

Data Centre

Application Guide

Engineered fastening solutions for the construction, fit-out and infrastructure of modern data centre facilities.

evofas.com

Engineered Fixing Systems for the
Construction Industry.



APPLICATION LED



RIGOROUSLY TESTED



BUILT FOR RELIABILITY



IN-HOUSE SUPPORT

Built to Perform. Engineered to Last.

This guide provides product selection and specification guidance for Evolution Fasteners fixing systems across all key data centre construction zones.

Each section identifies the correct product range, corrosion class and installation note for the applicable substrate and application — covering internal data hall environments through to external plant decks, service tunnels, building envelope systems, and site perimeter infrastructure.

The A4HH stainless masonry screw range is the primary specification throughout, with bi-metal TEK and marine-grade variants specified where steel substrates or aggressive environments apply.

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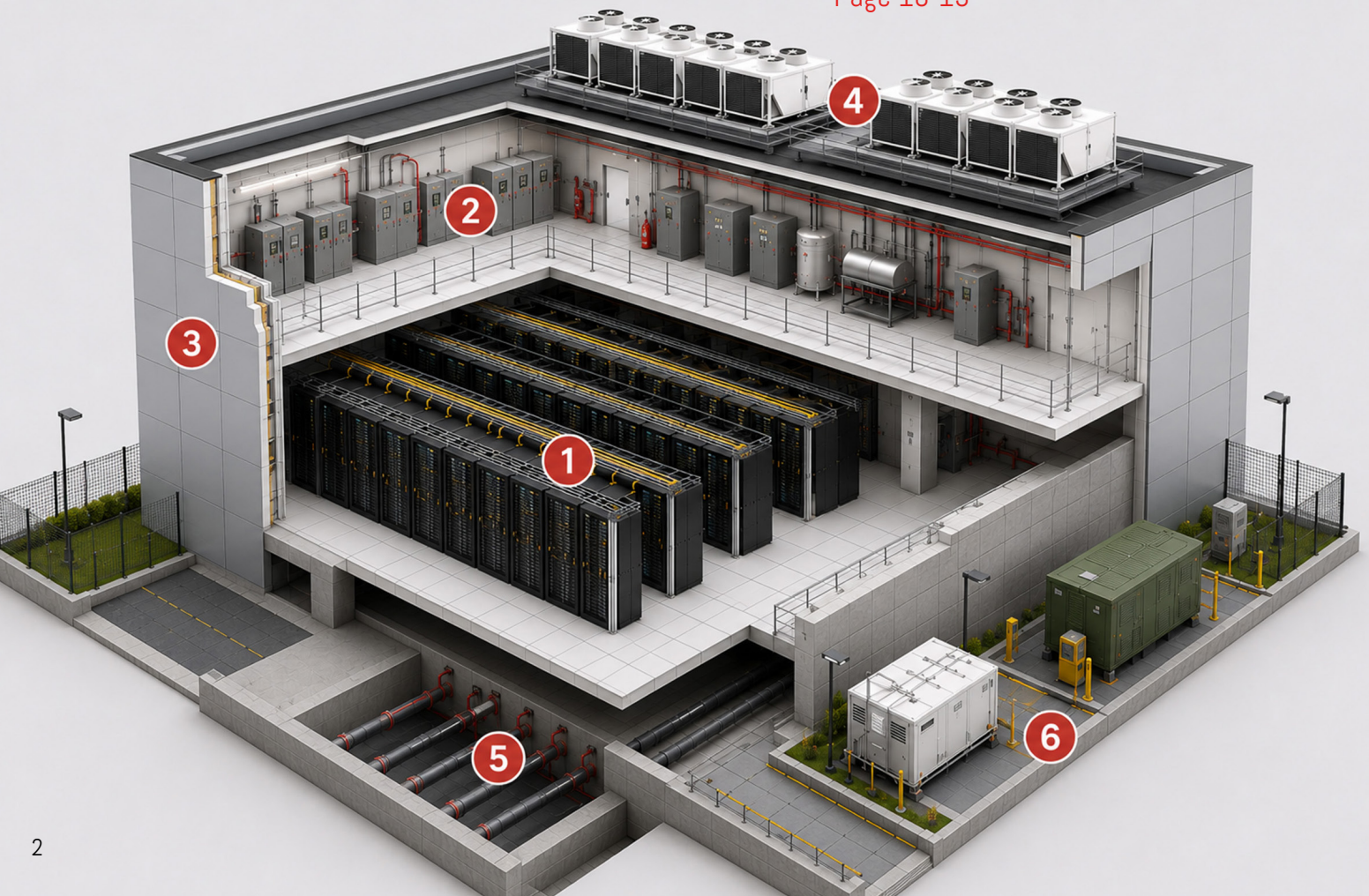
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1.Internal

Applications



Fixing solutions for raised floors, containment systems, internal partitions and mission critical infrastructure within server hall environments.

2.Mechanical

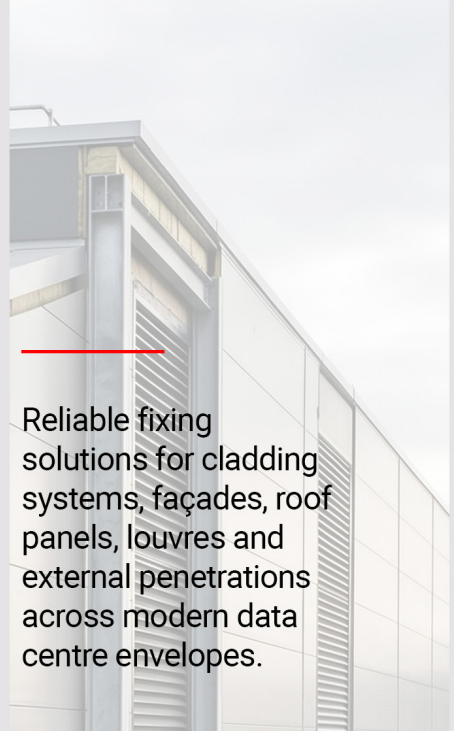
& Electrical Plant Rooms



Heavy-duty fixing systems designed for critical MEP equipment including switchgear, UPS systems, pumps, chillers and containment infrastructure.

3.Building

Envelope



Reliable fixing solutions for cladding systems, façades, roof panels, louvres and external penetrations across modern data centre envelopes.

4.Roof

& External Plant Decks



Corrosion resistant fixing systems engineered for rooftop plant equipment, chillers, generators, support steelwork and external service infrastructure.

5.Service

Tunnels, Utility Corridors & Link Bridges



Secure fixing solutions for cable containment, pipe supports, brackets and critical utility infrastructure within underground and enclosed service routes.

6.Site

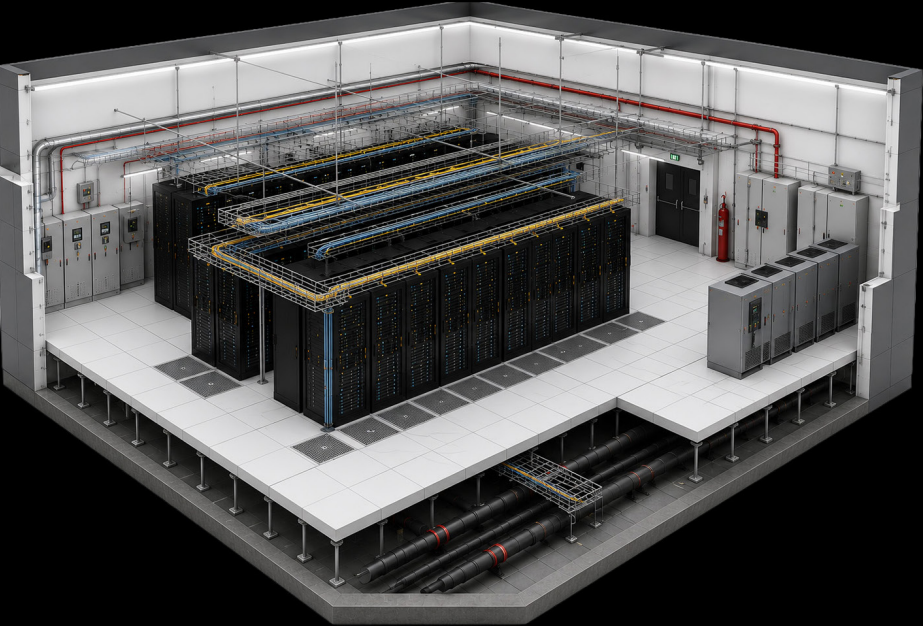
Infrastructure



Heavy-duty fixing systems for substations, generators, fuel infrastructure, security fencing and external utility compounds across hyperscale facilities.

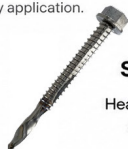
1. Internal Applications

Inside the data hall and white space



PRODUCT RANGE KEY

Our fastening solutions for every application.



SUPERTEK® 7

Heavy-duty screw for concrete-to-steel applications.



BMHH TEK3

Self-drilling fastener for steel-to-high tensile applications



BMHH TEK5

Self-drilling fastener for steel-to-medium steel applications



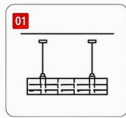
A4HH

A4 bi metal hex head fastener for concrete applications

Need assistance selecting the correct fixing solution for your project?

Our technical team can provide application guidance, product recommendations and project-specific support.

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www.evofas.com
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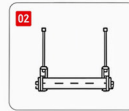


Cable Tray to Concrete Soffit

A4HH

Direct replacement for drop-in anchors and rods.

Faster installation. No anchor failure mode. De-mountable.

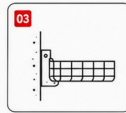


Ladder trapeze bracket to concrete soffit

A4HH

Direct replacement for drop-in anchors and rods.

Faster installation. No anchor failure mode. De-mountable.

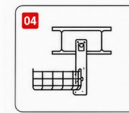


Cable basket (wire mesh type) supports to walls and soffits (concrete)

A4HH

High-load cable basket systems without traditional anchor bolts. Faster, serviceable fixing with A4HH.

Faster installation. High load capability. No need for traditional anchor bolts.

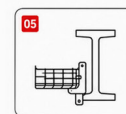


Cable Basket Supports to Steel Purlins & Mezzanines

BMHH TEK 3

Standard fixing solution commonly used for this application in hyperscale data centres.

Faster installation. Typical hyperscale solution. Suitable for steel support systems.



Cable basket Supports to Hot Rolled Beam & Columns

BMHH TEK 5/ SuperTEK 7 Marine

Typical heavy-duty solution for steel infrastructure.

Heavy Steel. High Load. Structural.

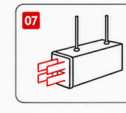


Containment Hot/Cold Aisle Returns

A4HH

Suitable for steel containment frames fixed back to concrete, masonry or blockwork. Not suitable for polycarbonate frame systems.

Steel frame compatible. Suitable for concrete and masonry substrates. Fast, serviceable installation.



Bus Bar Trunking Suspension Brackets

A4HH

Suitable for fire rated and safety critical assemblies where a serviceable, de-mountable fixing solution is required.

Fire rated applications. Safety critical support systems. Serviceable and de-mountable.

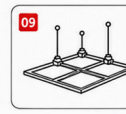


Server Rack & Cabinet Floor Anchoring

A4HH

Standard fixing solution for anchoring server racks and cabinets to concrete substrates, replacing anchor bolts and through bolts.

Replaces traditional anchor bolts. Fast installation. Suitable for concrete substrates.

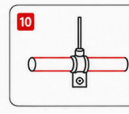


Aisle Containment Ceiling Grids

A4HH

Standard fixing solution for aisle containment ceiling grid systems, replacing anchor bolts and through bolts.

Replaces traditional anchor bolts. Fast installation. Suitable for concrete substrates.

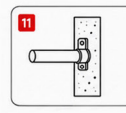


Fire Suppression Piepwork Supports

A4HH

Standard fixing solution for fire suppression pipework systems, replacing anchor bolts and through bolts. A4 stainless steel provides enhanced resistance against anti-mist induced corrosion.

Corrosion resistant A4 stainless steel. Suitable for safety critical systems. Replaces traditional anchor bolts.

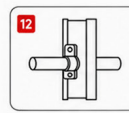


VESDA Sampling Pipe Clips to Concrete

A4HH

Light duty fixing solution for safety critical VESDA smoke detection systems fixed to concrete substrates.

Suitable for concrete substrates. Light duty fixing solution. Safety critical application.

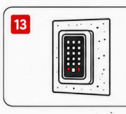


VESDA Sampling Pipe Clips to Steel

BMHH TEK 3

Light duty fixing solution for safety critical VESDA smoke detection systems fixed to light steel substrates.

Suitable for light steel substrates. Light duty fixing solution. Safety critical application.



Access Control Mounting Plates to Concrete

A4HH

Standard fixing solution for access control and door entry systems fixed to concrete substrates.

Suitable for concrete substrates. Fast installation. Secure fixing solution.



Access control and door entry mounting plates to steel jambs

BMHH TEK 3

Standard fixing solution for access control and door entry systems fixed to light steel substrates.

Suitable for light steel substrates. Fast installation. Secure fixing solution.



Internal CCTV Dome Bases to Concrete

A4HH

Standard fixing solution for internal CCTV pole and dome camera systems fixed to concrete substrates.

Suitable for concrete substrates. Secure fixing solution. Fast installation.



Internal CCTV Dome Bases to Steel

BMHH TEK 3

Standard fixing solution for internal CCTV pole and dome camera systems fixed to light steel substrates.

Suitable for light steel substrates. Fast installation. Secure fixing solution.



Key Safes to Concrete

A4HH

Standard fixing solution for key safes mounted to concrete wall substrates.

Suitable for concrete substrates. Secure fixing solution. Fast installation.

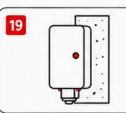


Key Safes to Steel

BMHH TEK 3

Standard fixing solution for access control and door entry systems fixed to light steel substrates.

Suitable for light steel substrates. Fast installation. Secure fixing solution.

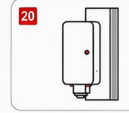


BMS Sensor Mounting to Concrete

A4HH

Light duty fixing solution for safety critical BMS sensor heads and field devices fixed to concrete substrates.

Suitable for concrete substrates. Light duty fixing solution. Safety critical application.

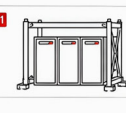


BMS Sensor Mounting to Steel

BMHH TEK 3

Light duty fixing solution for safety critical BMS sensor heads and field devices fixed to light steel substrates.

Suitable for light steel substrates. Light duty fixing solution. Safety critical application.



Battery Room Rack Tie-Downs (UPS Room, Lithium-ion Cabinets)

A4HH

Corrosion resistant fixing solution for battery room rack tie-downs in aggressive or wet environments.

Corrosion resistant A4 stainless steel. Suitable for aggressive environments. High load fixing solution.



Fire Compartmentation Steel Sub-Frames to Concrete

A4HH

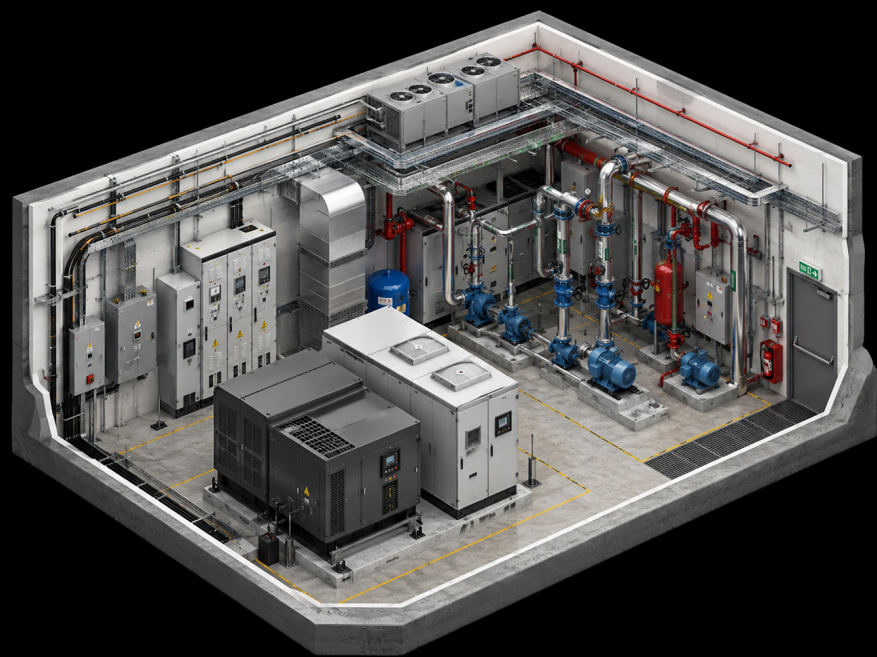
Standard fixing solution for access control and door entry systems fixed to light steel substrates.

Suitable for light steel substrates. Fast installation. Secure fixing solution.

2.

Mechanical and Electrical Plant Rooms

Within a data centre



PRODUCT RANGE KEY

Our fastening solutions for every application.



BMHH TEK3

Self-drilling fastener for steel-to-high tensile applications.



BMHH TEK5

Self-drilling fastener for steel-to-medium steel applications.



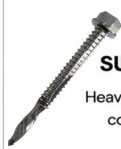
A4HH

A4 bi metal hex head fastener for concrete applications.



A4HH 8.0

A4 bi metal hex head fastener for concrete applications.



SUPERTEK® 7

Heavy-duty screw for concrete-to-steel applications.

SALES SUPPORT

Need assistance selecting the correct fixing solution for your project?

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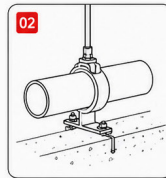


CRAC/ CRAH unit anti-vibration mount fixings to slabs

A4HH (Larger Diameters)

High load fixing solution for CRAC and CRAH cooling units mounted to concrete slabs in condensate-prone environments.

Anti-vibration mounting solution. Corrosion resistant A4 stainless steel. Replaces anchor bolts and through bolts.

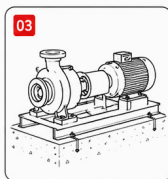


Chilled Water and Condenser Water Pipework Supports / Saddles

A4HH

Corrosion resistant fixing solution for chilled and condenser water pipework support systems in condensate-prone environments.

Suitable for condensate environments. Corrosion resistant A4 stainless steel. Secure pipework support solution.



Chilled water pump skid hold-down

A4HH (Larger Diameters)

High load fixing solution for chilled water pump skids fixed to concrete slabs in condensate-prone plant room environments.

Suitable for heavy pump systems. Corrosion resistant A4 stainless steel. Replaces anchor bolts and through bolts.

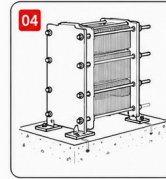


Plate Heat Exchanger Frame Fixings

A4HH

Corrosion resistant fixing solution for plate heat exchanger frame systems within mechanical plant room environments.

Suitable for plant room environments. Corrosion resistant A4 stainless steel. Secure fixing solution.

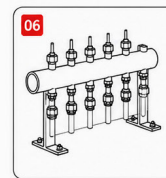


Coolant Distribution Unit Anchoring

A4HH (Larger Diameters)

High load fixing solution for coolant distribution units within modern liquid cooling environments, replacing anchor bolts and through bolts.

Designed for liquid cooling systems. Corrosion resistant A4 stainless steel. Replaces anchor bolts and through bolts.



Manifold and Rack-Side Liquid Cooling Support Brackets

A4HH

Corrosion resistant fixing solution for manifold and rack-side liquid cooling support systems in condensate-prone environments.

Designed for liquid cooling systems. Corrosion resistant A4 stainless steel. Secure support bracket fixing solution.

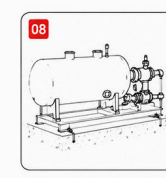


Switchgear, Transformer and ATS Hold-Down to Concrete

A4HH

Standard fixing solution for switchgear, transformer and ATS systems fixed to concrete substrates.

Suitable for critical electrical infrastructure. Secure fixing solution. Suitable for concrete substrates.

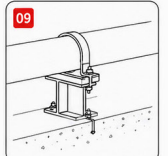


Generator Day Tank and Fuel Polishing Skid Fixings

A4HH

Standard fixing solution for generator day tanks and fuel polishing skid systems fixed to concrete substrates.

Suitable for fuel system infrastructure. Secure fixing solution. Suitable for concrete substrates.

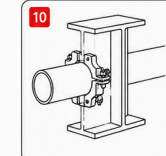


Fuel pipework Pipe-rolls and saddles to concrete

A4HH

Standard fixing solution for generator day tanks and fuel polishing skid systems fixed to concrete substrates.

Suitable for fuel system infrastructure. Secure fixing solution. Suitable for concrete substrates.

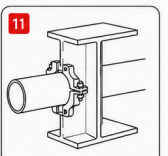


Fuel Pipework Pipe-Rolls and Saddles to Cold-Rolled Steel

BMHH TEK 3

Standard fixing solution for fuel pipework pipe-rolls and saddles fixed to light steel substrates.

Suitable for light steel substrates. Secure pipework support solution. Fast installation.



Fuel Pipework Pipe-Rolls and Saddles to Hot-Rolled Steel

BMHH TEK 5 or SuperTEK® 7 MARINE

Standard fixing solution for fuel pipework pipe-rolls and saddles fixed to structural steel substrates.

Suitable for structural steel substrates. Heavy-duty fixing performance. Secure pipework support solution.



Acoustic Louvre Frames into Concrete Reveals

A4HH

Standard fixing solution for acoustic louvre frame systems fixed into concrete reveal substrates.

Suitable for concrete substrates. Secure fixing solution. Suitable for ventilation systems.



Plant Room Door Frame Fixings & Smoke-Rated Screens to Concrete or Masonry

A4HH

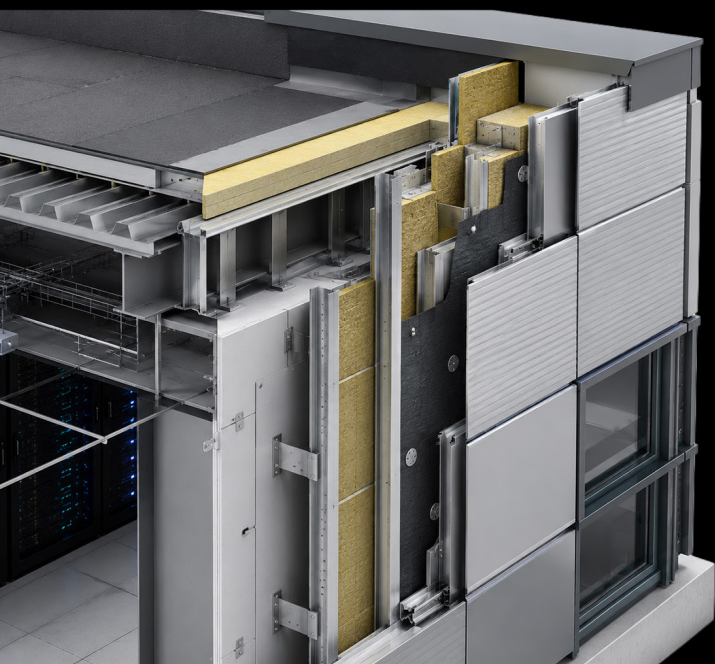
Standard fixing solution for plant room door frames and smoke-rated screen systems fixed to concrete or masonry substrates.

Suitable for concrete and masonry substrates. Suitable for smoke-rated applications. Secure fixing solution.

3.

Building Envelope

Kingspan, Eurobond or equivalent panels.



PRODUCT RANGE KEY

Our fastening solutions for every application.



BMHT12

A2 bi-metal fastener for fixing cladding and roofing systems to steel purlins, rails and SFS structures.



BMW (TEK 3)

Standard Tek (Washed). Designed for fastening aluminium sheeting and panel systems to steel substrates.



BMTSFHR (TEK 2)

A2 bi-metal stitching TEK screw for fastening overlapping steel sheets, flashings and lightweight metal components.



A4HH

A4 Bi-metal Hex Head fastener for concrete applications.



A4LPHT (TEK 3)

Low profile head TEK® 3 fastener for fixing cladding and roofing systems to light steel purlins, rails and SFS structures.



BMBW SP

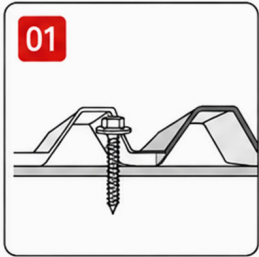
A2 Bi-metal™ low profile hex head fastener for lap-fixing profiled metal sheeting and sandwich panels while helping reduce swarf generation.

TECHNICAL SUPPORT

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technical@evofas.com
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01 RW-Style Trapezoidal Roof Panels to Purlins (Primary Fix)

BMHT TEK 3

Standard primary fixing solution for trapezoidal roof panels fixed to light steel purlins.

Suitable for roof panel systems.
Designed for light steel purlins.
Fast installation.

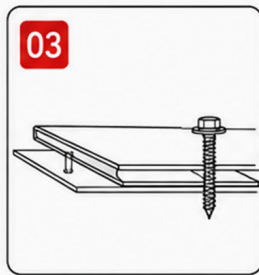


02 RW Liner Panel to Primary Frame

BMBW TEK 3

Standard fixing solution for RW liner panels fixed directly to primary steel frames.

Suitable for liner panel systems.
Designed for light steel frames.
Fast installation.

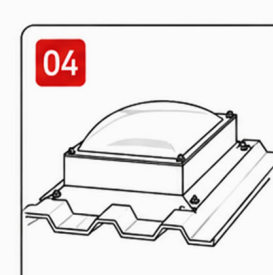


03 RW Panel Laps

BMTSFHR

Standard stitching fastener solution for overlapping RW panel lap joints.

Designed for panel lap fixings.
Helps create secure weatherproof joints.
Fast installation.

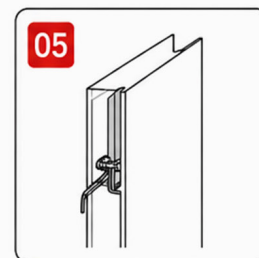


04 RW Rooflights

BMTSFHR

Standard stitching fastener solution for RW rooflight systems and translucent roof panel installations.

Suitable for rooflight systems.
Designed for panel lap fixings.
Fast installation.

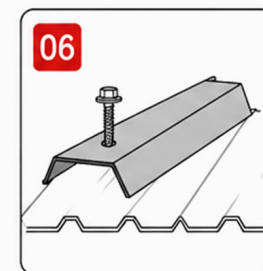


05 AWP Architectural Wall Panel – Secret Fix in the Recess

A4LPHT

Standard low profile fixing solution for secret-fix architectural wall panel systems.

Designed for secret-fix panel systems.
Low profile head design.
Suitable for architectural façade applications.

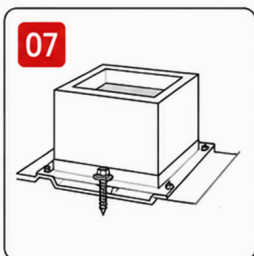


06 Flashings, Drip Trims, Eaves Fillers & Ridge Cappings to Panels

BMTSFHR

Standard stitching fastener solution for flashings, trims and ridge capping systems fixed to panel assemblies.

Designed for flashing and trim fixings.
Suitable for panel systems.
Fast installation.

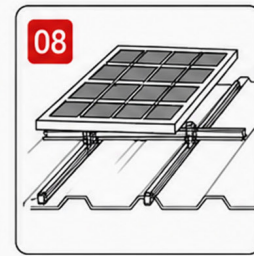


07 Rooflight Upstands and Curbs

BMBW TEK 3

Standard fixing solution for rooflight upstands and curb systems fixed to light steel structures.

Suitable for rooflight systems.
Designed for light steel substrates.
Fast installation.

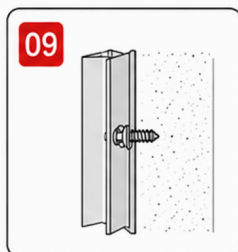


08 Solar PV Mounting Rails to Standing Seam / Trapezoidal Roof Systems

BMBW SP

Specialist fixing solution for solar PV mounting rail systems fixed to standing seam and trapezoidal roof panel assemblies.

Designed for solar PV systems.
Suitable for standing seam and trapezoidal roofs.
Secure mounting rail fixing solution.



09 Façade Rainscreen Subframe Fixings to Concrete Walls

A4HH

Standard fixing solution for façade rainscreen subframe systems fixed to concrete wall substrates.

Suitable for rainscreen façade systems.
Designed for concrete substrates.
Corrosion resistant A4 stainless steel.

4.

Roof and External Plant Decks

Supporting critical rooftop mechanical and electrical systems.



PRODUCT RANGE KEY

Our fastening solutions for every application.



A4HH

A4 Bi-metal Hex Head fastener for concrete applications.



A4HH 8.0

Larger Diameter A4 Bi-metal Hex Head fastener for concrete applications.



A8BMBW

A8 bi-metal standard TEK fastener designed for fastening of various non-structural elements in extremely corrosive environments



BMBW SP

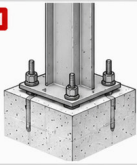
A2 Bi-metal™ low profile hex head fastener for lap-fixing profiled metal sheeting and sandwich panels while helping reduce swarf generation.

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01



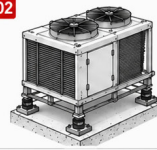
Plant Deck Steel Base Plates to Concrete Plinths

A4HH

High load fixing solution for plant deck steel base plates fixed to concrete plinths.

Replaces anchor bolts and through bolts. Suitable for concrete plinths. High load fixing solution.

02



Air-Cooled Chiller Anti-Vibration Mount Fixings

A4HH – Larger Diameters

Corrosion resistant fixing solution for anti-vibration chiller mounts within condensate-prone rooftop environments.

Suitable for rooftop chiller systems. Corrosion resistant A4 stainless steel. Replaces anchor bolts and through bolts.

03



Cooling Tower Base Fixings to Concrete

A4HH

Corrosion resistant fixing solution for cooling tower base systems fixed to concrete substrates.

Suitable for chloride environments. Corrosion resistant A4 stainless steel. Replaces anchor bolts and through bolts.

04



Dry Cooler Frames

A4HH

Standard fixing solution for rooftop dry cooler frame systems.

Suitable for rooftop cooling systems. Corrosion resistant A4 stainless steel. Secure frame fixing solution.

05



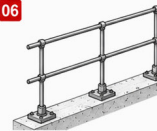
Acoustic Plant Screen Post Baseplates

A4HH

Standard fixing solution for acoustic plant screen post baseplates fixed to rooftop structures.

Suitable for acoustic screening systems. Suitable for rooftop applications. Secure baseplate fixing solution.

06



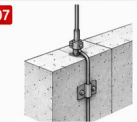
Walkway, Edge Protection and Access Platform Stanchions

A4HH

Standard fixing solution for rooftop walkway, edge protection and access platform systems.

Suitable for rooftop safety systems. Designed for access platforms and walkways. Secure fixing solution.

07



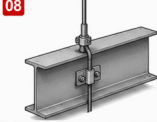
Lightning Protection – Air Termination Network Bases & Down-Conductor Cleats to Walls and Parapets (Concrete)

A4HH

Standard fixing solution for lightning protection systems fixed to concrete walls and parapets.

Suitable for lightning protection systems. Designed for concrete substrates. Corrosion resistant A4 stainless steel.

08



Lightning Protection – Air Termination Network Bases & Down-Conductor Cleats to Walls and Parapets (Steel)

A8BMBW

Standard fixing solution for lightning protection systems fixed to steel walls and parapets.

Suitable for lightning protection systems. Designed for steel substrates. Corrosion resistant A8 bi-metal fastener.

09



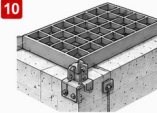
Antenna and Telecom Mast Baseplates, Microwave Dish Brackets

A4HH

Standard fixing solution for antenna, telecom mast and microwave dish support systems.

Suitable for telecom infrastructure. Secure baseplate fixing solution. Suitable for rooftop applications.

10



Rooftop Walkway Grating Clips and Edge Frames (Concrete)

A4HH

Standard fixing solution for rooftop walkway grating clips and edge frame systems fixed to concrete substrates.

Suitable for rooftop walkway systems. Designed for concrete substrates. Secure grating fixing solution.

11



Rooftop Walkway Grating Clips and Edge Frames (Steel)

A8BMBW

Standard fixing solution for rooftop walkway grating clips and edge frame systems fixed to steel substrates.

Suitable for rooftop walkway systems. Designed for steel substrates. Corrosion resistant A8 bi-metal fastener.

12



HVAC Ductwork External Trapezes Through Plant Decks (Concrete)

A4HH

Standard fixing solution for external HVAC ductwork trapeze systems fixed through concrete plant decks.

Suitable for HVAC support systems. Designed for concrete substrates. Secure trapeze fixing solution.

13



HVAC Ductwork External Trapezes Through Plant Decks (Steel)

A8BMBW

Standard fixing solution for external HVAC ductwork trapeze systems fixed through steel plant decks.

Suitable for HVAC support systems. Designed for steel substrates. Corrosion resistant A8 bi-metal fastener.

14



Solar PV Inverter Mounting and Combiner Boxes to Walls (Concrete or Masonry)

BMHH TEK 3

Standard fixing solution for internal CCTV pole and dome camera systems fixed to light steel substrates.

Suitable for light steel substrates. Fast installation. Secure fixing solution.

15



Solar PV Inverter Mounting and Combiner Boxes to Walls (Steel – Anything Thicker Than 1.2mm)

A8BMBW

Standard fixing solution for solar PV inverter and combiner box systems fixed to structural steel substrates.

Suitable for solar PV systems. Designed for steel substrates above 1.2mm. Corrosion resistant A8 bi-metal fastener.

16



Solar PV Inverter Mounting and Combiner Boxes to Walls (0.5 to 1.2mm)

BMBW SP

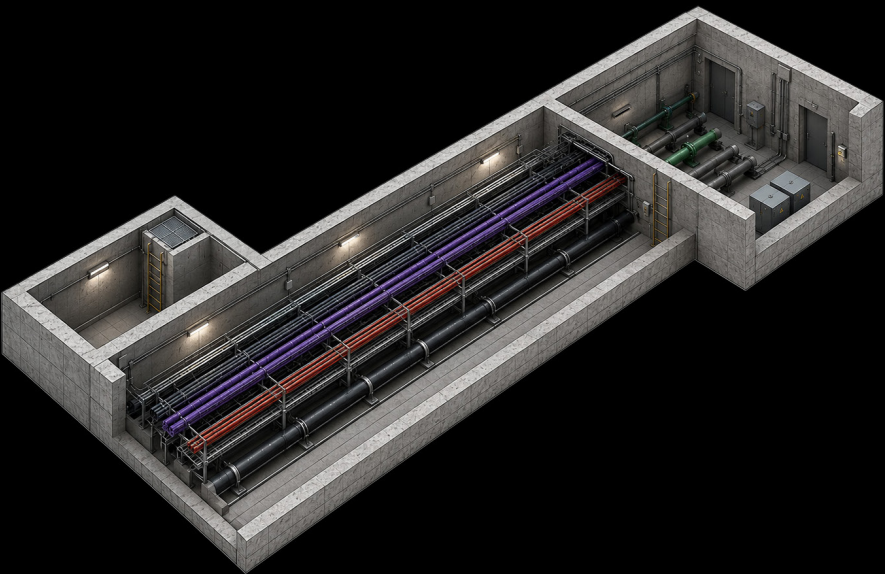
Standard fixing solution for solar PV inverter and combiner box systems fixed to thin gauge steel substrates.

Suitable for solar PV systems. Designed for thin gauge steel substrates. Fast installation.

5.

Service Tunnels, Utility Corridors and Link Bridges

Critical service corridors supporting power, cooling and data infrastructure throughout hyperscale facilities.



PRODUCT RANGE KEY

Our fastening solutions for every application.



A4HH

A4 Bi-metal Hex Head fastener for concrete applications.



A8BMBW

A8 bi-metal standard TEK fastener designed for fastening of various non-structural elements in extremely corrosive environments

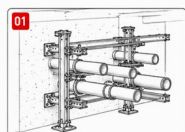


TECHNICAL SUPPORT

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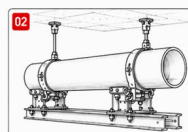


Sikla-Style Modular Service-Tunnel Pipe Frames Anchored to Concrete Walls/Soffit

A4HH

Standard fixing solution for modular service-tunnel pipe support frames fixed to concrete walls and soffits.

Suitable for modular pipe support systems. Designed for concrete wall and soffit fixings. Corrosion resistant A4 stainless steel.

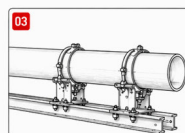


Chilled Water and Condenser Water Pipe Roller and Clevis Supports

A4HH

Standard fixing solution for chilled water and condenser water pipe support systems within utility corridors and tunnels.

Suitable for roller and clevis pipe supports. Designed for utility tunnel environments. Corrosion resistant A4 stainless steel.



Process/Cooling Pipe Pipe-Rolls, U-Bolts and Saddle Clamps

A4HH

Standard fixing solution for process and cooling pipe support assemblies fixed within service tunnel infrastructure.

Suitable for U-bolts and saddle clamp systems. Designed for cooling and process pipework. Secure heavy-duty fixing solution.



Cable Ladder/Tray Trapezes Through Tunnels

A4HH

Standard fixing solution for suspended cable ladder and tray trapeze systems within utility tunnels.

Suitable for cable containment systems. Designed for suspended trapeze installations. Corrosion resistant A4 stainless steel.

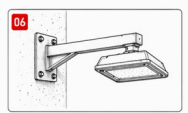


Bus Bar Runs in Tunnel Link Sections

A4HH

Standard fixing solution for busbar containment and support systems installed within tunnel link sections.

Suitable for busbar support systems. Designed for utility corridor infrastructure. Secure fixing solution.

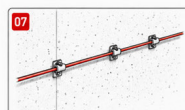


Tunnel Lighting Brackets and Emergency Luminaire Supports

A4HH

Standard fixing solution for tunnel lighting brackets and emergency luminaire support systems.

Suitable for tunnel lighting systems. Designed for emergency lighting supports. Corrosion resistant A4 stainless steel.

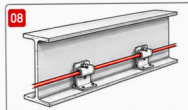


Fire Detection (Linear Heat Detection Cable) Cleats (Concrete)

A4HH

Standard fixing solution for linear heat detection cable cleats fixed to concrete tunnel walls and soffits.

Suitable for fire detection systems. Designed for concrete substrates. Corrosion resistant A4 stainless steel.

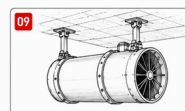


Fire Detection (Linear Heat Detection Cable) Cleats (Steel)

A8BMW

Standard fixing solution for linear heat detection cable cleats fixed to structural steel substrates.

Suitable for fire detection systems. Designed for steel substrates. Corrosion resistant A8 bi-metal fastener.

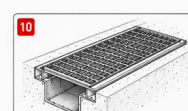


Tunnel Fan and Jet Fan Bracket Fixings

A4HH

Standard fixing solution for tunnel ventilation fan and jet fan bracket systems.

Suitable for tunnel ventilation systems. Designed for heavy-duty fan supports. Corrosion resistant A4 stainless steel.

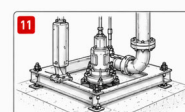


Drainage Channel Grating Frames

A4HH

Standard fixing solution for drainage channel grating frame systems within utility corridors and tunnels.

Suitable for drainage channel systems. Designed for utility tunnel environments. Secure fixing solution.

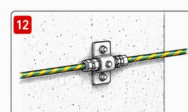


Sump Pump and Packaged Pump-Station Fixings

A4HH

Standard fixing solution for sump pump and packaged pump-station systems fixed to concrete bases.

Suitable for pump station systems. Designed for concrete substrates. Corrosion resistant A4 stainless steel.



Equipotential Bonding Cleats to Concrete Walls

A4HH

Standard fixing solution for equipotential bonding and earthing cleat systems fixed to concrete walls.

Suitable for electrical bonding systems. Designed for concrete substrates. Corrosion resistant A4 stainless steel.



Access Ladder, Walkway Grating and Handrail Post Fixings

A4HH

Standard fixing solution for access ladders, walkway grating and handrail support systems.

Suitable for maintenance access systems. Designed for handrail and walkway installations. Secure fixing solution.



Personnel Access Door Frames and Security Hatches

A4HH

Standard fixing solution for personnel access door frames and security hatch systems fixed into concrete or masonry openings.

Suitable for access door systems. Designed for concrete and masonry substrates. Corrosion resistant A4 stainless steel.

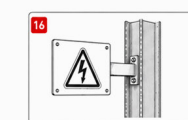


Cable Tray Identification and Warning Sign Brackets (Concrete and Masonry)

A4HH

Standard fixing solution for cable tray identification and warning sign brackets fixed to concrete and masonry substrates.

Suitable for identification and warning signage. Designed for concrete and masonry substrates. Corrosion resistant A4 stainless steel.



Cable Tray Identification and Warning Sign Brackets (Steel)

A8BMW

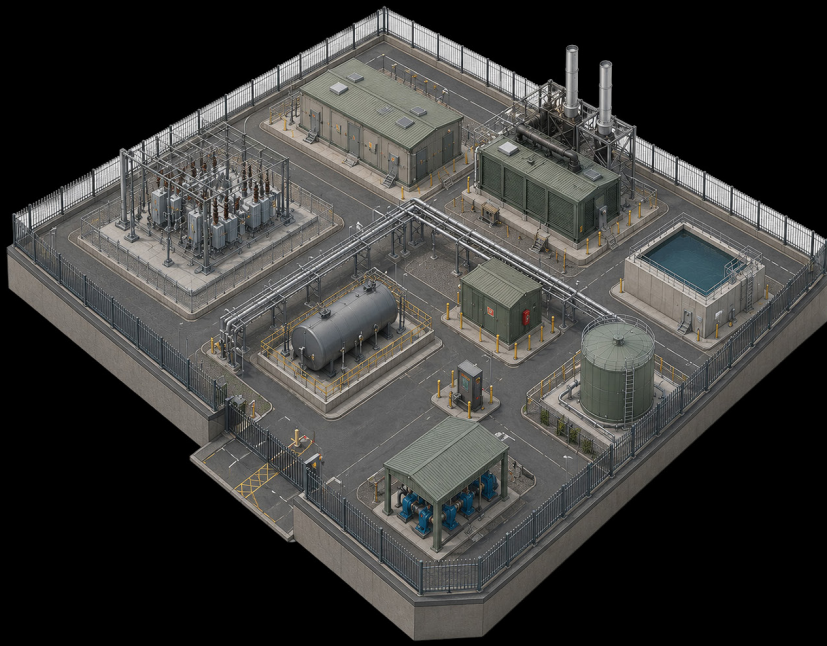
Standard fixing solution for cable tray identification and warning sign brackets fixed to steel substrates.

Suitable for identification and warning signage. Designed for steel substrates. Corrosion resistant A8 bi-metal fastener.

G.

External Site Infrastructure

Critical external infrastructure supporting power, cooling and site-wide utility distribution across hyperscale data centre facilities.



PRODUCT RANGE KEY

Our fastening solutions for every application.



A4HH

A4 Bi-metal Hex Head fastener for concrete applications.



A4HH 8.0

Larger Diameter A4 Bi-metal Hex Head fastener for concrete applications.

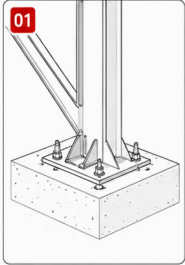


SALES SUPPORT

Need assistance selecting the correct fixing solution for your project?

The Evolution Fasteners sales team can provide product recommendations, pricing support and guidance for your application requirements.

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www.evofas.com
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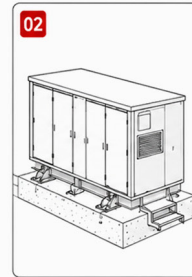


Substation Building Steelwork to Concrete Plinths

A4HH

Heavy-duty fixing solution for structural substation steelwork fixed to reinforced concrete plinths.

Suitable for structural steel baseplates.
Designed for concrete plinth installations.
Corrosion resistant A4 stainless steel.

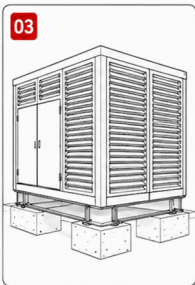


HV/MV Switch Room Enclosure Tie-Downs

A4HH

Secure hold-down fixing solution for HV/MV switch room enclosures within external utility compounds.

Suitable for switch room enclosures.
Designed for high load hold-down applications.
Corrosion resistant A4 stainless steel.

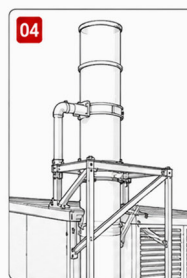


Generator Enclosure and Acoustic Louvre Frames

A4HH

Heavy-duty fixing solution for generator enclosure structures and acoustic louvre support frames.

Suitable for acoustic louvre systems.
Designed for generator enclosure installations.
Corrosion resistant A4 stainless steel.

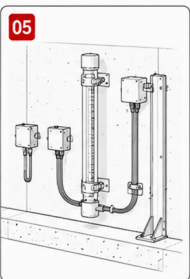


Generator Exhaust Riser Support Brackets

A4HH

High-performance fixing solution for generator exhaust riser support brackets within thermal cycling environments.

Suitable for high-temperature applications.
Excellent low-cycle fatigue resistance.
Corrosion resistant A4 stainless steel.

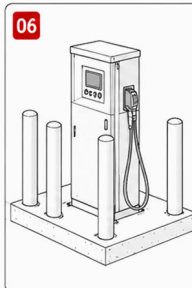


Fuel Tank Bund Wall Fixings (Sensors, Level Gauges, Cleats)

A4HH

Corrosion resistant fixing solution for fuel bund wall sensors, gauges and cleat systems.

Suitable for fuel infrastructure systems.
Excellent hydrocarbon resistance.
Corrosion resistant A4 stainless steel.

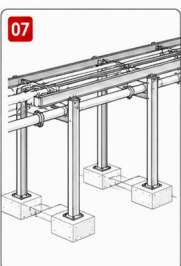


Fuel Fill Point Cabinet and Bollard Surrounds

A4HH

Heavy-duty fixing solution for fuel fill point cabinets and protective bollard installations.

Suitable for fuel filling infrastructure.
Excellent hydrocarbon resistance.
Designed for external utility compounds.

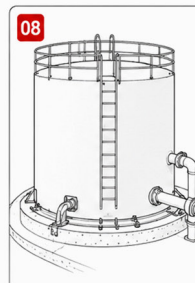


Diesel/HVO Pipe Gallery Supports

A4HH

Heavy-duty fixing solution for diesel and HVO pipe gallery support structures.

Suitable for pipe gallery support systems.
Excellent hydrocarbon resistance.
Corrosion resistant A4 stainless steel.

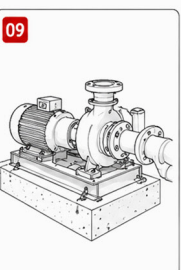


Water Tank and FW Storage Tank Ancillary Fixings

A4HH

Standard fixing solution for ancillary support systems around water and firewater storage tanks.

Suitable for storage tank infrastructure.
Designed for external utility compounds.
Corrosion resistant A4 stainless steel.

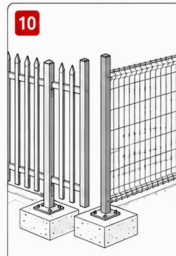


Pump House Equipment Hold-Down

A4HH

Heavy-duty fixing solution for pump house equipment and mechanical plant hold-down systems.

Suitable for mechanical plant equipment.
Designed for concrete foundations.
Secure hold-down fixing solution.



Site Security Fencing – Palisade and Weldmesh Post Baseplates to Concrete

A4HH -Larger Diameters

Heavy-duty fixing solution for perimeter security fencing systems fixed to concrete substrates.

Suitable for palisade and weldmesh fencing.
Direct equivalent to anchor bolts and through bolts.
Designed for concrete baseplate fixings.

Building Data Centres Responsibly.

Sustainability is integral to the way we operate, the products we manufacture and the partnerships we build.

SILVER | Top 15%

ecovadis

Sustainability Rating

FEB 2026

ECOVADIS SILVER RATING

Evolution Fasteners has achieved an EcoVadis Silver Rating, placing us in the top 15% of companies assessed globally for sustainability performance.

This independent assessment covers Environment, Labour & Human Rights, Ethics and Sustainable Procurement.

ECO PLATFORM

EPD
VERIFIED

ENVIRONMENTAL PRODUCT DECLARATIONS (EPDs)

Our EPD programme provides independently verified lifecycle assessment data for Evolution Fasteners screw products.

Developed in accordance with ISO 14025 and EN 15804+A2 and independently verified through EPD Ireland, our EPDs provide transparent environmental information to support responsible product selection and project reporting.

EPDs help consultants, contractors and clients:

- Understand product lifecycle impacts
- Support environmental reporting requirements
- Compare construction products using verified data
- Make informed specification decisions based on transparent environmental information

QUALITY & TRACEABILITY

Rigorous quality control, full material traceability and batch testing.

ETA APPROVED PRODUCTS

In-house laboratory testing and validation for assured performance and product reliability.

UKAS ACCREDITED TESTING LABORATORY

In-house laboratory testing and validation for assured performance and product reliability.

Our Commitment. Your Confidence.

Modern data centre projects demand more than high-performance products.

They demand transparency, accountability and a commitment to reduce environmental impact across the whole lifecycle.

At Evolution Fasteners, we continue to invest in people, processes and product innovation to support the delivery of sustainable, high-performance infrastructure.

SUPPORTING RESPONSIBLE CONSTRUCTION



LOWER ENVIRONMENTAL IMPACT

Manufacturing processes focused on efficiency, resource reduction and waste minimisation.



EMBODIED CARBON AWARE

EPDs and product data that help projects measure and reduce embodied carbon.



DURABLE BY DESIGN

Products engineered for long service life and corrosion resistance, reducing replacement and maintenance.



RESPONSIBLE SUPPLY CHAIN

We work with trusted suppliers who share our commitment to ethical and sustainable practices.



SUPPORTING GREEN BUILDING GOALS

Our products contribute to sustainable construction certifications and client ESG targets.

**Together, we can
build better.**

From design through to operation, we are committed to supporting a more resilient, efficient and sustainable built environment.

**Better products.
Better performance.
Better for the future.**

Need more information?

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Engineered Fixings.

Built for Critical Infrastructure.

Our range of high-performance fixing solutions engineered for every zone of the data centre.

Internal applications

MEP plant rooms

Building envelope

Roof plant decks

Utility Tunnels

External infrastructure



*A4HH available in these diameters:
6.3, 8.0, 10.0*, 12.0*

*10.0, 12.0 Dia
coming soon

6.3 range ETA approved

A4HH

A4 Grade Bi-metal™ Masonry Screws*



A4LPHT

Low Profile Head TEK® 3 Range for Light Steel



BMTSHW

A4 SuperTEK® Marine® 7



BMBW

A2 Bi-metal™ TEK® 3 Bonded Hex Washer



BMHT

A2 Composite Panel, (12mm washer)



Fixing Solutions for Every Data Centre Zone.

Corrosion Resistant.

Engineered for
Performance.

BMBWSP

A2 Bi-metal™ Low Profile Hex Head Sharp Point



BMTSFHR

A2 Bi-metal™ Stitching TEK® Screw



BMHH

A4 Bi-metal™ TEK® 3 Screw (No Washer)



BMHH

A4 Bi-metal™ TEK® 5 Screw (No Washer)



A8BMBW

A8 Bi-metal™ TEK® 3/5



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Technical Expertise.

Global Supply Partner.

Quality Assured.

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Technical Support.

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Construction Industry.

