURES INCLUDE:

- Earth settlement protection
- Protection against malicious damage
- Fire resistance
- Weather resistant to XF4
- Easy access for maintenance and inspection
- High-strength load bearing units up to D400 class
- Tested to BS EN 1433
- UK manufactured

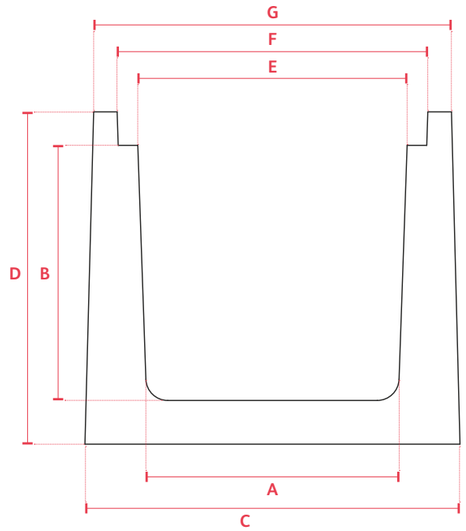
APPLICATION EXAMPLES:

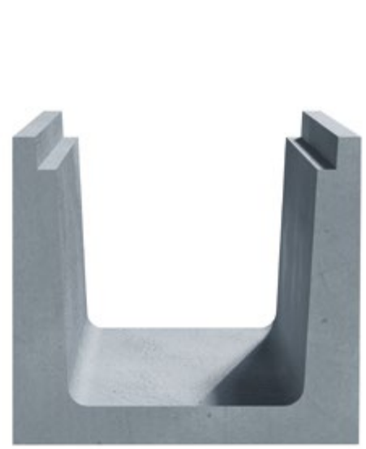
- Utility cabling
- Electrical power supplies
- Gas supplies
- Pipes for chemical supplies
- Pipes for wastage
- Prisons
- Ministry of Defence
- Hospitals
- Commercial infrastructure



STRAIGHT UNIT UTILITY TROUGH

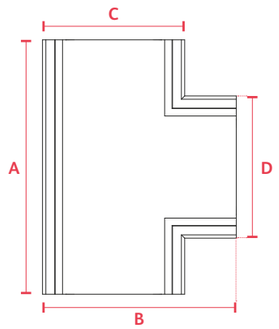
With a 1m length, and a choice of widths and depths, our Utility Troughs and Lids are in compliance with the loading criteria as set out in accordance with BS EN 1433 (Troughs) and BS EN 124 (Lids). All operations are conducted in accordance with BS EN 1433 (Troughs), BS EN 124 (Lids) and covered by BS EN ISO 9001 (quality management) and BS EN ISO 14001 (environmental management) standards. Specials are available on request and will be made to order.

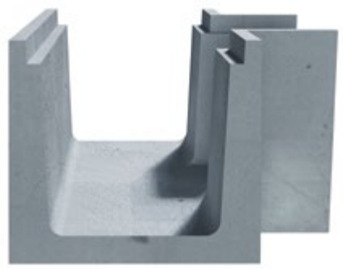




PRODUCT CODE	INTERNAL WIDTH X DEPTH (mm)	LOADING CLASS	REBATE DEPTH (mm)	SELF WEIGHT NOMINAL (Kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
UD450STD	450 x 450	A - D	100	607	450	460	782	690	486	606	746
UDA450STD	450 x 450	A - D	50	621	450	460	782	640	486	605	747
UD600STD	600 x 600	A - D	100	776	600	610	950	840	646	773	906
UDA600STD	600 x 600	A - D	50	790	600	610	950	790	646	770	909
UD750STD	750 x 750	A - D	100	964	750	760	1118	990	803	926	1066
UDA750STD	750 x 750	A - D	50	978	750	760	1118	940	803	923	1069
UD1000STD	1000 x 1000	A - D	100	1558	1000	1010	1460	1270	1071	1187	1393
UDA1000STD	1000 x 1000	A - D	50	1572	1000	1010	1460	1220	1071	1193	1396
UD1250STD	1250 x 1250	A - D	150	1970	1250	1250	1741	1560	1337	1459	1659
UDA1250STD	1250 x 1250	A - D	50	1984	1250	1250	1741	1460	1337	1459	1665

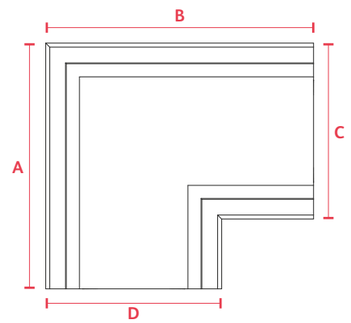
TEE UNIT UTILITY TROUGH

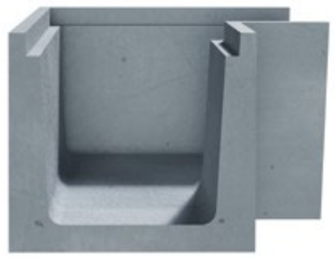




PRODUCT CODE	INTERNAL WIDTH X DEPTH (mm)	REBATE DEPTH (mm)	SELF WEIGHT NOMINAL (Kg)	A (mm)	B (mm)	C (mm)	D (mm)
UD450TEE	450 x 450	100	1079	1500	1207	782	782
UDA450TEE	450 x 450	50	1093	1500	1207	782	782
UD600TEE	600 x 600	100	1334	1500	1382	950	950
UDA600TEE	600 x 600	50	1348	1500	1382	950	950
UD750TEE	750 x 750	100	2088	2000	1535	1118	1118
UDA750TEE	750 x 750	50	2102	2000	1535	1118	1118
UD1000TEE	1000 x 1000	100	3180	2000	1840	1460	1460
UDA1000TEE	1000 x 1000	50	3194	2000	1840	1460	1460
UD1250TEE	1250 x 1250	100	4845	2500	2114	1741	1741
UDA1250TEE	1250 x 1250	50	4859	2500	2114	1741	1741

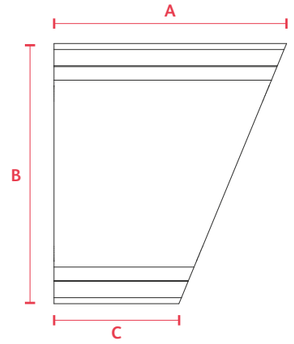
90 DEGREE CORNER UNIT UTILITY TROUGH

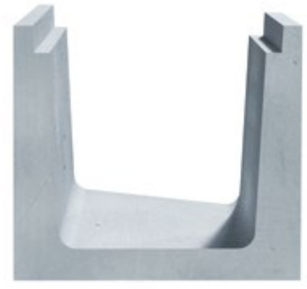




PRODUCT CODE	LENGTH X WIDTH X DEPTH (mm)	REBATE DEPTH (mm)	SELF WEIGHT NOMINAL (Kg)	A (mm)	B (mm)	C (mm)	D (mm)
UD450CRN	450 x 450	100	918	1092	1207	782	782
UDA450CRN	450 x 450	50	932	1092	1207	782	782
UD600CRN	600 x 600	100	1164	1092	1375	950	950
UDA600CRN	600 x 600	50	1178	1092	1375	950	950
UD750CRN	750 x 750	100	1934	1600	1535	1118	1118
UDA750CRN	750 x 750	50	1948	1600	1535	1118	1118
UD1000CRN	1000 x 1000	100	3105	1646	1840	1460	1460
UDA1000CRN	1000 x 1000	50	3119	1646	1840	1460	1460
UD1250CRN	1250 x 1250	100	4600	2145	2114	1741	1741
UDA1250CRN	1250 x 1250	50	4614	2145	2114	1741	1741

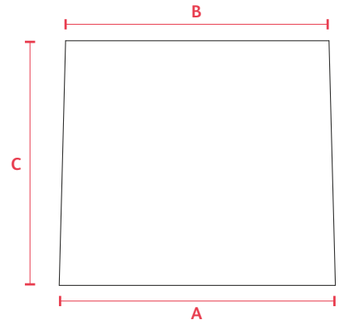
22.5 DEGREE ANGLED UTILITY TROUGH





PRODUCT CODE	LENGTH X WIDTH X DEPTH (mm)	REBATE DEPTH (mm)	SELF WEIGHT NOMINAL (Kg)	A (mm)	B (mm)	C (mm)
UD400225L/R	450 x 450	100	513	990	782	676
UDA400225L/R	450 x 450	50	527	990	782	676
UD600225L/R	600 x 600	100	623	990	950	606
UDA600225L/R	600 x 600	50	637	990	950	606
UD750225L/R	750 x 750	100	741	990	1118	537
UDA750225L/R	750 x 750	50	755	990	1118	537
UD1000225L/R	1000 x 1000	100	1866	1490	1460	895
UDA1000225L/R	1000 x 1000	50	1880	1490	1460	895
UD1250225L/R	1250 x 1250	100	2241	1490	1741	779
UDA1250225L/R	1250 x 1250	50	2241	1490	1741	779

STOP END UNITS



PRODUCT CODE	LENGTH X WIDTH X DEPTH (mm)	SELF WEIGHT NOMINAL (Kg)	A (mm)	B (mm)	C (mm)	D (mm)
UD450STP	782 X 690 X 130	177	782	746	690	130
UD600STP	950 x 840 x 130	264	950	906	840	130
UD750STP	1118 x 990 x 130	372	1118	1066	990	130
UD1000STP	1460 x 1270 x 130	626	1460	1393	1270	130
UD1250STP	1741 x 1560 x 160	1095	1741	1661	1560	160

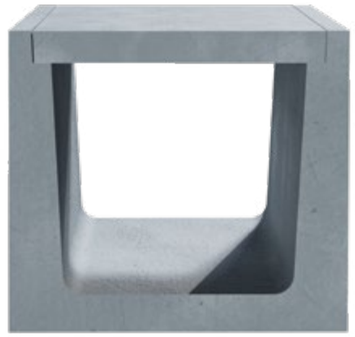
UTILITY TROUGH LIDS

SCAN THE QR CODE FOR MORE INFORMATION ON OUR RANGE OF CONCRETE AND GRP LIDS.

We have a full range of compatible precast concrete, steel tray and GRP (Glass Reinforced Polymer) composite lids.

All lids protect access, prevent accidental damage whilst offering easy access for maintenance and repair.

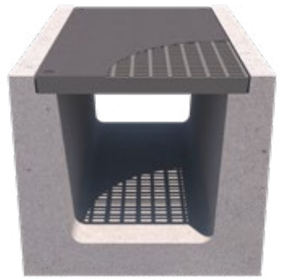
All lids are rated in accordance to BS EN 124.



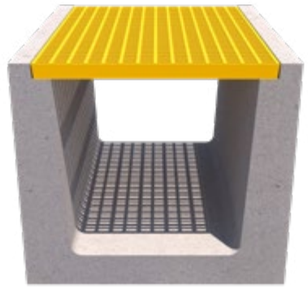
dura composites

Our GRP lids have been developed in partnership with Dura, a leading supplier of composite products.

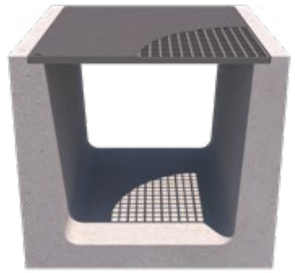
450MM TROUGH
(53mm Rect Solid Top)



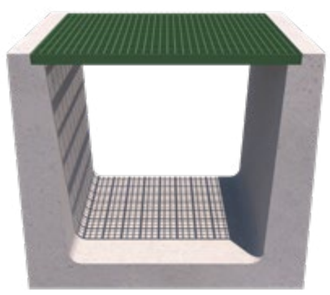
600MM TROUGH
(50mm Rect Grating)



750MM TROUGH
(29mm Solid Top)



1000MM TROUGH
(50mm Standard Grating)



600MM TROUGH
(50mm Rect Grating)

750MM TROUGH
(29mm Solid Top)

GRP SOLID TOP LID

DUCT	REFERENCE	DESCRIPTION	LOADING GROUP CLASS TO BS EN 124	S/W NOM (Kg)	A (mm)	B (mm)	C (mm)
450	GRP Solid Top Lid	GRP Solid Top Lid to fit 450 wide trough with 50 deep rebate 5T SWL - 11.5T SWL	B, C, D	10.6	609	609	50/100
600	GRP Solid Top Lid	GRP Solid Top Lid to fit 600 wide trough with 50 deep rebate 5T SWL - 11.5T SWL	B, C, D	12.8	734	734	50/100
750	GRP Solid Top Lid	GRP Solid Top Lid to fit 750 wide trough with 50 deep rebate 1.5T SWL - 6.5T SWL	A, B, C	27.6	929	929	50/100
1000	GRP Solid Top Lid	GRP Solid Top Lid to fit 1000 wide trough with 50 deep rebate 1.5T SWL - 6.5T SWL	A, B, C	35.7	1204	1204	50/100

5T CONCRETE LID

DUCT	REFERENCE	DESCRIPTION	LOADING GROUP CLASS TO BS EN 124	S/W NOM (Kg)	A (mm)	B (mm)	C (mm)
450	5T Concrete Lid	Reinforced concrete recessed Lid to fit 450 wide trough with 100 deep rebate 5T SWL	A & B	76.0	619	599	100
600	5T Concrete Lid	Reinforced concrete recessed Lid to fit 600 wide trough with 100 deep rebate 5T SWL	A & B	91.4	744	724	100
750	5T Concrete Lid	Reinforced concrete recessed Lid to fit 750 wide trough with 100 deep rebate 5T SWL	A & B	116.9	949	929	100
1000	5T Concrete Lid	Reinforced concrete recessed Lid to fit 1000 wide trough with 100 deep rebate 5T SWL	A & B	151.1	1224	1204	100
1250	5T Concrete Lid	Reinforced concrete recessed Lid to fit 1250 wide trough with 150 deep rebate 5T SWL	A & B	263.0	1499	1469	150

11.5T RECESSED STEEL TRAY LID

DUCT	REFERENCE	DESCRIPTION	LOADING GROUP CLASS TO BS EN 124	S/W NOM (Kg)	A (mm)	B (mm)	C (mm)
450	11.5T Recessed Steel Tray Lid	Composite (steel tray + concrete infill) Lid to fit 450 wide trough with 100 deep rebate 11.5T SWL	C & D	76.0	619	599	100
600	11.5T Recessed Steel Tray Lid	Composite (steel tray + concrete infill) Lid to fit 600 wide trough with 100 deep rebate 11.5T SWL	C & D	91.4	744	724	100
750	11.5T Recessed Steel Tray Lid	Composite (steel tray + concrete infill) Lid to fit 750 wide trough with 100 deep rebate 11.5T SWL	C & D	116.9	949	929	100
1000	11.5T Recessed Steel Tray Lid	Composite (steel tray + concrete infill) Lid to fit 1000 wide trough with 100 deep rebate 11.5T SWL	C & D	151.1	1224	1204	100
1250	11.5T Recessed Steel Tray Lid	Composite (steel tray + concrete infill) Lid to fit 1250 wide trough with 150 deep rebate 11.5T SWL	C & D	279.0	1499	1479	150

11.5T RC TOP HAT LID

DUCT	REFERENCE	DESCRIPTION	LOADING GROUP CLASS TO BS EN 124	S/W NOM (Kg)	A (mm)	B (mm)	C (mm)
750	11.5T RC Top Hat Lid	Reinforced concrete top hat Lid to fit 750 wide trough 11.5T SWL	C & D	307.0	1125	905	250
1000	11.5T RC Top Hat Lid	Reinforced concrete top hat Lid to fit 1000 wide trough 11.5T SWL	C & D	391.0	1425	1205	225
1250	11.5T RC Top Hat Lid	Reinforced concrete top hat Lid to fit 1250 wide trough 11.5T SWL	C & D	468.0	1700	1480	225

INSTALLATION GUIDE

INSTALLATION PROCEDURE

1. Prepare formation to required level and lay granular/concrete base to required thickness.

2. Position trough using cast in lifting sockets to required line and level.

3. Position adjacent trough and, where required, apply polyurethane sealant between units.

4. Place stone/concrete haunching to sides of trough as installation proceeds and where required.
5. Continue installation procedure to form required length of ducting.

6. Carefully place suitable backfill material around trough to re-form required finished levels.
7. Install adjacent construction.
8. Install services into ducting.

NOTES

1. The information provided is for guidance only and should be reviewed with regard to actual ground conditions, and applied loading.
2. A mortar bed (min 25mm thickness) may be provided between trough and stone/concrete bedding to aid alignment and setting out.
3. Where troughs are laid to provide a sealed unit, or where the haunching serves to retain water, the formation of a sump may be necessary – please liaise directly with project engineer/designer.
4. Where units are to be sealed, a proprietary polyurethane sealant may be used.
5. Changes in direction can be achieved by using tees, corners and angled units. Various sizes and configurations are available including stop ends. Please contact us for further details.
6. In locations where vehicles will be moving over the installed units/lids, to minimise the risk of movement, lids should be seated on a minimum thickness of 2mm rubber bearing strip to reduce noise and vibration effects.
7. Parallel lengths of troughs should not be installed immediately adjacent to each other. However, subject to actual loading conditions, this may be acceptable. Please liaise directly with the project engineer/designer.

OUR SUSTAINABILITY COMMITMENT

The rail industry has embraced the need for carbon reduction and understands the challenges facing transport goals of delivering rail travel that is being among the most efficient and with the lowest emitting modes. All those involved in the industry have a part to play in this and Anderton, a part of Ibstock plc, is no exception.

Our guiding purpose is to build a better world by being at the heart of building. To achieve this, we have developed an Environmental, Social and Governance Strategy, our ESG Strategy 2030, simplifying the way we articulate our goals and ambitions.

Please scan the QR code to find out more.

Carbon reduction
Reduce absolute Carbon (Scope 1 and 2) by 40 % against 2019 baseline.

Water efficiency
Reduce mains water use by 25 % per tonne of production against a 2019 baseline.

Biodiversity net gain
Achieve Biodiversity Net Gain across our estate using Biodiversity Metric 2.0.

Product innovation
Achieve 20 % sales turnover from new products and solutions that deliver customer value and improved sustainability.

Dematerialisation
Reduce raw materials consumption with a focus on plastics, secondary aggregate and cementitious replacements.

Circular economy
Embed circular economy principles into the business, prioritising zero waste and driving demand for secondary materials markets.

Health, safety & wellbeing
Ensure all our employees can be at their best more of the time through our health, safety and wellbeing strategies.

Inspiring futures
Provide development and growth for all, with every employee developing their skills annually and 10 % in Earn and Learn positions.

Employee experience
Increase female senior leadership representation to 40 % by 2027 as part of our proactive approach to diversity and inclusion.

2018

Achieving initial goals

- 100 % electricity from renewable sources
- Solar Park at Ibstock HQ delivering energy to site
- 17 % reduction in CO_2 per tonne of production (against 2015 baseline)
- 8 % reduction in mains water per tonne of production (against 2015 baseline)

2022

Accelerating change

- Energy from alternative sources
- 100 % of Mobile Plant and company cars hybrid and/or electric
- Biodiversity Net Gain
- Commissioning of Atlas factory (net zero operations)
- Commissioning of Nostell Brick slips systems factory (net zero operations)
- Further major capital investments
- Develop scope 3 emissions strategy

2030

Scaling solutions

- Energy from alternative sources
- Expansion of diversified product portfolio
- Core products = low carbon products
- Circularity embedded
- Carbon capture use and storage scaled
- Balance any remaining emissions that cannot be eliminated with natural or technical solutions

2040

NET ZERO BY 2040

IBSTOCK RAIL & INFRASTRUCTURE

Units 1 & 2, Cosgrove Business Park, Soot Hill,
Anderton, Northwich, Cheshire CW9 6AA

www.ibstock.co.uk/railandinfrastructure

RAIL

T: 0333 234 34 34
E: anderton.rail@ibstock.co.uk

STRUCTURAL PRODUCTS & SALES

T: 0333 234 34 34
E: anderton.structural@ibstock.co.uk

BESPOKE PRODUCTS

T: 0333 234 34 34
E: anderton.bespoke@ibstock.co.uk

Ibstock
At the heart of building