Storage & Warehousing Systems Manufacturer

Esnova

The strength of simplicity

Storage Handling Safety

Dear customer:

We are very proud of showing you our product catalogue, in which you can find the best solutions to organize and administrate offices, warehouses and workshops.

The products here offered are supported by an industrial organization that owns the most advanced technologies on design and production.

All raw materials used in our productive processes are manufactured and developed in the UE and they satisfy the most demanding quality regulations, calculation codes, they respect the environment and assure industrial safety.

The trust our customers have placed in us has allowed Esnova despite the economical crisis to experiment a significant increase of our annual turnover which evidences that is possible to compete in this business with products manufactured in Europe when we combined technology, innovation and service.

Our Account Managers are always at your disposal to establish a direct relationship, quicker and more efficient as these days require.

We hope that our products will be of your interest,

Sincerely,

Marco Antonio Fernández Alonso
CEO Esnova Racks S.A.

Esnova Racks S.A. Head office and Manufacturing Plant - 46.600 m².

- Who we are? ____ 4
- Products ____ 6

STORAGE

- Shelving System:
  - Boltless shelving for small size loads Riveto 2 light ____ 10
  - Boltless shelving for small and medium size loads Riveto 2 ____ 12
  - Boltless shelving for large and medium size loads Riveto 1 light ____ 14
  - Boltless shelving for large size loads Riveto 1 ____ 16
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- Wide Span Shelving ____ 20
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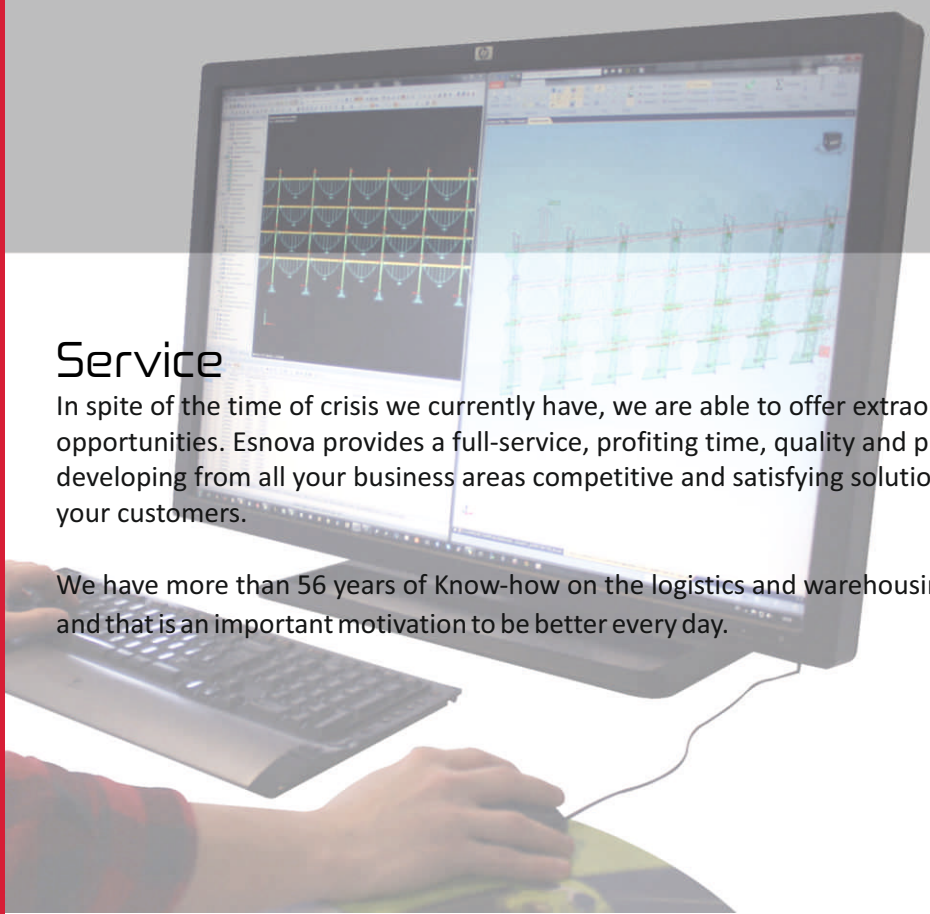
- Esnova Software WAREHOUSE MANAGEMENT SOFTWARE ____ 34

Innovation

Innovation to develop new products and optimizing the existing ones.

Technology

Our machinery at your disposal.
We are equipped with the most flexible and advanced production systems.



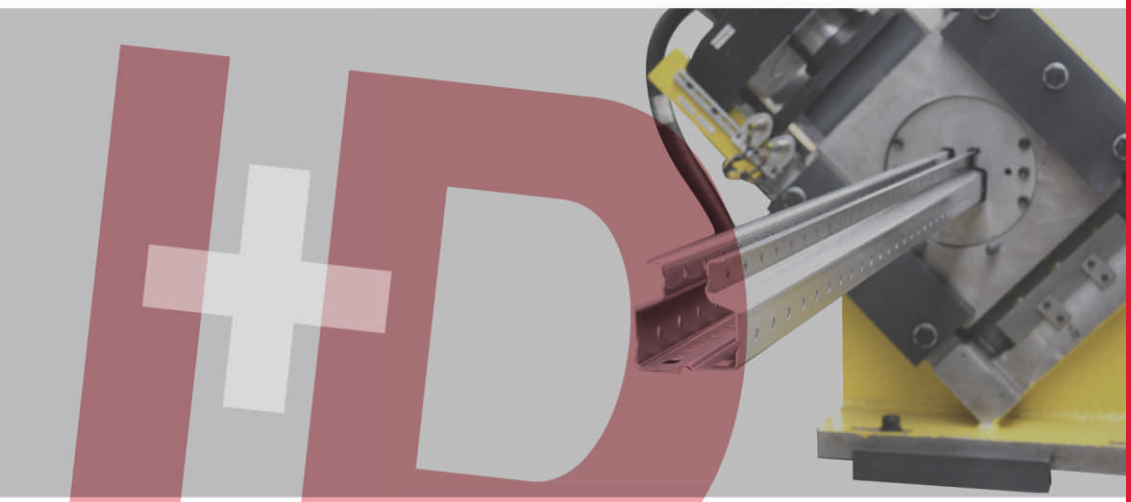
Service

In spite of the time of crisis we currently have, we are able to offer extraordinary opportunities. Esnova provides a full-service, profiting time, quality and price; developing from all your business areas competitive and satisfying solutions for your customers.

We have more than 56 years of Know-how on the logistics and warehousing areas and that is an important motivation to be better every day.

Esnova makes exports to 38 countries worldwide.

Angola · Austria · **Belgium** · Czech Republic
Denmark · Dominican Republic · **France**
Germany · **Guatemala** · Ireland · **Malt** · Morocco · **Norwey**
Panama · **Portugal** · Uruguay · **El Salvador** · Switzerland
The Netherlands · United States of America
United Kingdom · Slovakia · **Saudi Arabia** · Poland
· **Qatar** · Omán · **Emirates**
Bahrein · **Kuwait** · Jordania · **Egypt** · Honduras
Indonesian · Colombia · **Mexico** · Cuba · **Hungary** · Israel



Quality

Quality as a priority standard is established on each and every process Esnova develops.

The group invests in quality and safety and also promotes environmental respect.

- Quality management system certification (ISO 9001).
- Environmental management system certification (ISO 14001).
- Occupational health and safety management system certification (OHSAS 18001).
- CE marking certification acc. UNE EN 1090.

- Member of the European Federation of Material Handling FEM/AEM.

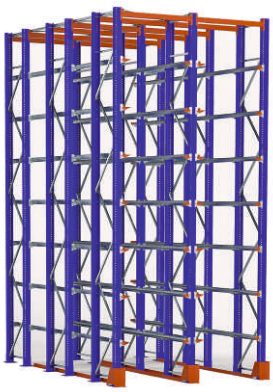
Products

BOLTLESS SHELVING SYSTEM (Pg. 10 - 19)

WIDE SPAN SHELVING M66 (Pg. 20)

PALLET RACKING (Pg. 22)

DRIVE IN (Pg. 24)

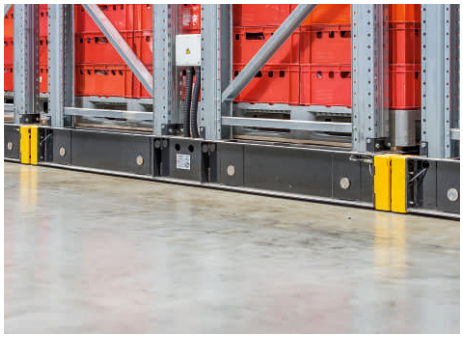


CANTILEVER (Pg. 26 - 27)

SHUTTLE CART (Pag. 28)

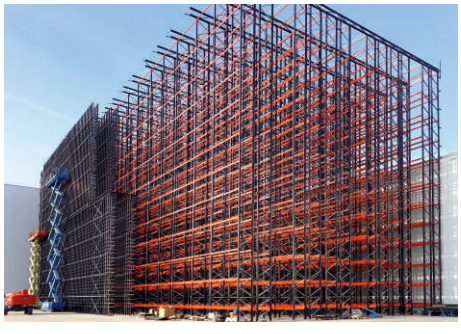
PALLET LIVE STORAGE (Pag. 29)

MOBILE PALLET RACKING (Pag. 30)



AUTOMATED STORAGE SYSTEMS (Pag. 32)

RACK CLAD BUILDINGS (Pag. 33)



ESNOVA SOFTWARE (Pag. 34)

Design, calculation, manufacturing and assembly of Storage Systems

- ✓ Our Technical Department is at your entire disposal to satisfy all the storage needs of our customers.
- ✓ We study your particular case and give you the best solution adapted to your needs.
- ✓ Storage system calculations for areas with seismic risk.

Ask for our product catalogue:
info@esnova.es

- ✓ We have a **testing laboratory** where load testing, strength, buckling, etc are performed.

Esnova

THE STRENGTH OF SIMPLICITY

Low cost boltless shelving for small size loads

Riveto® 2 light

BOLTLESS

Sistema Riveto

Assembly with deep-drawings,
NO BOLTS, NO RIVETS.

Easy assembly.
A rubber mallet or a nylon head one is all you need.

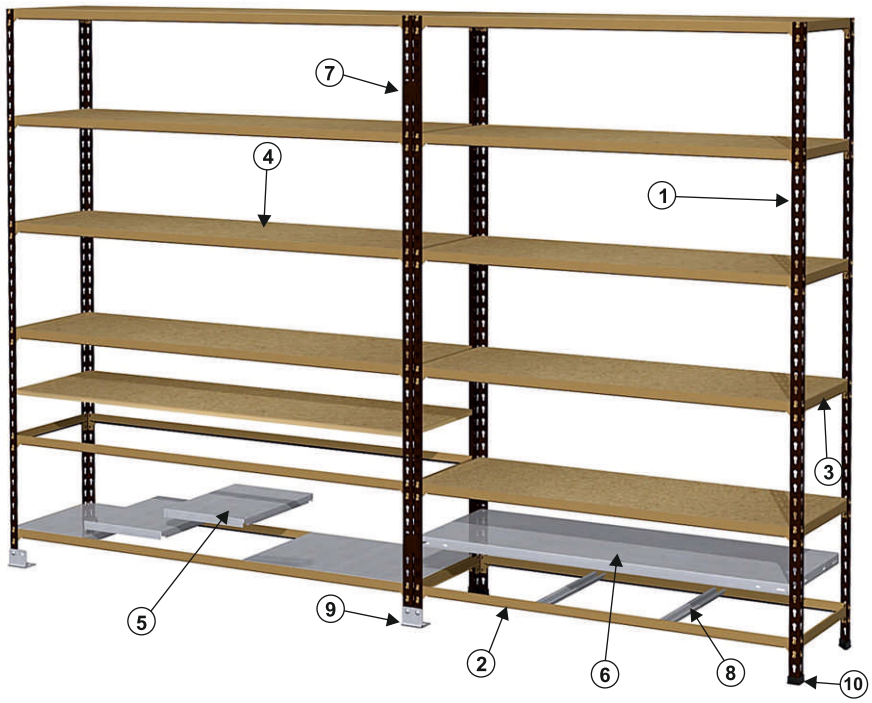
STANDARD COLOURS

UPRIGHTS

Blue 5019 | Brown 8017 | Pregalvanized

BEAM / CROSSBEAM

Brown 8024 | Grey 7032 | Pregalvanized

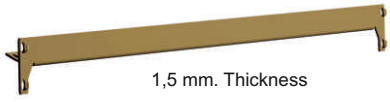


1 UPRIGHT R3 / R3Z

1,5 mm. Thickness

1.981 mm.
2.438 mm.

2 BEAM V3 / V3Z



1,5 mm. Thickness

V3/12	304 mm.
V3/15	381 mm.
V3/18	456 mm.
V3/24	609 mm.
V3/36	914 mm.
V3/48	1219 mm.

3 CROSSBEAM V3

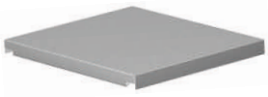
V3/12	304 mm.
V3/15	381 mm.
V3/18	456 mm.
V3/24	609 mm.

1,5 mm. Thickness

4 CHIPBOARD PANEL AGL

16 mm. Thickness

5 STEEL PANEL R3



6 STEEL SHELF SZ

7 TIE PLATE PU3/PU3Z

8 STEEL SHELF REFORCE

9 STEEL FEET CMR2

10 PLASTIC FEET

Boltless shelving for small size loads Riveto® 2

Example:
Reel rack made in Riveto 2

STANDARD COLOURS

UPRIGHTS

Blue 5019 | Brown 8017 | Pregalvanized

BEAM / CROSSBEAM

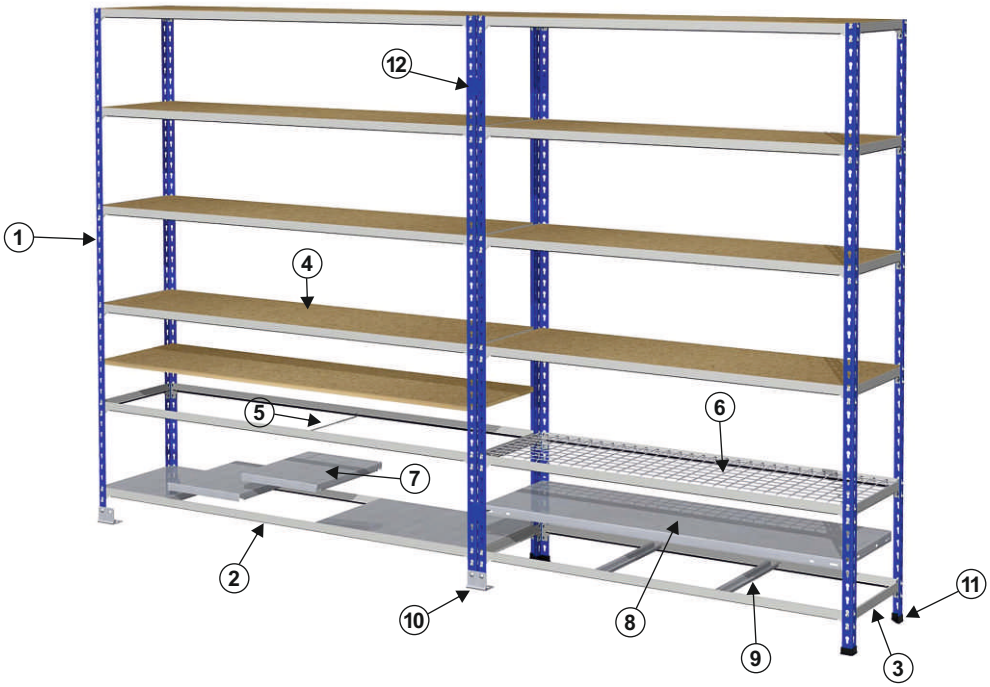
Brown 8024 | Grey 7032 | Pregalvanized

ACCESSORIES

Spacer
Recommended for bays 2 m. And higher. Distance from wall: 50 mm. - 100 mm.

Dividers and ledges
This system keeps the shelves perfectly distributed so as to avoid accidental falls.

Magnetic labels
Dimensions: 80 X 25 mm.

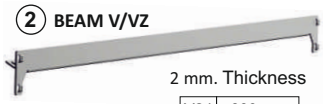


1 UPRIGHT R2/R2Z

1,8 mm. Thickness

1.981 mm.
2.438 mm.
3.048 mm.

2 BEAM V/VZ



2 mm. Thickness

V12	304 mm.
V14	365 mm.
V15	381 mm.
V18	456 mm.

V24	609 mm.
V30	731 mm.
V36	914 mm.
V40	1015 mm.
V48	1219 mm.

3 CROSSBEAM V

V12	304 mm.
V14	381 mm.
V18	456 mm.
V24	609 mm.
V30	731 mm.
V36	914 mm.

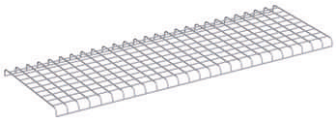
2 mm. Thickness

4 CHIPBOARD PANEL AGL

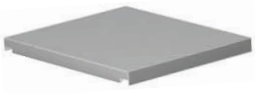
16 mm. Thickness

5 WIRE BRACING VH

6 WIRE MESH



7 STEEL PANEL R2



8 STEEL SHELF SZ

9 STEEL SHELF REFORCE

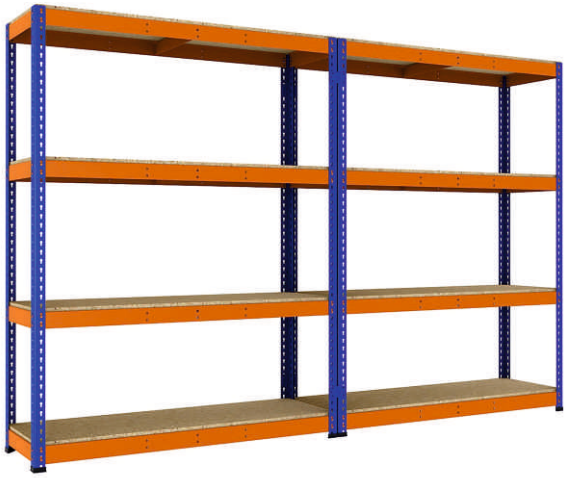
10 STEEL FEET CMR2

11 PLASTIC FEET

12 TIE PLATE PU2/PU2Z

Boltless shelving for medium size loads

Riveto® 1 light



STANDARD COLOURS

UPRIGHTS

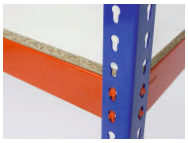
Blue 5019 | Grey 7032 | Pregalvanized

BEAM / CROSSBEAM

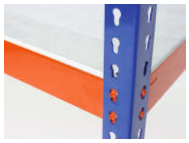
Orange 2004 | Grey 7032 | Pregalvanized

BAYS

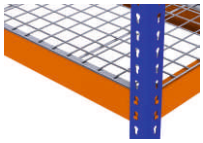
Chipboard panel



Melamine



Steel panel



Wire mesh

MAXIMUM LOADING (Chipboard panel: 16 mm. Thickness). Kg/level U.D.L.

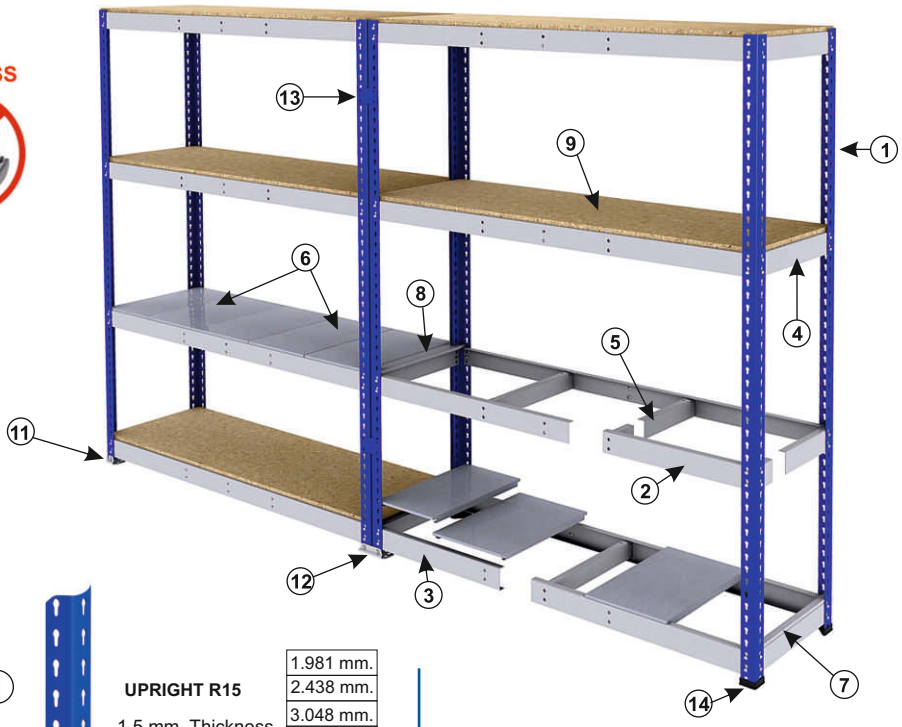
Depth	316 mm. - 486 mm. - 621 mm.				
Width	1.231 mm.	1.536 mm.	1.841 mm.	2.146 mm.	2.450 mm.
L	170 Kg/level	145 Kg/level	110 Kg/level	-	-
LA+A	590 Kg/level	440 Kg/level	285 Kg/level	-	-
LA+2A	-	471 Kg/level	305 Kg/level	-	-
U	350 Kg/level	290 Kg/level	225 Kg/level	175 Kg/level	120 Kg/level
UA+A	695 Kg/level	630 Kg/level	560 Kg/level	465 Kg/level	370 Kg/level
UA+2A	-	647 Kg/level	575 Kg/level	478 Kg/level	380 Kg/level

Depth	773 mm. - 926 mm. - 1.231 mm.				
Width	1.231 mm.	1.536 mm.	1.841 mm.	2.146 mm.	2.450 mm.
L	195 Kg/level	165 Kg/level	110 Kg/level	-	-
LA+A	445 Kg/level	450 Kg/level	315 Kg/level	-	-
LA+2A	-	500 Kg/level	350 Kg/level	-	-
U	490 Kg/level	395 Kg/level	305 Kg/level	220 Kg/level	125 Kg/level
UA+A	540 Kg/level	575 Kg/level	540 Kg/level	470 Kg/level	405 Kg/level
UA+2A	-	591 Kg/level	555 Kg/level	483 Kg/level	416 Kg/level

(13) PLASTIC FEET PU1, PU1Z

(14) TIE PLATE

BOLTLESS



1 UPRIGHT R15

1,5 mm. Thickness

1.981 mm.
2.438 mm.
3.048 mm.
3.658 mm.

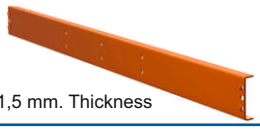
2 BEAM LA15/LAZ15

LA48	1196 mm.
LA60	1501 mm.
LA72	1806 mm.

1,5 mm. Thickness

3 BEAM UA15/UAZ15

UA60	1.501 mm.
UA72	1.806 mm.
UA84	2.111 mm.
UA96	2.415 mm.



1,5 mm. Thickness

4 CROSSBEAM L15/L15Z

L12	280 mm.
L18	433 mm.
L24	585 mm.
L30	737 mm.
L36	890 mm.
L48	1194 mm.

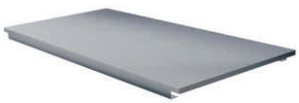
1,5 mm. Thickness

5 BRACING A

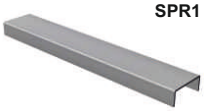
A12	306 mm.
A18	459 mm.
A24	611 mm.
A30	763 mm.
A36	916 mm.
A48	1.220 mm.

1,8 mm. Thickness

6 STEEL PANEL R1 (PB y PC), SPR1



7 SIMPLE STEEL PANEL CLOUSE SPR1



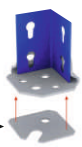
8 DOUBLE STEEL PANEL CLOUSE SPR1

9 CHIPBOARD PANEL AGL

16 mm. Thickness

10 SPACER R1Z

11 STEEL FEETS CMS1Z



SHIM PLATES PNZ

12 STEEL FEETS CMD1Z DOUBLE

Boltless shelving for large size loads

Riveto® 1

BOLTLESS

MULTIPLES APPLICATIONS ACCESSORIES

STANDARD COLOURS

UPRIGHTS

Blue 5019 | Grey 7032 | Pregalvanized

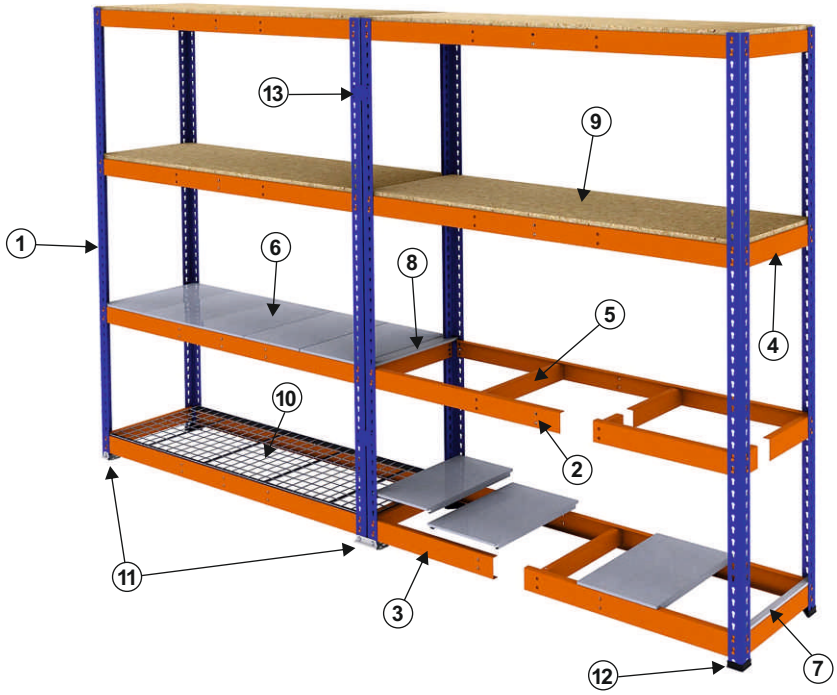
BEAM / CROSSBEAM

Orange 2004 | Grey 7032 | Pregalvanized

MAXIMUM LOADING (Chipboard panel: 16 mm. Thickness). Kg/level U.D.L.

Depth	316 mm. - 486 mm. - 621 mm.				
Width	1.231 mm.	1.536 mm.	1.841 mm.	2.146 mm.	2.450 mm.
L	590 Kg/level	440 Kg/level	190 Kg/level	-	-
LA+A	770 Kg/level	640 Kg/level	420 Kg/level	-	-
LA+2A	-	680 Kg/level	450 Kg/level	-	-
U	960 Kg/level	706 Kg/level	536 Kg/level	400 Kg/level	250 Kg/level
UA+A	1100 Kg/level	800 Kg/level	610 Kg/level	577 Kg/level	545 Kg/level
UA+2A	-	1000 Kg/level	700 Kg/level	600 Kg/level	560 Kg/level

Depth	773 mm. - 926 mm. - 1.231 mm.				
Width	1.231 mm.	1.536 mm.	1.841 mm.	2.146 mm.	2.450 mm.
L	467 Kg/level	344 Kg/level	200 Kg/level	-	-
LA+A	800 Kg/level	640 Kg/level	420 Kg/level	-	-
LA+2A	-	640 Kg/level	470 Kg/level	-	-
U	760 Kg/level	560 Kg/level	720 Kg/level	323 Kg/level	200 Kg/level
UA+A	920 Kg/level	820 Kg/level	720 Kg/level	620 Kg/level	500 Kg/level
UA+2A	-	1050 Kg/level	800 Kg/level	660 Kg/level	570 Kg/level



1 UPRIGHT R1/R1Z

2 mm. Thickness

1.981 mm.
2.438 mm.
3.048 mm.
3.658 mm.

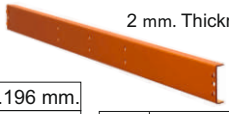
2 BEAM LA/LAZ

LA48	1.196 mm.
LA60	1.501 mm.
LA72	1.806 mm.

2 mm. Thickness

3 BEAM UA/UAZ

2 mm. Thickness



UA48	1.196 mm.
UA60	1.501 mm.
UA72	1.806 mm.

UA84	2.111 mm.
UA96	2.415 mm.

4 CROSSBEAM L/LZ

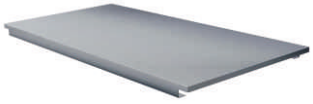
2 mm. Thickness

L12	280 mm.
L18	433 mm.
L24	585 mm.
L30	737 mm.
L36	890 mm.
L48	1.194 mm.

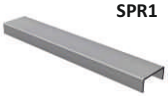
5 BRACING A/AZ

A12	306 mm.
A18	459 mm.
A24	611 mm.
A30	763 mm.
A36	916 mm.
A48	1.220 mm.

6 STEEL PANEL R1/SPR1-N



7 SIMPLE STEEL PANEL CLOUSE SPR1

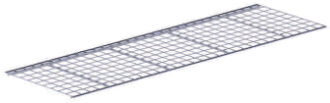


8 DOUBLE STEEL PANEL CLOUSE SPR1

9 CHIPBOARD PANEL AGL

16 mm. Thickness

10 WIRE MESH



11 STEEL FEETS

SIMPLE CMS1Z

DOUBLE CMD1Z

12 PLASTIC FEET

13 TIE PLATE PU1/PU1Z

A two tier system shelving **Riveto 1**

- This storage system will take advantage of the existing vertical space in the warehouse by creating different shelving floors, which are connected among them by stairs and aisles.
- Modular system. There is the possibility to increase the installation sideways and in depth without no problem.
- It can be adapted to the available space.

Example

Floor area: 40 m.²
Height of the system: up to 4,8 m.
Warehousing area: 140 m.²

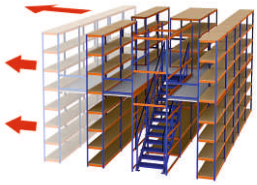
UPRIGHT

Blue 5019 | Grey 7032

BEAMS / CROSSBEAMS

Blue 5019 | Orange 2004 | Grey 7032

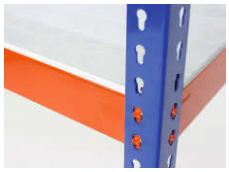
Sideways expansion



Expansion in depth

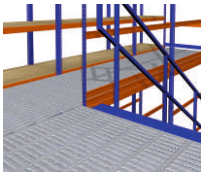
BAYS

Chipboard panel



Steel panel

AISLES



Steel decking

Chipboard panel

Riveto Applications

Workstation with louvre back panel

Workbench

Workstation

Garment shelving

Large packing station

Side table

Hanging-reel

Tyre Rack

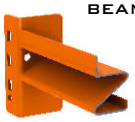
Wide span shelving M66

Manual storage system for medium and heavy loads.

- Direct access to the goods. Best to use when many different items and irregular rotation.
- Great strength.
- Easy and fast assembly.
- Adjustable to different volume and cargo sizes.

BEAMS

BEAM Z35



BEAM ZG35

Beam Z35 - ZG35	
Thickness	1,5 mm.
Standard lengths (mm.)	890-1070-1250 1425-1605

BEAM Z55E

BEAM ZG55E

Beam Z55e - ZG55e	
Thickness	1,5 mm. - 1,8 mm.
Standard lengths (mm.)	890-1070-1250-1425-1605-1785-1960-2140

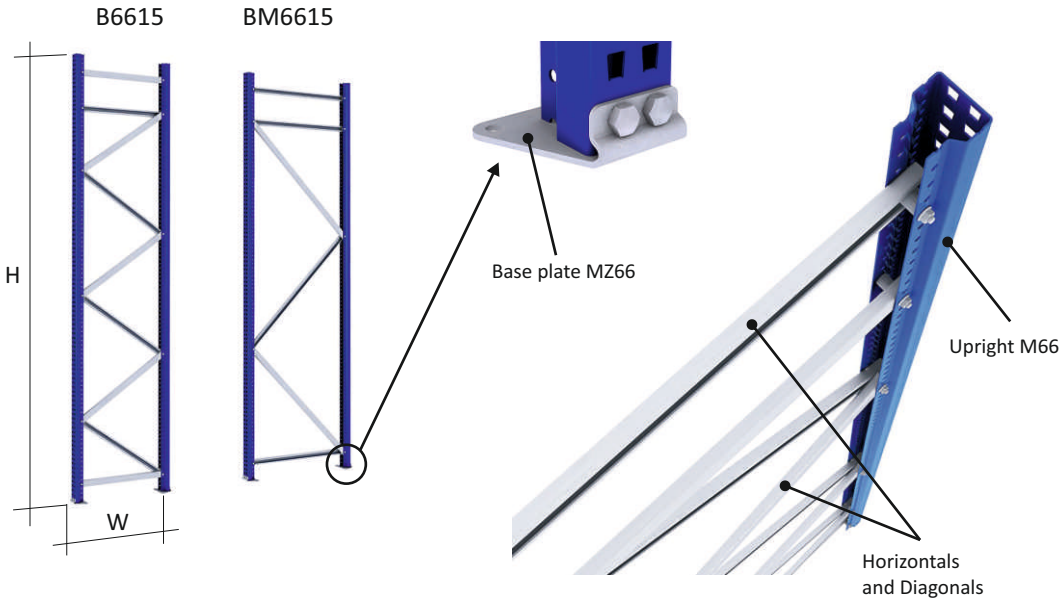
BEAM Z65E

BEAM ZG65E

Beam Z65e - ZG65e	
Thickness	1,8 mm. - 2 mm.
Standard lengths (mm.)	1605-1785-1960 2140-2315-2500-2675

Components

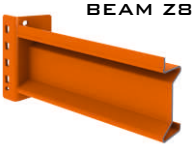
FRAMES



	B6615	BM6615
Min/Max Height (H)*	2500 / 5500 mm.	1500 / 3250 mm.
Frames width (W)	400 - 600 - 800 - 1000 mm.	

* The frames standard heights increase in steps of 250 mm.

BEAM Z85E



BEAM ZG85E

Beam Z85e - ZG85e	
Thickness	2 mm.
Standard lengths (mm.)	1605-1785-1960 2140-2315-2500-2675

GRAN MILANO

Beam Gran Milano	
Thickness	1,5 mm.
Standard lengths (mm.)	890-1070-1250 1425-1605-1785

BEAM MV

Beam MV	
Thickness	2 mm. - 2,3 mm. - 3 mm.
Standard lengths (mm.)	890-1070-1250 -1425

Pallet Racking

- It is the suitable system for the storage of palletized loads of multiple references.
- it allows the immediate access to all the units of load.
- Great resistance. Conventional Pallet Racking adapts to the storage need.

Custom made projects

Our Technical Department has the solution for any storage need.

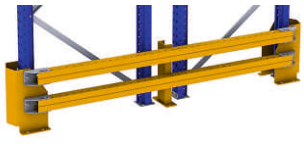
Design and execution of special storage systems with the most advanced informatic programs.

Safety and Protection

ANTI-FALL MESH

Electrowelded mesh pannels are used as security closings in aisle or transit areas to avoid goods from falling.

PROTECTIONS FOR FRAMES AND UPRIGHTS



Components

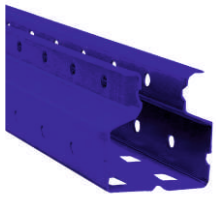
FOLDED BASE PLATE

PLK5

NBP4

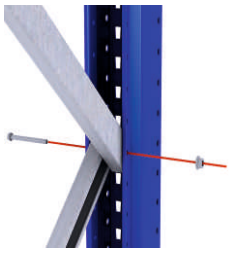
Standard finishing Pregalvanized

UPRIGHT ER



Standard finishing Blue 5019
Pregalvanized

HORIZONTAL/DIAGONAL

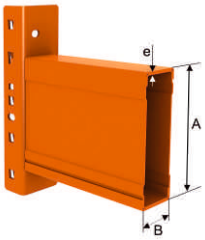


Standard finishing Pregalvanized

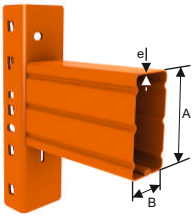
SAFETY CLIP

Standard finishing Pregalvanized

EGN BEAM



LNS BEAM



Best Performance up to 2700 mm beam length and 1000 kg/pallet weight.

DUO CONNECTOR

For EGN Beams

Standard finishing Orange 2004

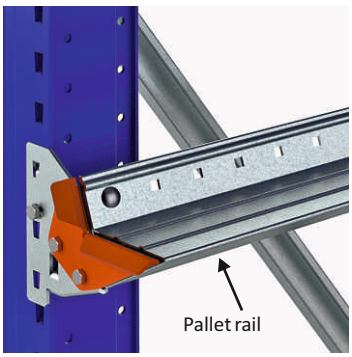
Dimensions* (A x B x e)	Connector
EGN 135x50x1,5	DUO
EGN 140x50x1,5	
EGN 140x50x2	
EGN 150x50x1,5	
EGN 150x50x2	
EGN 165x50x1,8	
LNS 60x50x1,5	
LNS 80x50x1,5	
LNS 100x50x1,5	
LNS 110x50x1,5	
LNS 120x50x1,5	
LNS 130x50x1,5	

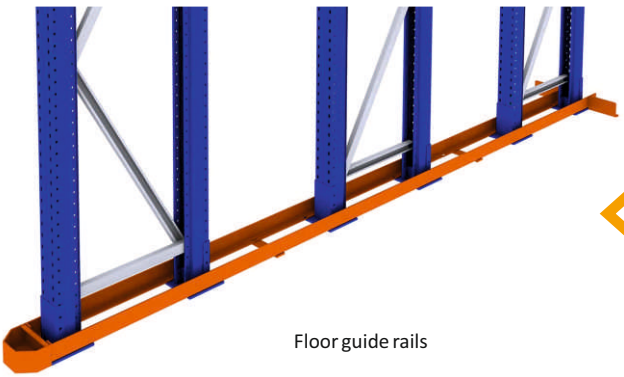
*Dimensions in mm.

ACCESSORIES:
Defenses
Crossbeams
Spacers
Metallic panels
etc...

Drive In

- Cost effective solution to high density storage.
- Significant feature is that up to 85% of the available space can be used.
- Appropriate system when loading large quantities of like-product.



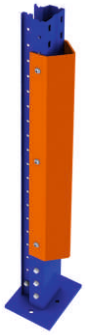


Floor guide rails

It is a forklift guidance system that allows work in lanes with more than six meters depth and height.

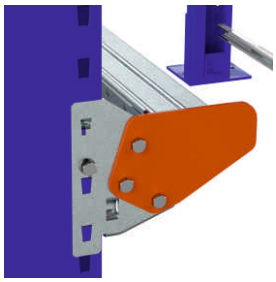
Post Protector

It is important to protect the bottom of posts and frames.



Load Level Pallet Stopper

This element prevents the pallets from falling at the end of the aisle in a single entry type of drive-in.

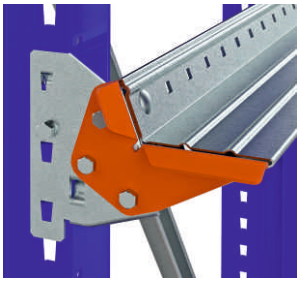


Floor Level Pallet Stopper

This element works as an aisle end reference for the floor level in a single entry type of drive-in.

Pallet Entry Guide

This element makes easier the pallet entry and guidance on the aisle, avoiding falls or damage to the goods.



Cantilever Racking

- The main characteristic of the Cantilever Storage System is its capacity to support high volume and length loads.
- It can also be perfectly adapted to the different needs such as variable length and different heights loads. It allows as well to place levels at one or both sides of the central column and its assembly is simple.

Standard dimensions	
Column height (H*)	2500-3000-3500-4000-4500-5000-5500-6000-6500-7000
Arm length (L*)	600-800-1000-1250-1500

** Measures in mm.*

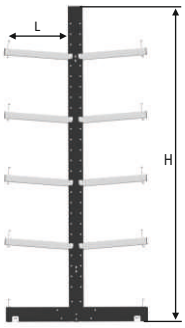
Stop-pieces: placed at the edge of the arms they avoid accidentally falls of goods.

Arms with bolts

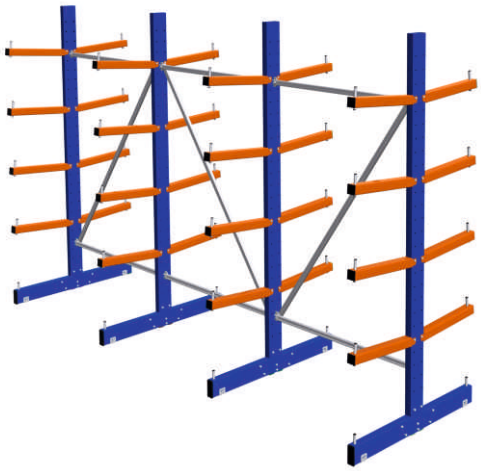
Light Cantilever

Single Frame

Double Frame



- A system for storing **light loads** of great lengths or volumes.

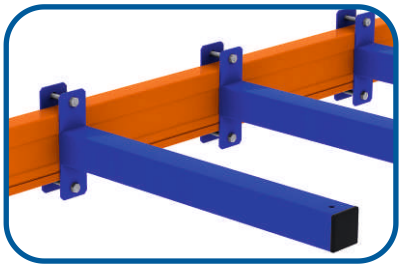


Standard dimensions	
Column height (H*)	400-500-600-700-800-900-1000-2000-2500-2900
Arm length (L*)	70-80-90-100-120-150-180

** Measures in mm.*

Vertical Storage Cantilever

- Storage system designed for long loads or big volume ones in a **vertical disposition**.



The arrangement of the spacer arms can be adjusted to the client's necessities.

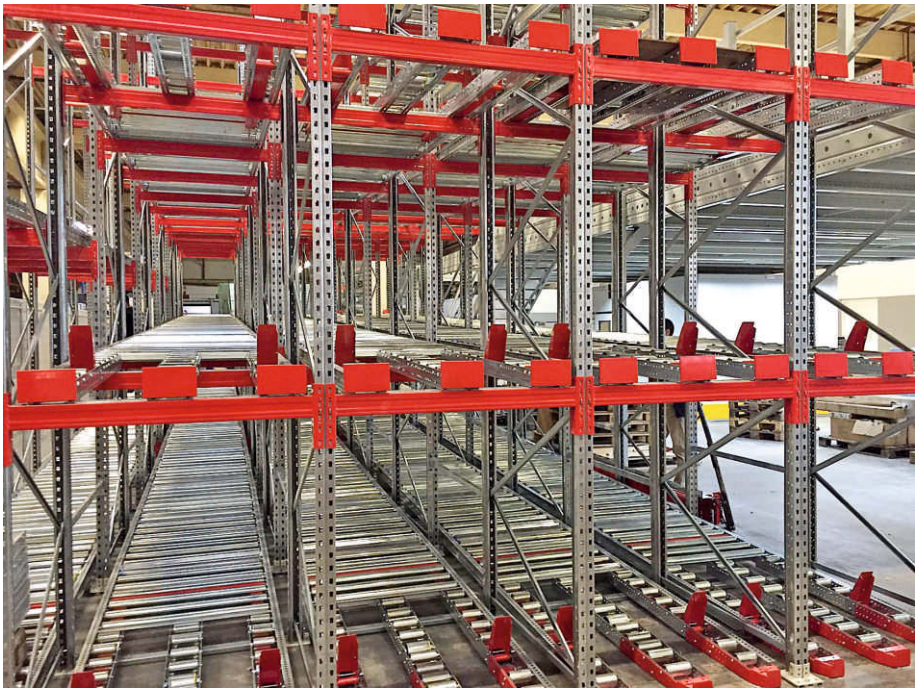
Shuttle Cart

- The main feature of our Shuttle Car System is to facilitate and improve the loading and unloading of goods, without the need for trucks to access the storage aisles.
- The shuttle car runs on rails, selecting input and output pallets via a remote control.

ASK FOR OUR PRODUCT CATALOGUE

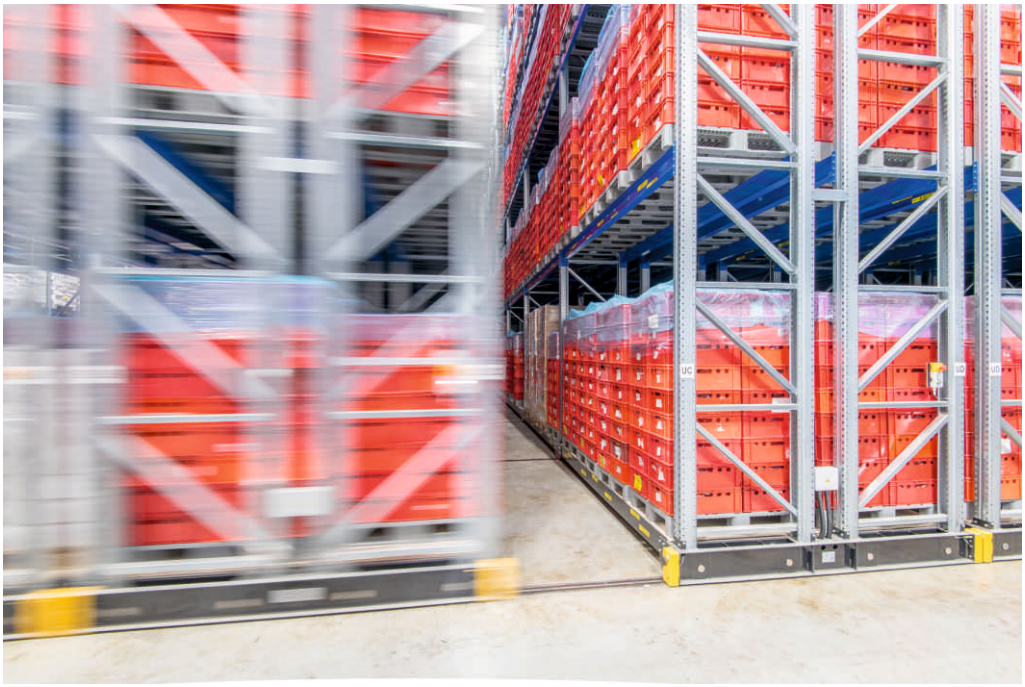
Pallet live storage

- Flow racking systems for boxes or pallets.
- Sloped roller truck beds for a perfect motion of the pallets.



Mobile pallet racking

- High storage density.
- The Pallet racking is fitted on rail-guided mobile bases.
- Optimal for high floor prices.
- Perfect for cold storage systems.



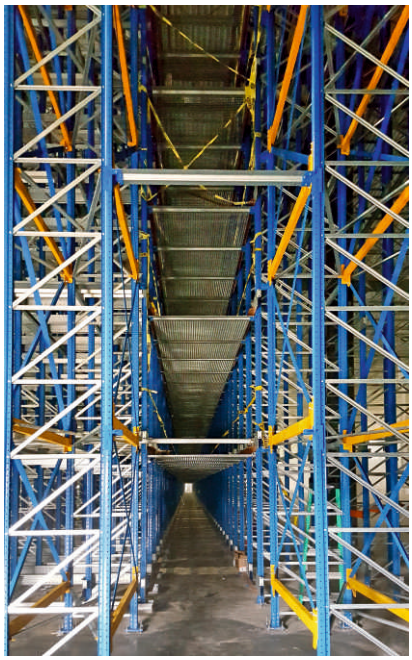
Mezzanine floor

- Maximum advantage of warehouse free area, doubling or tripling the surface area.

- Mezzanine floors may be use with elevating systems which enable goods accesability.

CUSTOM MADE PROJECTS

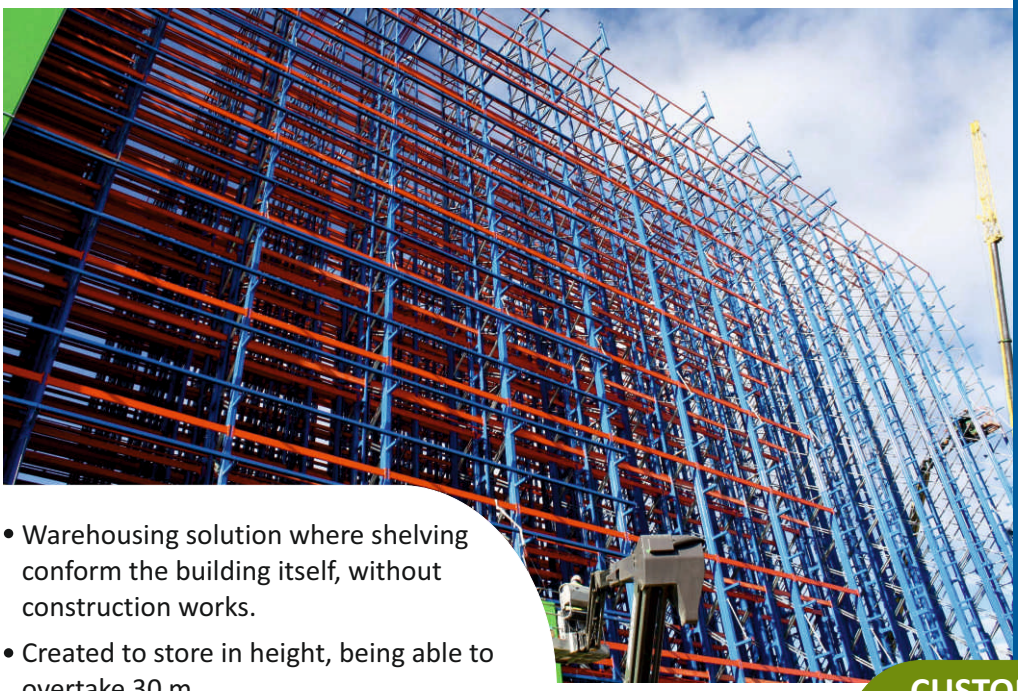
Automated Storage Systems



Manage your warehouse on an automated way and optimize the storage, the picking processes and the shipping of your goods.

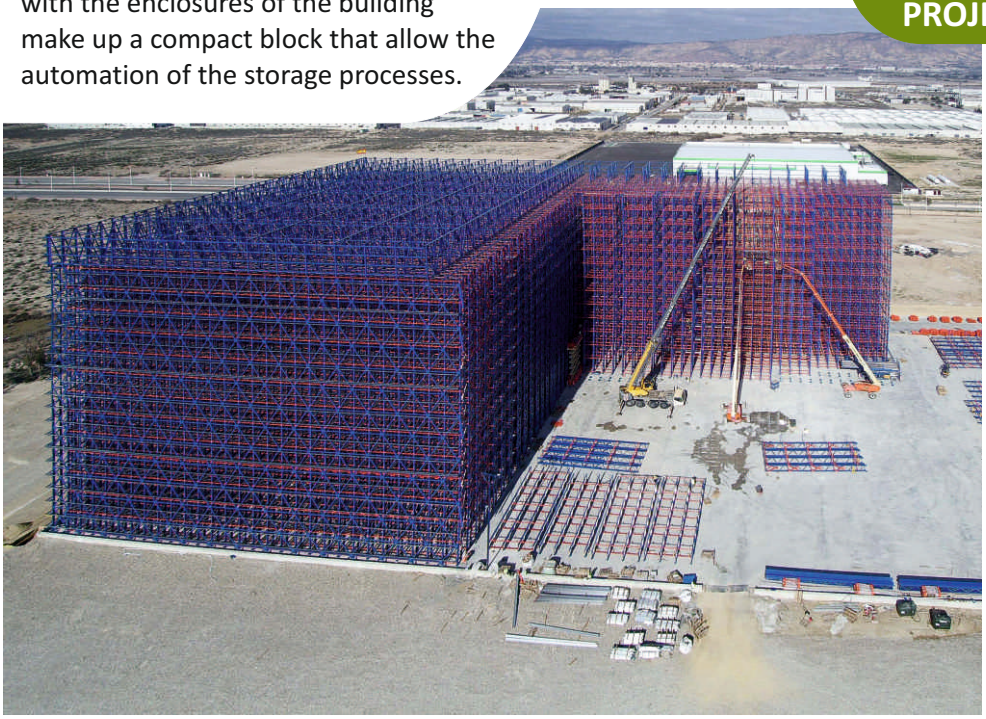
Maximum stock control, speed up your picking processes and higher efficacy in the inbound and outbound of goods.

Rack Clad Building

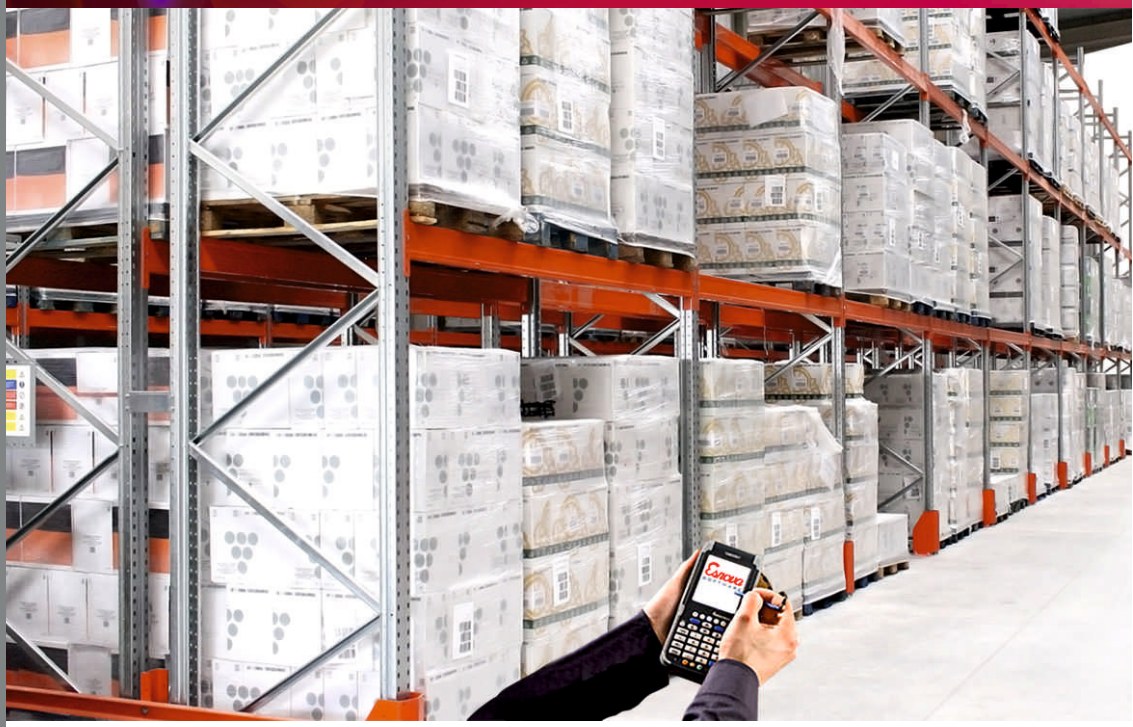


- Warehousing solution where shelving conform the building itself, without construction works.
- Created to store in height, being able to overtake 30 m.
- The elements of the system together with the enclosures of the building make up a compact block that allow the automation of the storage processes.

CUSTOM MADE PROJECTS

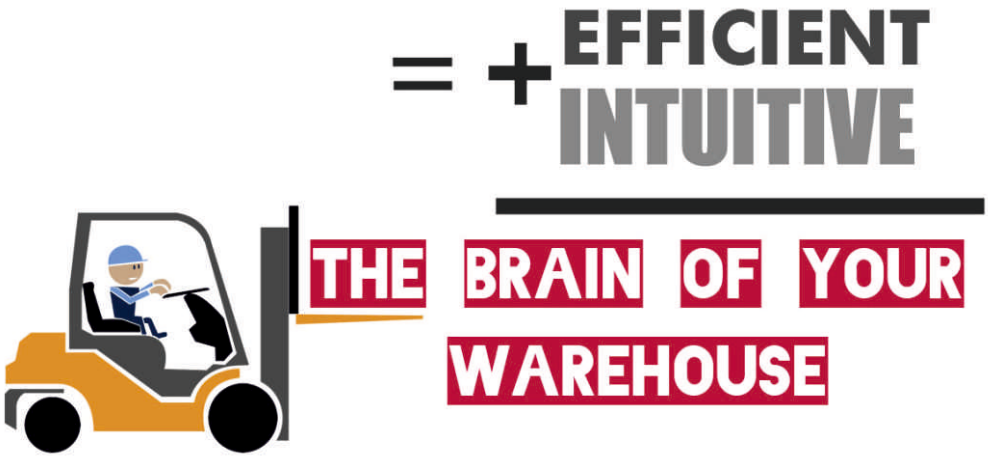


59.600 pallet capacity.



Esnova incorporates to its product range a new software tool to manage our storehouses in a comfortable, easy and profitable way.

Esnova Software is the warehouse management tool that optimizes all processes (reception, order preparation, shipping), reducing costs and improving the service quality. It is based in an effective and easy managing for any user.



Suitable with other devices

- It decreases up to 90% the risk of errors, resulting in a significant time and money saving.
- It speeds up common procedures as reception, storing, order preparation and shipping.
- It increases the storage profitability and allows control the existing stock in real time.
- Esnova Software is designed to make its use easy and intuitive.
- Is a custom-made tool, adaptable to the needs of each customer.
- Better exploitation of the storage space and merchandise organization.
- Accurate control of the tracking for the different references in the warehouse.
- Using this tool you will be able to analyze your store's statistics, providing decision-making and increasing productivity.

Find out more about **Esnova Software** in...

www.esnova.es

Esnova

Ask for our product catalogs!

Light and Medium Loads:
- Manual Rack
- Riveto Shelving System
- Slotted Angle Shelving

Large Loads:
- Pallet Racking
- Drive In
- Shuttle Cart
- Cantilever
- Rack Clad Building
- Robotized Systems

Handling:
- Containers

Safety
- Modular Guards

Esnova SOFTWARE

Warehouse Management Software:

How to organize a warehouse?
This software specially designed to the warehouse management is the perfect IT tool to have a logistic control of your storage space.

Management System
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007
EN 1090
www.tuv.com ID: 9105076955

www.esnova.es

19CLGLEN00

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