Maxx
Heavy frame modular support system
The Maxx heavy frame modular support system

A new modular steelwork support system for the construction of heavy-duty, load bearing frames which can be used for a wide range of applications.

Our Maxx system is compatible with our other installation systems. We can provide the system fully assembled or in parts allowing easy transportation to site. So we can offer a complete Walraven solution, no matter how big or small your project.

Maxx offers an alternative to welding and drilling structural steel systems to support very heavy services, saving you time and is also perfectly suited to indoor and outdoor applications. High quality components made from hot dipped galvanized steel.

As always with Walraven you can expect great service and should you need any further help our after sales support are always happy to help.

The components

Maxx Heavy Rail Profile

- Closed steel profile
- Offers support for fixings to pipe and devices
- With continued perforation on all sides
- Available in two sizes:
  - 100 x 100 x 3mm (6501 9 610)
  - 120 x 100 x 4mm (6501 9 612)

Maxx End Caps

- For clean finishing of rail end
- Easy to fix securely
  - Part No. 656 6 810 / 656 6 812

Maxx Wall Plates

- U-profile on wall plate
- For fixing rail to wall or floor
  - Part No. 658 1 800 / 658 1 801

Maxx Beam Clamp

- For a solid fixing to steel construction
- Always use 2 beam clamps per fixing
  - Part No. 658 9 100

Maxx 3D Coupler

- To aid fabrication with Heavy Rail Profiles
  - Part No. 658 9 900

For a quotation, design or technical advice call us on +44 (0) 1295 75 34 00
Maxx T-Connector

- Easy fitting due to rounded edges
- For angled connection
  Part No. 658 9 901

Maxx Profile Connector 90°

- For 90° angled connection Heavy Rail Profiles
- With slotted holes for easy fixing
  Part No. 668 1 015

Maxx Cross Connector

- To aid fabrication with Heavy Rail Profiles
  Part No. 658 9 101

Maxx Linear Connector

- Front connection with Heavy Rail Profile
  always use two pieces of linear connector per fixing
  Part No. 658 9 335

Maxx Hammerfix

- Pre-assembled and ready to use
- Available in two sizes:
  M12 x 40mm (652 19 204)
  M12 x 70mm (652 19 207)

Maxx Bolts and Nuts

Maxx Bolts
- M12 x 130mm (614 591 213)
- M12 x 160mm (614 591 216)
- M16 x 140mm (614 591 614)
- M16 x 160mm (614 591 616)

Maxx Nuts
- M12 (612 59 12)
- M16 (612 59 16)

A complete solution for all industrial and heavy duty applications

- Quick and easy to install
- Avoids the need for on-site fabrication or welding
- FREE technical advisory service, from engineering to on-site construction support

03/2016 - Subject to modifications
Data sheet

Maxx Heavy rail profiles and accessories

- Table of rail section properties
- Perforation pattern
- Use of rail load tables
- Rail load tables
The Maxx system consists of two rail profiles and an extensive range of accessories, including nuts, T-bolt assemblies and various rail connectors.

**Insert, lock, done**
T-bolts are assembled which makes them easy to install in perforation of the profile.

**Your benefits:**
- for all medium and heavy profile applications
- quick and easy fixing to the profile
- saves you fixing time

**A fitting profile for each application**
- two dimensions (100 x 100 mm | 100 x 120 mm)
- all Maxx profiles (length 6 mtr.)

**Maxx accessories**
Maxx offers accessories for:
- Pipe fixing
- Building connectivity
- Profile connection
Perforation pattern for fixing to ceiling or wall.
Distance between profile end and first hole is always equal.

Maxx IP 100, IP 120
Calculation method
The published safe working loads are based on tests with perforated (slotted) profile. For non perforated profile the safe working loads can be taken as 20 % higher.

Loads are calculated taking into consideration a maximum deflection (f) of length 1/200 x L and a maximum bending stress of 160 N/mm².

1 N (Newton) = 0,102 kg
1 kg = 9,8 N (Newton)

Fixing of profiles to walls or ceilings
The strength of the anchoring of the profile has not been taken into consideration. The installer must verify that the bolts and wall plugs used are suitable for the maximum permitted loading of the profile.

Reading the profile loading tables
The stated values are only valid for the fixing profile. The maximum safe load of all other construction parts have to be verified. The stated maximum safe load is calculated for a static load at free bending support.

Special conditions
In case of doubt or for special conditions not stated in the loading tables, please do not hesitate to contact our technical department for their advice.
### Table

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Max. allowed load in kN; per suspension point (F).

The stated values are only valid for the fixing profile.

The maximum safe load of all other construction parts have to be verified.
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Max. allowed load in kN, per suspension point (F).

The stated values are only valid for the cantilever arm.
The maximum safe load of all other construction parts have to be verified.
Hira Walraven is dedicated to provide customers in the Construction Sector with product systems and services of the highest quality, by forging a successful partnership with them, exceeding their expectations and gaining their trust through outstanding performance by every member of our team. Our aim is to become the “Partner of Choice” within the Building Supply Industry in the “IMEA” (India Middle East and Africa) region.