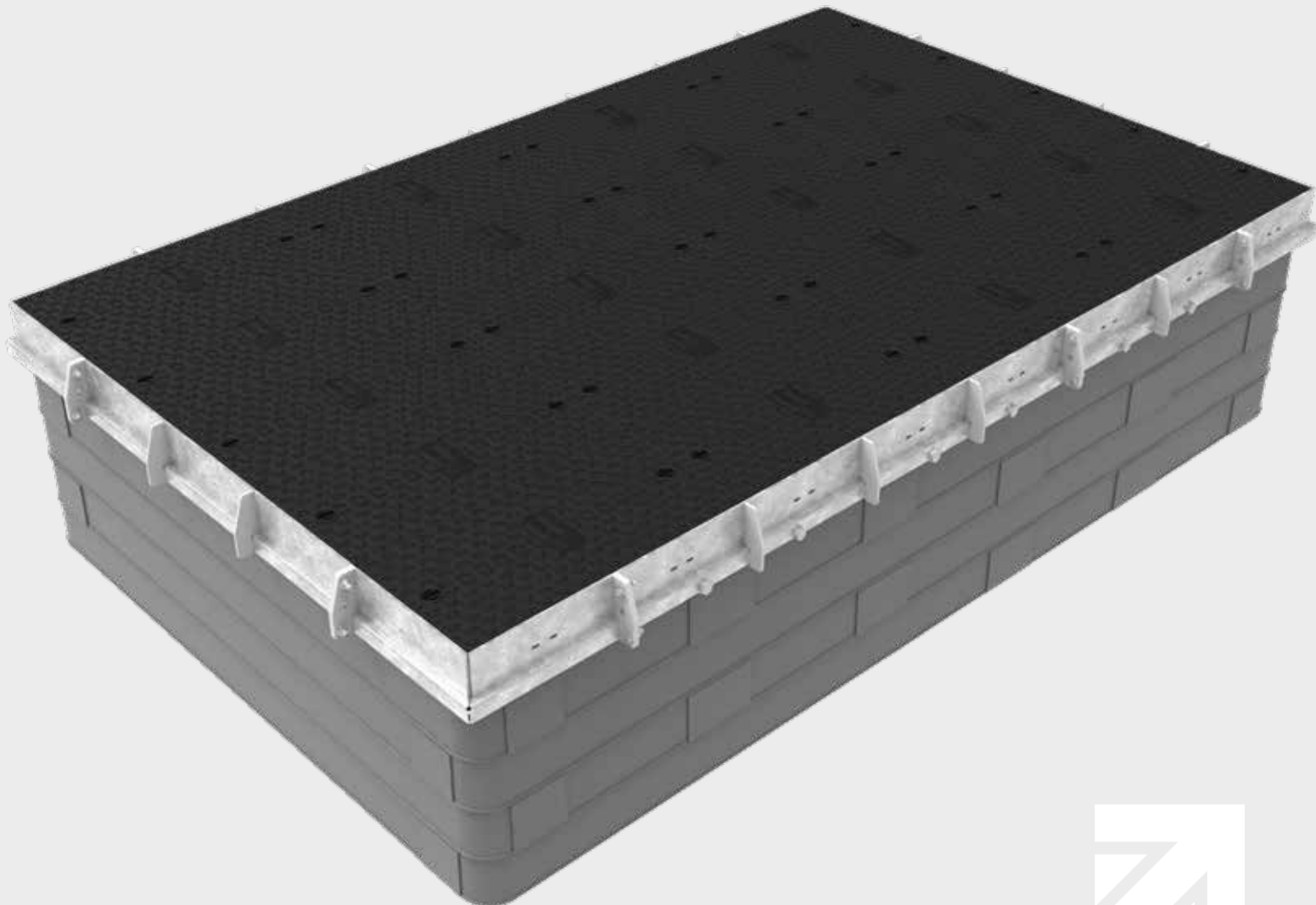


D400 Composite Access Cover





Innovative and Sustainable Infrastructure Solutions

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Last updated: 08/07/2026

Cubis Systems redefines network access for modern infrastructure.

A sustainable manufacturing leader, we specialise in composite solutions for underground utilities. Our product portfolio includes network access chambers, covers, cable protection systems, and a range of construction accessories.

Importantly, these solutions are modular, scalable, and lightweight. All of which means that they can be built on-site with speed and ease.

With significant – and measurable – benefits across sustainability, safety, and resource-savings, our solutions are designed to tackle your infrastructure challenges head-on.

The Cubis Systems access cover range

We supply a range of access covers to suit your required application.

Depending on your project, we can offer covers in 4 materials:

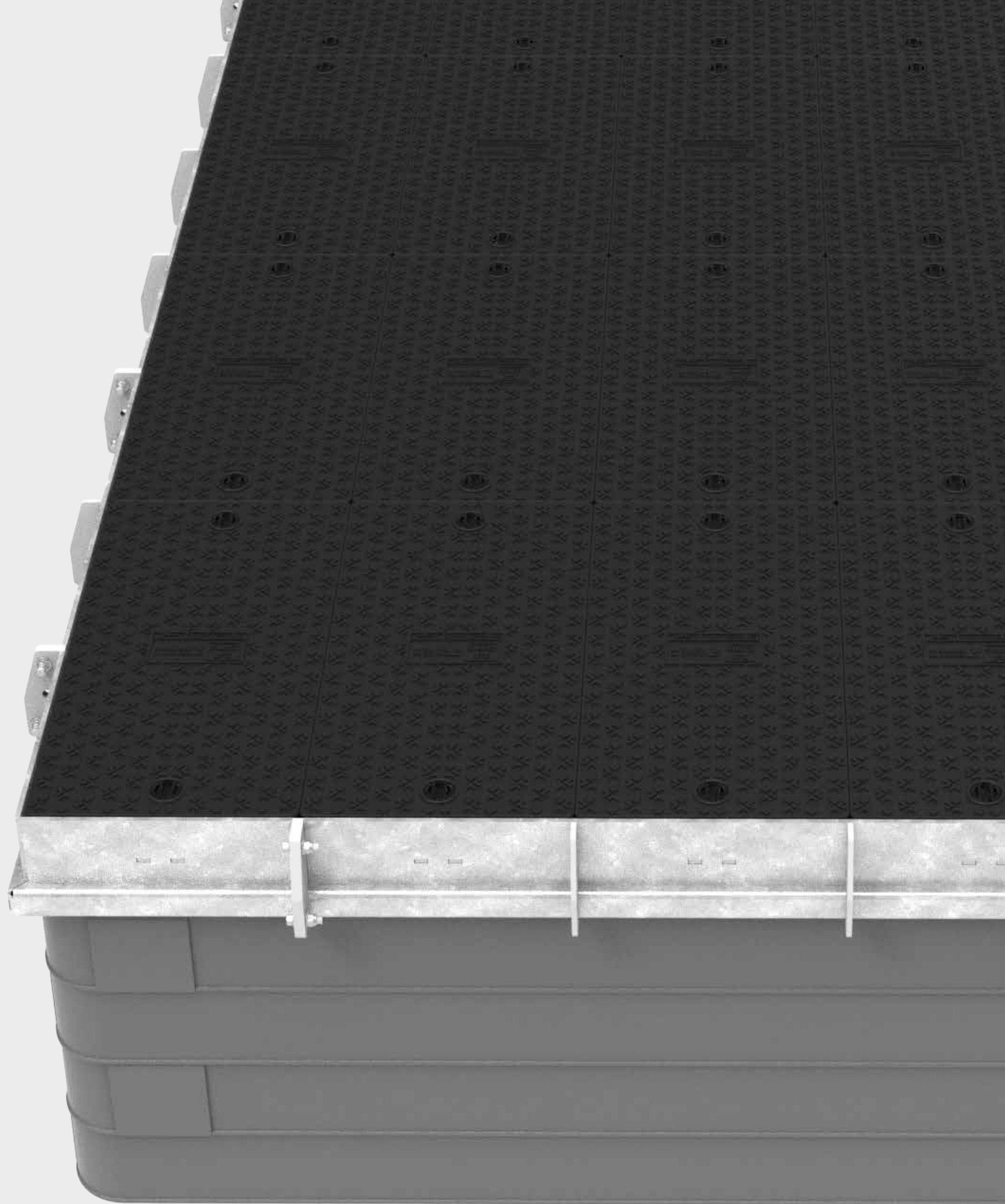
Composite
Built from lightweight but high-strength composite materials. Now available in D400 load rating.

Concrete
Infilled with concrete, and suitable for installation in environments rated to B125 under EN124.

Recessed
Recessed tray accepts any paving or tile insert to maintain a desired look. Kite-marked up to B125.

Ductile
Made of quality 500/7 grade ductile iron. Suitable for installation in environments rated up to F900.





Introducing the D400 composite cover range

Get heavy-duty performance from a lightweight 24kg cover. Our D400 composite access cover range offers a significantly safer and easier installation option than traditional covers – without compromising on strength.

Ductile, precast and cover slabs provide varying options for access, but can prove time consuming to install due to weight. They can also pose issues with access through limited clear opening sizes.

Our D400 composite system introduces a smarter alternative based on modularity, easy handling, maximum clear opening access, and on-site adaptability.

Reduced
carbon
impact

Reduced
install
times

Reduced
civils- and
cost



Features & Benefits



Full access without machinery. D400 strength within a compact, lightweight cover that doesn't need to be hinged or gas-assisted to lift.



Flexible, multispans design. Support multiple covers within our multispans frame – giving you adaptability across varying site conditions and chamber configurations.



Safe manual handling. At 24kg per access cover, you can install quickly and safely by hand – reducing risk, plant, and installation time.



Modular construction. Sits within a fabricated steel frame built up of modular components – flat-packable for added site convenience.



Self-locking mechanism. Supplied with a dual-purpose lifting and locking aid – simply lock the cover via a quarter turn locking latch.



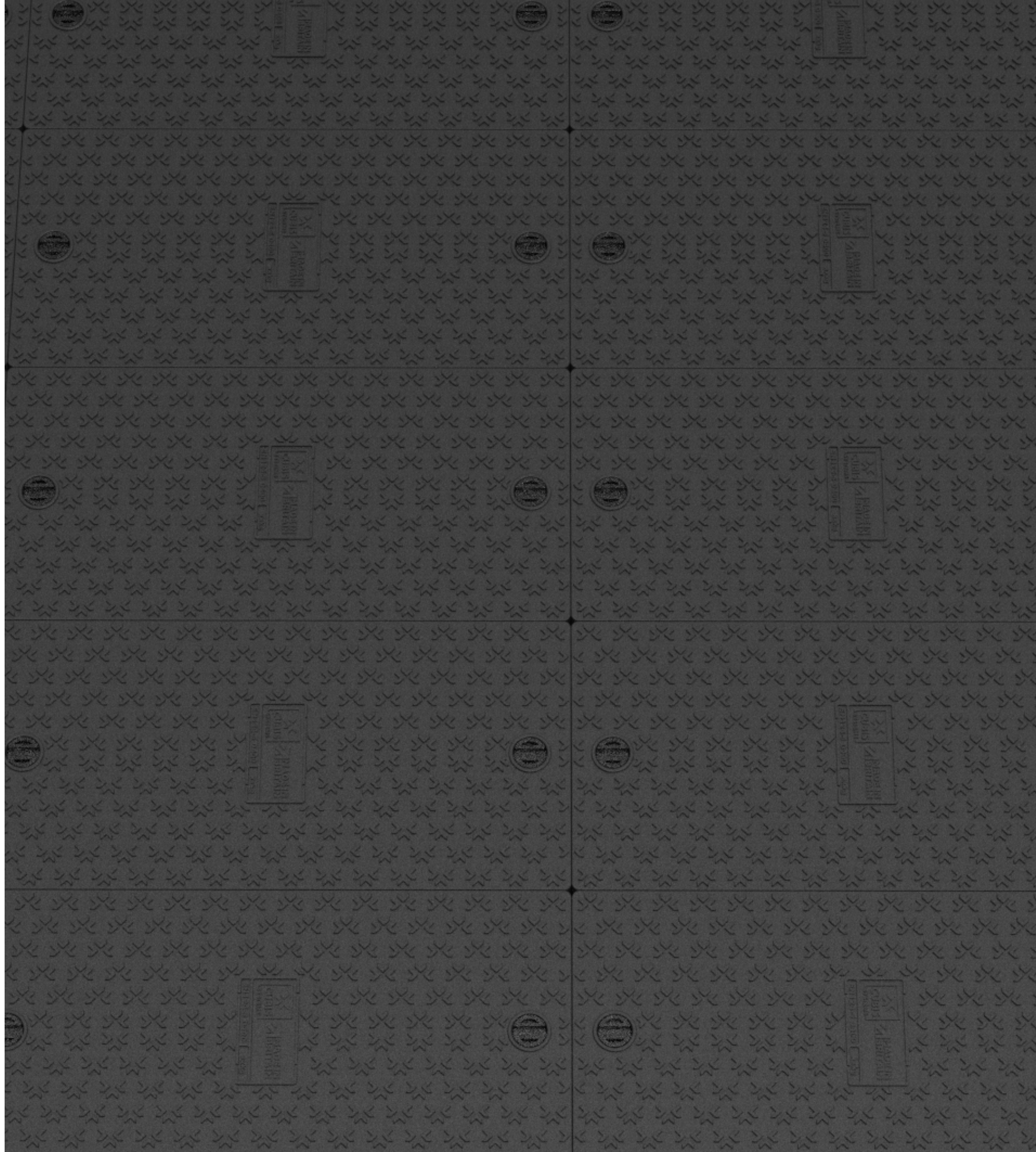
Anti-slip & customisable design. Incorporates our bespoke, non-slip tread pattern – with allocated space to hold any custom badging options for the asset owner.



Maximises clear opening spaces. Floating beam design means that all covers and its system components are easily removable to maximise working areas for both installation and maintenance.



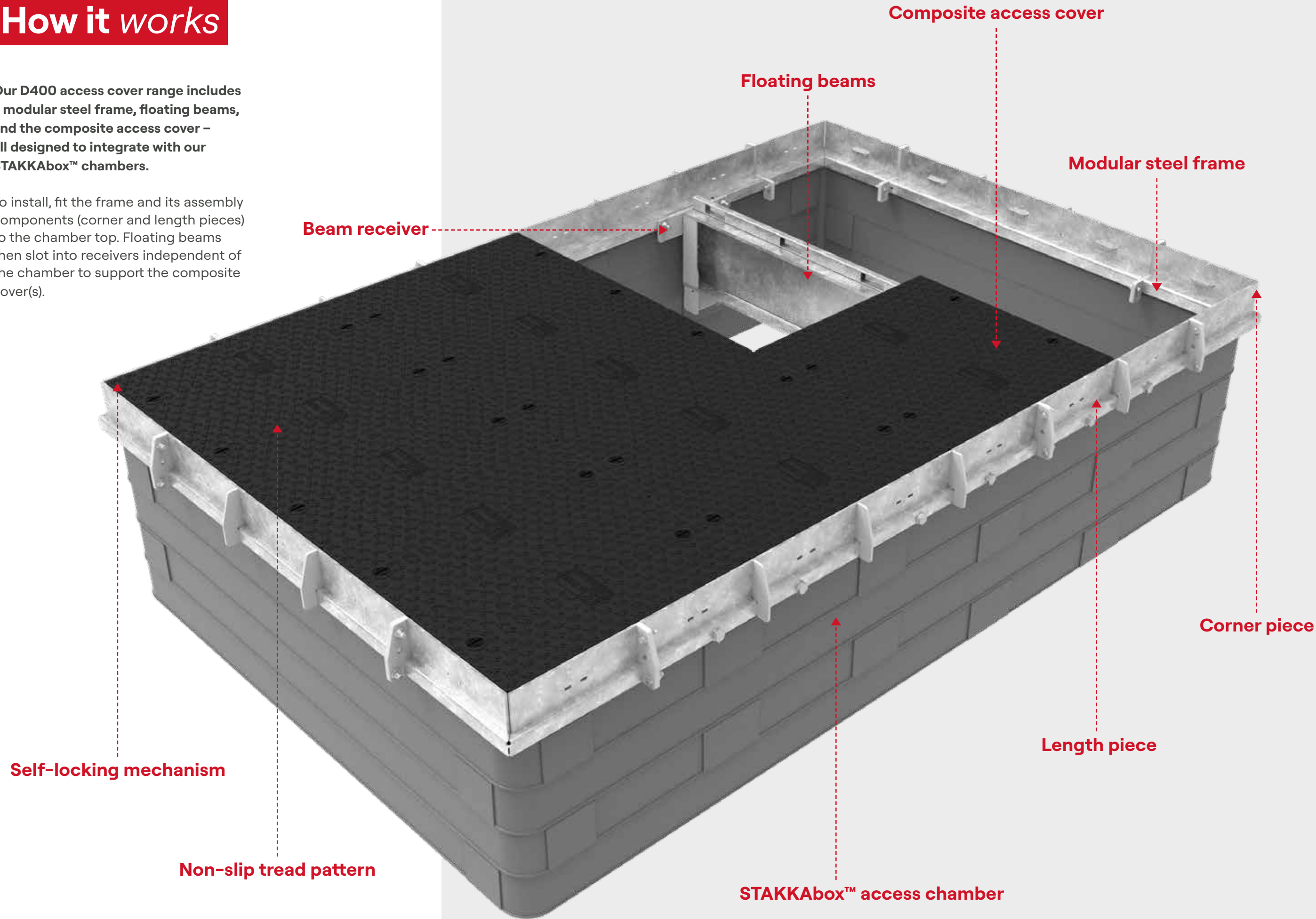
Seamless installation. Cover and frame options offer compatibility with our STAKKAbox™ access chamber offerings for a coordinated, structural solution.



How it works

Our D400 access cover range includes a modular steel frame, floating beams, and the composite access cover – all designed to integrate with our STAKKAbox™ chambers.

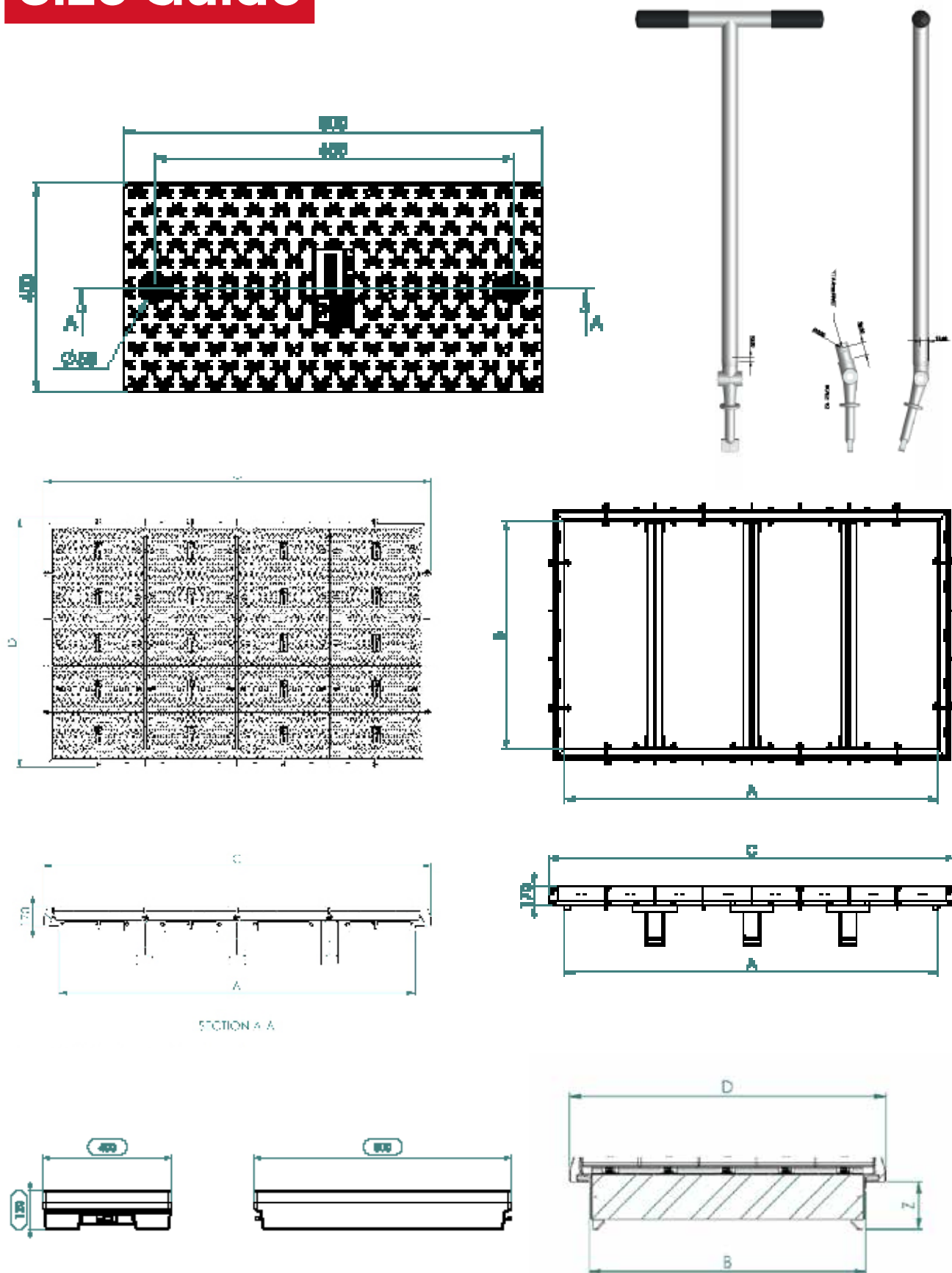
To install, fit the frame and its assembly components (corner and length pieces) to the chamber top. Floating beams then slot into receivers independent of the chamber to support the composite cover(s).



Access Cover

Product

Size Guide

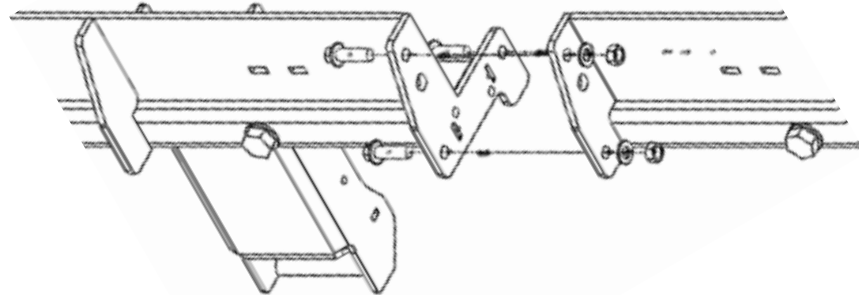


Dimensions (mm)					Covers	Beams			Total Weight of Frame & Cover (kg)
Chamber Reference	Internal Length (A)	Internal Width (B)	External Length (C)	External Width (D)	Quantity	No. of Beams	Beam Depth Below Frame (Z)	Individual Beam Weight (kg)	
1500x1100	1500	1100	1758	1358	6	1	333	36.3	308
1900x1500	1500	1900	1758	2158	10	1	333	79.8	476
2700x1500	1500	2700	1758	2958	14	1	382	137.7	665
2300x1100	2300	1100	2558	1358	9	2	333	36.3	462
2300x1500	2300	1500	2558	1758	12	2	333	49.5	574
2300x1900	2300	1900	2558	2158	15	2	333	79.8	722
2300x2300	2300	2300	2558	2558	18	2	382	117.3	892
2700x2300	2300	2700	2558	2958	21	2	382	137.7	1021
3100x1100	3100	1100	3358	1358	12	3	333	36.3	619
3100x1500	3100	1500	3358	1758	16	3	333	49.5	768
3100x1900	3100	1900	3358	2158	20	3	333	79.8	971
3100x2300	3100	2300	3358	2558	24	3	382	117.3	1206
3100x2700	3100	2700	3358	2958	28	3	382	137.7	1379
3100x3100	3100	3100	3358	3358	32	3	429	167.4	1580
3900x1100	3900	1100	4158	1358	15	4	333	36.3	773
3900x1500	3900	1500	4158	1758	20	4	333	49.5	959
3900x1900	3900	1900	4158	2158	25	4	333	79.8	1217
3900x2300	3900	2300	4158	2558	30	4	382	117.3	1517
3900x2700	3900	2700	4158	2958	35	4	382	137.7	1734
3900x3100	3900	3100	4158	3358	40	4	429	167.4	1989
4700x1100	4700	1100	4958	1358	18	5	333	36.3	931
4700x1500	4700	1500	4958	1758	24	5	333	49.5	1153
4700x1900	4700	1900	4958	2158	30	5	333	79.8	1465
4700x2300	4700	2300	4958	2558	36	5	382	117.3	1832
4700x2700	4700	2700	4958	2958	42	5	382	137.7	2092
4700x3100	4700	3100	4958	3358	48	5	429	167.4	2401
5500x1100	5500	1100	5758	1358	21	6	333	36.3	1085
5500x1500	5500	1500	5758	1758	28	6	333	49.5	1344
5500x1900	5500	1900	5758	2158	35	6	333	79.8	1711
5500x2300	5500	2300	5758	2558	42	6	382	117.3	2143
5500x2700	5500	2700	5758	2958	49	6	382	137.7	2448
5500x3100	5500	3100	5758	3358	56	6	429	167.4	2811
6300x1100	6300	1100	6558	1358	24	7	333	36.3	1242
6300x1500	6300	1500	6558	1758	32	7	333	49.5	1537
6300x1900	6300	1900	6558	2158	40	7	333	79.8	1960
6300x2300	6300	2300	6558	2558	48	7	382	117.3	2457
6300x2700	6300	2700	6558	2958	56	7	382	137.7	2806
6300x3100	6300	3100	6558	3358	64	7	429	167.4	3223

Assembly Guide *Frame*

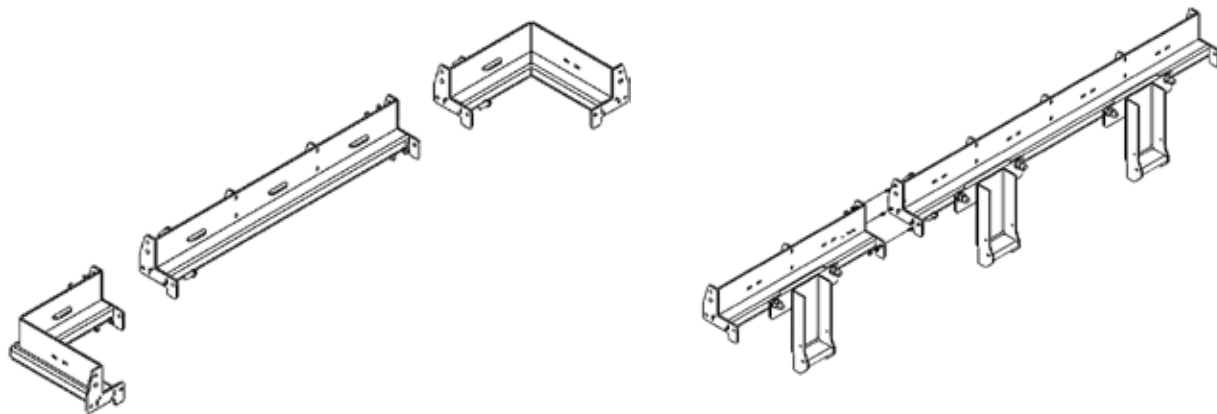
1 Sub assembly joints

Not required to fully tighten bolts to previously specified torque until step 3.

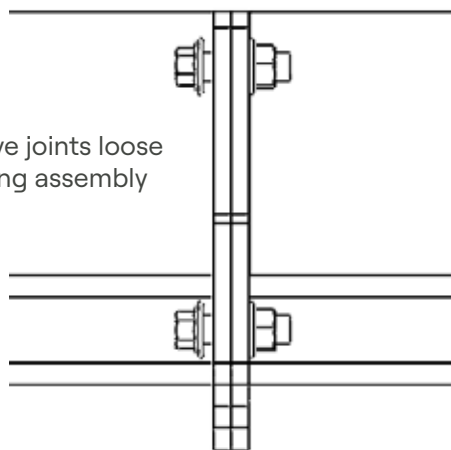


2 Width and length assembly

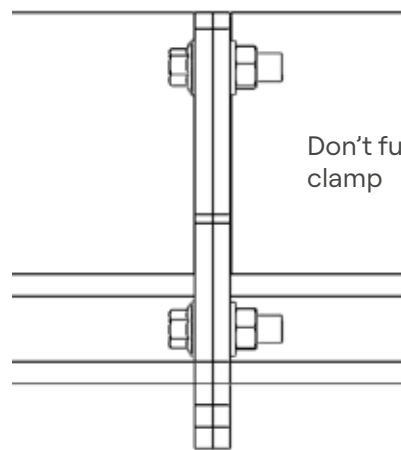
Can include multiple width profiles to make up longer frame widths



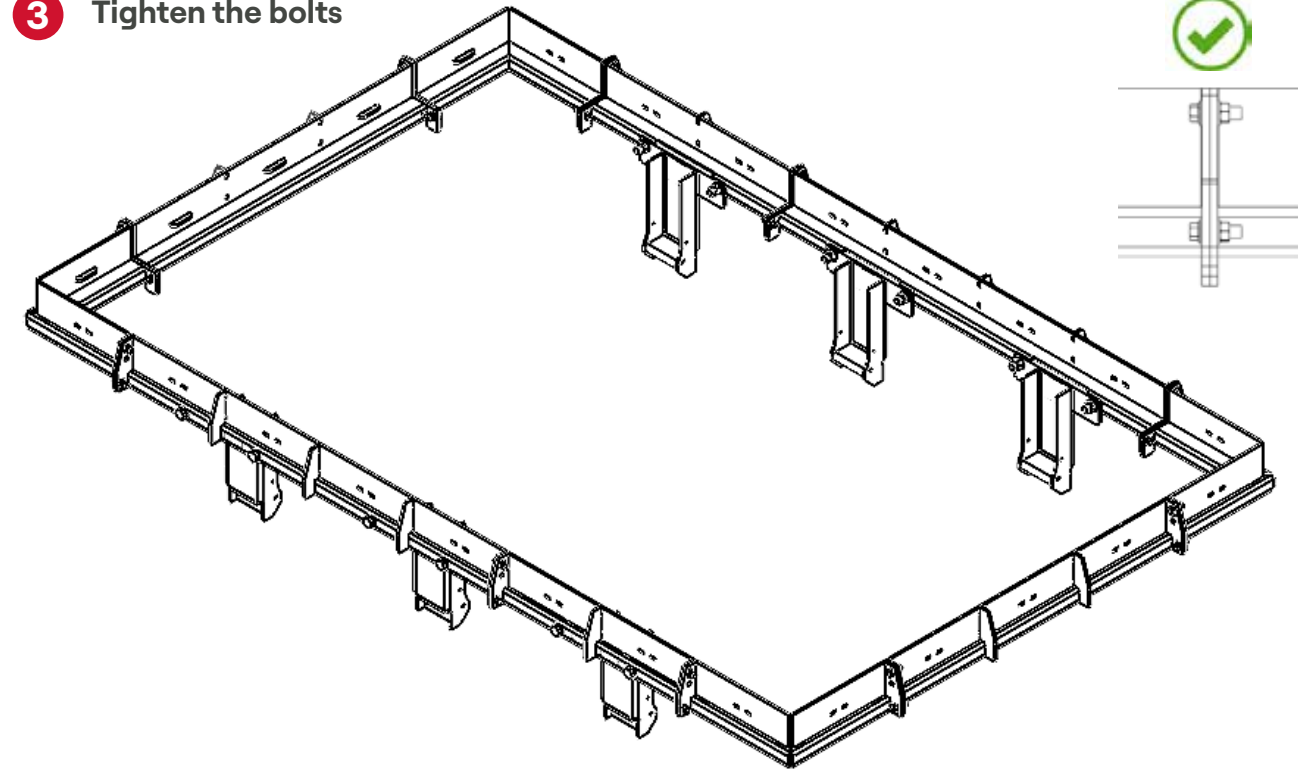
Leave joints loose during assembly



Don't fully engage clamp

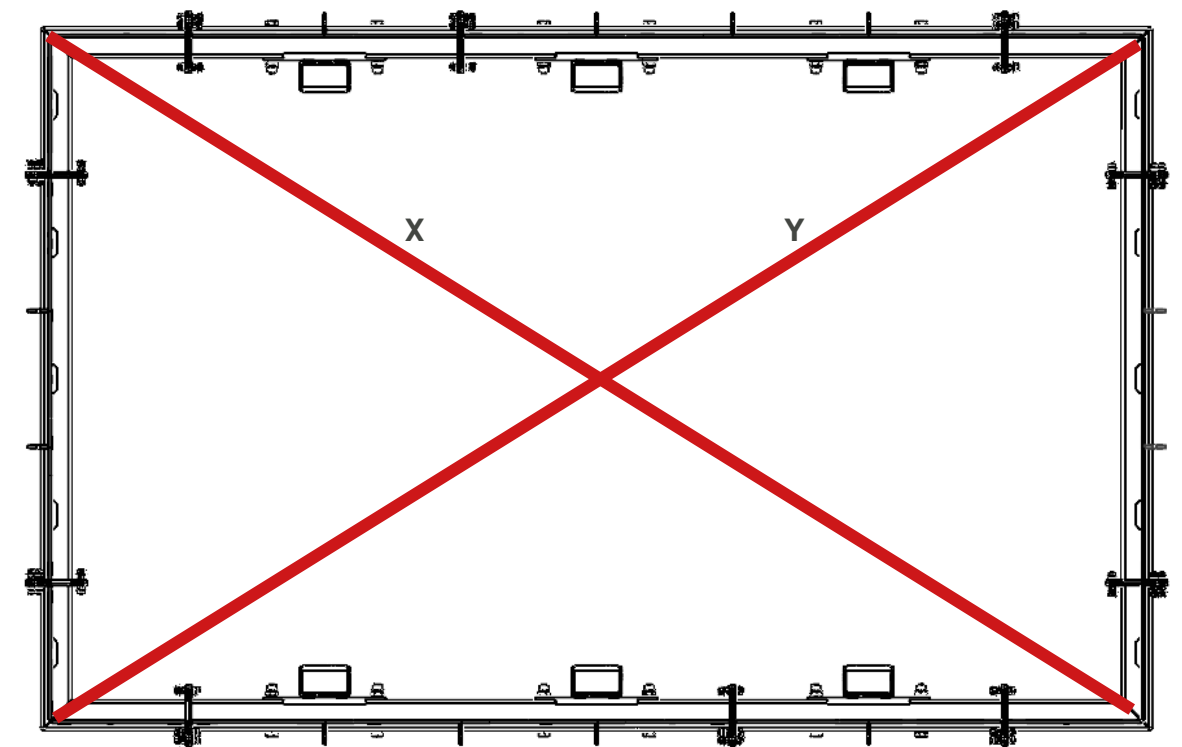


3 Tighten the bolts



4 Measure squareness of assembled frame

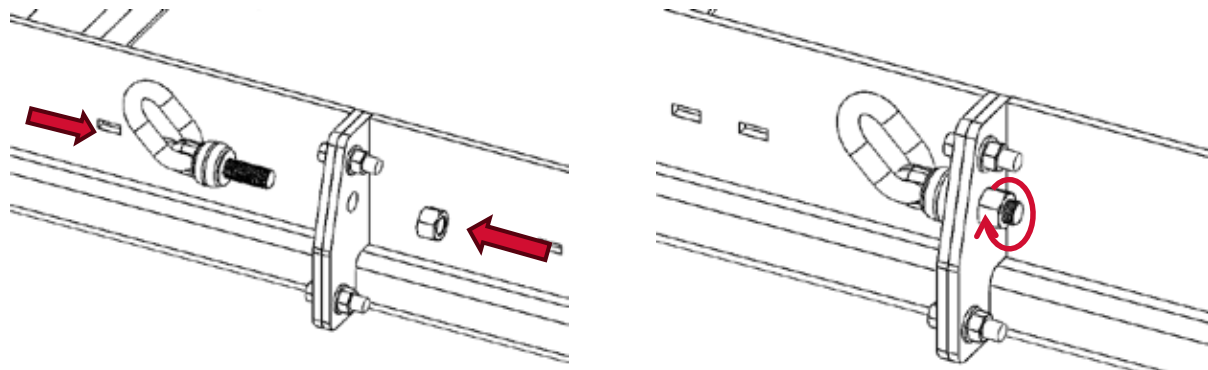
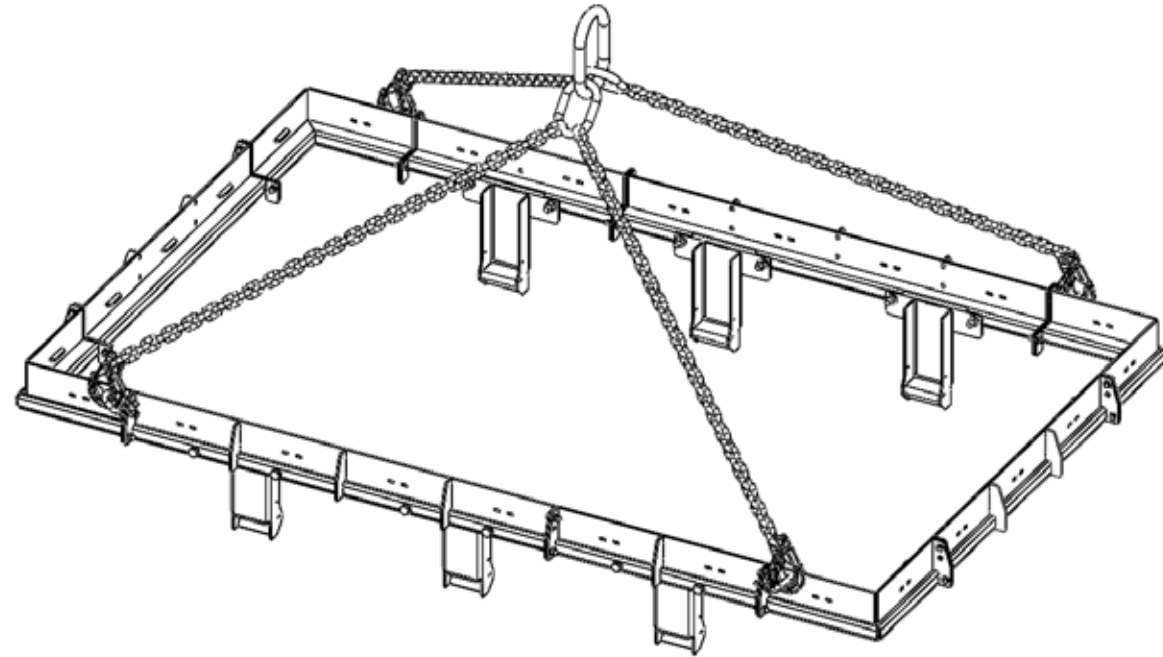
To ensure proper cover assembly, measure and confirm squareness of the frame. $X=Y$



Assembly Guide *Frame*

5 Lifting of frame onto chamber

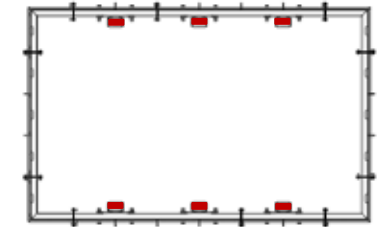
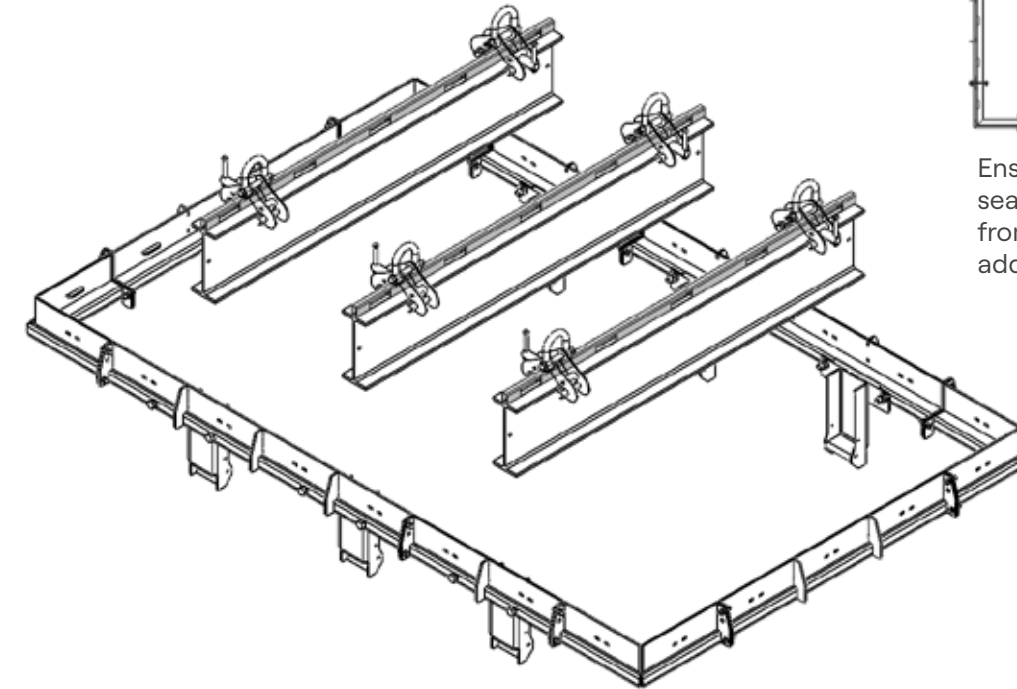
Potential step: Please note this step is only required for when frames are built off chamber.



DO NOT: Lift frame onto the chamber with beams in frame. Lifting beams and placing in beam pockets is a later step.

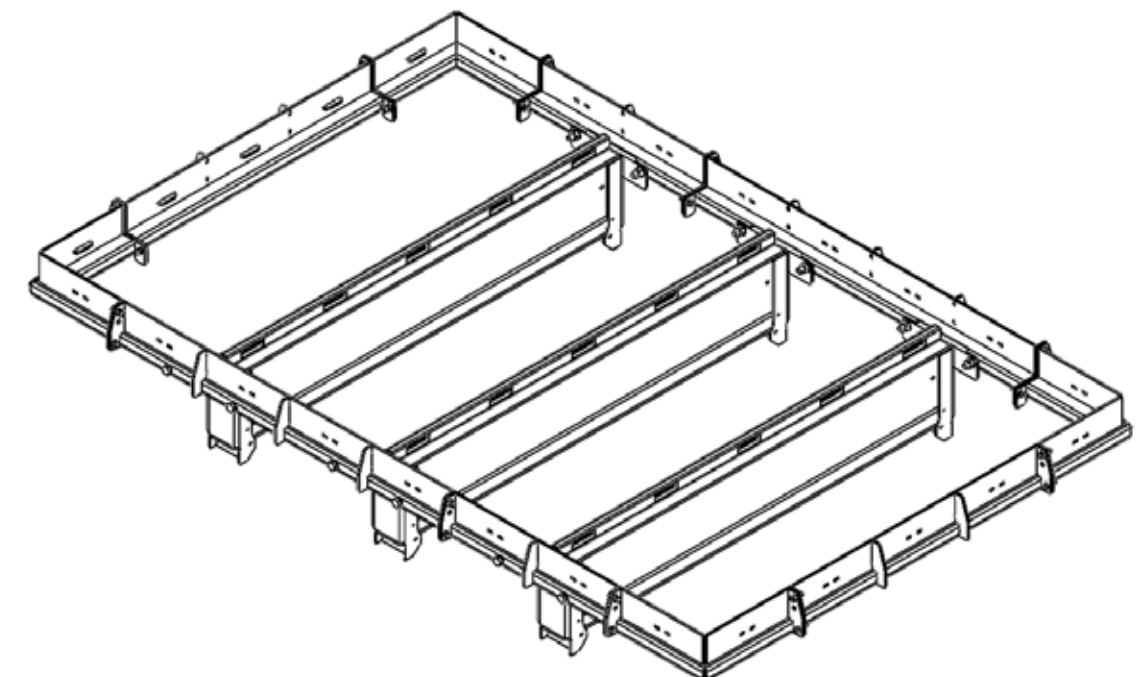
6 Add the beams

Refer to size specific frame drawing for correct beam size. Recommended Beam Clamp Yale YC5 or equivalent to lift beams into place.



Ensure all 'Beam Pocket' seating surfaces are free from dirt and debris before adding beams.

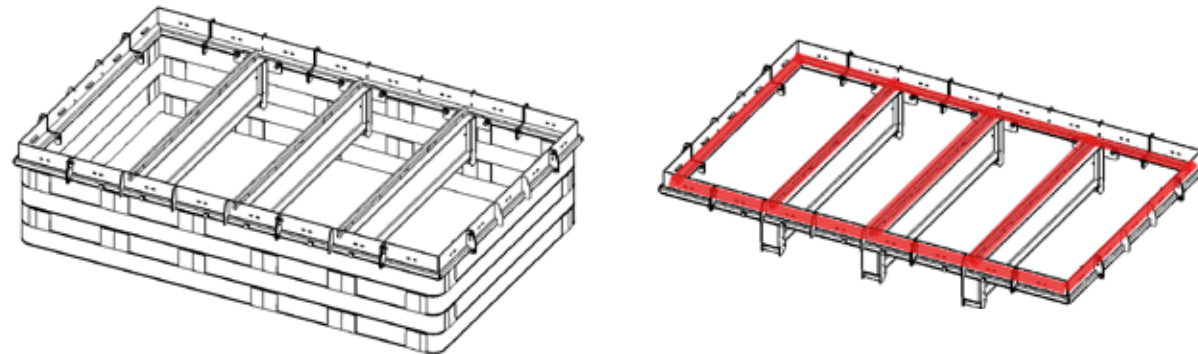
7 Complete assembly



Assembly Guide Covers

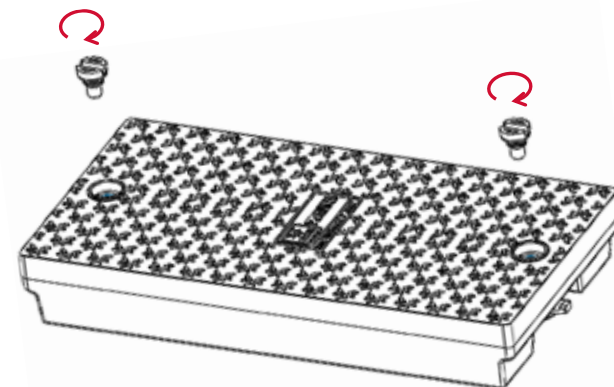
1 Frame preparation

Ensure all seating surfaces (on frame and beam assemblies) are free from dirt / debris.

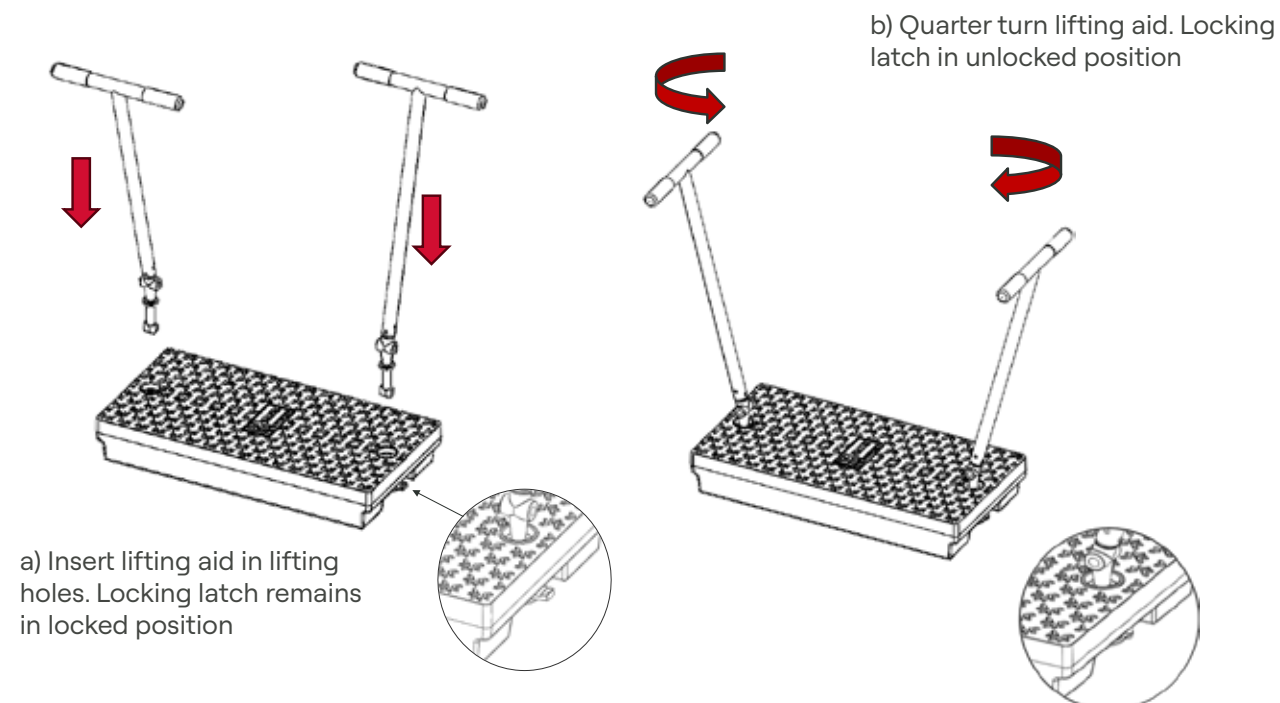


2 Cover preparation

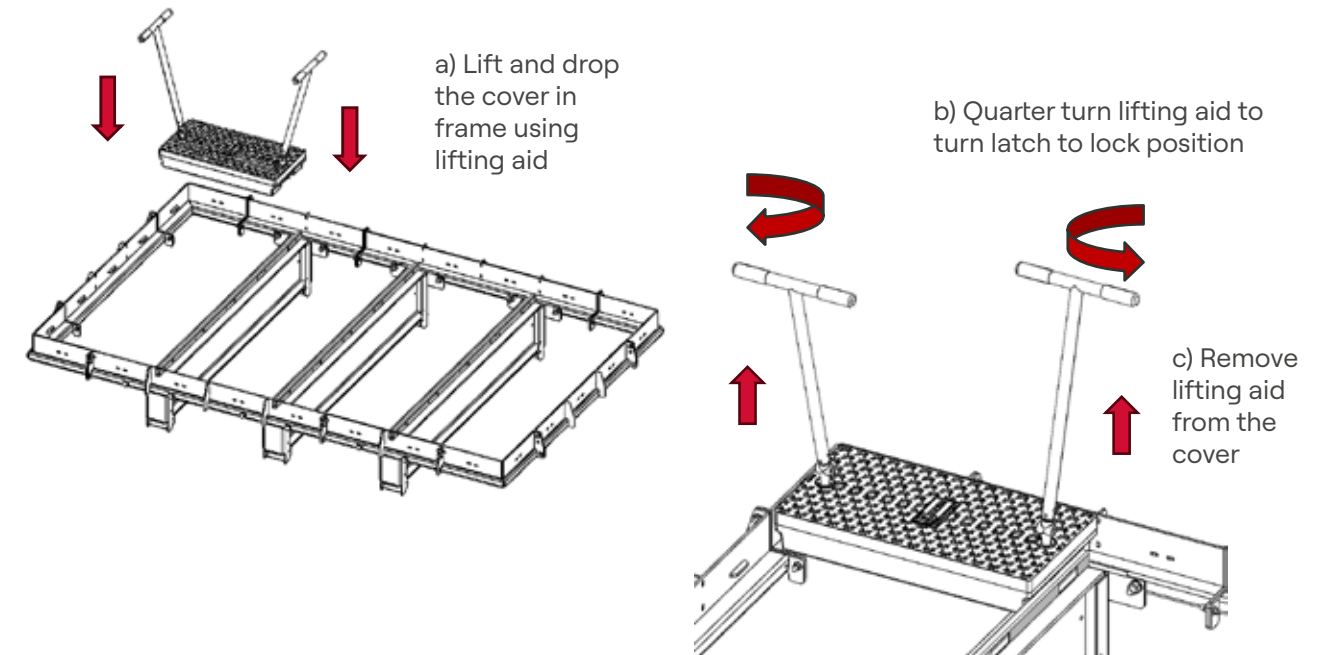
Remove lock caps. Covers are always in locked state until latch is turned using lifting aid/key



3 Lifting covers using lifting aid

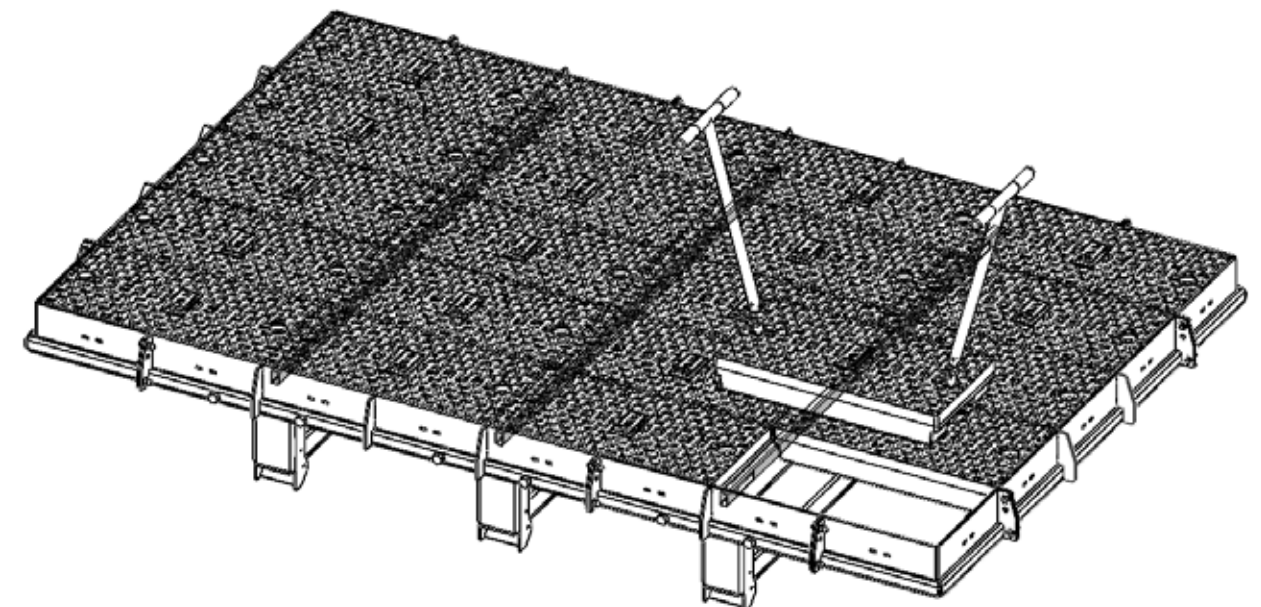


4 Lifting covers using lifting aid and assembly on frame



5 Add remaining covers

Repeat steps 3 and 4 for remaining covers. Ensure all covers are in the correct orientation.



Specify in your projects

Build with BIM precision

Our free BIM configurator tool helps you add the D400 cover (and any other Cubis products) to your plan. You can specify, design, and deliver with confidence.

- Drop CAD-ready models into your designs
- Access precise data for budget planning and analysis
- Make fast calculations and data validations
- Ensure material optimisation and faster installation

Get bespoke design support

We also offer design consultations led by our in-house specification engineering team – giving you practical, project-specific support at design stage.

- Optimise your product selection and plans
- Reduce materials and embodied carbon
- Accelerate installation planning
- Increase design confidence



One Cubis customer was able to achieve a **75% reduction in CO2 emissions** (282 tonnes) and use 30% fewer chambers using our **BIM-powered redesign**. In the process, they also saved **£235,000**.

Beyond the D400 composite cover



Network access chambers

STAKKAbOX™: the renowned composite access chamber range trusted in projects around the globe.



Access chamber covers

A range of covers in multiple sizes and materials, offering a full-system solution. See P3 for details.



Access chamber accessories

Designed to dovetail with our chambers to improve performance, reduce build-time, and meet operator requirements.



Cable protection

MULTIduct™: a lightweight, structural cable protection system that combines multiple ducts in a single unit.



Cable troughing

PROtrough: the industry's go-to flame-retardant, non-cementitious trough system.

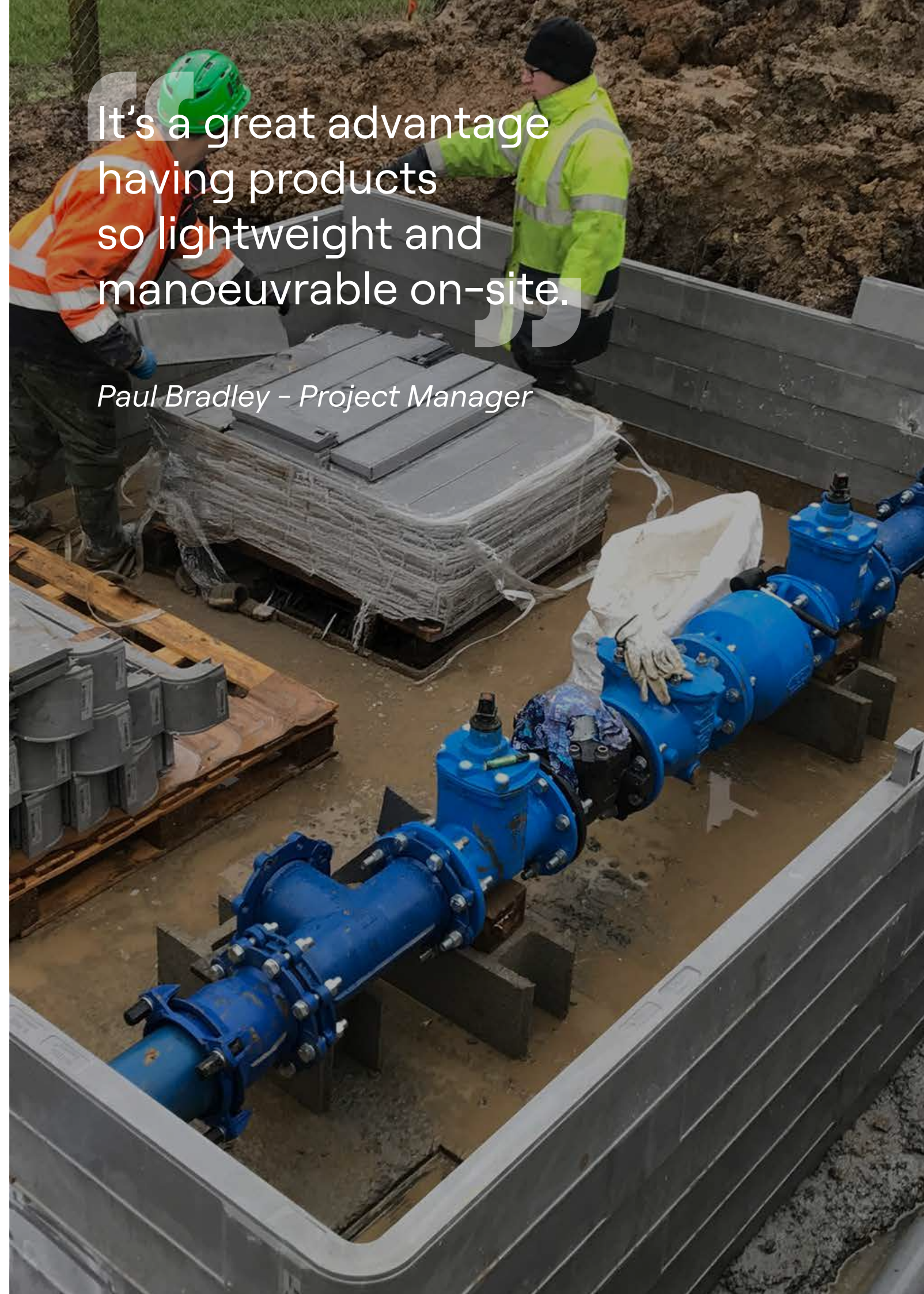


Construction & sealing accessories

Duct sealing, cable joints, meterboxes, kiosks – we supply specialist solutions to meet multiple infrastructure needs.

It's a great advantage having products so lightweight and manoeuvrable on-site.

Paul Bradley – Project Manager





Contact Us

Head Office:
4 Silverwood Industrial Estate,
Lurgan, Co. Armagh,
BT66 6LN,
Northern Ireland
Telephone: +44 (0)28 38 313 100
Email: info@cubis-systems.com

www.cubis-systems.com

Driven by *Innovation*

Cubis is Europe's leading manufacturer of network access chamber and ducting systems, used in the construction of infrastructure networks for rail, telecoms, water, construction and power markets.

Cubis has developed an innovative approach in an old-fashioned industry. This has been achieved by developing quality products which replace traditional construction materials, like bricks and concrete, with lightweight plastics incorporating intelligent design features. These can then be installed faster and ultimately save our customers both time and money.

Cubis manufactures preformed network access chamber systems STAKKAbox™, AX-S™ access covers, MULTIduct™ multiple duct system and RAILduct™ cable trough at its manufacturing sites throughout the UK and Ireland these products are exported to more than 25 countries throughout the World.

At Cubis we pride ourselves on delivering technical customer support, new innovation, product quality and the highest levels of customer satisfaction.