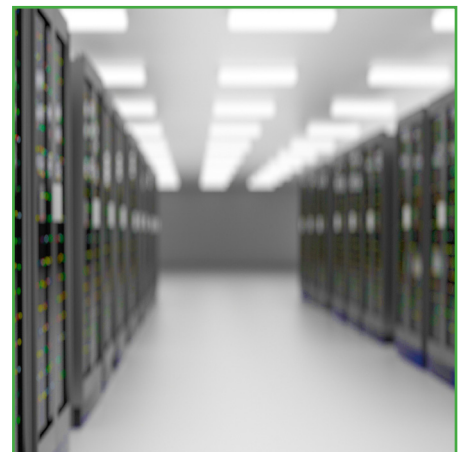
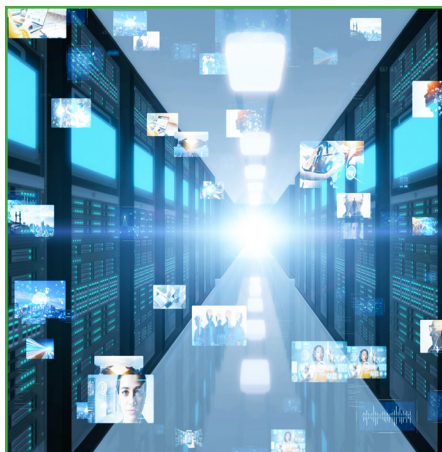
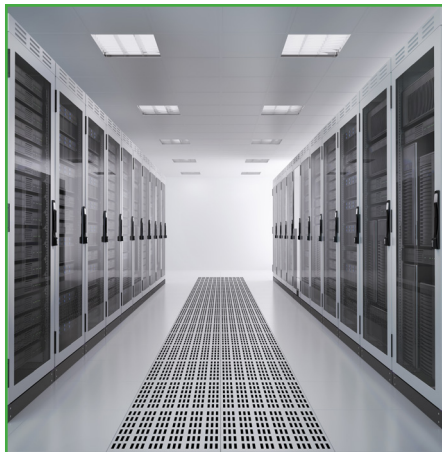


Data Centre Brochure



 **Atkore™**



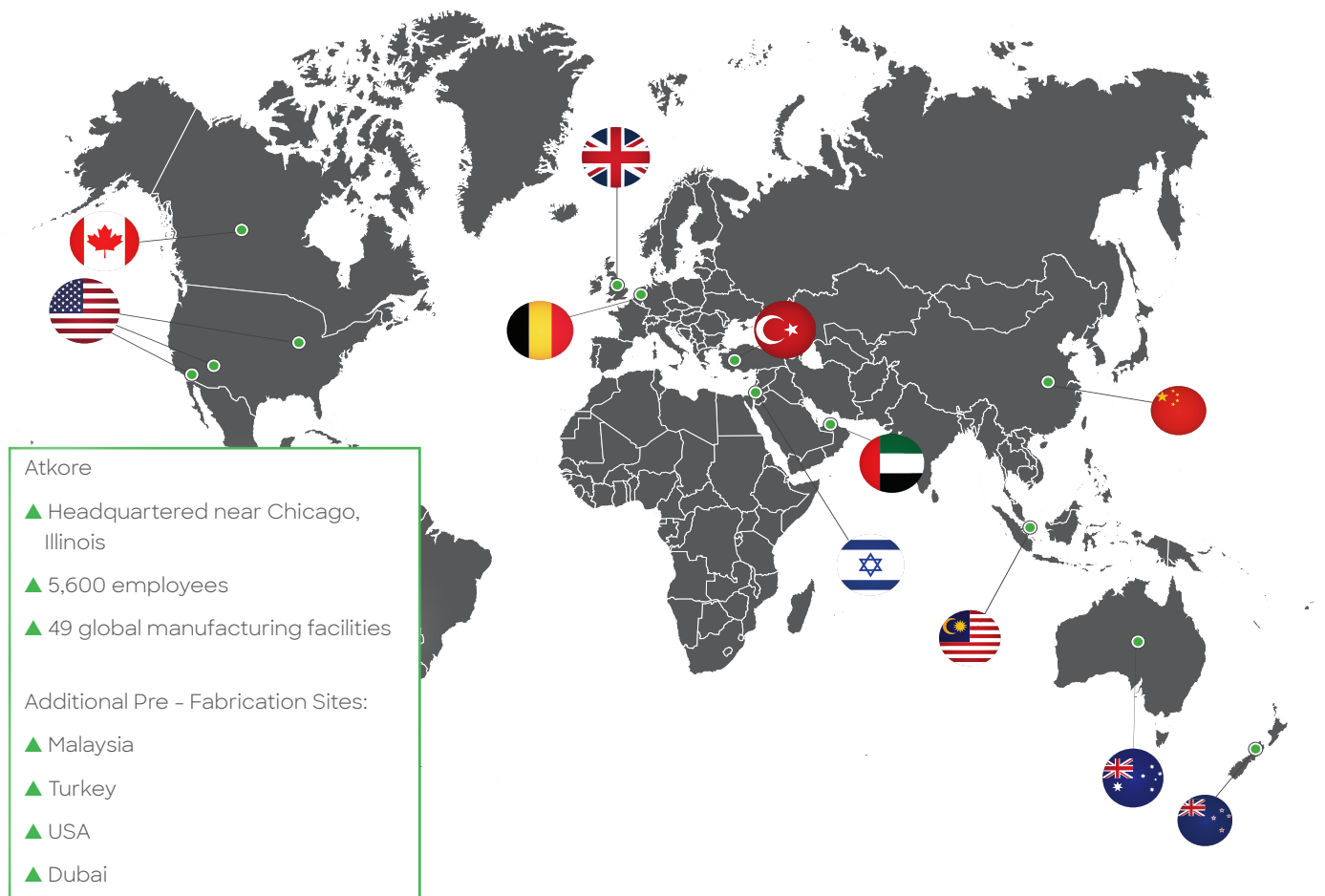
3 Our Global Presence	4 Aisle Containment		5 Structural Ceiling	
6 Ceiling Grid Design	7 Underfloor Services	8-9 Process Map & Consultation	10-11 Atkore Product Range	12 Talon
	13 Framing Systems	14 Kit Assemblies	15 2D Modules	16 3D Modules
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Our Global Presence

Building Better Together

A leading manufacturer of electrical, infrastructure, cable management support, and design installation

We are a leading manufacturer of electrical solutions that power and protect the world around us. For nearly a century, we have grown through a deep understanding of the high demands of the construction industry. Our portfolio of industry-leading brands, coupled with our breadth of products and solutions, brings exceptional value to our customers.



Our Mission

Atkore's mission is to be our customers' first choice by providing unmatched quality, delivery, and value based on sustainable excellence in strategy, people, and process.

Global manufacturing serving global markets

Our 5,600 employees and 49 manufacturing facilities worldwide are contributing to a future where engineers, contractors and our distributor partners can research, select, specify, procure and install the right solutions on time and under budget.

Environmental, Social, and Governance

Our commitment to producing high quality products while ensuring that all materials used in the manufacturing of our products are free of conflict minerals, lessens the negative impact to the people that create, use and deliver our products, while protecting the environment in which we work. We are invested in making environment, health, and safety an indispensable part of our company's commitment to sustainability.

For more information please visit Atkore.com

Aisle Containment

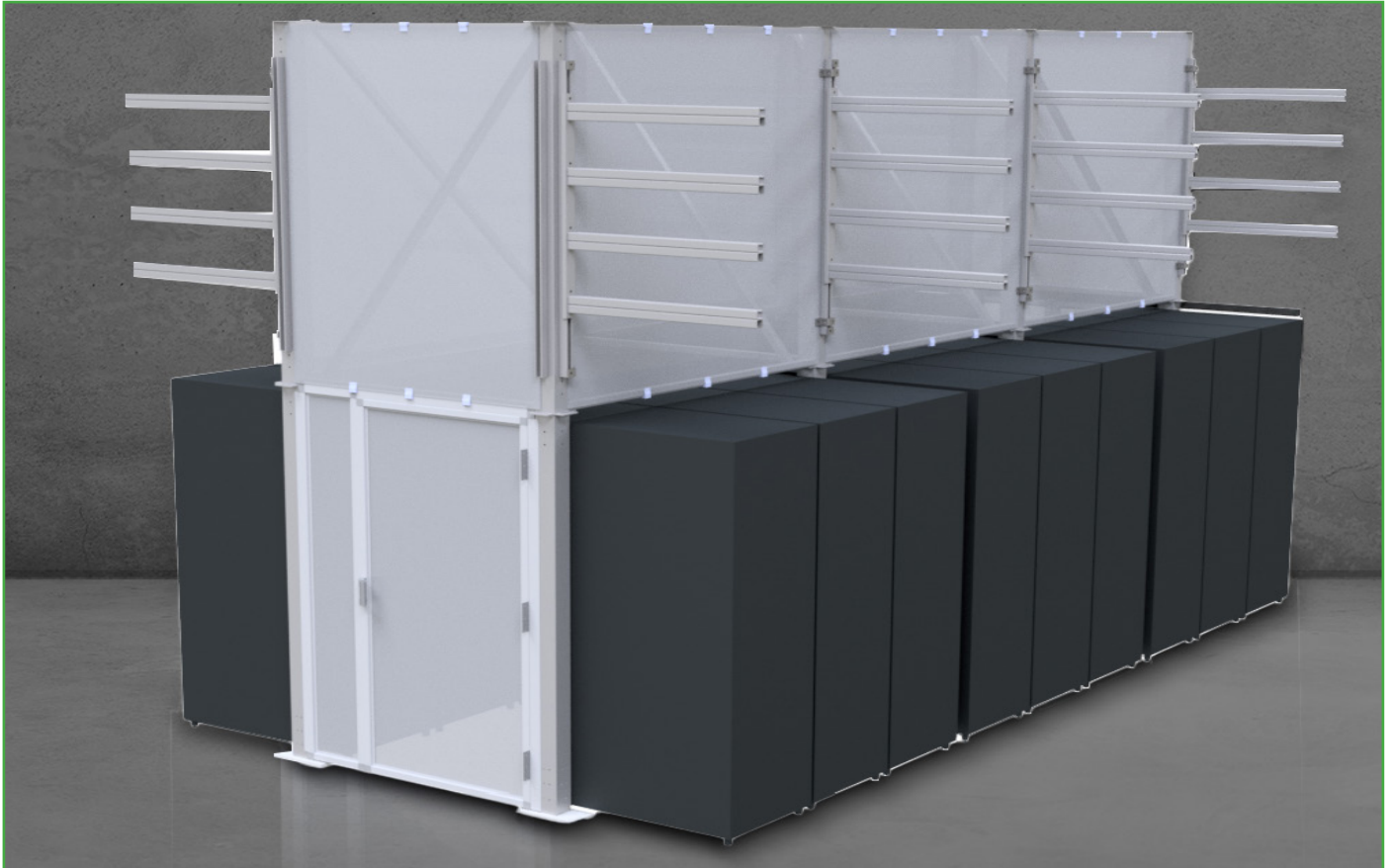
Aisle Containment System

Atkore's aisle containment caters to your bespoke application

Atkore Unistrut aisle containment systems can be designed to fit any rack configuration including aisles with varying rack heights, widths, depths, and alignment.

Why Atkore Unistrut aisle containment?

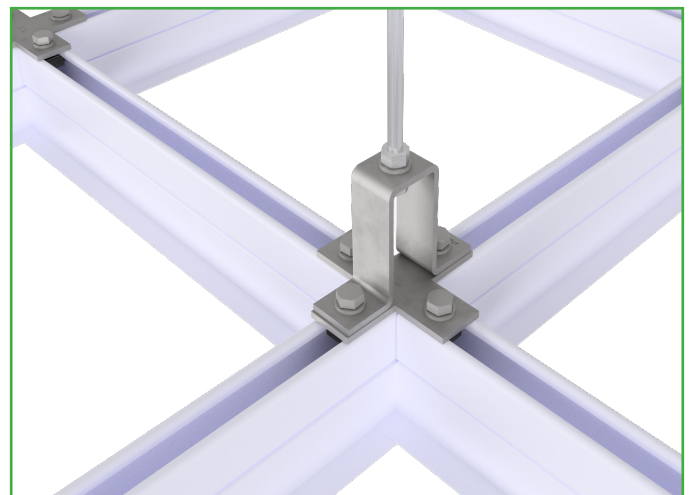
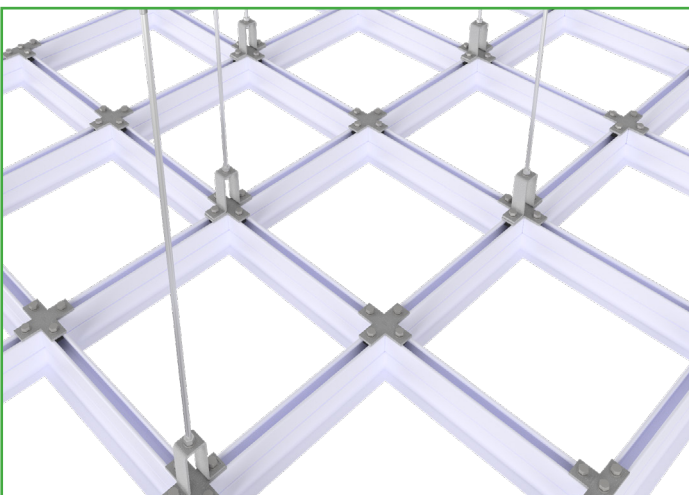
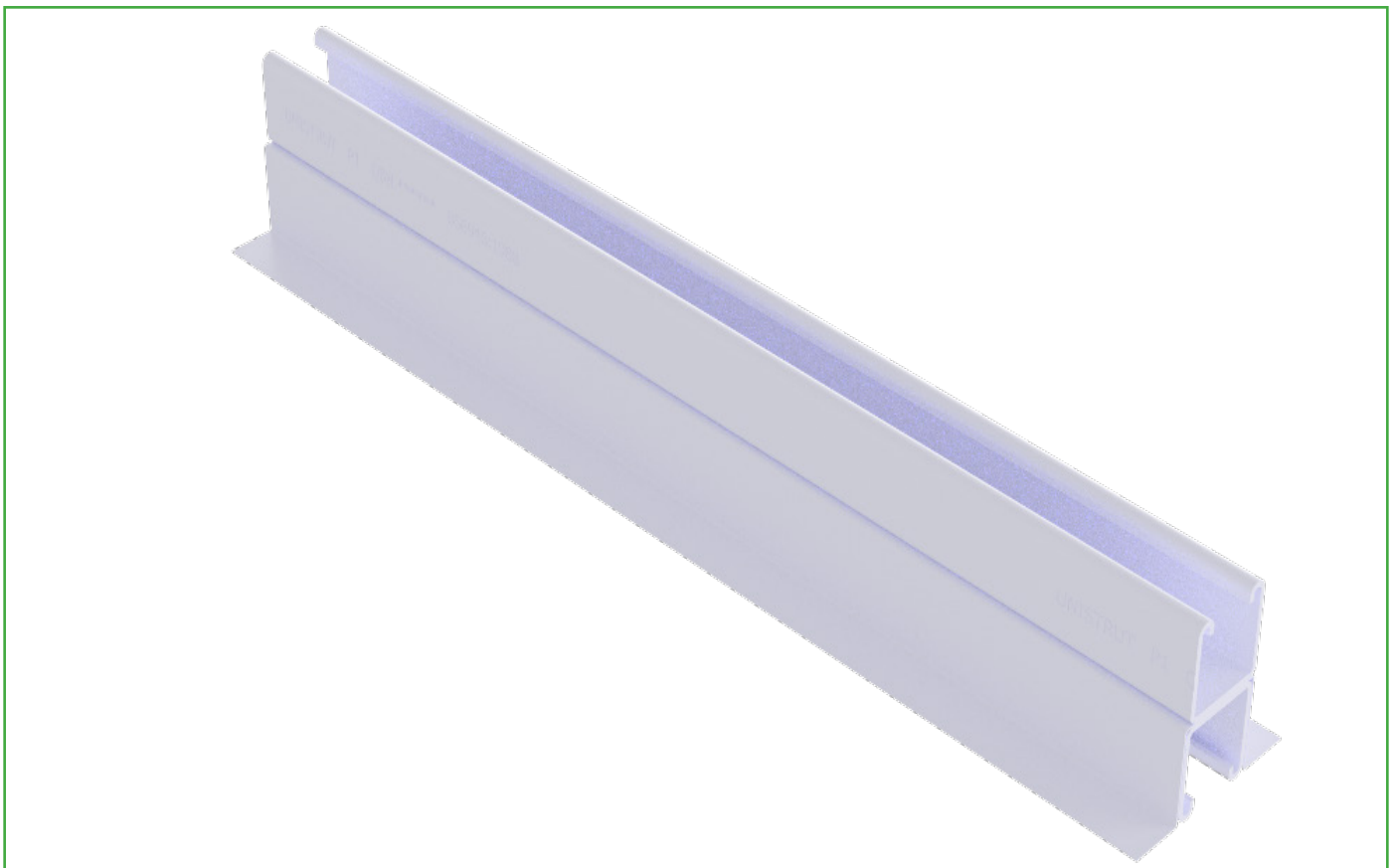
- ▲ Designed and engineered to project specification
- ▲ Installation drawings/best practice
- ▲ Finite Element Analysis (FEA)
- ▲ Reduces on site labour and improves install efficiency
- ▲ Defect Free
- ▲ Unparalleled health and safety benefits
- ▲ Offsite manufacturing



Structural Ceiling System

Custom Engineering

Structural ceilings are designed to support heavy loads and are used extensively in data centres where high levels of load need to be supported. Atkore Unistrut is the preferred support system amongst MEP applications in data centres; our structural ceiling system allows you to continue with a proven method that is widely specified and accepted for successful completion of these project types. A key advantage of our system is that it not only supports ceiling tiles, but also allows you to install heavier elements to the structure.

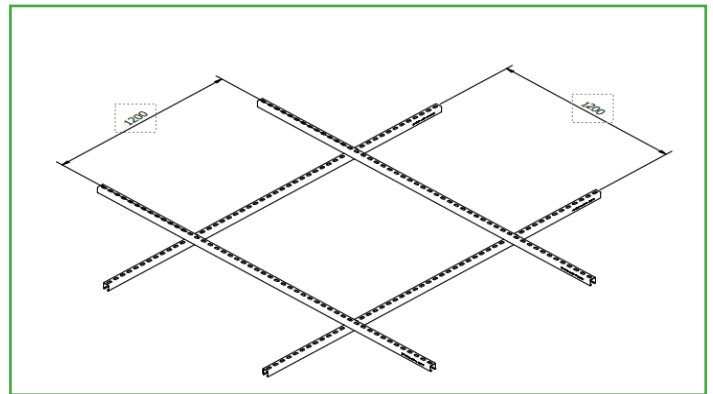
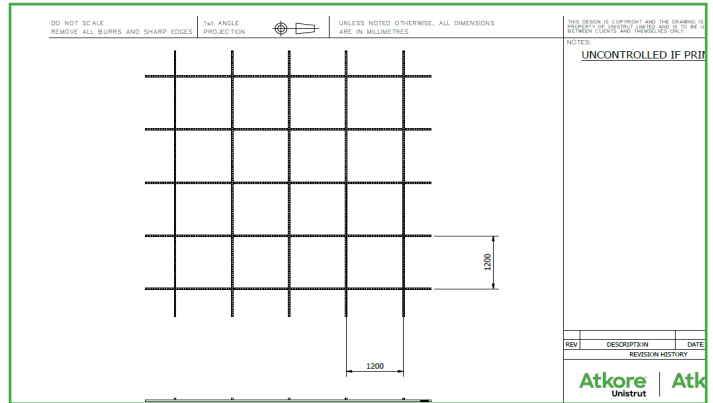


Ceiling Grid Design

Designed To Support

Ceiling grids are designed to support miscellaneous mechanical and electrical equipment, decorative panels, and lighting. The versatility of Atkore Unistrut ceiling grids allows attachments to be made anywhere along the channel opening and the abundance of available fittings means significant savings in time and labour cost.

Thanks to the infinitely adjustable nature of structures built with Atkore Unistrut, your new ceiling grid can easily adapt to changing needs. Our Atkore Unistrut beam calculator will confirm which Unistrut profile will be required to suit various grid sizes and loads.



Underfloor Services

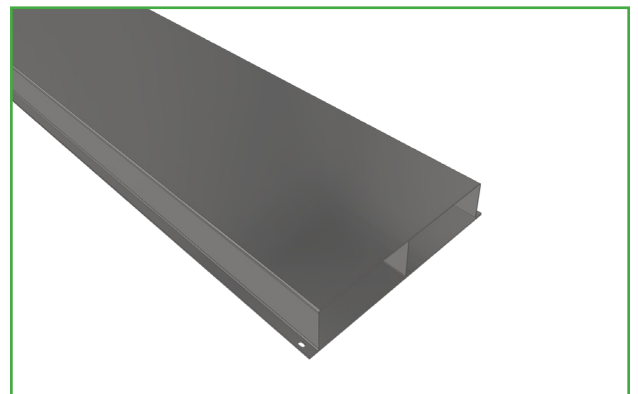
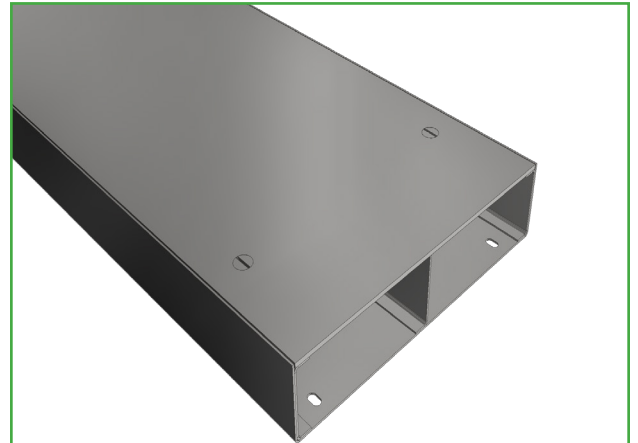
Custom Engineering

Bespoke design for underfloor services including raised brackets and containment

Flush Floor Shallow Screenshot

Flytec flush floor trunking body is supplied in 2 metre lengths complete with 2 x 1 metre lengths of lid secured by means of flush, and all steel turn buckle fasteners. Each length of trunking is supplied with one external fitting connector.

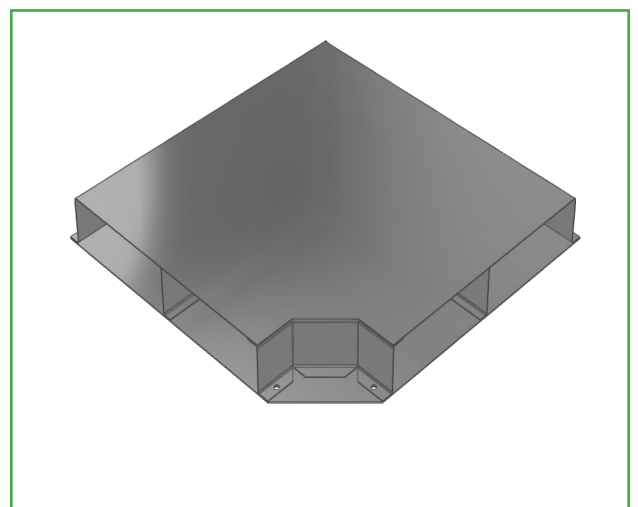
- ▲ Lids are manufactured from 3mm thick galvanised steel. They are fully removable and may be flush or recessed by 3mm as standard. Other depths of recess can also be supplied.
- ▲ It is advisable that all lid sections are fitted during screeding. This will prevent any slight inward movement to the sides of trunking body.
- ▲ We recommend that Flytec flush floor trunking is installed on a ribbon screed or similar to ensure support along the entire length and width of the system.



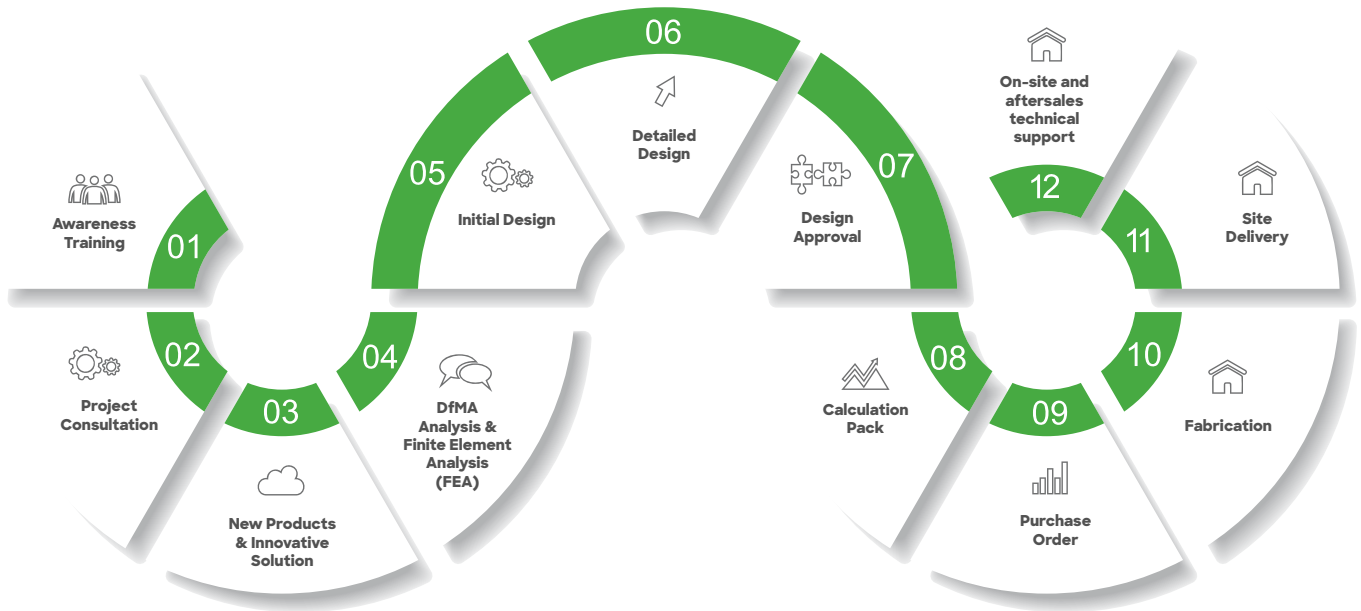
Under Floor Trunking and Accessories

Flytec underfloor trunking is designed for placing on the constructional concrete slab, to be completely covered when the final floor screed is laid and the service outlet positions fixed.

- ▲ Steel underfloor trunking manufactured in 2 metre lengths.
- ▲ Two or three compartment are most commonly used.
- ▲ Single or other numbers of compartments can also be supplied.
- ▲ The trunking lengths are a total welded construction with no need to couple together loose channel sections.
- ▲ Each length is joined together by a saddle clamp and plate, which prevent any ingress of screed into the duct.



Added Value



Working with clients to ensure each module is supplied in line with project timetables

- ▲ We are able to offer a series of technical and engineering support services for all products.
- ▲ Product delivery is key, and important to the construction of modules. Atkore Unistrut is committed to delivering a complete service when it comes to designing and delivering modular framing systems.
- ▲ This enables the business to support the client throughout the entire design phase.
- ▲ From initial enquiry Atkore Unistrut are able to offer a tailored service to meet all the customers' needs and requirements.
- ▲ With support and advice given through each step of the service, Atkore ensures the correct product solutions are delivered first time.

Project Consultation

Engineered Support

Services include:

- 1. Consultation**, by sitting down with the client and having an initial requirement discussion, Atkore can begin looking at drawings and advise on what requirements need to be met for the project.
- 2. Specification**, once specification is given, Atkore will look at the engineering and design requirements through detailed drawings sent from the client. From this, an accurate bill of materials to provide costs for producing each module is generated.
- 3. Drawing Delivery & Design Freeze**, Atkore will deliver drawings and obtain client approval on modular units ready to go into manufacture. Here, the final decision and order is placed for the units, with customer accepting design responsibility.
- 4. Project Delivery & Schedule**, modules are put into manufacture in-line with clients delivery schedule. To ensure each unit required for each phase of construction is delivered on time.
- 5. Manufacture**, Atkore will begin manufacture of each module, ensuring quality checks are performed at each key stage. The client is then updated with progress on their modules and continuous communication from the engineering and sales teams.
- 6. Delivery**, upon completion, Atkore Unistrut will deliver completed modules to site, ready to install as per agreed schedule.

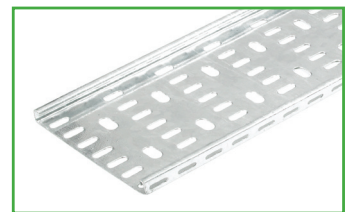
Atkore Product Range

Cable Management & Protection

Atkore[™] Unistrut

Atkore Unistrut is renowned for metal framing and cable management solutions worldwide. With an extensive array of products we can help to deliver systems and solutions to manage and route your cables safely and securely.

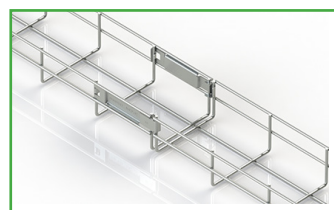
- ▲ Channel / Strut
- ▲ Cable Ladder & Accessories
- ▲ Surface Trunking
- ▲ Steel Perimeter Trunking
- ▲ Channel Fixings
- ▲ Pipe Clips and Clamps
- ▲ Lighting Trunking
- ▲ Underfloor Systems
- ▲ Cable Tray & Accessories
- ▲ Mounting Systems



Atkore[™] Marco

Atkore Marco offers a wide range of cable management products to safely and efficiently route cables. As leading UK manufacturer of uPVC Cable Management Systems and Steel Wire Cable Tray we have many innovative solutions to save you time and money on your next project.

- ▲ Perimeter Trunking
- ▲ Bench Trunking
- ▲ Steel Wire Cable Tray
- ▲ Data Trunking
- ▲ Power Poles
- ▲ Wire Basket Accessories
- ▲ Mini / Maxi Trunking
- ▲ Power Posts
- ▲ PVC Conduit
- ▲ Accessories



Atkore Product Range

Cable Management & Protection

Atkore[™] Flexicon

Atkore Flexicon are a market leading UK manufacturer of cable protection solutions, offering over 62 different metallic & non-metallic flexible conduit systems for technically demanding applications.

Metallic Systems

- ▲ 10mm to 75mm Diameters
- ▲ Galvanised Steel, PVC
- ▲ Coated, Low Fire Hazard Coated Conduits

Metallic Systems

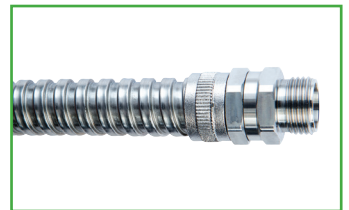
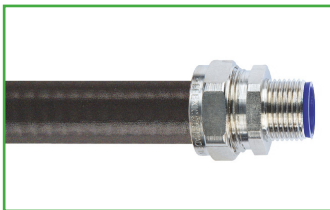
- ▲ Stainless Steel Conduits
- ▲ Liquid Tight Conduits
- ▲ Braided Conduits
- ▲ Hygienic Conduits & Fittings

Non-metallic Systems

- ▲ 7mm to 106mm Diameters
- ▲ PP, PVC, Nylon (PA) Corrugated Conduits
- ▲ Spiral Conduits

Non-metallic Systems

- ▲ Divisible Conduits
- ▲ Hygienic Conduits & Fittings
- ▲ Coloured Conduits

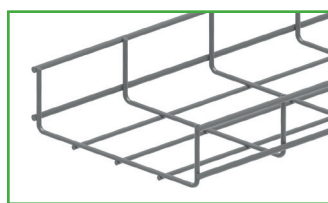


Atkore[™] Vergokan

With 3 manufacturing facilities across Europe, and Worldwide distribution, Atkore Vergokan specialises in metal cable support systems to save installers time.

- ▲ Wire Basket
- ▲ Cable Tray
- ▲ Cable Ladder

- ▲ Mounting Systems
- ▲ Industrial Floor Trunking
- ▲ Floor Installations

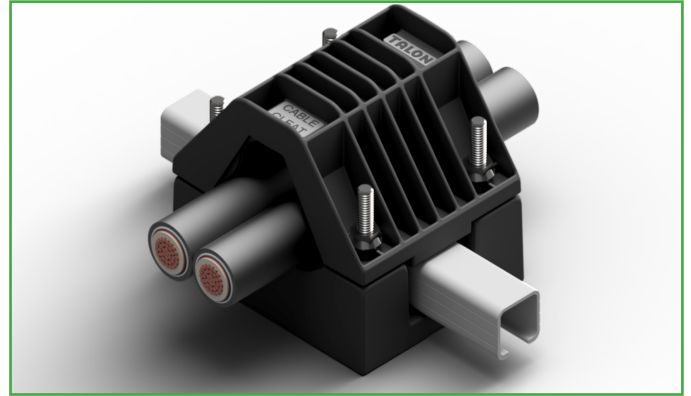
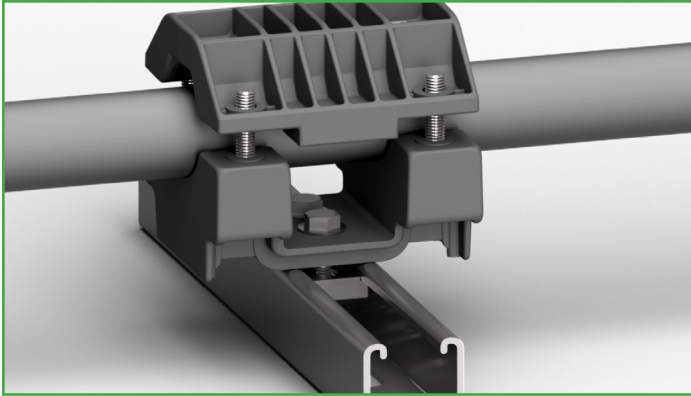


Cable Cleats

Hold the cables, hug the rung

Talon cable cleats are a cable management product used to secure cables when installed at intervals along the length of the cable. They are typically used for support, restraint, strain relief and short circuit protection by containing the cables without damage.

- ▲ Fast installation time and related labour savings with cable tray rung-hugging technology
- ▲ Longest service life with industry leading UV protection
- ▲ Strongest cleat on the market for ultimate short-circuit protection
- ▲ Reduces on site labour and improves install efficiency



Images shown above are for illustration purposes only

Framing Systems

Trapeze Frames

Multi-service support for mechanical, electrical and ventilation

Fully Specified

Each threaded rod unit can be supplied to client specific requirements, ensuring that every job is met with accurate and ready to install modules. Specific dimensions on the size of channel used and the thickness of the threaded rod can be specified to Atkore Unistrut upon enquiry.

Multiple Tiers

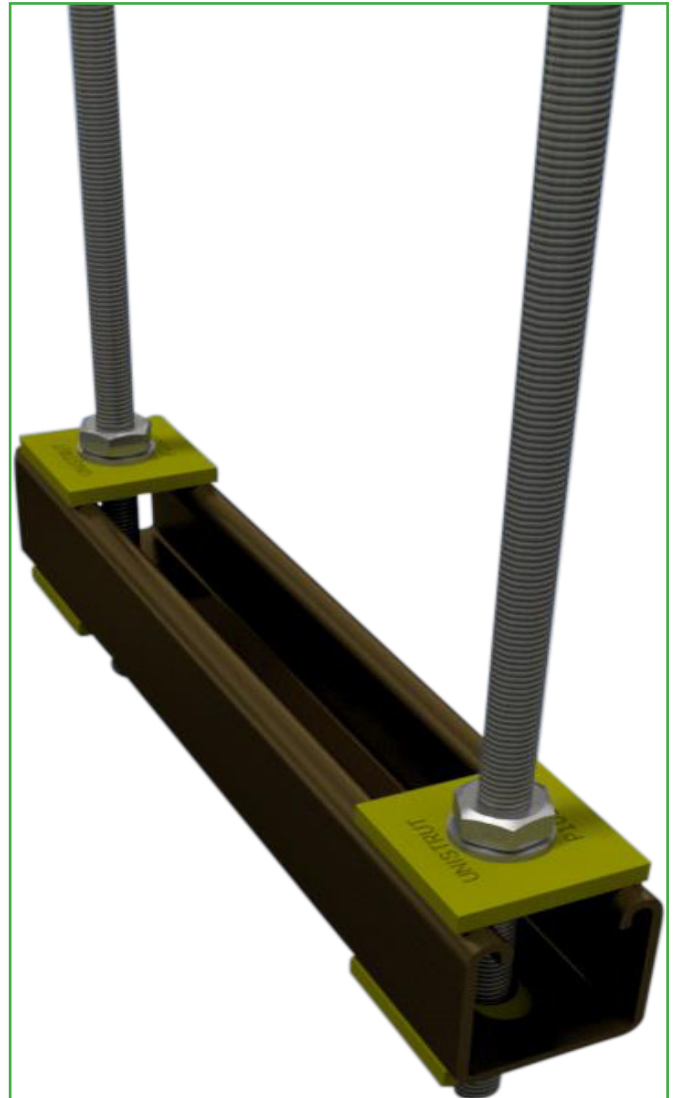
Each unit can be supplied as a single, or multi-tiered set, to allow for multiple changing configurations on-site.

Best Practice

Each trapeze frame is manufactured to Atkore Unistrut's best practice, which includes our square plate and flat washers. Each unit is manufactured to comply with all applicable standards.

Application Specific

Each trapeze unit is designed to specific customer requirements, with application driven load calculations done beforehand to ensure each unit can support all on-site requirements.



Pre Fabricated or Kit Assembly

Design for installation

Bespoke modular units, delivered complete & ready to install

Atkore Unistrut's kit assembly is designed for installation on projects where multiple repeating specifications are required, and are supplied complete, ensuring each order arrives with the exact number of components and accessories. Benefits of kit modules include reduced waste on site, reduced time spent cutting and assembling framing, and ensures that exact quantities are delivered each time.

Reduced time on-site

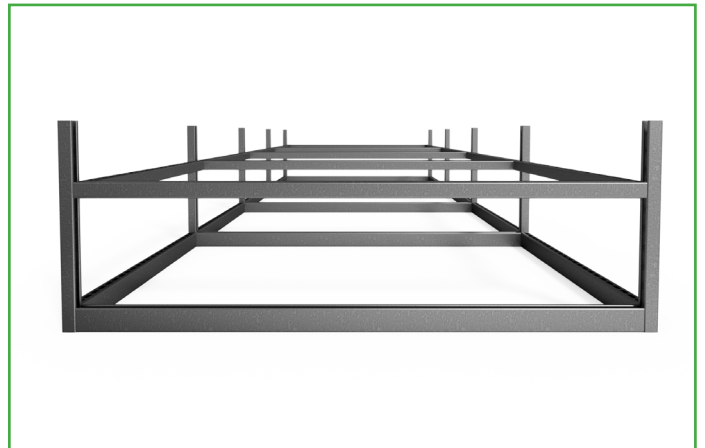
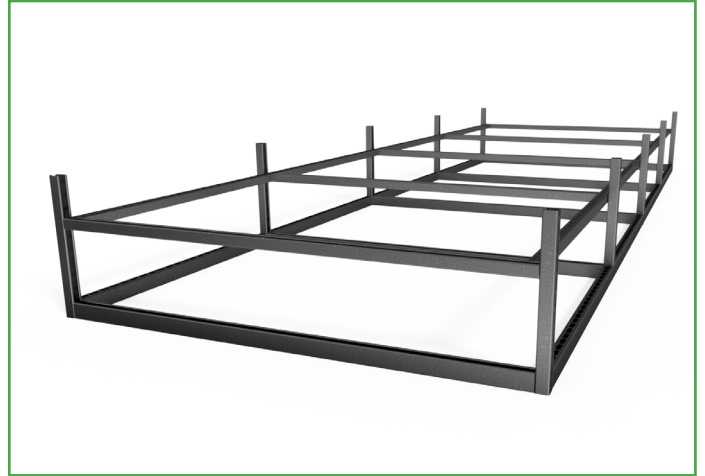
By ordering Atkore Unistrut Kit modules, you can be sure each unit arrives on site-ready to install.

Reduced waste

Each unit is supplied pre-cut to exact lengths requested, ensuring no excess waste is produced on-site.

Exact quantities

Each module is delivered, assembled complete with all accessories and fittings required.



2D Modules

Trapeze Frames

2D Modules to support multiple services supplying mechanical and electrical services

Similar to H-Frames, Atkore Unistrut's 2D modules are completely manufactured and delivered to site ready to install. Designed to house a large number of containment and infrastructure, including ventilation and air conditioning units, Atkore Unistrut's 2D modules can be installed vertically and horizontally. Vertical units can be utilised to carry service risers through high-rise builds. 2D modules are also available as bolted or welded units.

Delivered complete

Each 2D module is delivered complete, ready to install and ready to house a wide variety of services.

Fully load tested

Atkore Unistrut's 2D modules are manufactured to Atkore Unistrut's strict quality levels, and each is fully tested to hold capable loads depending on the specification given by the client.



Bespoke Modular Units

Unpopulated 3D modules, designed as extensions of the 2D model, manufactured to house a wide range of electrical and mechanical services

Atkore 3D modules are designed to house a complex series of electrical and mechanical infrastructure. Atkore Unistrut's Modular service ensures each unit is manufactured to the customers specific requirements. Clear guidance and technical support, as well as regular updates are provided throughout the duration of manufacture.

Bolted or Welded Assemblies

Atkore Unistrut's 3D modules can be delivered as bolted or welded units. Bolted units give the client the flexibility to alter units to suit on-site requirements, whilst welded units provide a stronger more rigid base to house services.

Scope of work

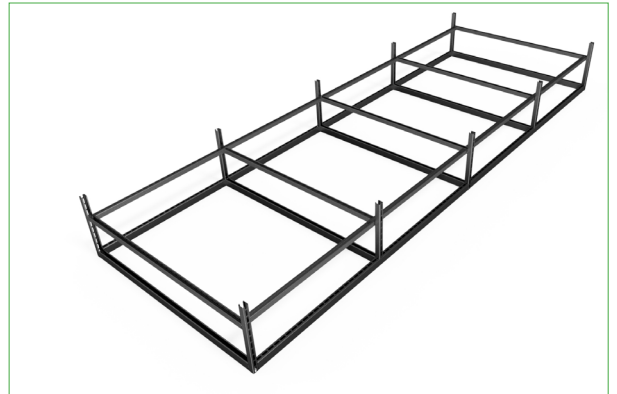
Atkore Unistrut are able to manufacture a wide scope of 3D modules, whether the client requires a one-off design solution, or hundreds of modules. No project is the same, and Atkore Unistrut are able to offer a wide variety of flexible solutions to suit the clients needs.

Ready to install

Atkore Unistrut's 3D modules are assembled in-house at our specialist facility and delivered to site, complete and ready to install.

Flexible design service

Atkore Unistrut offer a complete design assistance service, ensuring each module is drawn and signed off before manufacture.



Populated Modules

Modular Systems

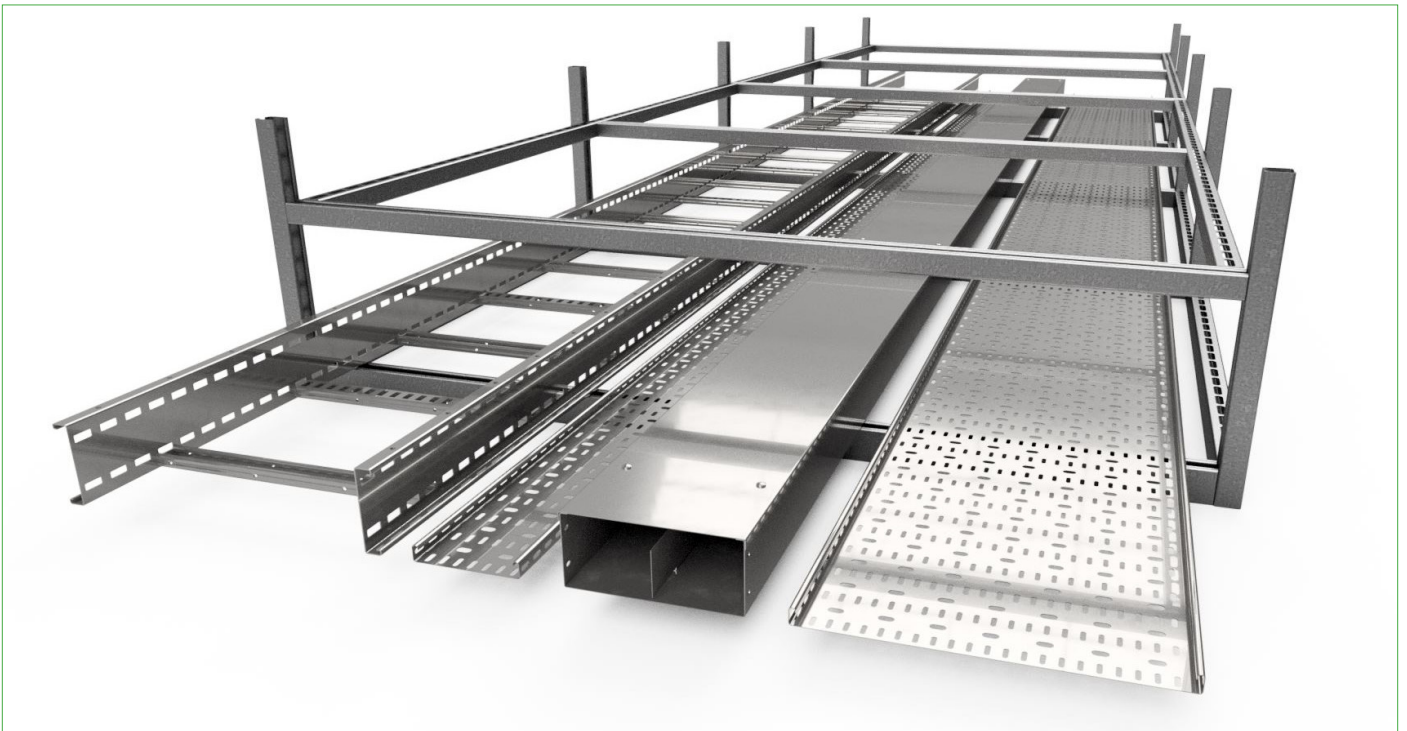
Fully populated modules with mechanical and electrical services installed

Atkore are also able to populate 2D and 3D modules with a number of services from our range of products.

This includes Cable Ladder, Cable Tray, Cable Trunking and Steel Wire Cable Tray. These products are all installed in the modules before shipping and secured in place using a range of Atkore Unistrut fittings and accessories. Atkore's ability to offer fully serviced M&E modules allows us to take on a wider variety of projects, giving modular framing systems a wider application reach.

Quality assurance is integral to the manufacture of each module, with each being thoroughly checked prior to delivery, ensuring each unit is fully compliant with relevant standards and specifications.

Populated Module Components



Rooftop Support Modules

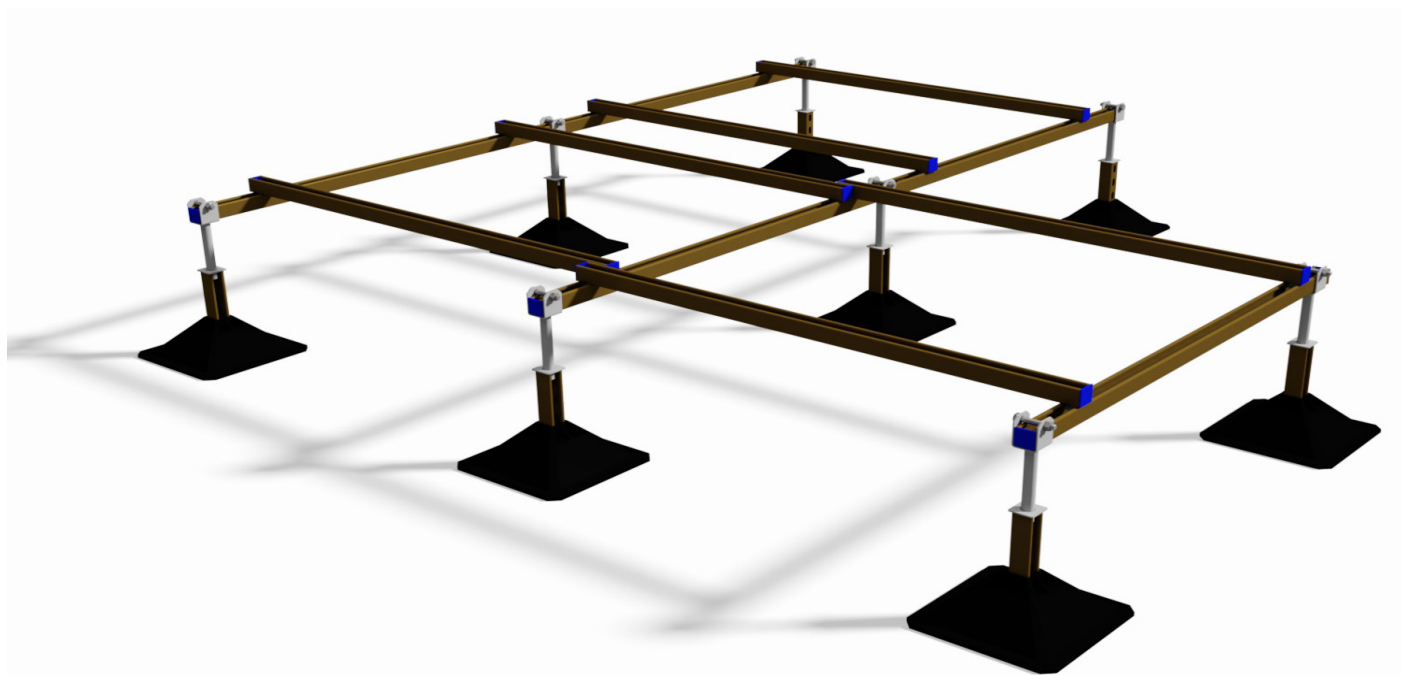
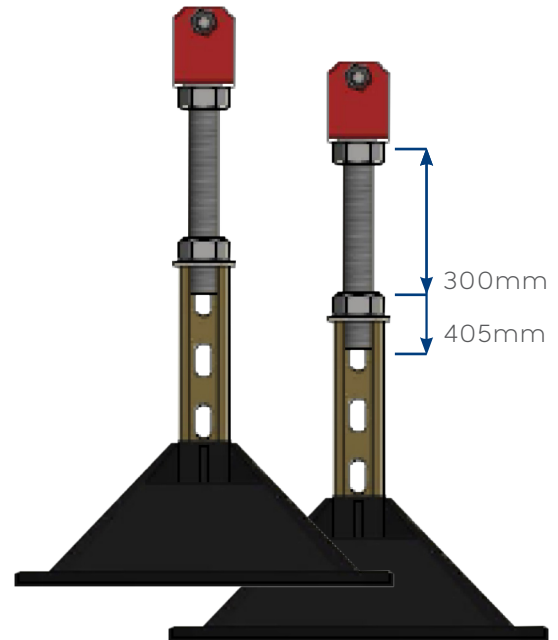
Rooftop Support

Key Features

Each Uniframe module has complete installation flexibility, able to accept any length of Unistrut channel, and with adjustable height legs, Uniframe is the perfect solution for all types of rooftop support projects.

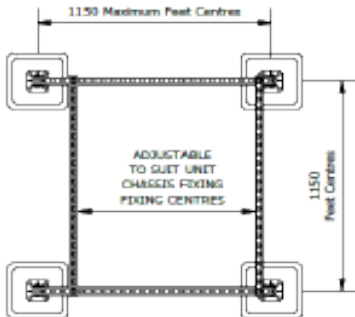
Adjustable Height

Uniframe's adjustable foot pedestal allows for unit height to be increased or decreased by over 100mm to suit on site applications.



Rooftop Support Modules

Rooftop Support



All in the box

Each component required to assemble a base or extension is supplied in the box, ready to install with all required accessories and components.

Channel you can trust

All products in the Uniframe range are assembled using Atkore Unistrut channel and supporting products, ensuring the highest quality throughout.



HD Beams

These allow load to be distributed evenly by being placed accurately, such as over existing obstacles. Each unit has adjustable height and comes complete with beam clamps.



Design for Manufacture Assembly

Atkore are dedicated to delivering the correct solution for your project.

From single support frames to complete modular schemes, Atkore DfMA solutions are engineered and assessed for purpose, delivered in the highest quality product on time and to program.

DfMA can increase the quality compared to conventional methods through repeatability in production and quality control methods.

The biggest advantage is the reduction in installation time against program. The significant reduction in programme time required meets the rigorous demands of modern project timelines.



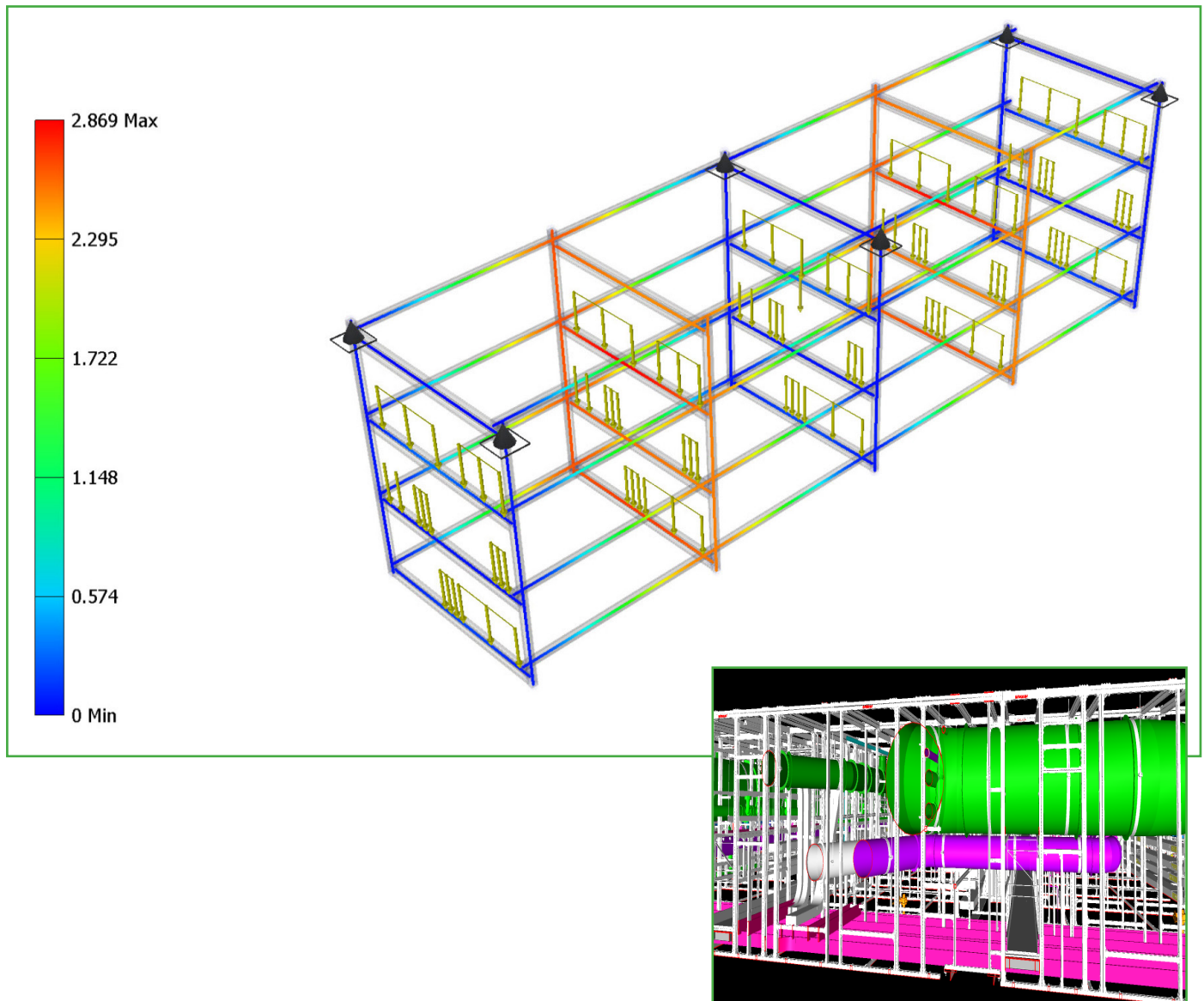
FEA

Finite Element Analysis

Atkore's DfMA solutions all undergo Finite Element Analysis, this allows us, the manufacturer and you, the client to understand how the business' deliverable works in the real world.

DfMA has been undertaken by Atkore in the most demanding of projects from major Infrastructure projects through Healthcare to Nuclear where long design life considerations are paramount.

Whilst modelling, constraint and loading on the the designs in an 'as built' or 'as installed' state, the business can eliminate points of failure and ensure that the design is not over engineered but engineered correctly to allow ease of installation and confidence. This ensures the solution works through the warrantied period and beyond.



Cost of Ownership

Traceability

BS6946:1988 Specification for Product Marking

The standard requires that products are stamped with BS 6946:1988 and also the name of the manufacturer. Atkore Unistrut show that the standard is achieved by rolling the channel with the part number along with the full name of the Standard BS6946:1988, and also our own UNISTRUT® branding. This is stamped into the channel to ensure that you can clearly identify our product over the inferior product that is creeping into the market place.

The engraving should also be clearly visible at all times, even when the product has undergone further finishing treatments i.e. Hot Dip Galvanised, Epoxy Coating. Contractors and distributors should be aware of cheap imported and non-standard products that have removable or no product marking at all, as this is not within the standard.

The support Channel System is normally the product that supports the majority of the building services in any installation. We know how important this product is to any installation, and how important it can be to have confidence in the pedigree of the material used, so we use a QBN (Quality Batch Number) stamped on every length of Unistrut Channel that we manufacture. With this code we can trace the material used back to the original coil supplied and back to the mill certificate. This provides reassurance that all Unistrut product you supply, will meet the performance we publish.

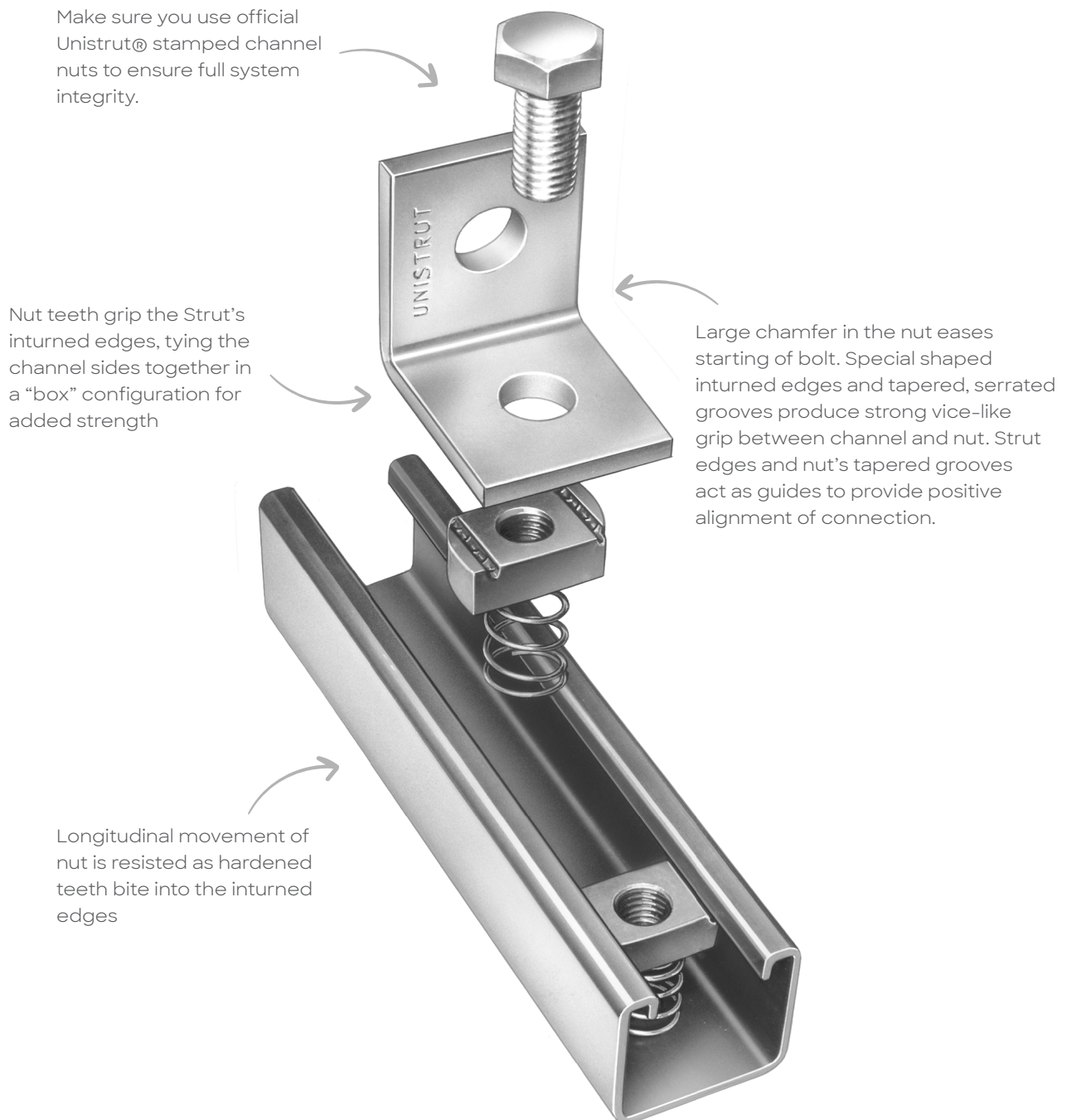
It is evident to see that Atkore takes ownership of its products, and when used in a complete Unistrut metal framing solution, our product is backed by a market leading 10 year warranty*.



10 Year Warranty On Unistrut
Metal Framing System

Cost of Ownership

Traceability



Design Tools & Resources

The highest level of customer support

At Atkore, we provide an ever increasing suite of design tools and resources to help specifiers and contractors select and specify the right Atkore product solution with confidence.

BIM Library (Building Information Modelling)

Our BIM Library is an intelligence-based 3D Model software system used for planning, designing, construction, and management of infrastructures, buildings and sites. Populated with information such as manufacturer, part numbers, UPC codes, size, type and colour. Our BIM files provide clash detection and reduction in cost as additional benefits.

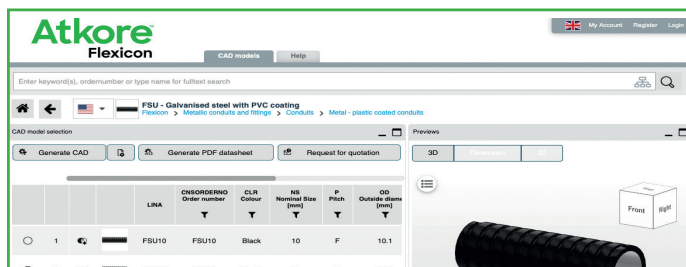
REVIT® Toolbar

Our custom integrated toolbar to the Revit® software package is free to download. The Atkore Revit® Toolbar allows contractors and BIM designers to access all Atkore products without leaving the Revit software. Automatically running in the background and available for use in any project, there's no need to download individual files.



Flexicon 3D CAD models

Powered by Cadenas, our parts community provides technical information on all of our conduits, fittings and accessories. From CAD models, dimensional diagrams and 3D PDFs to part numbers, sizes and downloadable data sheets – all available in one place.



Unistrut Engineering Calculators

We provide these useful tools as a valuable resource for engineers and designers doing any type of structured analysis. The Atkore Unistrut calculation tool allows for design calculations aiding bracket design to support technical submissions. The tool analyses the performance of beams or cantilever brackets when a load is applied. The calculation tool can calculate point, distributed, moment and omni directional loads to either euro code or other design characteristics. A long form report, heat map and graphical report can be produced and exported providing instant results.

Unistrut Content Centre for use with Autodesk Inventor

The custom-built Content Centre for Atkore Unistrut to use with Autodesk Inventor will help designers to select the best products for their specific applications. Using the custom library will ensure the user can specify genuine Atkore Unistrut part numbers for their BOM's and is guaranteed to save them time when designing. The integration into Autodesk Inventor also reduces the need for extra training.



Cross Reference

Our Atkore Unistrut cross reference tool finds the functionally equivalent Atkore part based on another manufacturer's part number. Search by complete competitor part number to find an exact match or by partial numbers by using an asterisk (*).

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Building Better Together

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Key Takings

[illegible]



**BUILDING BETTER
TOGETHER**

Atkore

Want to join a company that helps you build
the mindset, skill set and tool set for success?
Visit us at [atkore.com/careers](https://www.atkore.com/careers)