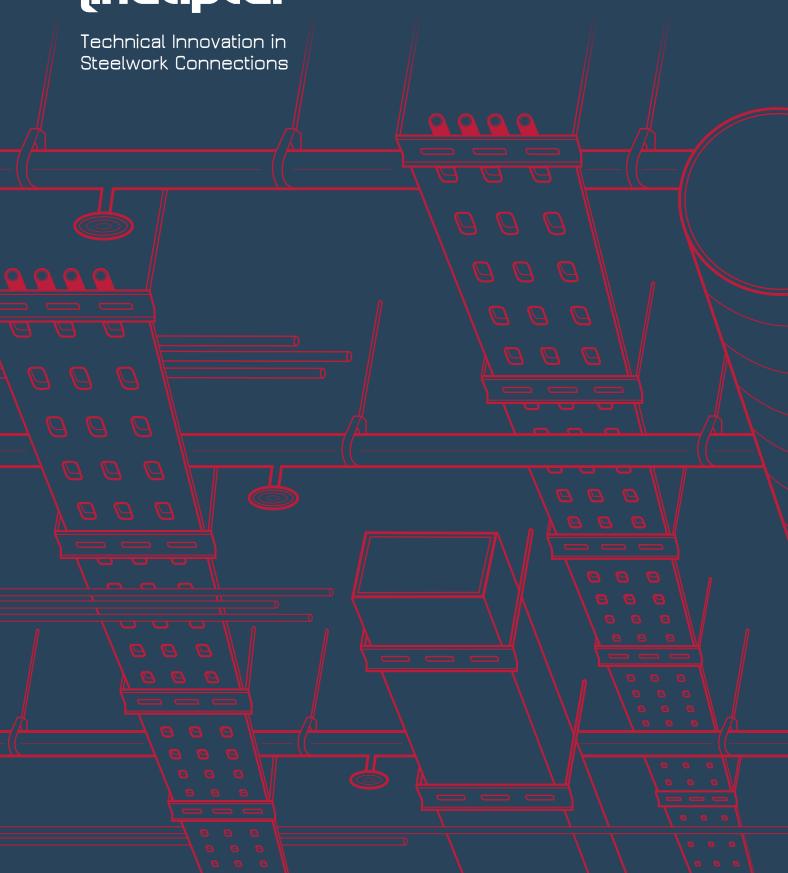
Mechanical, Electrical & Plumbing (MEP)

lindapter®



Welcome

lindapter

Technical innovation in steelwork connections since 1934

Lindapter provides a unique range of approved steelwork solutions for overcoming challenging steel-to-steel connections. Our products are used extensively around the world and are the ideal solution for MEP applications.

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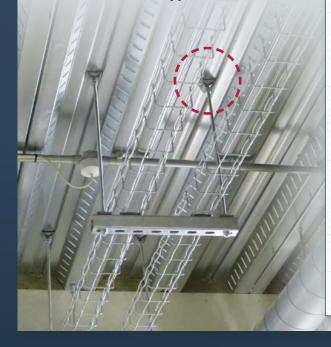
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WHY CHOOSE LINDAPTER?

Building Safety Act 2022

Introduced in the UK as a result of the Grenfell Tower disaster in 2017, the act aims to reform building safety legislation and came into



law in October 2023, bringing about changes to the requirements for higher-risk buildings. As part of the legislation contractors require competence and compliance to meet the Building Safety Regulators requirement for a "golden thread" of information.

Compliance

To help contractors be compliant with the Building Safety Act, Lindapter manufactures products to the highest



standard, and has a multitude of independent approvals and extensive in-house product testing procedures. ISO 9001 accreditation also ensures full traceability of all products throughout the manufacturing process.

Approvals

For over 90 years Lindapter products have earned a respected reputation synonymous with safety and reliability due to its range of independent approvals. These approvals provide contractors with the evidence that the products are fit for purpose to help you prove compliance.

Traceability

As part of Lindapter's ISO 9001 quality management system and in compliance with the Construction Products Regulation, Lindapter ensures full traceability of all products throughout the manufacturing process. Once again providing contractors with the necessary "Golden Thread" of information for compliance.

Fire Rated

Many of Lindapters products are independently fire tested to provide additional compliance. The fire testing is carried out by UKAS accredited laboratories in accordance with BS EN 1991-1-2. The fire ratings of each product can be found on our website or emailing support@Lindapter.com

Reasons to use Lindapter connections

KEY BENEFITS



Speed Of Installation

Save time and money with our range of quick to install fixings and clamps.



Fire Rated

Many of our products have been independently Fire Tested to provide specifiers with additional reassurance.



Eliminates Silica Dust

Lindapter fixings do not require any drilling to install, reducing health and safety risks for construction workers.



Adjustable

Easy to install and adjust using hand tools. If any services need to be moved or altered, Lindapter fixings can be easily moved.



Zero Impact Installation

Prevent damage to the building fabric with Lindapter zero impact fixings.



Approvals (see page 27)

Lindapter CE / UKCA marked products conform to European Technical Assessments (ETA).

DECKING FIXINGS

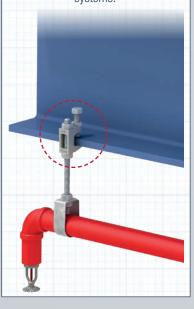
Building services are quickly attached to decking profiles using fire rated decking fixings without drilling the concrete deck. The fixings are installed inside the dovetail re-entrant channels of the decking profiles and provide a fixing point for suspending MEP equipment.



SUPPORT FIXINGS

Easy-to-install solutions for suspending building services from structural or secondary beams.

The adjustability of these products allows the fast and precise alignment of items such as HVAC equipment, pipework, fire protection and sprinkler systems.



GIRDER CLAMPS

Steel sections are clamped together using girder clamp assemblies for a quick installation. This connection method is used extensively in MEP applications including pipe support frames, hanger brackets and for connecting secondary steel to the primary structure.





Fire protection systems are crucial in every building for safety, legal compliance, and minimising losses. They detect fires early, control their spread, and ultimately extinguish them, safeguarding both lives and property.

The key components are smoke detectors, heat detectors, and fire alarm control panels, automatic sprinkler systems and emergency lighting. Each component of the system needs a suitable method to connect it to the building.

Lindapter offers a range of drill free solutions with many independently fire tested to offer specifiers a range of Fire Rated products.



- ✓ Independently fire tested to BS EN 1991-1-2
- Quick and easy to install
- ✓ No drilling so no exposure to silica dust
- Full product traceability



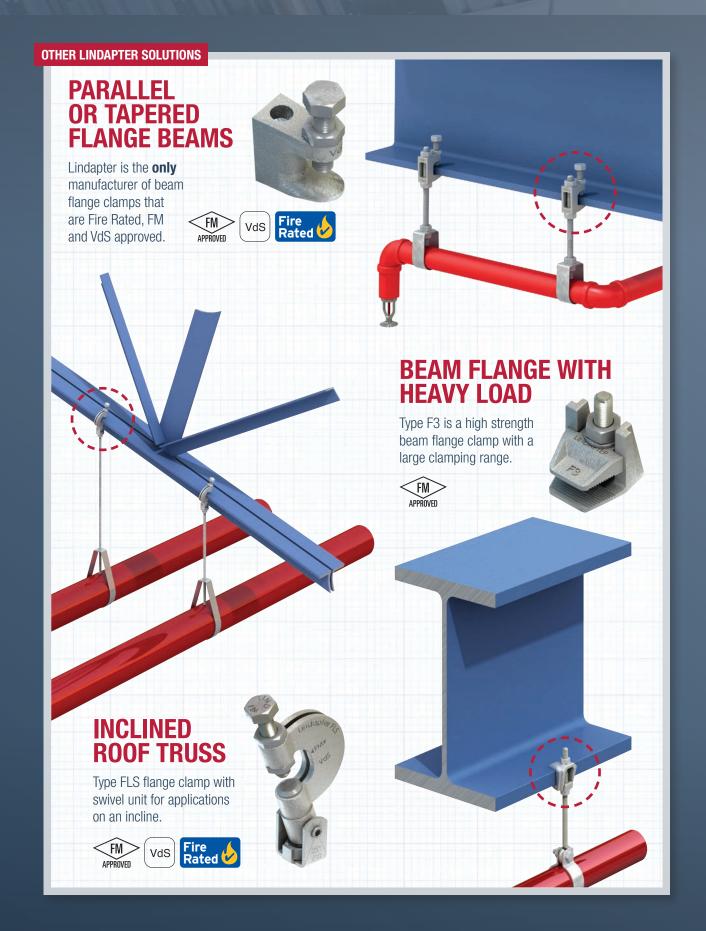
Independently Fire Tested

As part of our continued commitment and investment in product development, many Lindapter products are independently fire tested in accordance with BS EN 1991-1-2. For Fire Rated Load Limits please email

support@Lindapter.com









The mechanical component of MEP encompasses heating, ventilation, and air conditioning (HVAC). It focuses on controlling environmental factors such as temperature and air quality for both human comfort and machine operation.

The key components are the HVAC units that provide the heat or cooling and the large spiral and rectangular ducting that moves the air around the building. Each component of the system needs a suitable method to connect it to the building.

Lindapter offers a range of drill free solutions with many independently fire tested to offer specifiers a range of Fire Rated products.



- ✓ Independently fire tested to BS EN 1991-1-2
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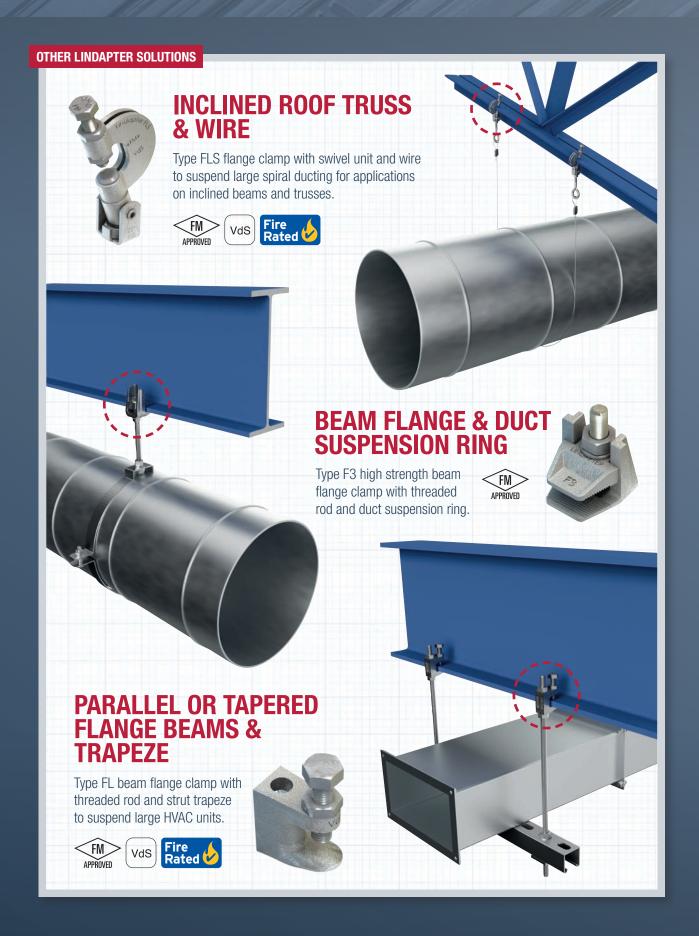


Speed of Installation

Lindapter decking fixings offer quicker and easier installation compared to other options such as drilling the concrete deck. Faster installation means quicker project completion, labour savings and overall efficiency.









The electrical component of MEP refers to the design, installation, and maintenance of electrical infrastructure within buildings.

The key components include power distribution networks, data and lighting cabling, switches, circuit breakers, and grounding systems. All these components require cables and wiring which need a suitable method of containment and connection to the building.

Lindapter offers a range of drill free solutions with many independently fire tested to offer specifiers a range of Fire Rated products.

KEY BENEFITS



- ✓ Independently fire tested to BS EN 1991-1-2
- ✓ Quick and easy to install
- ✓ No drilling so no exposure to silica dust
- Full product traceability

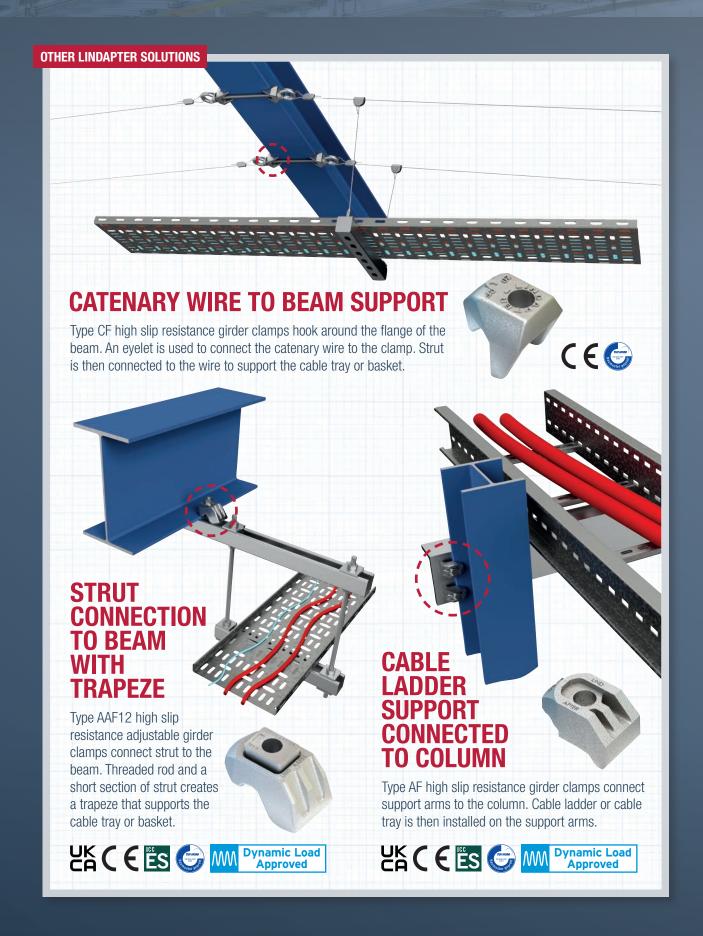


Eliminating Exposure to Silica Dust

Lindapter decking fixings are an innovative solution for fastening building services to concrete decking without the need for drilling, which eliminates exposure to harmful silica dust. This is a significant benefit for workers' health.









The plumbing component of MEP refers to the design and installing of systems for water, drainage and gases in buildings.

The key components are pipes that supply hot and cold water, remove waste water from the building and carry gas for heating systems. Depending on the building these pipes can be considered light, medium or heavy duty and every pipe requires needs a suitable method of connection to the building.

Lindapter offers a range of drill free solutions that are quick to install and easy to adjust onsite making them the ideal choice for all types of pipe support connections.



- ✓ Solutions for every type of pipe
- ✓ Quick and easy to install
- ✓ No drilling or welding
- **✓** Full product traceability

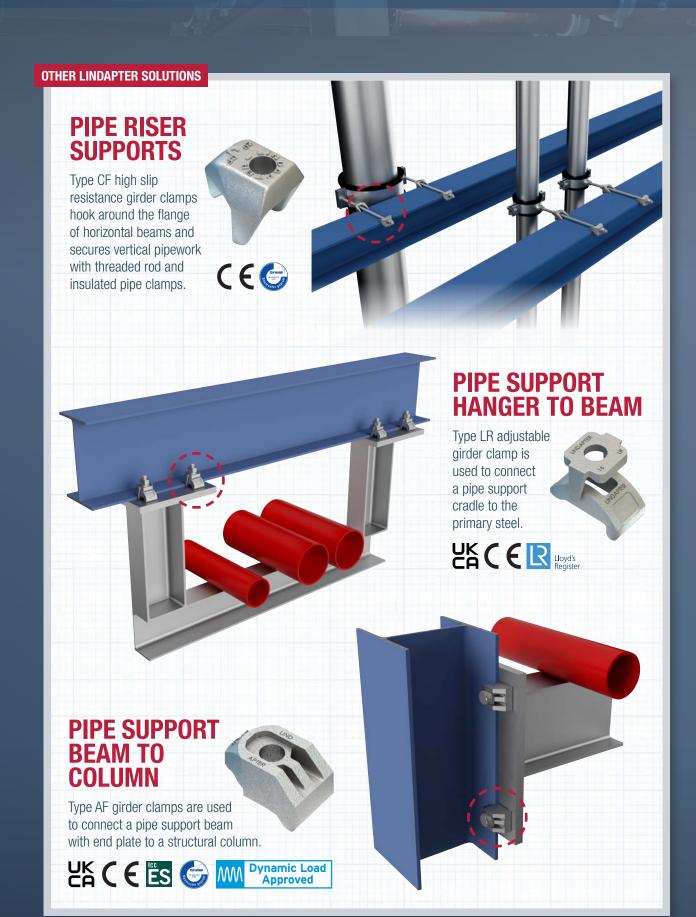


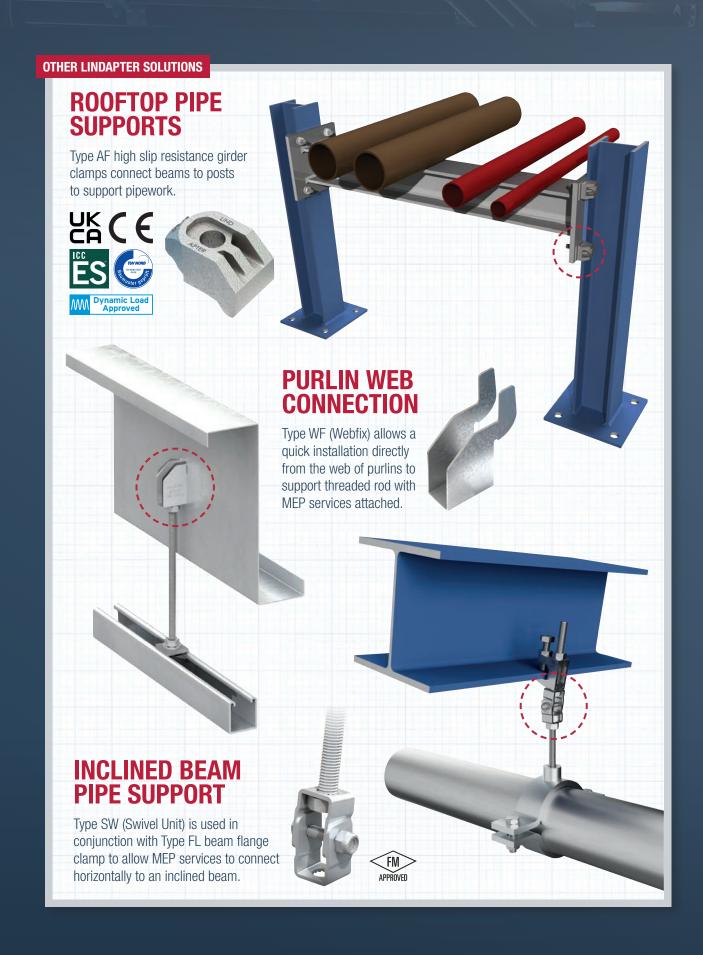
Full Product Traceability

As part of our ISO 9001 quality management system Lindapter ensures full traceability of all our products throughout the manufacturing process providing contractors with the necessary "Golden Thread" of information for compliance.











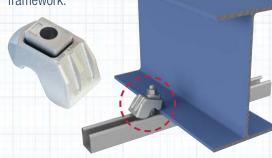
Strut Channel Applications

TYPICAL LINDAPTER SOLUTIONS

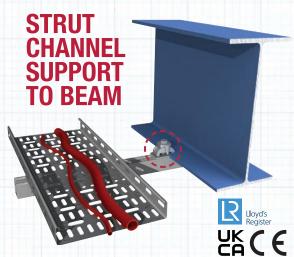
STRUT CHANNEL FRAMEWORK TO BEAM

High strength Type AAF adjustable girder clamps are used to connect a strut channel support frame to the primary steel beam. MEP services can then

be suspended from the strut channel framework.



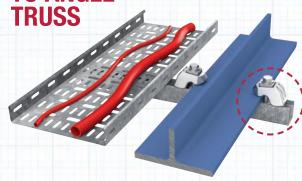




Type LR adjustable girder clamps are used to connect strut channel with opening upwards to the primary steel beam. The support can be used to hold cable tray or other MEP services.



STRUT CHANNEL SUPPORT TO ANGLE



High strength Type AAF adjustable girder clamps are used to connect strut channel with opening upwards to angle truss. The support can be used to hold cable tray or other MEP services.

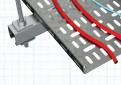




STRUT CHANNEL TRAPEZE TO **BEAM**

Type AAF adjustable girder clamps are used to connect a strut channel support with opening downwards to the primary steel beam. Threaded rod and another strut channel creates a trapeze to hold cable tray or other MEP services.









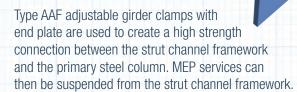




Strut Channel Applications



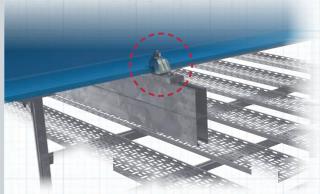
STRUT TO COLUMN











BACK-TO-BACK STRUT CHANNEL FRAMEWORK TO BEAM



Type AAF adjustable girder clamps with end plate creates a high strength connection between a backto-back strut channel framework and primary steel beam. MEP modules or other MEP services can then be suspended from the strut channel framework.









Type CF high slip resistance girder clamps and brackets are used to connect strut channel to the flanges of the primary steel column. The support can be used to hold cable tray or other CE

MEP services vertically.



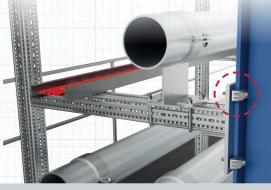
SYSTEM TO COLUMN

Type AAF high slip resistant girder clamps with location plates are used to connect heavy duty channel systems to the primary steel columns. The channel system is then used to support multiple types of MEP services including pipework and electrical cable tray.









Offsite MEP Modules



Offsite MEP module are pre-assembled building services units assembled off-site using modular construction techniques.

These modules include mechanical, electrical, and plumbing components such as pipework, cable management, and ductwork. Once manufactured they are delivered to site and easily integrated into sitebuilt projects, reducing installation time and waste.

Once on-site MEP modules require a suitable method to connect them to the buildings primary steel frame. Lindapter offers a wide range of approved solutions for the MEP module sector that provide a faster, more cost-effective alternative to onsite drilling or welding.

KEY BENEFITS



- ✓ Quick and easy to install
- ✓ No drilling or welding
- ✓ Full product traceability
- ✓ Fire Rated solutions available

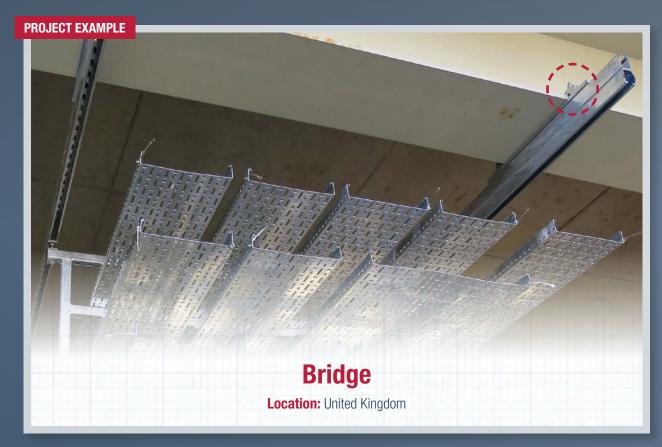


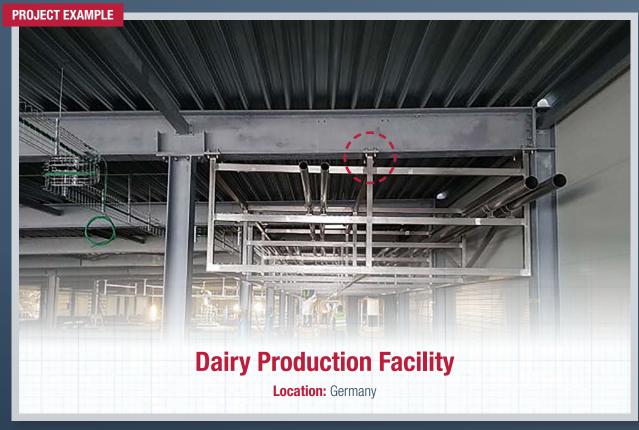
On-site Capacity Checks

Our sales engineers and technical support team can visit your sites to carry out pull out tests on our full range of decking fixings.

Contact your local Lindapter sales engineer or email support@Lindapter.com

Offsite MEP Modules





Technical Support & Service

WE ARE HERE TO HELP

Lindapter offers an extensive range of technical support and services to help you achieve the optimum solution for your next project or application. Our philosophy is to deliver the highest level of service from initial design through to installation guidance.





CHARACTERISTIC RESISTANCES

When designing a connection to Eurocode 3 please refer to our Declaration of Performance certificates that are available to download from **www.Lindapter.com**. For applications with unusual loadings or where dynamic conditions are present contact Lindapter technical support.



Accreditation & Approvals

INDEPENDENT PRODUCT APPROVALS



CE Mark

Provides additional assurance that a product complies with the EU Construction Product Regulation and will perform as stated in the corresponding Declaration of Performance (DoP). DoPs list Characteristic Resistances for use when designing connections to Eurocode 3.



UKCA

Demonstrates compliance with the Construction Products Regulation in Great Britain. Independently verified product specification data, including Characteristic Resistances for designing connections to Eurocode 3 are published in Declaration of Conformity (DoC) documents.



Fire Ratings

As part of our continued commitment and investment in product development, many Lindapter products are independently fire tested in accordance with BS EN 1991-1-2.



Factory Mutual

This American insurance organisation offers an approval that is recognised by the fire protection industry worldwide.



VdS Schadenverhütung GmbH

VdS is a leading independent testing institution in Germany for products used in fire protection applications.



ICC-ES

North America's leading evaluation service has approved multiple Lindapter products to be compliant with the International Building Code.



Dynamic Load Approval

Lindapter has gained independent ETA / CE Mark approval for Types A, B, AF and AAF when used in dynamic load applications.



Lloyd's Register Type Approval

Products subjected to tensile, frictional, vibration and shock tests, witnessed and verified by Lloyd's Register.



TÜV Nord

TÜV is the certifying authority for safety, quality and environmental protection in Germany.

QUALITY, ENVIRONMENT & TRACEABILITY

Accredited to **ISO 9001** since 1986, Lindapter strictly enforces a quality management system that includes rigorous product testing to ensure



consistently high manufacturing standards. As part of Lindapter's ISO 9001 quality management system and in compliance with the Construction Products Regulation, Lindapter operates a comprehensive Factory Production Control system that ensures traceability of all Lindapter products throughout the manufacturing process.

The company also operates an **ISO 14001** certified environmental management system, constantly



monitoring and improving aspects of the business that may impact on the environment, such as the use of natural resources as well as handling and treatment of waste and energy consumption.

Disclaimer Lindapter International supplies components in good faith, on the assumption that customers fully understand the loadings, safety factors and physical parameters of the products involved. Customers or users who are unaware or unsure of any details should refer to Lindapter International before use. Responsibility for loss, damage, or other consequences of misuse cannot be accepted. Lindapter makes every effort to ensure that technical specifications and other product descriptions are correct. Specification' shall mean the specification (relating to the use of the materials) set out in the quotation given by the Seller to the Buyer. Responsibility for errors or omissions cannot be accepted. All dimensions stated are subject to production because. - if in doubt please check with Lindapter. In the interests of improving the quality and performance of I indeparter products, we reserve the right to make specification observes.

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lindapter

Ask Lindapter to design a solution to your connection requirements:

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