

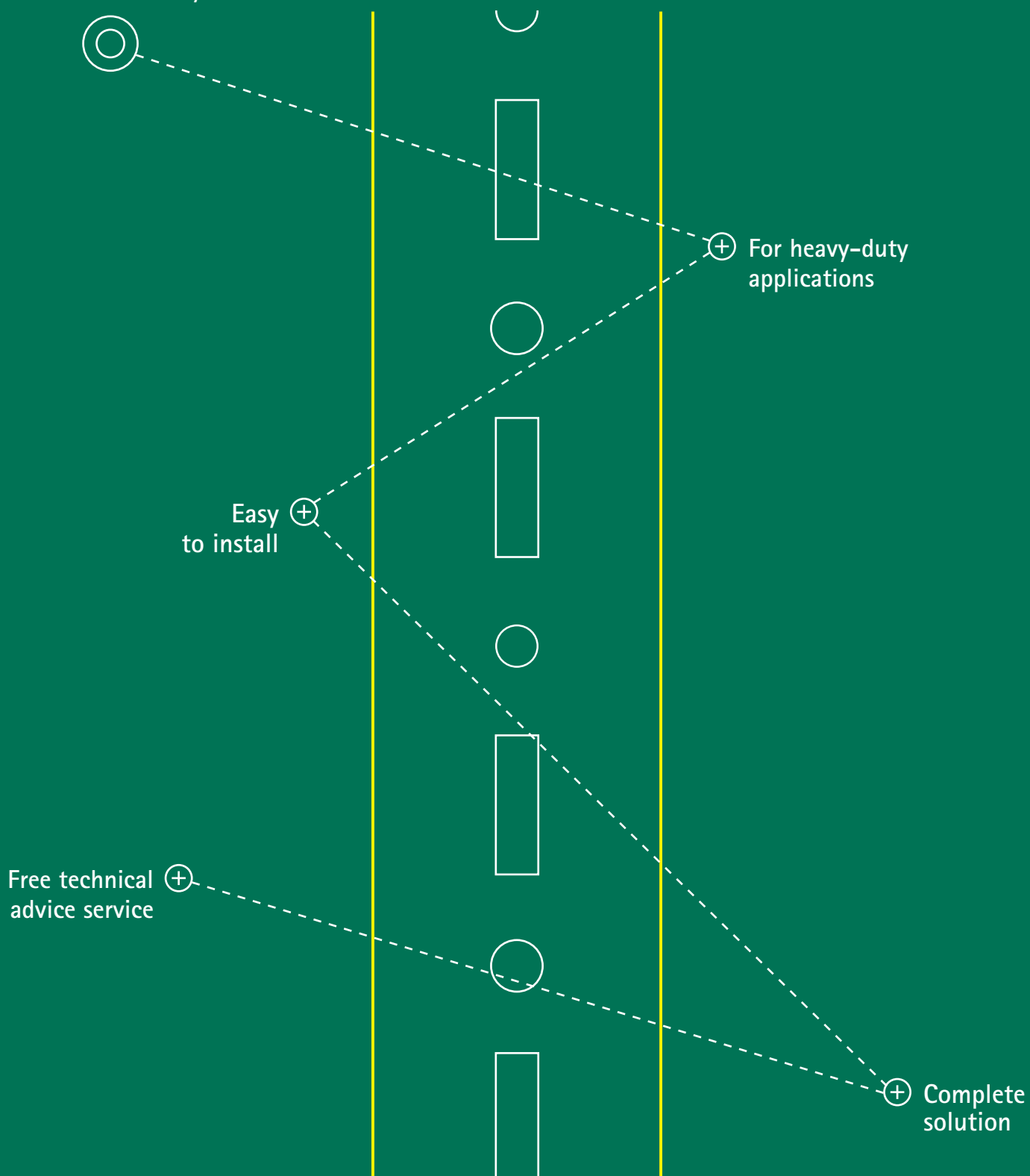
A modular support system



Walraven Maxx Heavy Rail System

Strong, efficient, versatile

Walraven Maxx system



Inspired by smart solutions from the start

Walraven is a globally active company in the installation industry, founded in 1942. We have always been dedicated to make the work of our customers easier and more effective. With simple and smart solutions, comprehensive services and excellent support.

Walraven. The value of smart

Modular support system

A safe, versatile, and corrosion resistant system designed for heavy-duty applications.

Making the job on-site safer and faster

Walraven's product designers have implemented a number of improvements to the original Walraven Maxx heavy rail system. As a result, the system is now even easier to use, with improved corrosion protection.

With a brand new Hammerfix connector and a number of design enhancements, the Walraven Maxx system offers fast and efficient construction. It is an excellent alternative to traditional welded

steel frames. The simple, modular format offers increased flexibility to construct a whole range of different support frames quickly and easily. The system can also be pre-assembled off-site.

In building services heavy modular systems are used for plant rooms, pipe bridges, multi-service tunnels and more. They are so flexible and adaptable in their construction that they are becoming a popular choice for contractors looking to make efficient installations.

System components

Walraven Maxx Heavy Rail Profile (HDG)



- Closed square profile
- Designed for heavy loads
- High resistance to torsion
- Cut-to-length service on request (please contact our Technical Support)

Part No.	L (m)	B (mm)	H (mm)	Type
65019618	6	80	80	MX80
65019620	6	100	100	MX100

Walraven Maxx U-Shape Bracket (HDG)



- U-shaped for extra stability and to prevent twisting
- To distribute tightening force when using Walraven Maxx Bolt Set

Part No.	L (mm)	B (mm)	H (mm)	Type
6589108	94	80	26	UB80
6589112	118	80	28	UB100

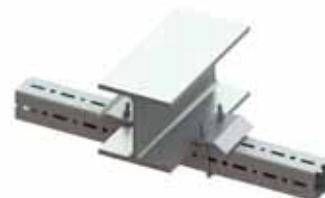
Walraven Maxx Baseplate (HDG)



- U-saddle welded on massive baseplate
- Slots are compatible with mounting profiles
- For connecting Walraven Maxx profiles to wall, floor and ceiling
- CO₂ welded

Part No.	L (mm)	B (mm)	H (mm)	Type
6581818	185	185	210	BP80
6581820	220	220	210	BP100

Walraven Maxx Beam Clamp (HDG)



- For a solid fixing to steel construction
- Always use 2 beam clamps per fixing

Part No.	L (mm)	B (mm)	H (mm)	Type
6589109	107	135	162	BC80
6589110	117	173	190	BC100/120

Use Walraven Maxx for all industrial and heavy-duty installations:

- Easy construction enabled by Walraven Maxx Hammerfix
- Modular system, no welding or drilling on-site is required
- Custom length and prefabrication option available on request
- Free advice service, ranging from design, engineering to on-site consultation

Walraven Maxx T-Connector (HDG)



- For T-connections and hinged connections
- Can be used to strengthen Walraven Maxx constructions with a joint connection
- Advised to always use on both sides

Part No.	B (mm)	H (mm)	Type
6589119	175	270	TC80
6589911	175	290	TC100

Walraven Maxx Profile Connector 90° (HDG)



- 2 or 3 hole connector for Walraven Maxx profiles
- Made from L-steel to enhance stability

Part No.	L (mm)	B (mm)	H (mm)	Type
6681018	200	80	100	AC80
6681010	100	80	100	AC80
6681020	200	100	100	AC100

Walraven Maxx Cross Connector (HDG)



- Cross connector for Walraven Maxx profiles
- Can be used to connect Walraven Maxx profiles to wall or ceiling

Part No.	L (mm)	B (mm)	H (mm)	Type
6589118	275	75	84	CC80
6589111	275	95	105	CC100

Walraven Maxx Linear Connector (HDG)



- For linear connections of Walraven Maxx profiles
- 6589318 is a one-piece connector
- 6589300 is a two-piece connector

Part No.	L (mm)	B (mm)	H (mm)	Type
6589318	380	93	71	LC80
6589300	405	102	102	LC100/120

System components

Walraven Maxx Hammerfix (HDG)



- Pre-assembled and ready to use for a quick fixing by a push and 90° turn
- Retains assembly in place before final tightening

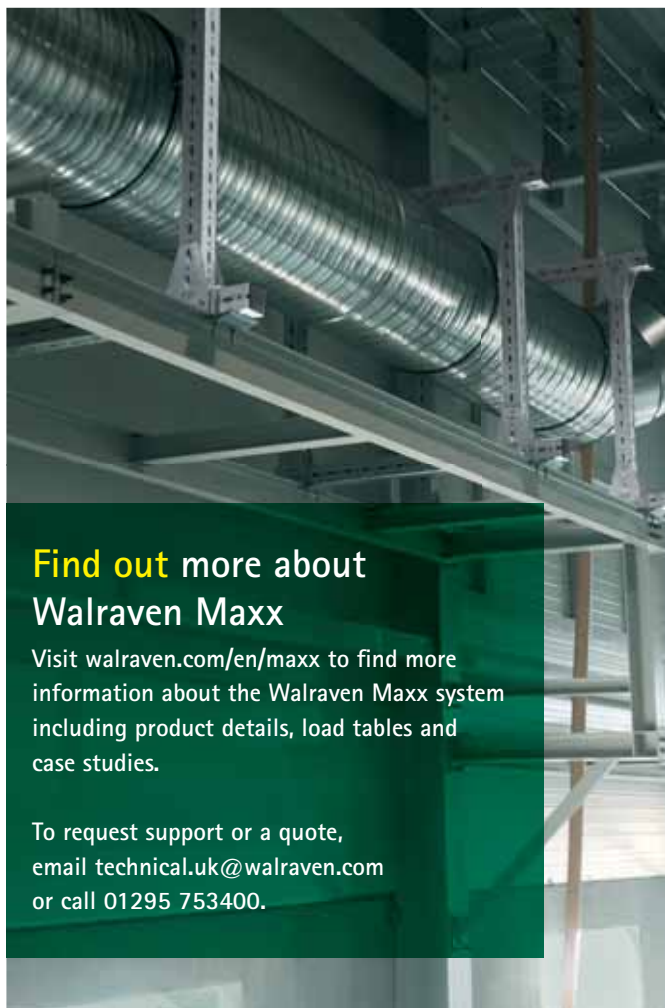
Part No.	L (mm)	B (mm)	H (mm)	G
65219214	35	40	53	M12

Walraven Maxx End Caps (PE)



- For clean finishing of the rail end
- Easy to fix securely

Part No.	Type
6566808	EC80
6566810	EC100



Find out more about Walraven Maxx

Visit walraven.com/en/maxx to find more information about the Walraven Maxx system including product details, load tables and case studies.

To request support or a quote, email technical.uk@walraven.com or call 01295 753400.

Walraven Maxx Bolt Set (ZFC)



- For fixing to Walraven Maxx Heavy Rail Profiles
- The set includes 25 bolts, nuts and washers

Part No.	L (mm)	G	Type
614581212	120	M12	MX80
614581213	140	M12	MX100
614581614	140	M16	MX100

Technical Advice Service

From the experts at Walraven

At Walraven, not only do we offer product systems that are designed to make your work easier, you can also access technical support throughout your project journey. We take pride in offering invaluable technical advice and after-sales support to our customers.

The Walraven Maxx system is no different. We can assist you with the design of a suitable support frame for your installation. Designs can range from really simple structures to more complex designs depending on your requirements.

For support with designs, strength calculations, consultation and more, get in touch today!

Working with BIM? We can provide BIM models and support for digital installation projects.



Case Studies

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.



High rise office block

Rooftop plant room pipe supports



Project introduction

The M&E contractor working on the Thames Tower high rise office block in Reading required advice about how to effectively support heavy pipework exiting a rooftop plant room.

The challenge

This was a rooftop installation which had several specific requirements including:

- The supports had to be suitable for outdoor use
- Thermal expansion of the pipework needed to be taken into account
- The supports could not penetrate the roof
- Space on the rooftop was limited so the solution had to be easy to install in a confined space

The solution

Our technical support team provided drawings and load calculations to recommend a combination of Walraven installation systems. This was followed up with a toolbox talk on-site.

The Walraven Maxx frame system is perfectly suited to supporting heavy pipework and is suitable for outdoor use. Used in combination with our expansion guides, the pipes would be effectively supported whilst allowing for thermal expansion. To provide a non-penetrative rooftop attachment, our Walraven Yeti® rooftop support feet were used.

Walraven Maxx installation examples



10 benefits of Walraven Maxx

1. Minimal installation time

Cleverly designed parts that simply bolt together, and the fact it can be supplied in kit-form or preassembled means that modular systems can be assembled faster and easier than traditional welded steel methods.

2. Cost-effective

As there is no on-site fabrication required such as welding or drilling, no machinery required to lift the structures into place, usually they can be assembled quicker and at lower cost than a welded steel system.

3. Adjustable

Easily adjustable on-site without the need for hot works. Walraven Maxx Hammerfix connectors simply push and twist into the connecting slots and can be used to hold the assembly in place and make adjustments before the final tightening.

4. Flexible construction with unlimited connection points

Secure and adjustable connections can be made to the rail section at any point and on any side of the box rail. And with 4 different sized rail profiles to choose from we can recommend the right one for your installation.

5. Inter-connectable

Connects with primary steelwork, for example using the Walraven Maxx Beam Clamp. Also connects easily with strut channel, rooftop support feet and more for an integrated support solution.

6. Safe and strong

Closed box profile ensures strength and high load capacity as well as high resistance to torsion.

7. Suitable for non-penetrative roof designs

Can be connected to rooftop support feet such as Walraven Yeti® to provide a non-penetrative rooftop support frame.

8. Improved H&S on site

With no requirement for hot works and the system being lighter and easier to handle than solid steels, there is less risk for injury and fewer H&S requirements on site. There can also be less material wastage.

9. Corrosion protection

All parts of the Walraven Maxx system are hot dip galvanised which offers superior corrosion resistance than Zinc coating. Therefore it offers good corrosion protection in outdoor environments.

10. Prefabrication options

Modular systems are perfect for offsite construction projects. They can easily be designed and assembled offsite, and delivered to site ready to install in place.

If you would like to request a product demonstration or an appointment with a Walraven representative to find out more about this system, or to request technical support, then please get in touch today!

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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