

Supporting you to deliver
quality installations on time



Walraven Project Solutions

Products and technical support for you



Introducing Walraven, your installation partner



Project support for you

Here at Walraven we can help you deliver high quality, effective and efficient installations. Whether you need on site support, product advice or full system designs, we are here to help.

About Walraven

The Walraven Group has been developing and manufacturing M&E fixing systems since 1942. With its headquarters in Mijdrecht, The Netherlands, Walraven is today an internationally active enterprise with its own production facilities and sales offices in 20 countries worldwide.

In the UK we have production, warehouse and sales facilities in Banbury, Oxfordshire, and a network of stockists and distributors across the UK and Ireland.



■ Walraven Ltd. | 18 Wildmere Road, Banbury (GB), Oxon, OX16 3JU
Tel. +44 1295 75 34 00 | sales.uk@walraven.com

Walraven Group worldwide

- 30 companies
- 1.400+ employees
- 20 countries



Market served by:
■ Walraven companies
■ Distributor

Innovation and Quality

Innovation and quality are top priorities at Walraven. Our products are designed with the installer in mind, ensuring we focus on developing fixings that are easy to install to help make installation efficient and effective.

Quality standards are considered at every stage including our internal processes and procedures as well as obtaining third party quality and compliance approvals such as RAL and ETAs.



Sustainability and Corporate Responsibility

Walraven UK are proud to have achieved certifications for ISO 9001 quality management systems, ISO 14001 environmental systems and ISO 45001 for occupational health and safety management.

Improving our products and processes to ensure they are as sustainable and environmentally friendly as possible is a key driver for the whole organisation currently. We are continually looking at ways to reduce our carbon footprint and are implementing changes all the time to drive this initiative forward.



Introducing Walraven for smart system solutions

We believe that each individual product is an important part of a total system solution. It is a combination of individual products which support a pipe system or HVAC unit on a rooftop. So it is important to consider not only how the product performs on its own, but also how it performs as part of that system solution.

Our products can be combined to provide full system solutions including:

- Pipe support systems
- HVAC support systems (including rooftop installations)
- Passive fire protection systems
- Electrical fixing systems

Smart system solutions

Pipe Support Systems

Our solutions for fixing pipework include everything you need from anchor to clamp. Whether that's for direct fastening to a surface, hanging trapeze frames and dealing with expansion and contraction, we have the suite of products required. We can cater for light duty pipework up to heavy duty industrial solutions.



Our pipe support products include:

Heavy Duty Anchors

Walraven heavy duty anchors offer a broad range of ETA-approved mechanical anchors, complemented by a dedicated anchor calculation software and pull test service. Covering a broad spectrum of applications in cracked and non-cracked concrete, masonry, and seismic environments, our products offer excellent performance, are easy to use and most importantly, they are safe.



Rail Systems

We offer three complete rail systems which include channel and preassembled fixing accessories to enable you to create complete, modular HVAC support frames.

- Walraven RapidRail® light channel fixing system
- Walraven RapidStrut® medium rail system
- Walraven Maxx heavy duty rail system



Pipe Supports

We have an extensive range of pipe supports from traditional support brackets to modern pipe clamps with innovative features to make installation easier. With a variety of surface finishes we can also offer supports for more corrosive environments. Our UK-made phenolic insulated pipe supports offer optimal thermal efficiency and install effortlessly with our unlined clamps or split bands.



Expansion Guides and Devices

Dealing with expansion can be complex. Our Technical Team can support on this topic and our product solutions for dealing with expansion and contraction range from light duty sliders for small pipework up to fixpoint consoles capable of dealing with very large forces.



Smart system solutions

HVAC Support Systems

Whether that's on a rooftop or inside a commercial plant room, our HVAC support products can be used to provide strong, reliable fixings, modular systems and anti-vibration solutions.



Rooftop Supports

Our rooftop supports include modular, versatile solutions suitable for supporting anything from small A/C units to high load equipment. The main features of our system include:

- Non-penetrative solutions for flat and pitched roofs
- Our rooftop feet (Walraven Yeti®) are resistant to UV and chemical influences
- Sustainable solutions – the mouldings are made of WPC (recycled plastic and wood fibre composite)
- DIN and EN ISO testing for noise reduction and UV resistance
- Walkway and stepover solutions available



Walraven VibraTek® Anti-Vibration Systems

Walraven VibraTek® products provide effective vibration and acoustic isolation for mechanical services and HVAC equipment. The range includes hanging and mounted solutions covering everything from heat pumps and pipe systems to large HVAC units and industrial machinery.



Walraven Maxx Modular Heavy Frame

For heavy duty installations, our modular steel system is easy to install, versatile and can be prefabricated offsite. Whether you have high-load plant, large utility risers, commercial plant rooms or service bridges at height, this system can offer a solution. Our 'twist and lock' Hammerfix connector makes assembly quick and easy, and our Technical Team can provide designs to help you get one step ahead.



Heat Pump Wall Mounting Sets

With the growing demand for air source heat pumps, we have designed a bespoke mounting bracket set which can be used to fix ASHPs to a wall. It can support up to 1200N and is suitable for most common ASHP designs.



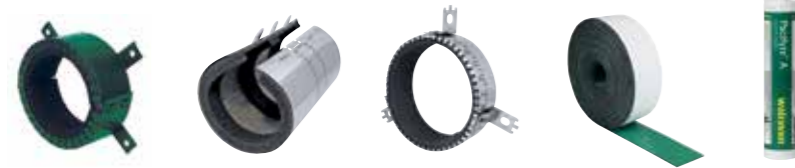
Smart system solutions

Passive Fire Protection Systems & Electrical Fixing Systems

Passive Fire Protection Systems

Firestop pipe penetrations easily and compliantly with our Walraven Pacifyre® product range. We are developing this range and currently we can offer a suite of products and support including:

- ETA certified & CE Marked products for fire sealing pipe penetrations
- Sealants for cable penetrations
- Detailed installation guidance
- Technical advice and support throughout your project
- Fire tested fixings for your wider installation



Electrical Fixing Systems

Your cable-fixing needs are covered by Walraven Britclips® Electrical Fixings. From beam clips to purlin clips, cable clips to threaded rod hangers, ceiling clips and deck hangers, there is a fixing for any type of installation. It also includes our award-winning Walraven Britclips® RSWB, an adjustable bracket for fast mounting of electrical boxes within stud walls. The whole range is manufactured in the UK with high grade spring steel, offering cost-effective, high quality fixing.



Introducing Walraven Project Support

From engineering to on-site construction support

Our services

Our Projects and Technical Support Team are available to help you deliver efficient and effective installations.

Our services include:

- Design service
- Technical advice about Walraven products
- Prefabrication
- 3D modelling
- BIM support
- Site visits
- Toolbox talks
- Pull tests
- CPD delivery



Ready to support you on site or over the phone

Get in touch

The team can support on topics such as thermal expansion, fire sealing of pipe penetrations, seismic installations, corrosive environment solutions, rooftop installations and more. We can also assist with providing prefabricated solutions.

We want to help you find the most effective solutions for your construction challenges so engage us early in the process and we can work with you to deliver your project requirements.

Email: technical.uk@walraven.com
Phone: +44 1295 75 34 00



Project Support Case Studies

Everton Stadium

Pitched roof installation



Project introduction

Everton Football Club are building a brand new, state of the art stadium on the banks of the River Mersey. The estimated cost of the project is £500m and it will have an ambitious curved 'bowl' design made up of steel and glass.

The challenge

Walraven were invited on site to discuss a number of challenges they were facing with the M&E installation. Firstly, due to the curved design of the structure, the contractors (Laing O'Rourke) were looking for M&E supports that could sit on the curved surfaces. The second issue they had was the requirement for anchors suitable for a high C4 environment due to the proximity to the river.

The solution

We recommended our Walraven Yeti® 480 support feet which can cater for pitched surfaces up to 7°. This would allow them to safely support the electrical containment and ducting. They also met the sustainability/environmental requirements for the project.

Regarding the anchors, typically specialist anchors for C4 environments are expensive. Walraven were able to offer a more cost-effective alternative solution which was the use of Walraven concrete screws with a special corrosion-resistant coating provided by a partner supplier.



Manufacturing facility

Outdoor pipe support bridge



Project introduction

The client were building a state-of-the-art headquarters, manufacturing and R&D facility for a specialist cooling systems manufacturer.

The challenge

A bespoke outdoor support system was required to span two buildings at a high level, carrying a mixture of pipelines and electrical containment. The supports had to allow for vehicle access under the structure.

The solution

Walraven Maxx heavy frame modular support system provided the scale and stability required. The solution was a 4 metre high, 17 metre long bridge. The design allowed for wind loadings and containment weights.



The Shard

Fire stopping pipe penetrations



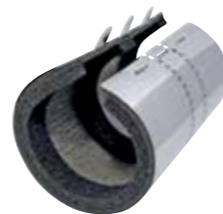
Project introduction

The Shard is an architecturally striking vertical city incorporating retail, offices, hotel, apartments, restaurants and a public viewing gallery. Standing at 310 meters (95 storeys) it is one of the tallest buildings in western Europe.

The challenge

The main contractor had initially specified a generic fire stop on this project. However, the District Surveyor for the London Borough of Southwark was concerned about the breakouts from the riser shafts and whether a general fire stop solution would be sufficient to cope with the extensive movement expected within the risers.

The technical team were able to demonstrate that the fire sleeve met all six criteria and would be an effective and easy to install solution. The product was subsequently installed throughout the risers at The Shard.



The solution

The sub-contractor recommended Walraven Pacifyre® MKII Fire Sleeve to the main contractor as a possible solution as they had used it on another project. Walraven's technical team were asked to discuss the solution with the Consultants responsible on the project who had six criteria for the fire stop:

- Be effective under movement of both the building and the pipework
- Provide a cold smoke seal
- Provide a hot smoke seal
- Be effective under building vibration
- Minimise the conduction of noise
- Provide a suitable gap filler

Luxury care homes

Installation of mechanical services



Project introduction

The customer provides luxury care homes for the elderly in the South of England and have worked with Walraven for many years.

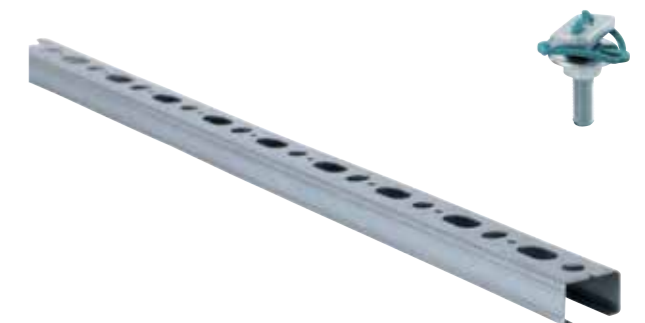
The challenge

The contractor asked Walraven to help them find a way to speed up the installation process for the mechanical services throughout their care home projects.

The solution

Walraven RapidRail® system offered a fast and flexible solution. This included green-lined clips which are perfectly suited to plastic pipe systems where expansion is expected. With the added benefit of prefabrication in our own factory, we could deliver pre-assembled units for immediate installation.

"Walraven RapidRail® is our preferred bracketry system for installation projects. It's a great quality product that is fast and easy to install. We have saved over 150hrs installation time using this product range. We would highly recommend Walraven products and services" Gavin Hayes, Project Manager



References

Bristol - UK / Bridge Construction



Bratislava - Slovakia / Bory Mall



Szczecin - Poland / Sports Centre



Lancashire - UK / Property Refurbishment



Shanghai - China / Disney Resort



Contact our Projects and Technical Team to discuss your M&E projects.

Email: technical.uk@walraven.com Phone: +44 1295 75 34 00

Find out how we can support you

Would you like to find out more about any of the solutions described in this brochure?
Or would you like to discuss how we could help you find the best possible solution for your project?
Get in touch today!

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* The technical data are non-binding and do not reflect the warranted characteristics of the products. They are subject to change. Please consult our General Terms and Conditions. Additional information is available upon request. It is the designer's responsibility to select products suitable for the intended purpose and to ensure that performance data are not exceeded. The installation instructions should always be read and followed.

United Kingdom Ireland

Walraven Ltd.
18 Wildmere Road
Banbury (GB)
Oxon, OX16 3JU
Tel. +44 1295 75 34 00
sales.uk@walraven.com

Walraven Group

Mijdrecht (NL) · Tienen (BE) · Bayreuth (DE) · Banbury (GB) · Malmö (SE) · Grenoble (FR) · Barcelona (ES) · Milan (IT)
Kraków (PL) · Mladá Boleslav (CZ) · Kyiv (UA) · Danville (US) · Shanghai (CN) · Dubai (AE) · Budapest (HU) · Mumbai (IN)
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