

EPSIRACK

HEAVY-DUTY SHELVING

STORAGE SOLUTIONS FOR PALLETS AND HEAVY LOADS





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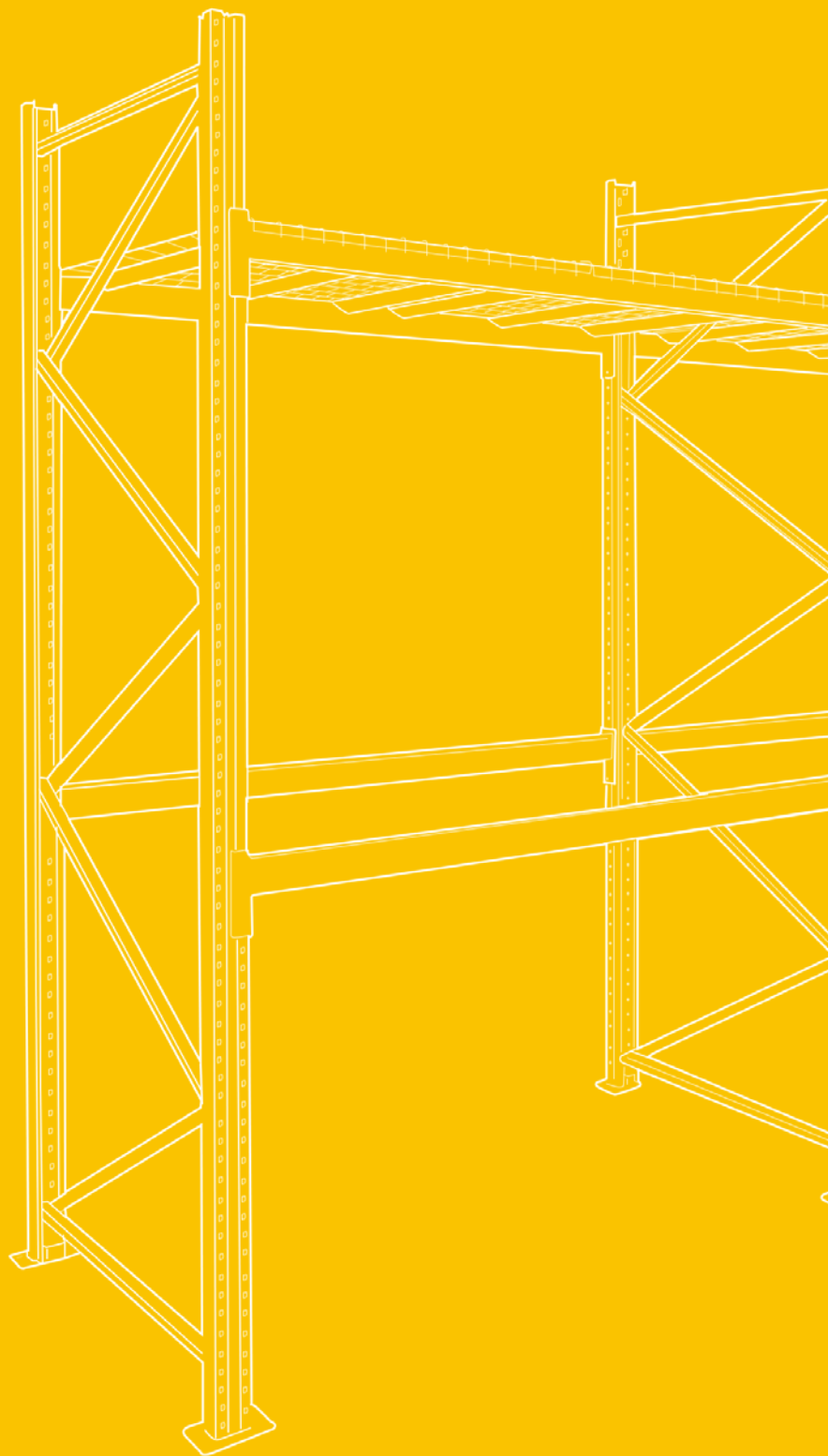


At ManOrga, we understand that your workspace optimisation requirements are both strict and specific to your line of work. That's why we've designed a comprehensive range of shelving suited to your specific activities and working environments, so your company can move onwards and upwards.

In this catalogue, you'll find everything you need for your heavy-duty storage. The EPSIRACK range was devised with ingenuity and innovation in mind.

The ManOrga team invites you to browse these custom shelving solutions, designed and manufactured with a real passion for industry.

Happy reading!
The ManOrga team.







EPSIRACK

"I'm very satisfied with the EPSIRACK pallet shelving units. Thanks to the wide range of possible combinations of frame heights and profile sections, we've been able to organise our stock properly, and any pallets that were blocking the way now have a spot on the newly installed racks."

For pallets holding electrical equipment, I was helpfully advised to maximise the useful space between storage levels.

Communication was of an excellent standard, my needs were listened to, and a detailed assessment was done of the layout, meaning the final outcome was ideal. The result? No more wasted space!

To ensure the safety of my premises and the people on them, I chose the recommended extras to give staff peace of mind while they work. What's more, the equipment is compliant with current standards and guidelines, and there are certificates to prove this."

THOMAS – Head of an SME

See details of EPSIRACK on **page 8**



EPSIRACK XL

NEW

"We've recently seen a rapid increase in business, with a lot of our sites requiring express delivery. We needed an easy-to-install, turnkey solution to allow us to store pallets of tiles, cement and plasterboard at height. It wasn't easy to find high-quality pallet shelving that could store three levels' worth of stock weighing three tonnes per level, and that was available at short notice. But we managed it: The shelving was delivered to us within a very short timeframe, before I'd even received all my merchandise."

OLIVIA – Manager of an industrial supplies agency

See details of EPSIRACK XL on **page 10**



EPSIRACK HYBRID

EXCLUSIVE

“At our organisation, flow management and timely order preparation are crucial. Time is often wasted looking for parts, or waiting for the forklift operator to bring the pallets to the other end of the warehouse etc.

The standard solutions we found on the market involved getting a small set of manual picking shelves as an add-on to the bottom part of the rack. This didn't seem very cost-effective to me.

I was delighted when I came across the Epsirack hybrid solution. It has a combination of picking levels and flat or slightly sloped levels built directly into the rack.

The pallets go at the top and the order preparation trays sit at handling height: It's ideal.

The layout lets me quickly see what stock we have available and anticipate replenishments.

No more stock shortages, significant time savings in flow management, and real efficiency in order preparation: Those are the results we've seen.”

MARIE – Head of e-commerce logistics

See details of EPSIRACK HYBRID on **page 12**

PICTOGRAM

LEGEND



Easy-assembly shelving for speedy setup



Suitable for loading with handling equipment



Level support included with the beams



Compliant with European standards



European production



EPSIRACK

This shelving is recommended for storing bulky or heavy loads, on pallets or otherwise (heavy parts, pallet boxes, raw materials, barrels, etc.). Stock can be handled manually or using a handling trolley.

EPSIRACK is used mainly in warehouses but is also suitable for storing items in shops.



PRESENTATION

Available for fast-track manufacture, this shelving lets you organise your product stock efficiently on pallets weighing up to 1000 kg each.

Its scalable structure means you can adapt it to your specific needs.

With an optimum configuration of two levels, EPSIRACK can be loaded with pallets weighing between 300 kg and 1000 kg. Provided the maximum load capacity is respected, it's entirely possible to increase the number of levels per bay.

A versatile and secure unit, EPSIRACK can be complemented with a range of additional equipment: Shelf covers, upright protector, fall-protection grating, mesh doors, and more.



NEW



EPSIRACK XL

Designed for high loads per level or per bay, EPSIRACK XL is well equipped to meet your needs thanks to its numerous pallet levels for elevated storage.

Its exclusive XL marking makes it easily recognisable and distinguishable from the classic EPSIRACK.

EPSIRACK XL is suitable for storing heavy pallets in logistics warehouses, shop storerooms, material stores and so on.



PRESENTATION

With its highly robust design, this shelving is an incredibly versatile storage solution.

Holding 3000 kg per level (3 x 1000 kg) on three levels of beams in its optimum configuration, EPSIRACK XL is more specifically tailored to elevated heights and the resulting volumes and loads.

It comes in frames of up to 8 metres in height and a broad range of sections and beam lengths, making it a scalable and optimisable option.

Its wide range of accessories lets you go about your warehouse work in complete safety and with maximum peace of mind.



MANORGA EXCLUSIVE

RACK & PICKING STORAGE SOLUTION



EPSIRACK HYBRID

Combine the convenience of picking shelving and the practicality of pallet shelving and you'll get the EPSIRACK hybrid.

Designed primarily for order preparation, it consists of medium-heavy-duty levels at the bottom, with flat trays or sloped trays for easier reach, and pallet levels for product storage at the top.

It's the perfect solution for processing areas in warehouses, logistics centres, shop storerooms, spare parts shops and so on.



PRÉSENTATION

The fruit of our research, this customised version combines all the advantages of our EPSIRACK range of pallet shelving with those of our exclusive EPSIVOL range of medium-heavy-duty beam shelving.

With EPSIRACK HYBRID, you can keep your stock within easy reach of the trolley at all times, allowing you to reload your picking shelves in no time.

The picking levels, designed for manual handling only, can be equipped with the same parts that were developed for our medium-heavy-duty EPSIVOL shelving, like dividers, shelves, sloped levels and so on; they're simply placed in the bottom part of the shelving for human reach.

As for the pallet levels located in the upper part of the shelving, they consist of EPSIRACK beams, enabling stock to be handled with a forklift truck.

And since safety is paramount, all the EPSIRACK protection accessories are also available for this range.

EPSIRACK COMPOSITION

STRUCTURE

Storage system consisting of:

- Frames
- Beams
- Optional shelves
- Optional protections

FRAMES

A

Robust EPSIRACK or EPSIRACK XL frames, allowing for two load and height varieties.

Assembly is the same across the entire EPSIRACK range.

XL version: "XL" marking up the post allows you to immediately identify the version.

BEAMS

B

An extensive range of beam sections so you can choose the right load per level for you.

A wide variety of beam lengths for an optimum shelving configuration.

Attachment at seven points to ensure maximum safety and rigidity (safety pins included).

FINISH

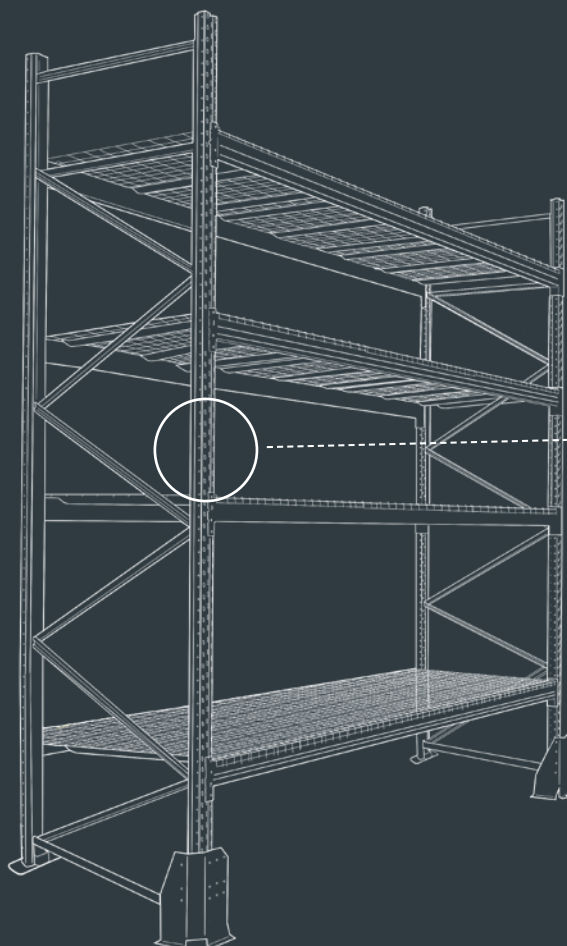
Frames:

- Galvanised finish

Beams:

- Epoxy paint
- Standard RAL 2004 orange colour, EPSIRACK HYBRID 7035 grey colour for EPSIVOL medium-heavy-duty beams

(Other RAL colours available, see page 22)



Uprights EPSIRACK XL



Exclusive marking «XL»

FRAMES

- Section profile measuring 80 x 70 mm
- Depths: 750, 900, 1100 mm
- Perforated every 50 mm
- Galvanised "C" profile measuring 30 x 25 mm to be bolted
- Galvanised sheet metal footplate measuring 160 x 112 x 4 mm with Ø14 mm perforations
- The frames must be secured to the floor to ensure safe use of the shelving

FRAMES

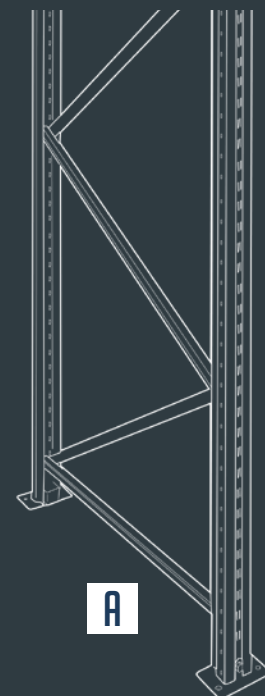
EPSIRACK

- Uprights in T175 profile
- Height of up to 6 m in multiples of 500 mm
- Between 6 t and 8.5 t per frame, depending on configuration and usage

FRAMES

EPSIRACK XL

- Uprights in T200 profile
- Exclusive XL marking
- Height of up to 8 m in multiples of 500 mm
- Capacities of between 8 t and 11.5 t depending on configuration



A

THE BEAMS

- Welded connecting parts at the beam ends with seven attachment points for hooking the beam in the perforations of the frame uprights
- Safety pins included to lock the beam in place and prevent accidental detachment

THE BEAMS

EPSIRACK

- Beam sections: 70 x 50 x 1.5 mm
90 x 50 x 1.5 mm
110 x 50 x 1.5 mm
130 x 50 x 1.5 mm
- Capacity of up to 1 ton per pallet (depending on configuration and type of beam)

THE BEAMS

EPSIRACK XL

- Beam sections: 70 x 50 x 1.5 mm
90 x 50 x 1.5 mm
110 x 50 x 1.5 mm
130 x 50 x 1.5 mm
150 x 50 x 1.5 mm
- Capacity of up to 1500 kg/pallet (depending on configuration and type of beam)

THE BEAMS

EPSIRACK HYBRID

- EPSIRACK hybrid combines in the same bay picking and pallet levels with beams EPSIRACK and beams semi-heavy EPSIVOL
- Semi-heavy beams EPSIVOL :
 - Step beams 65 x 36 mm (according to available lengths)
 - step beams 85 x 36 mm
 - «Z» beams
 - Can be equipped with :
 - Melaminated chipboard shelves
 - Metal shelves
 - Electro zinc wire shelves

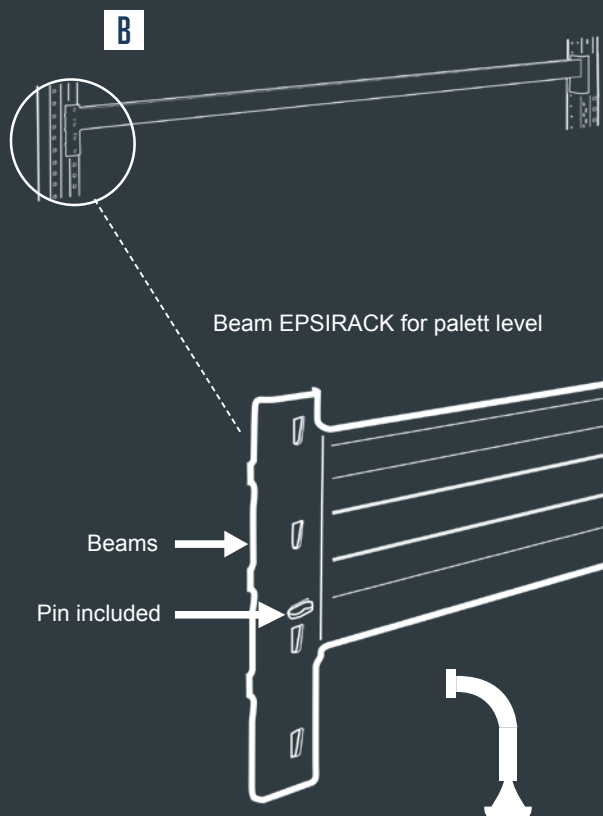
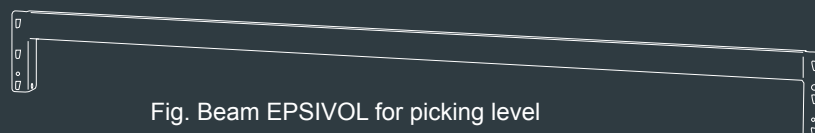
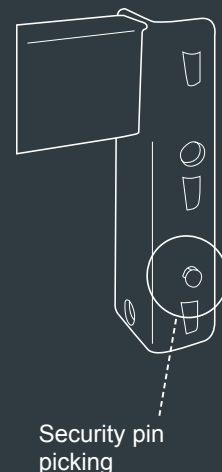
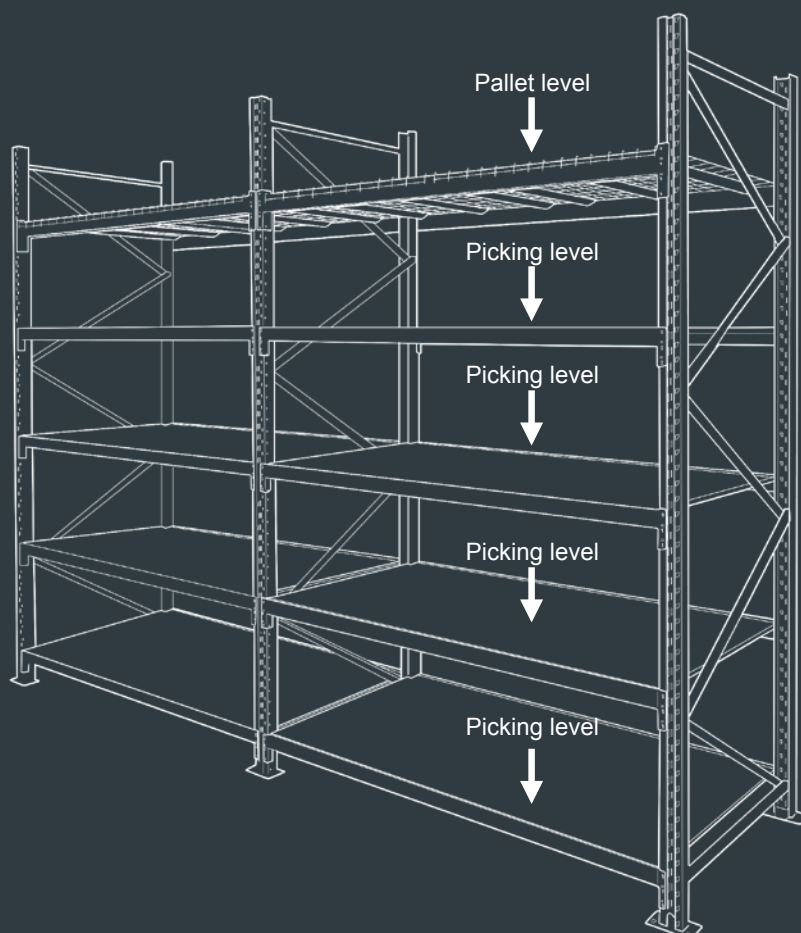
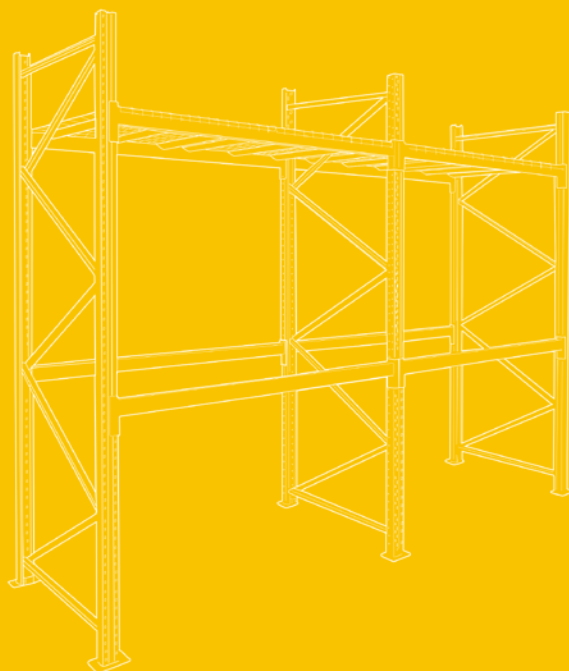


Fig. Pin included



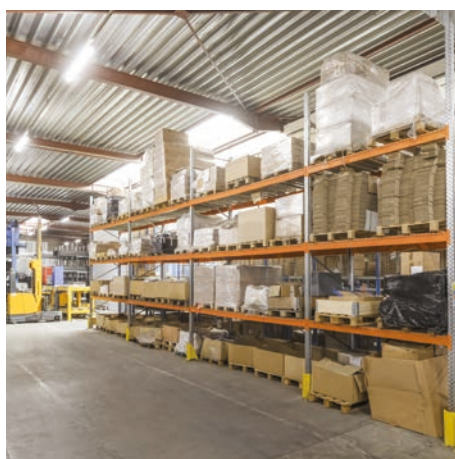
WHICH SHOULD I CHOOSE ?



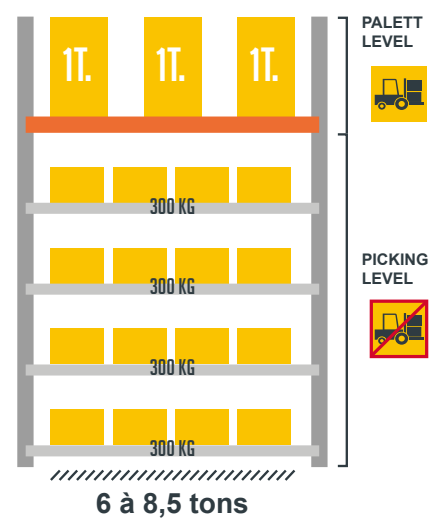
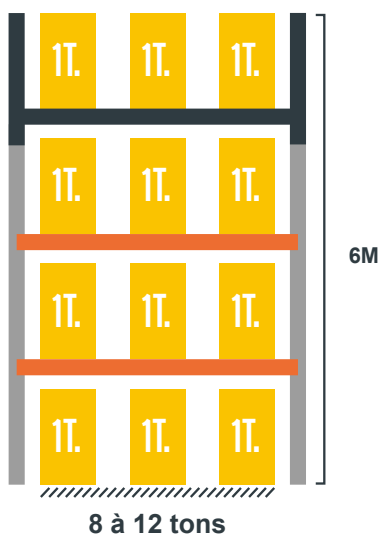
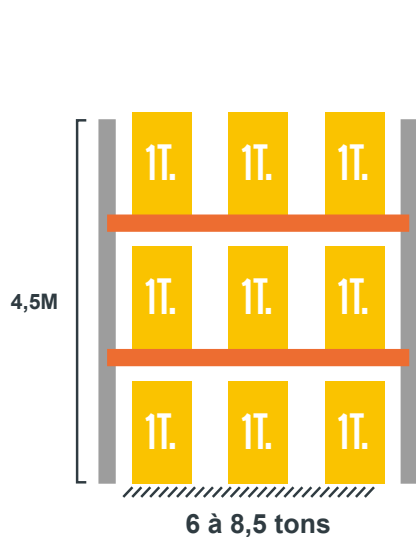
EPSIRACK



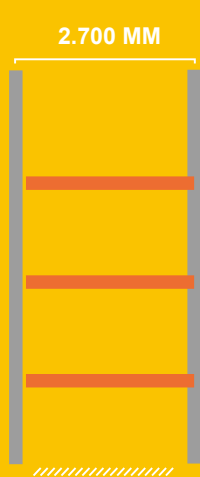
EPSIRACK XL



EPSIRACK HYBRID

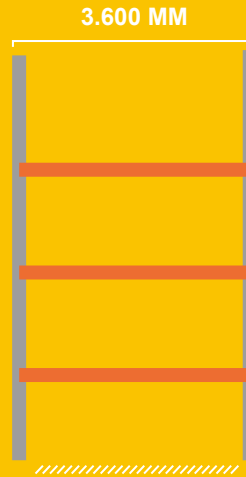


LOAD EXAMPLES



- 5 consecutive bays
- Lengths of 2700 mm in C110 beams
- Δ H 1600 mm

EPSIRACK	7.587 kg
EPSIRACK XL	9.805 kg



- 5 consecutive bays
- Lengths of 3600 mm in beams: C130 for EPSIRACK and C150 for EPSIRACK XL
- Δ H 1600 mm

EPSIRACK	7.629 kg
EPSIRACK XL	9.605 kg

CHOICE OF BEAM TYPE ACCORDING TO LOAD AND PALLET TYPE

	L. 1.825 mm 2 pallets 1200 x 800 mm per level	L. 2.225 mm 2 pallets 1200 x 1.000 mm per level	L. 2.700 mm 3 pallets 1.200 x 800 mm per level	L. 3.300 mm 3 pallets 1.200 x 1.000 mm per level	L. 3.600 mm 4 pallets 1.200 x 800 mm per level
300 kg/pallet	70 x 50 mm	70 x 50 mm	70 x 50 mm	90 x 50 mm	110 x 50 mm
400 kg/pallet	70 x 50 mm	70 x 50 mm	70 x 50 mm	90 x 50 mm	110 x 50 mm
500 kg/pallet	70 x 50 mm	70 x 50 mm	90 x 50 mm	110 x 50 mm	130 x 50 mm
600 kg/pallet	70 x 50 mm	70 x 50 mm	110 x 50 mm	110 x 50 mm	130 x 50 mm
700 kg/pallet	70 x 50 mm	70 x 50 mm	110 x 50 mm	110 x 50 mm	150 x 50 mm
800 kg/pallet	70 x 50 mm	90 x 50 mm	110 x 50 mm	130 x 50 mm	150 x 50 mm
900 kg/pallet	70 x 50 mm	90 x 50 mm	110 x 50 mm	130 x 50 mm	-
1000 kg/pallet	90 x 50 mm	90 x 50 mm	110 x 50 mm	150 x 50 mm	-
1100 kg/pallet	90 x 50 mm	110 x 50 mm	130 x 50 mm	150 x 50 mm	-
1200 kg/pallet	90 x 50 mm	110 x 50 mm	130 x 50 mm	150 x 50 mm	-
1300 kg/pallet	110 x 50 mm	110 x 50 mm	130 x 50 mm	150 x 50 mm	-
1400 kg/pallet	110 x 50 mm	110 x 50 mm	130 x 50 mm	-	-
1500 kg/pallet	110 x 50 mm	110 x 50 mm	150 x 50 mm	-	-

■ Only for EPSIRACK XL

With T175 or T200 upright (EPSIRACK XL) and ΔH = 1500 mm unless specified otherwise.

The loads that are referred to are maximum, uniformly distributed loads. The total load per bay will need to be calculated.

OPTIONS

AND CUSTOM FEATURES

Depending on uses and requirements, EPSIRACK shelving ranges can be complemented with a variety of accessories, so you can adapt safety measures to your operators' needs while ensuring maximum ease of use.







UPRIGHT PROTECTOR

- Protective feet are used to prevent the frames from deforming in the event of a frontal impact.



SIDE PROTECTOR

- Side protectors prevent EPSIRACK frames from deforming in the event of impact.
- Ideal for ensuring the safety of operators.
- Recommended when handling equipment is used.



SAFETY RAILS

- These rails keep people safe by forming a boundary between pedestrian walkways and thoroughfares for handling equipment.



SHELVES

- Load capacity: available in 500 or 800 kg versions.
- Practical and quick to install, the panel is laid directly on the rack.
- Wire mesh panels measuring 50 x 100 mm with a wire diameter of 4 or 5 (depending on the version); laid directly on the rectangular beam
- Electro-zinc finish



CUSTOM-MADE MESH SHELVES

- Compliant with safety standards and sprinkler requirements, while ensuring your warehouses remain well-lit.
- 50 x 50 mm wire mesh welded to a tubular frame.
- Epoxy paint finish in RAL 7035 grey.



The expert's opinion:
*These protections are essential for
 ensuring the safety of staff and
 equipment!*

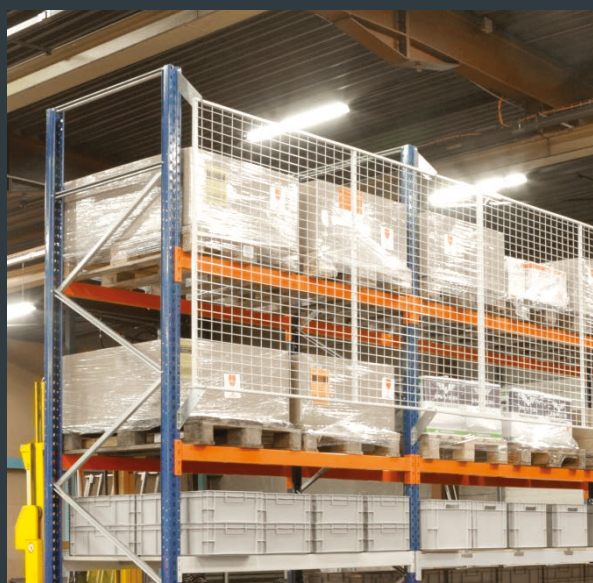


REAR PALLET STOP

- The rear safety stop is designed to prevent accidental collisions with objects located at the back of the Epsirack bay (pallet, wall shelving, fall-protection grating, etc.)

ANTI-COLLAPSE SYSTEM

- Designed to provide effective protection for operators working in the aisles and your merchandise.
- Ideal if you're handling your pallets on the shelving units.
- 50 x 70 mm wire mesh welded to a tubular frame.
- The frames are attached to the rear corners or the sides of the shelving.



MESH DOOR

- Practical protective equipment for effectively delimiting and shielding the bay interiors.
- Double swing doors with a height of 1100 or 1600mm to be adapted to beams of 2700 mm in length
- Lockable by padlock (not supplied)



TAILOR-MADE

The solutions featured in this catalogue represent a small selection of products. From its design office, ManOrga can come up with the specific configuration that meets operators' needs.

As we are well aware, special cases are becoming more and more frequent! Product managers, the R&D department and the design office work together to produce one-of-a-kind creations that stand out from the rest. Aside from technical and dimensional constraints, the only limit is the imagination of each individual who contributes to the project.

SECURITY AND CONVENIENCE

ManOrga installations are calculated and designed in accordance with the EUROCODE III standard and the FEM 10.2.02 recommendations.

EPSIRACK and EPSIRACK XL are certified as complying with the EN15512, EN15635, EN15620, EN15629 and EN15878 standards, guaranteeing their complete safety and excellent quality.

The tests and calculation methods are certified by the NORISKO/DEKRA inspection agencies. Standards and guidelines enable us to validate our manufacturing processes according to established design and strength criteria.

PRODUCTION

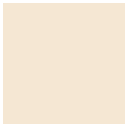
Robustness, safety and aesthetics: the three key focuses of ManOrga's commitment to product quality.

DELIVERY

ManOrga offers an efficient delivery service as part of its global commitment. Our teams strive daily to deliver to you within a timeframe that suits your needs.

COLOUR IDENTITY

The ManOrga colour chart lets you see which RAL colours are available for the EPSIRACK shelving range.

			
RAL 1013	RAL 1028	RAL 7024	RAL 3000
			
RAL 5010	RAL 5015	RAL 5018	RAL 6011
			
RAL 7035	RAL 9005	RAL 9006	RAL 9010
	STANDARD BEAM COLOUR		
RAL 2004			
	STANDARD FRAME FINISH		
GALVANISED			



DEKRA Industrial SAS
AGENCE NORD PAS DE CALAIS
Parc Teimat - Bâtiment B
78 rue Gustave Delory
59810 LESQUIN

CERTIFICATE

Concerning the

Standard shel "EPSIRACK"

DEKRA INDUSTRIAL attests that company

MANORGA INDUSTRIE
58 rue de Toufflers
F-59452 LYS LEZ LANNOY

carried out static calculations of shelf "EPSIRACK" according to European rules NF EN 15512 and carried out the tests according to the NF EN 15512 – edition June 2009.

We checked the conformity of the testing apparatuses compared to those envisaged by the NF EN 15512 and we controlled the results got thus that static calculations concerning shelf "EPSIRACK".

The manufacturing of shelf "EPSIRACK", in accordance with the above mentioned reference frame (NF EN 15512) and with the specifications of the product consigned to appendices PVRE03-12, is probable.

The conclusions of the investigations of DEKRA INDUSTRIAL are detailed in our opinion of August 19th, 2016 referred **51849269/3**.

The present certificate remains valid for as much :

- that the above mentioned reference frame remains unchanged
- that no modification is made to the product compared to the dossier submitted to the appreciation of DEKRA INDUSTRIAL referred in our opinion of August 19th, 2016 referred **51849269/3**

Lille, on August 19th, 2016

Ibrahima Kindi DIALLO
Ingénieur Structure

Référence : 51849269 / 3
Affaire : Mission STOK006 Assistance technique aux fabricants : Avis sur conception, essais, fabrication
05-05 DivBordEmva Dot

4/5

