

SPACE MAKER

STEEL RACKING SYSTEMS COMPANY PROFILE



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ABOUT US

EONMETALL is Malaysia's leading designer, manufacturer and installer with extensive experience in metalwork, industrial machinery & equipment, flat steel products and steel storage system.

As the industry spearhead providing a comprehensive range of high quality storage solutions and intralogistics, EONMETALL is the specialist in design, build, supply and solving materials handling challenges for industrial and commercial sectors.

Anchored in Malaysia but soar beyond boundaries over 20 years of excellence and operations, we have served and supported customers of different needs and grown to become Malaysia's largest storage equipment company. We dedicate ourselves in meeting commitments and exceeding expectations, develops solutions of ISO2001: 2015 standard that maximise productivity, and provides seamless integration of products and systems.

EONMETALL values product development and innovation. We prioritise quality improvements through state-of-art technologies to make storage easy for businesses large and small across every industry offering one-stop solution in achieving the best in space utilisation.

EONMETALL is widely available throughout South East Asia, Middle East, South Asia, Europe and North America with its best practice and cost effective products and management systems complemented by uncompromised services helping our customers in realising space and profit optimisation.

At EONMETALL, "Be the change", we promise.





MISSION

We help you grow effectively

We focus ourselves in delivering the best racking systems based on individual needs. Our goal is to satisfy every unique requirement without fail. We live by the principles of meeting highest quality and best value, and we know the urgency of providing the right solution for different business. We are fully engaged in ensuring we understand and meet every request professionally via our expertise in delivering consultation, space and storage planning, as well as effective maintenance and support globally.

VISION

We are the No. 1 & preferred racking and shelving system solution provider

We aim to make stock-keeping and warehousing effective through innovative racking and shelving system. We seek to become world major racking and shelving manufacturer and solution providers with the highest standards in quality, service, value. We focus on becoming the preferred brand in racking and shelving system by providing services and solutions that exceed customers' expectations.

QUALITY ASSURANCE & ACCREDITATION

International Quality World Class Confidence

EONMETALL puts customer satisfaction as one of our highest priorities. Our core values have guided us through the years of unparalleled product quality and customer support.

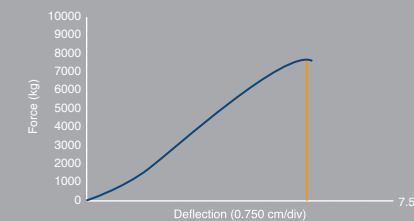
We believe in people and value all contributing efforts to the achievements of EONMETALL. Our operations are done in accordance to the strict demand of standards while adhering to the principles of human-centred management at the same time.

Being one of the most competitive leaders in the industry, our team has undivided commitment towards one common goal – always compliant with the highest standards.

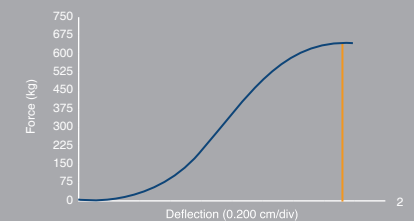
Our successful global market expansion is the proof of supreme quality. Throughout years of dedication, we have obtained the ISO9001:2015 certification that signifies our commitment towards producing products of highest quality. We have obtained Australian standard equivalent and listed amongst the world's major racking system provider. At EonMetall, we only settle for the best.



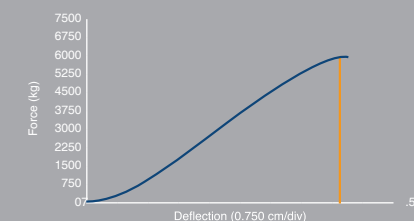
SIRIM QAS COMPRESSION TEST



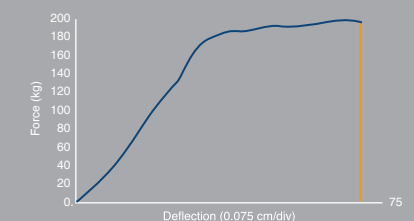
Product Name : Heavy Duty Pallet Racking (UR90 + B120)
Dimension : H1800 x W900 x L2700 mm
Report No. : J20121270318
Peak Force : 7628 kg
Deformation at Peak : 53.1 mm



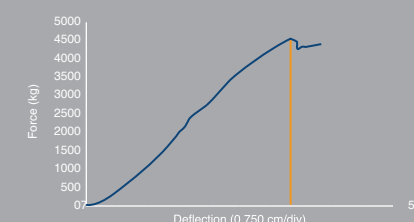
Product Name : Boltless Rack 1.5 mm
Dimension : H60 x D20 x L40
Report No. : J20121270318
Peak Force : 648.6 kg
Deformation at Peak : 17.2 mm



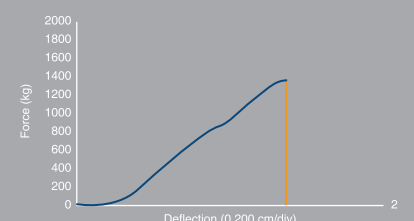
Product Name : Heavy Duty Pallet Racking (UR90 + B100)
Dimension : H1800 x W900 x L2700
Report No. : J20121270318
Peak Force : 6041 kg
Deformation at Peak : 63.0 mm



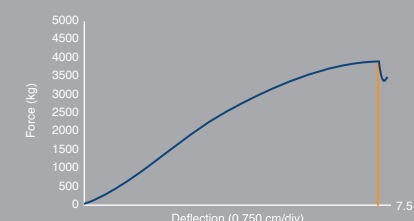
Product Name : Colour Rack
Dimension : H1840 x D350 x L900 mm
Report No. : J20121270318
Peak Force : 199.0 kg
Deformation at Peak : 6.9 mm



Product Name : Heavy Duty Pallet Racking (UR90 + B90)
Dimension : H1800 x W900 x L2700 mm
Report No. : J20121270167
Peak Force : 4531.0 kg
Deformation at Peak : 49.7 mm



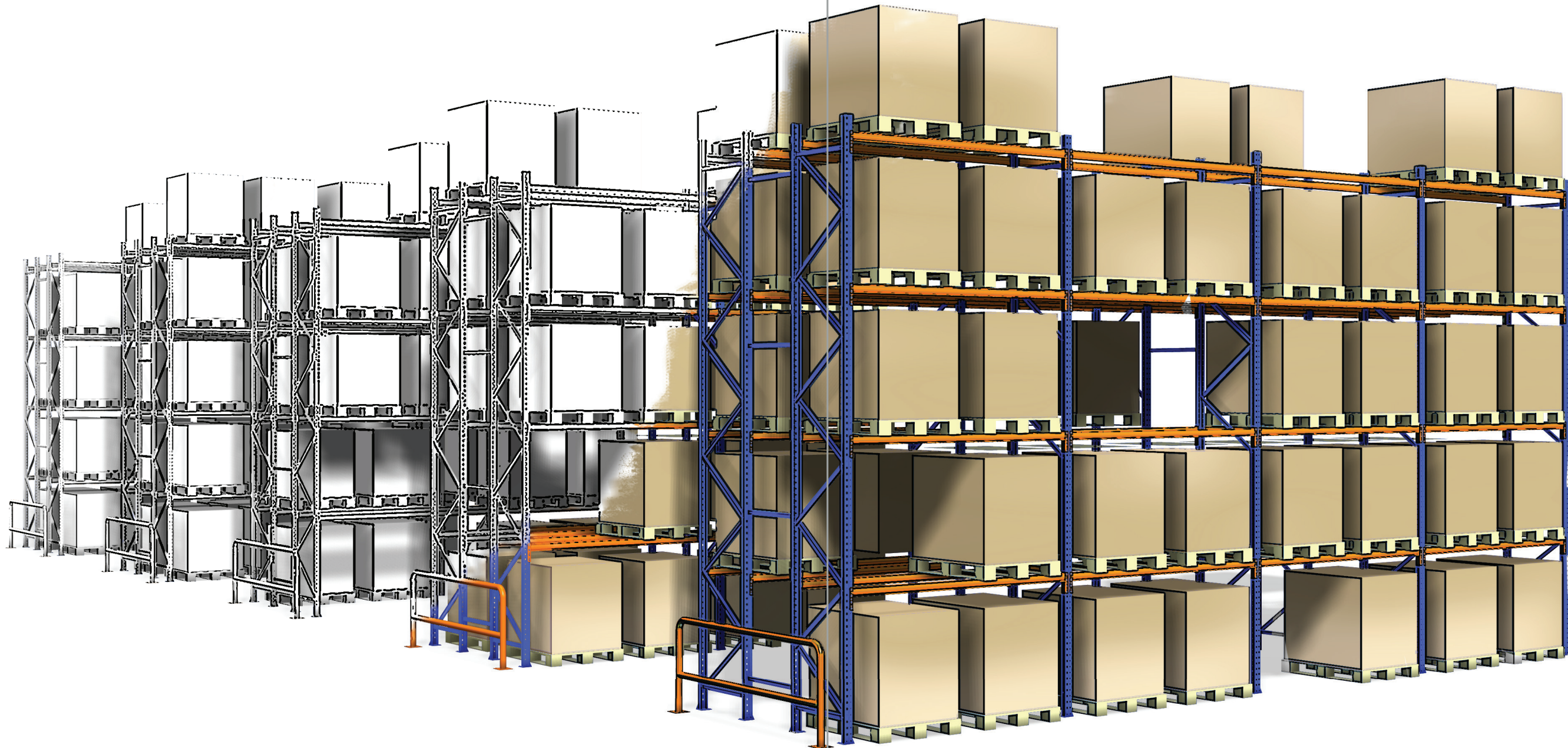
Product Name : Boltless Rack 2.0 mm
Dimension : H60 x D20 x L40
Report No. : J20121270318
Peak Force : 1383 kg
Deformation at Peak : 13.9 mm



Product Name : Heavy Duty Pallet Racking (UR70 + B80)
Dimension : H1800 x W900 x L2460 mm
Report No. : J20121270318
Peak Force : 3939 kg
Deformation at Peak : 72.4 mm

Heavy duty large bay racking system made specially for customers who prioritise cost effectiveness. This modular and standalone racking system requires no bolting to walls and is fully flexible to adjust according to different space without any welding. It is well-known for its ability in maximizing the usage space with a rather small cost.

Popular with its easy assemble and dismantle structure and space saving structure, the cost-effective high capacity superblock comes in different flooring such as metal, steel or wood to suit customers' needs and preferences. The racking system is an alternative solution for I-beam or H-beam to fully utilise warehouse space. In other words, it saves cost and is more flexible at the same time.



SELECTIVE RACKING SYSTEM

Requirement
Ready access with all small letter complex orders with mix of SKUs. Basic and low in cost.

Solutions
Selective pallet racking is very cost-efficient, offering you high capacity with easy access, storage up to 11.5m in height and fully utilizing valuable airspace. Simple to install and customise, being infinitely adjustable.

In high seismic zones, the project solution is tailor-made to the region to provide customers with added assurance and safety."

Mechanical handling equipment
Standard forklift, counter balance truck.

Operation Statistics	
Average locations used	95%
Accessibility	100%
Stock Rotation	Good
Floor utilization	30%



VERY NARROW AISLE RACKING SYSTEM

Requirements

Premium space and many SKUs, Your orders are complex and varied, and you need high-density storage. Though turn-around times aren't critical, you need quick access to everything

Solutions

Maximise your floor area and roof height, maintains the essential 100% accessibility and outstanding goods protection feature to ensure quick picking rate and flawless stock.

Commonly used with pick up and despatch (P&D) stations at end of each aisle.

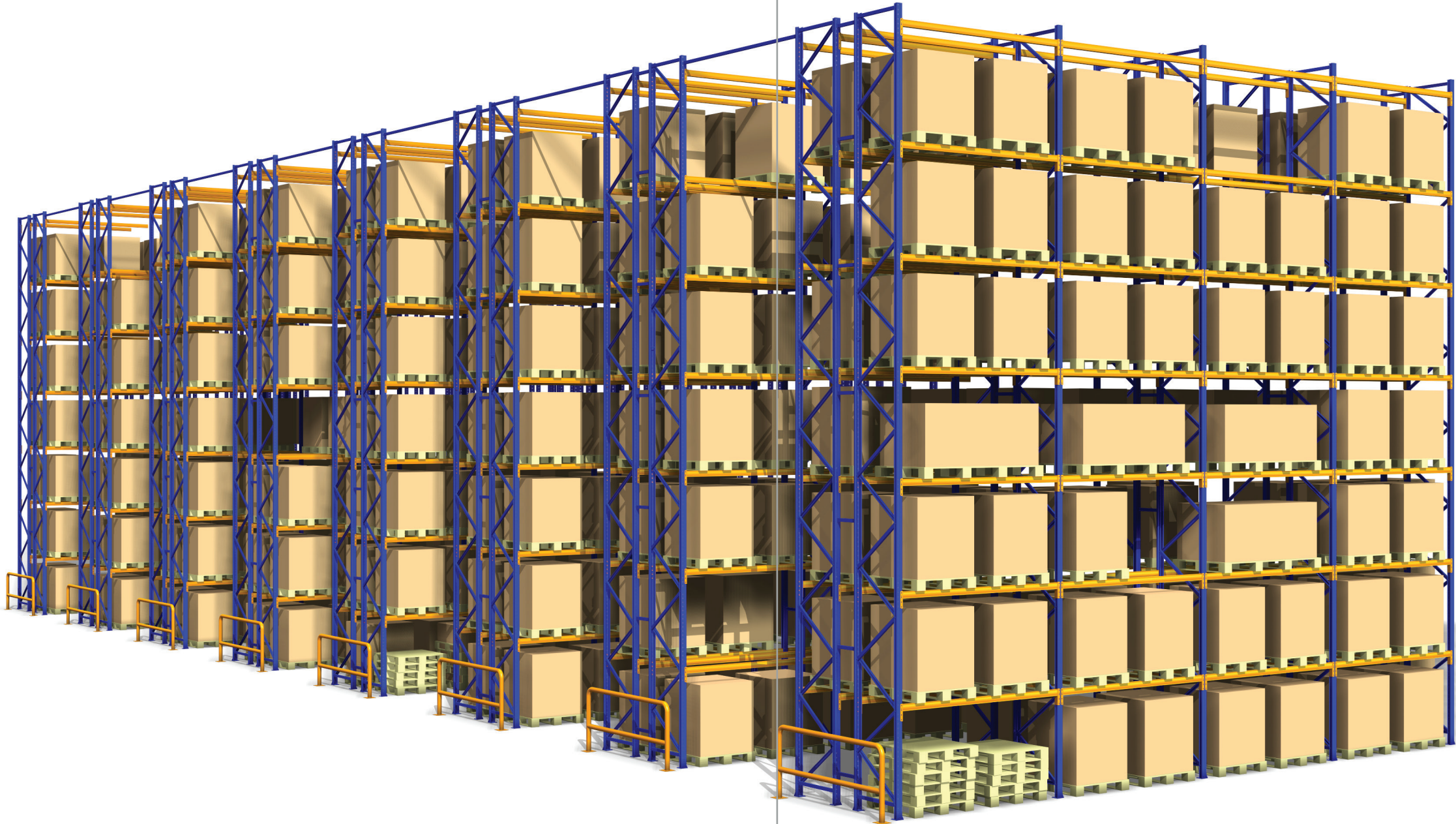
Mechanical handling equipment

Standard forklift, counterbalance truck.

Operates within guiderails, standard or low profile, or using a wire induction guidance system which operates to a maximum height of 15m

Operation Statistics

Average locations used	95%
Accessibility	100%
Stock Rotation	Good
Floor utilization	50%



DOUBLE DEEP RACKING SYSTEM

Requirements

Only a few SKU, but distributed in high volumes. Typically, the same SKUs are in groups of pallets before dispatch.

Solutions

Capable to store two pallets deep in a single entry rack or four pallets deep in a double entry rack. Dispatch in big, single-SKU orders. Double-entry aisle allows access by dual pantograph or sliding fork.

Mechanical handling equipment

Specialist machine with either pantograph or telescopic forks, or using a purpose designed attachment, which can be fitted to standard reach trucks.

Recommend the use of

- I. Pallet rails or pallet support bars above 4m, to increase MH productivity and improve safety of the operation.
- II. Column protectors when using MH equipment that requires the straddle leg to go below bottom beam or between pallets and upright

Operation Statistics

Average locations used	88%
Accessibility	50%
Stock Rotation	Average
Floor utilization	40%



DRIVE IN & DRIVE THROUGH RACKING SYSTEM

Requirements

Only a few SKU, but distributed in high volumes. Space efficiency and low cost are critical, First in, first out isn't important.

Solutions

This system's designed for high-volume, easy-access storage. Unique self-centering rails position pallets quickly, easily and safely.

Drive- in racking operates on the basis First-In Last-Out (FILO).
Drive in racking: picking and replenishment are carried out from one side.
Drive through: both sides of the racking are used

Mechanical handling equipment

counter balance/ reach truck

Operation Statistics

Average locations used	75%
Accessibility	Up to 100%
Stock Rotation	Average
Floor utilization	60%



SUPERBLOCK STORAGE MEZZANINES

Requirements

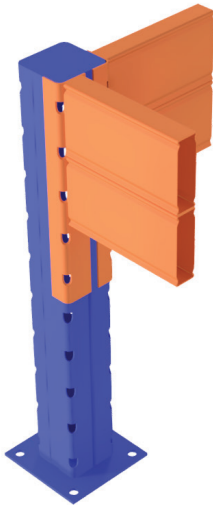
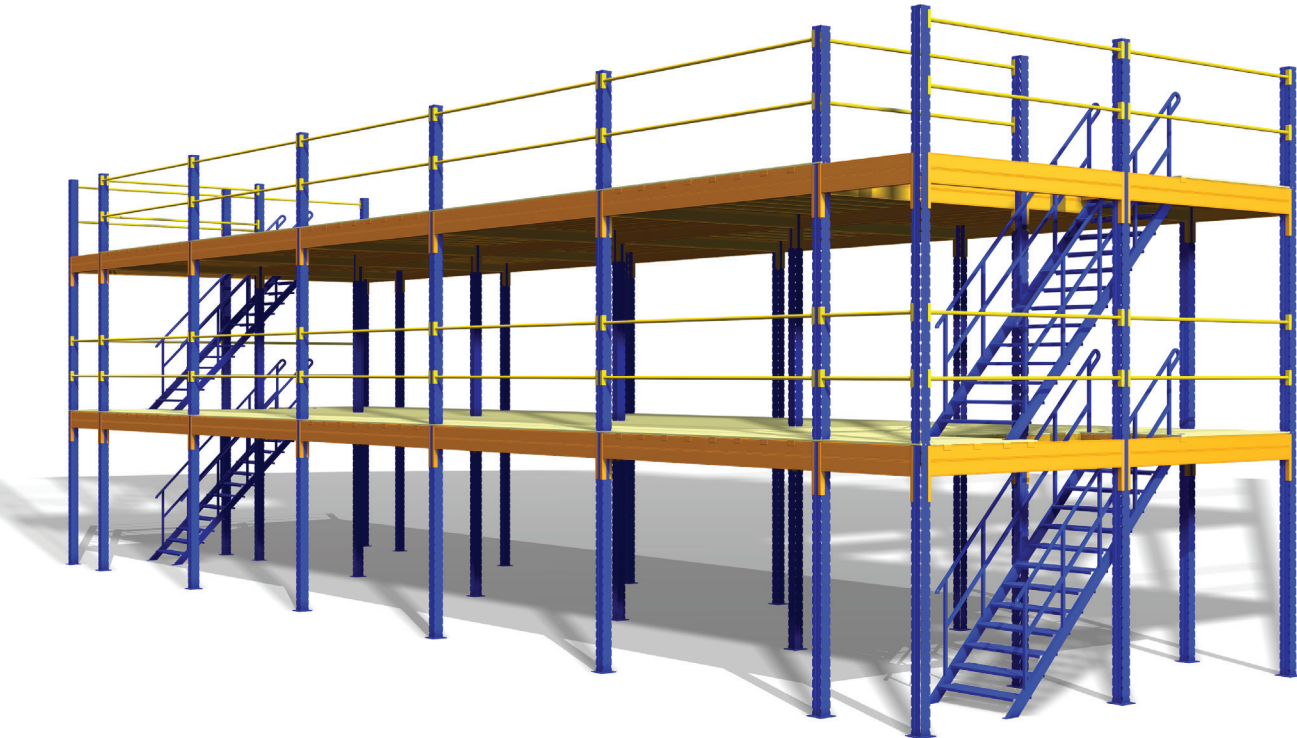
Additional floor levels for storage/office use with limited warehouse area.

Solutions

Superblock can be design up to 6meter in height, 6meter in span width and depth. The increase of storage space does not create blocking at the ground level. Cost-effective and space maximization

Operation Statistics

Loading	250kg/m2, 300kg/m2, 500kg/m2
Max Span	Up to 6meter
Max Width	Up to 6meter
Max Height	Up to 6meter
No of Level	Up to G+2 level
Flooring Type	Plywood, mesh grating, plank steel deck
Accessories	Loading gate, fencing , handrail



RACK SUPPORT MEZZANINES

Using standard pallet racking component multi-tier mezzanines provide high-density hand-load storage and utilizing the full height of the warehouse. The mezzanine is supported directly from the pallet racking using steel joist. Structural steel staircases provide safe access to upper levels, which are protected by hand and knee rails and kickboards around all open sides of the mezzanine. Goods hoist or pallet-loading gates can be incorporate to facilitate movement of stock in and out of the multi-tier.

Requirements

Typical primary need is a hand-loaded storage, where slow moving stock is stored on upper levels leaving the ground floor for fast moving stock items.

Solutions

Utilising your existing racking support structure, create tiered platforms to facilitate picking access at multiple levels. The platforms are constructed from either mesh grated steel or ply flooring. It can also incorporate conveyors for efficient material flow.

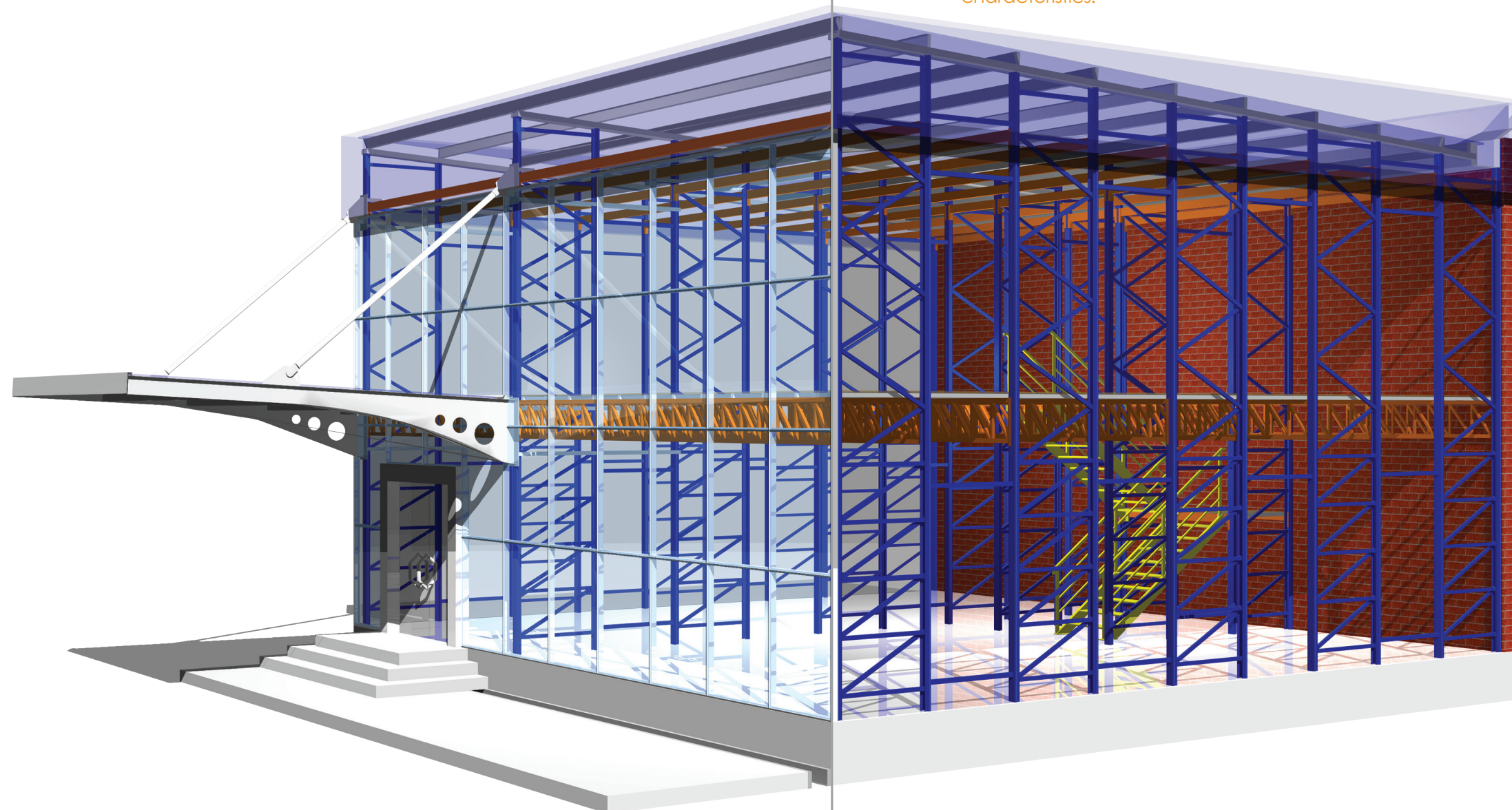


RACK SUPPORTED BUILDING

Eonmetall's research and development team appreciates and fully explored the durability, strength and economic values of steel structures. Years of research, development and constant refinement have enabled Eonmetall offering the construction of steel building. This is particularly helpful for companies that look for building flexibility in this rapidly changing market. Gone are the days of many waiting months for a new manufacturing facility to be set up. The speed of setting up the steel building manufacturing facility is poised to be the reliable, fast and economical building of tomorrow, helping companies saving up to millions of dollars from poor logistics and staying ahead of the competitors.

Advantages of steel building:

- Steel offers much better compression and tension than concrete thus enabling lighter construction.
- Steel is available in a form that permits efficient and uniform application.
- Steel is a better stress-absorber and is less prone to cracks or breakage. In case of an earth quake, it is exposed to much less risks than concrete. The connections within a steel frame structure are less susceptible to pull out or fail, and will not weaken over time that would often come from material shrinkage or the deterioration in strength of the base material over time.
- Steel has sufficient bond strength and durability properties to prevent either dislodgment or surface damage during normal construction operations.
- Steel is non-combustible and will not produce smoke or toxic gases when subjected to elevated temperatures.
- The thermal-protection capability of steel ensures consistent and uniform protection characteristics.



CANTILEVER

Requirements

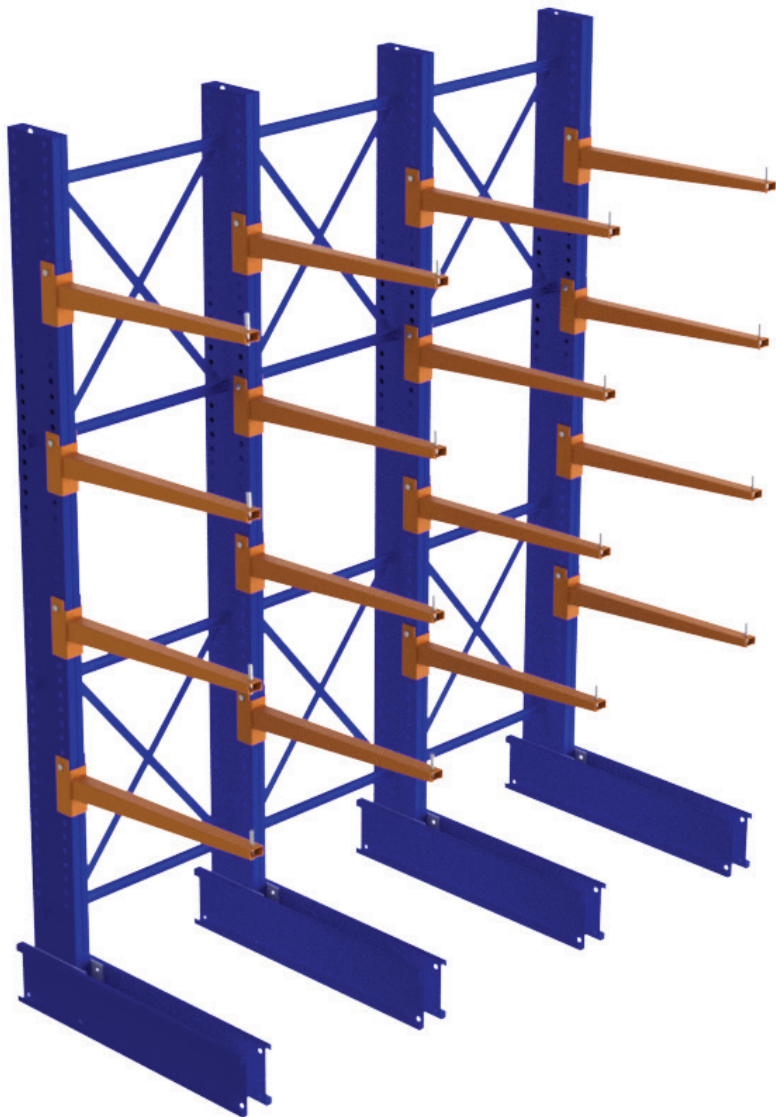
Long product storage, can be light to heavy duty items which needed fast access to products.

Solution

Cantilever is wide-open access at the front of the rack, especially ideal for long and bulky items. It's great for extra-long things that can't be palletised such as pipes, tubing, timber and furniture. Galvanised option is available for outdoors.

Operation Statistics

Column height	Up to 6000mm
Arms	600, 900, 1000, 1200mm
Sides	Single/ Double



MEDIUM DUTY LONGSPAN SHELVING SYSTEM

Requirements

Shelving solution for keeping boxes, parts or anything that is somewhat heavy in squeezey area, flexibility to handle various types of product.

Solution

Longspan shelving has been most popular hand-loaded solutions, require lesser frame yet maximize your storage areas. Eonmetall consist of an extensive range of accessories of long span shelving either steel decking panels, timber planks or plywood panels or can be customised to suit your specific needs.

Operation Statistics

Shelving bay height	900, 1200, 1500, 1800, 2000, 2200, 2500, 3000mm
Shelving width	900, 1200, 1500, 1800, 2100, 2400mm
Shelving depth	400, 450, 500, 600, 760, 900, 1200mm
Shelf capacity	Up to 1500kgs UDL
Shelving bay capacity	Up to 5000kg UDL
Accessories	Hanging rails, mesh or steel shelf, dividers, support bars and etc.



BOLT-FREE SHELVING SYSTEM

Requirements

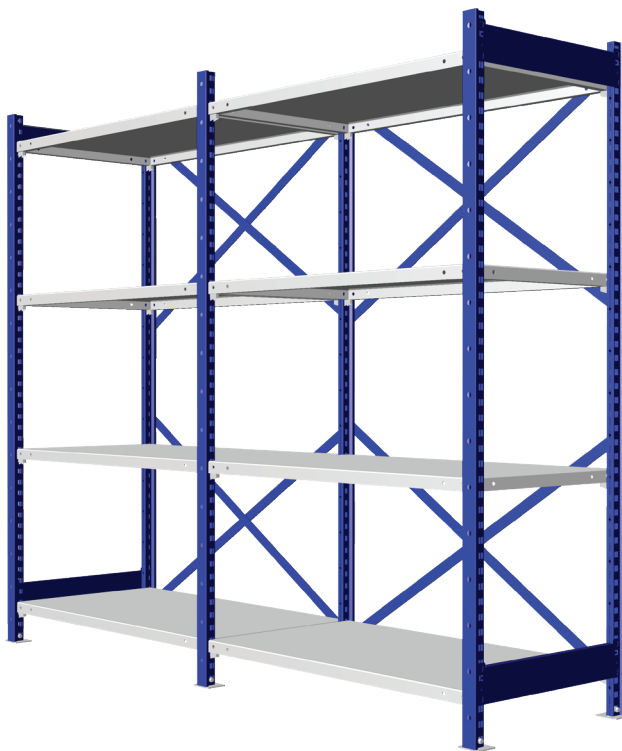
An economical and versatile shelving solution that is ideal for hand-loaded light duty storage that can be scaled. Typical primary need is a hand-loaded storage, where slow moving stock is stored on upper levels leaving the ground floor for fast moving stock items.

Solution:

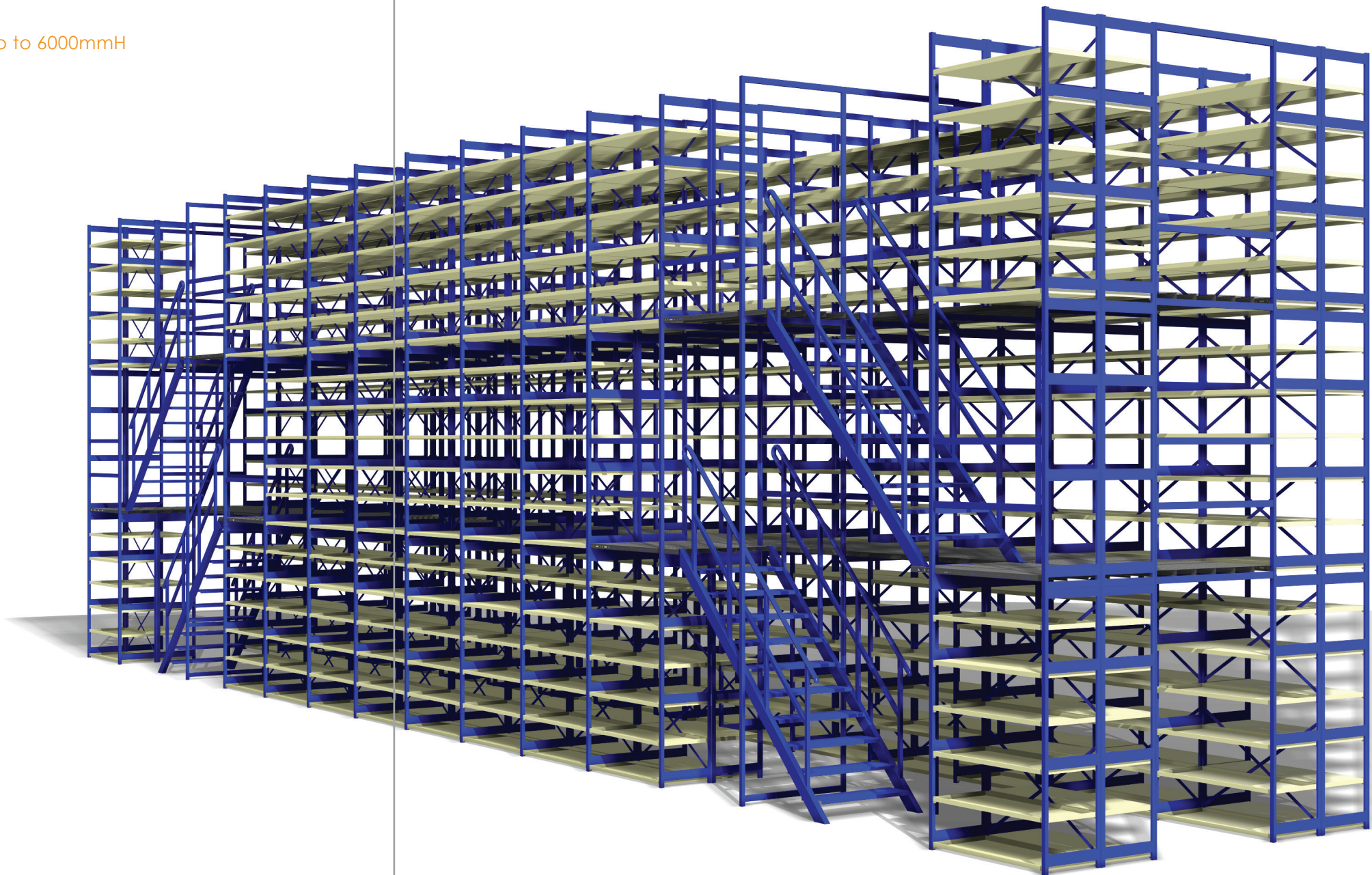
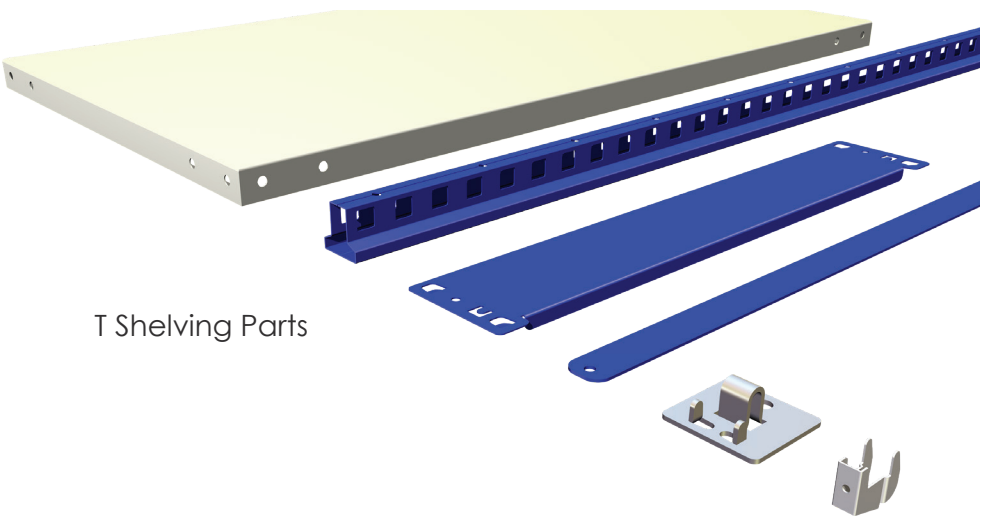
Bolt-free shelving is a modular and cost-effective shelving system that is engineered for durability, strength and stability. It provides effective storage for boxes, cartons, totes, Bins, archive files and a range of other light-duty items. T-shelving can be customising into multi-tier solution as well.

Operation Statistics

Shelving bay height	1600, 1800, 2000,2200, 2400mm, up to 6000mmH
Shelving depth	400, 600mm
Shelving width	900, 1000, 1200, 1500mm
Shelf capacity	150kgs
Shelving bay capacity	Up to 3000kg
Accessories	Mesh Dividers, panel dividers



T Shelving



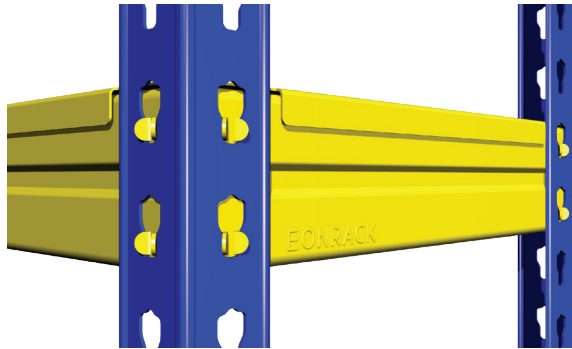
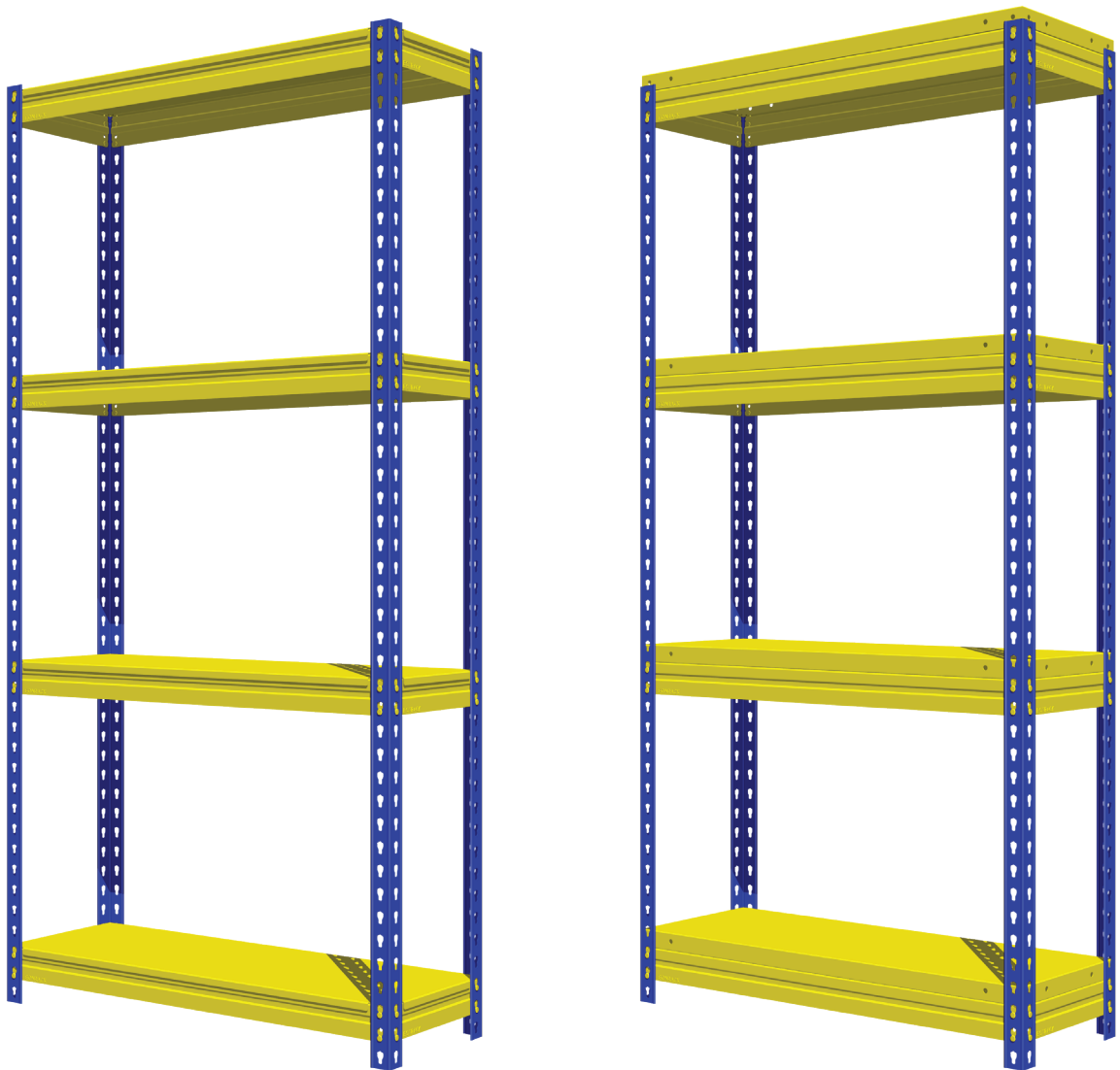
BOLTLESS SHELVING SYSTEM

Easy installation for easy management

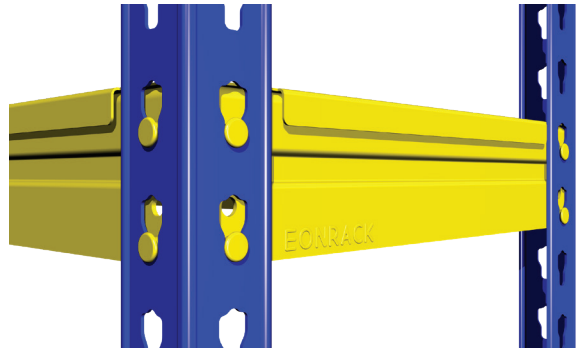
The Europe's all-time favourite for over 30 years requires no tool for the assembly. Whether small or large businesses alike, be it for warehouse, office or home, the advanced compression clip system is integral to the boltless design.

Comes in comprehensive range of colours, this system that is especially durable and economical, and capable of fulfilling every need – whether a simple bay or a complex system, is strong enough to handle a variety of loads and versatile for any settings.

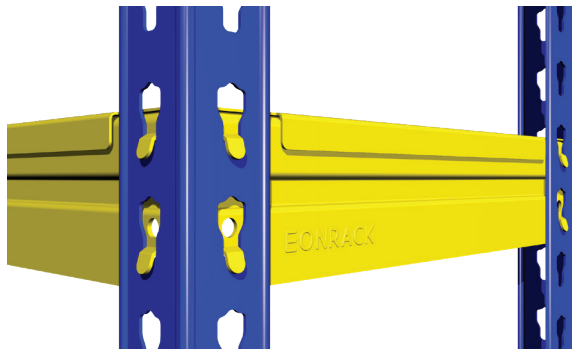
Customers may choose from open and closed configurations to design the most efficient storage, and effectively allocate difference stocks accordingly with dividers and bin fronts. This click and go storage promotes maximum flexibility with minimum requirement via modular design, which is practical and suitable for any types of storage system.



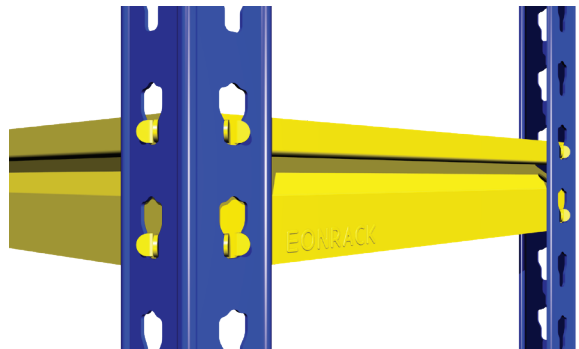
Boltless Butterfly Connector



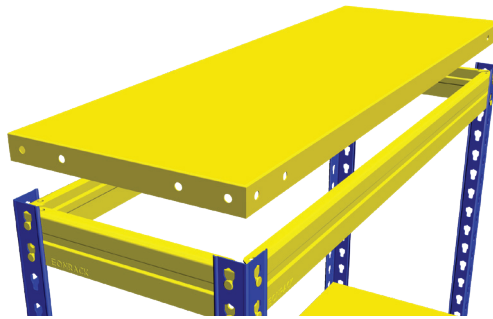
Boltless Rivet Connector



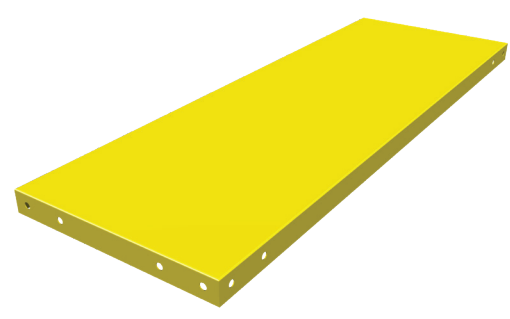
Boltless Ctype Connector



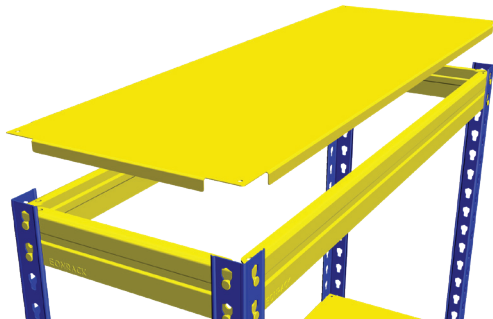
Boltless Zbeam Connector



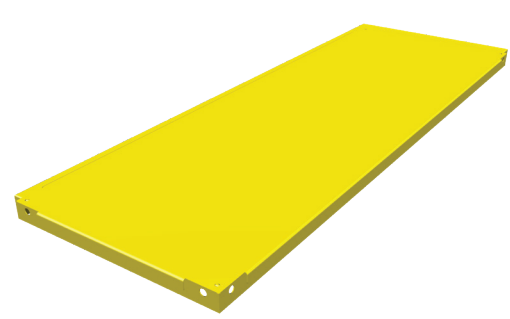
Boltless Bending Type



Bending Metal Shelf



Boltless Cap Type



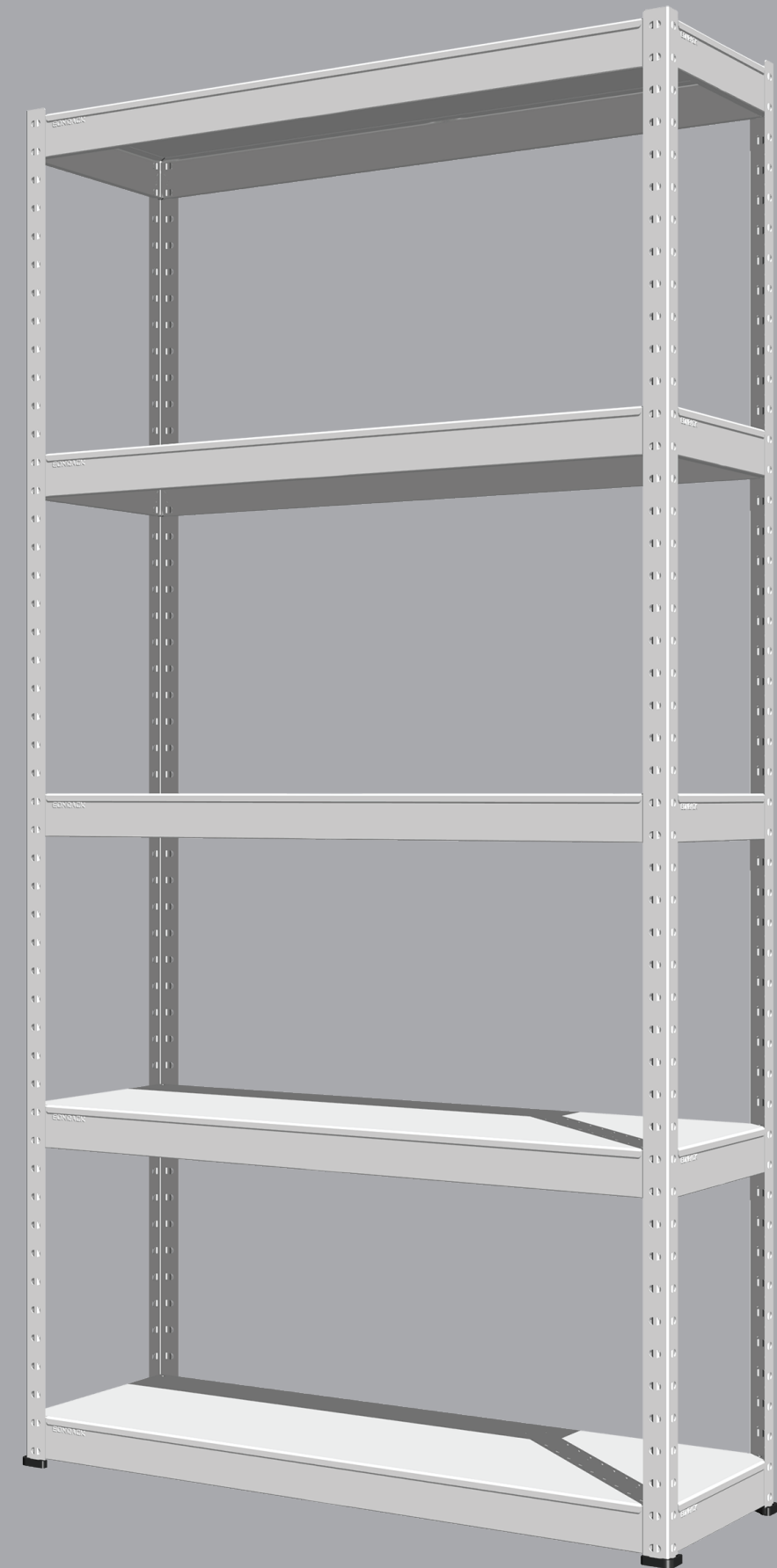
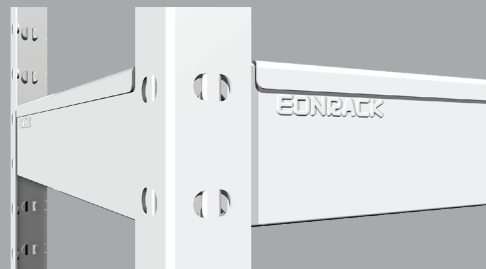
Cap Type Metal Shelf

2 IN 1 RACK

Eonmetall promotes innovations and functionalities in all of the products delivered to its customers. The 2-in-1 Rack series is the illustration of Eonmetall's commitment in delivering the innovations that are coupled with great functionalities to the consumers. This easy-to-install and easy-to-dismantle ensure trouble-free rack usage. Available in 5-level powder-coated steel shelves, these 2-in-1 racks demonstrates the quick and easy installation of Eonmetall's Boltless concept. Systems with this concept make the shelves straightforward and quick for home and office usage. The versatility of the 2-in-1 rack series ensure itself to be easily constructed to different heights up to 6 feet with all the simple add-on of angle posts. Apart from this, the 2-in-1 rack series is delivered to the consumers in 1-carton boxes which ensure easy transport and handling.

The innovative joint brackets enable the 2-in-1 rack series to be used as a single 5-level shelf or as 2 individual units with 2- and 3-level shelves depending on the consumer's preferences.

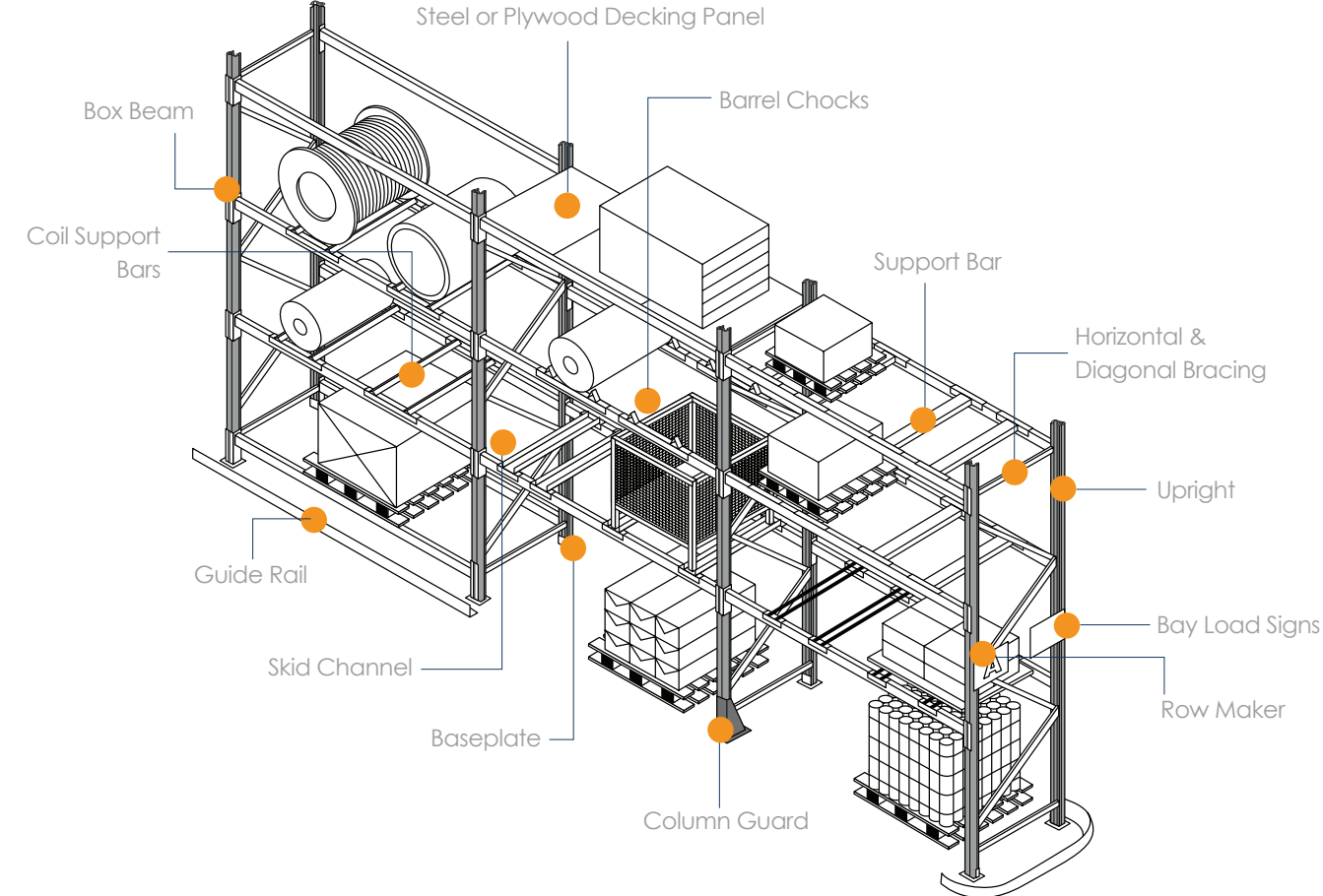
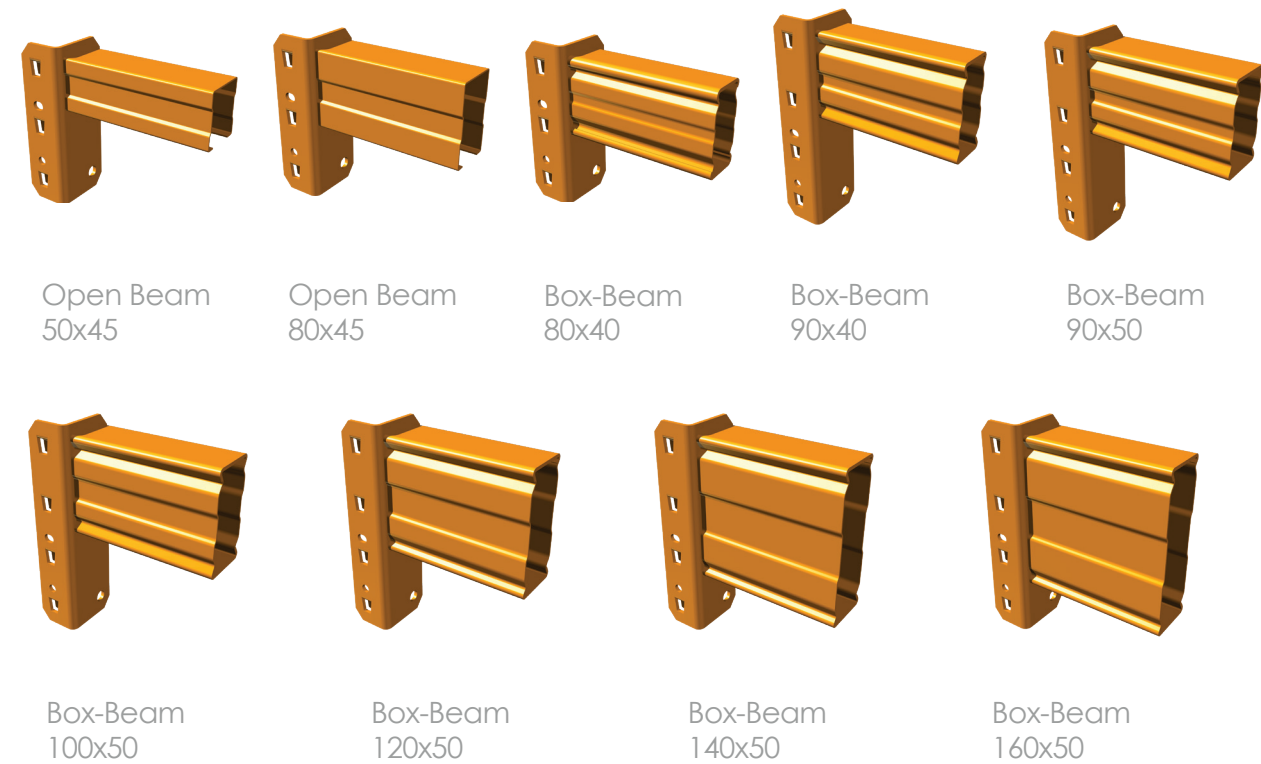
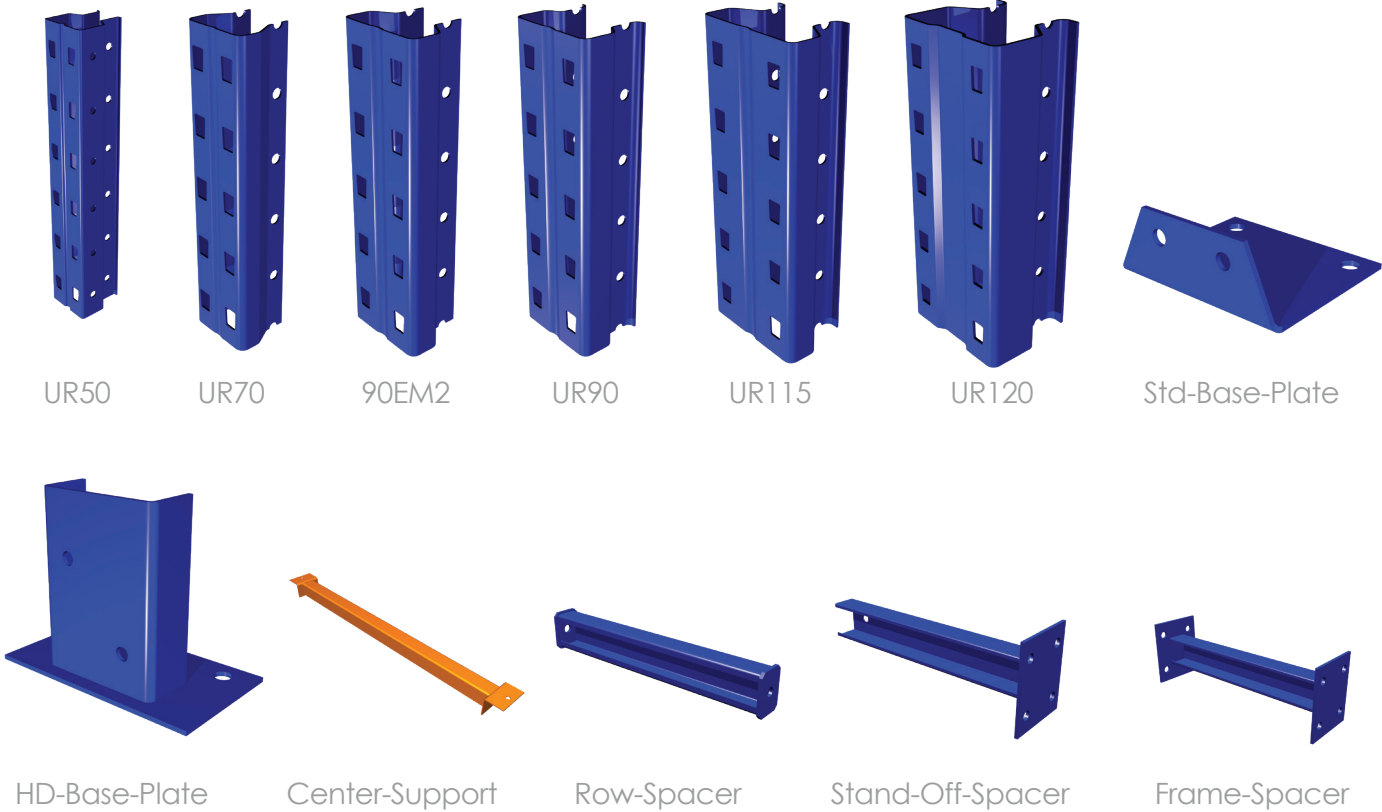
- Easy to install and simple to dismantle
- Free adjustment without hassles
- No tools involved
- Suitable for various types of storage



MODEL: 2 IN 1 RACK
MEASUREMENT: 1829 x 350 x 900mm - 5 level

RACK COMPONENT & ACCESSORIES

Eonmetall offers a wide range of rack components and accessories to complement its various racking systems. These include the Safety Barriers, Fork Spacers and Coil Support Bars, Column Guards, Upright Protectors, Pallet Back Stops, Pallet Supported Bars, Barrel Chocks, Coil Support Bars and Skid Channels.



PROJECT GALLERY



PROJECT GALLERY





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