

Enova



Design, calculations and manufacturing
of Storage Systems



BOLTLESS SHELVING SYSTEM **Riveto**

The **Strength** of simplicity



We have a background of more than **50 years of knowledge** in the design and manufacturing of Storage Systems. We have consolidated and strengthened our position based on the humility and freshness of a young and specialized team, which added to our latest generation technologies, makes **ESNOVA** enjoy the trust and confidence of our worldwide customers.



WE EXPORT TO OVER THAN **40 COUNTRIES**



Design, calculations and manufacturing of **Storage Systems**



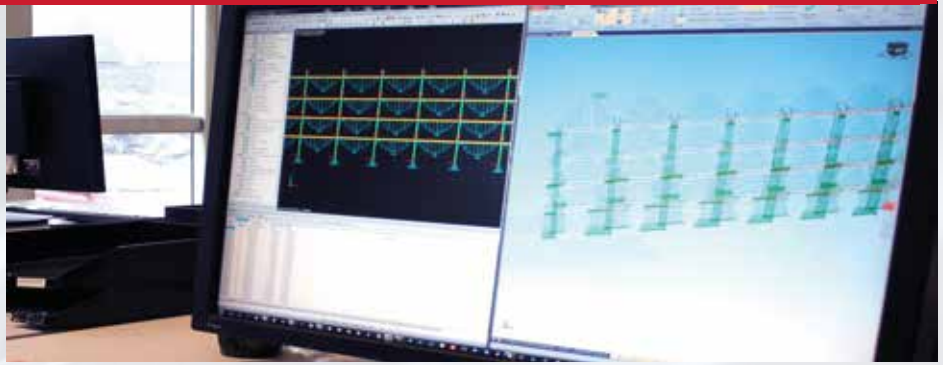
EXPERIENCE

We have a large group of professionals with a long career in the logistics sector.

We can give you an efficient and direct response. We count with a large variety of references in stock for delivery in a few days and we adapt to special requirements for any type of business and storage. From the lightest shelving to the most sophisticated automatic storages.

We always offer efficient storages by studying each case and adapting the best solution for it:

- Optimize the available space.
- Increase storage capacity.
- Make the square metre of storage more profitable.
- Provide a more logical order for easy location and greater protection against damages and losses.
- More security for staff and facilities.
- Generate higher productivity in operations and resources.
- Offer a better service to our customers.



SOLUTIONS

Industrial racking/shelving to store all types of products. Light, medium and heavy loads, palletised loads, big loads...

Standard Pallet Racking, Drive-in Racking, Cantilever, Rack-clad storage systems and automatic systems, Long Span racking, Boltless shelving (Riveto), Multi-tier shelving, mezzanines, metallic containers. All of them formed a great range of storage solutions which, together with our experienced team, will solve your storage problems with quality, safety and lower cost.



Technology

Our machinery at your service. We are equipped with the most flexible and advanced production systems for the design and manufacture of parts, components and competitive metal products.



Lab Tests

We have a Testing Laboratory where the performance of all different components of each system is verified by testing loads, resistance, buckling ...



Innovation

Innovate to improve, both in **new products** and in the optimization of existing products.

Quality



Esnova sets as a priority the quality standards in each and every one of the processes it develops.

- Certificate in the quality management system (ISO 9001).
- Certificate in the environmental management system (ISO 14001).
- Certificate in the occupational health and safety management system (ISO 45001).
- UNE EN 1090 Certificate of CE Marking.
- Member of the European Federation of Maintenance FEM/AEM.



Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

www.tuv.com
ID 9105076955



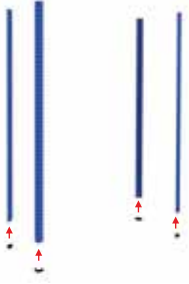
Riveto® 1

BOLTLESS

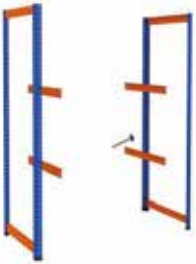


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



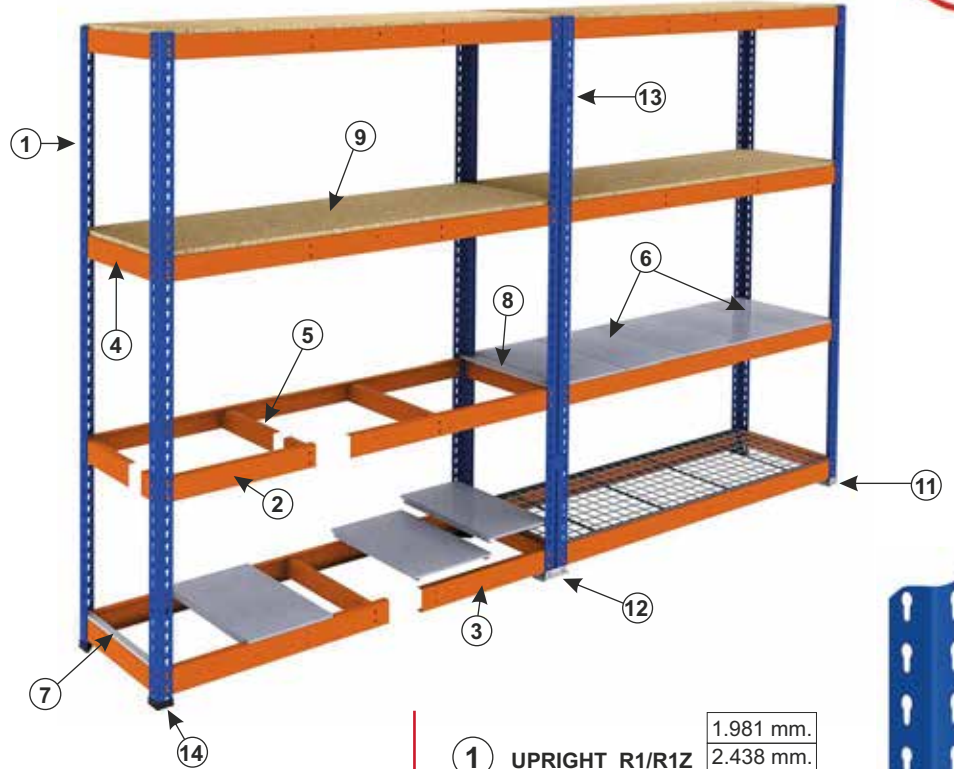
C - Fit the beams.



D - Fit the bracings.



E - Fit the chipboards.



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

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

2 mm. Thickness.



5 BRACING A/AZ

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 SPR1, R1



7 SIMPLE STEEL PANEL CLOUSE SPR1



8 DOUBLE STEEL PANEL CLOUSE SPR1



9 CHIPBOARD PANEL AGL

Thickness: 16 mm.



10 SPACER R1Z



11 SIMPLE STEEL FEET CMS1Z



12 DOUBLE STEEL FEET CMD1Z



SHIM PLATES PNZ



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

UPRIGHT



Blue 5019 Grey 7032 Pregalvanized



BEAMS / CROSSBEAMS



Orange 2004 Grey 7032 Pregalvanized



STANDARD FINISHING



Blue - Orange



Grey - Grey



Blue - Grey



Pregalvanized

BAYS



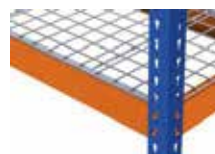
Chipboard panel.



Melamine.



Steel panel.



Wire mesh.

MAXIMUM LOADING (Chipboard panel of 16 mm. thickness).

Kg/level (U.D.L.)

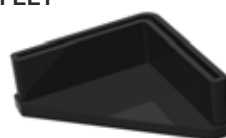
Depth	315 mm. - 468 mm. - 620 mm.				
Width	1.231 mm.	1.536 mm.	1.841 mm.	2.146 mm.	2.450 mm.
L	590 Kg/level	440 Kg/level	190 Kg/level	-	-
LA+A	770 Kg/level	640 Kg/level	420 Kg/level	-	-
LA+2A	-	680 Kg/level	450 Kg/level	-	-
U	960 Kg/level	706 Kg/level	536 Kg/level	400 Kg/level	250 Kg/level
UA+A	1100 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	772 mm. - 925 mm. - 1.229 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	420 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

13 TIE PLATE
PU1, PU1Z



14 PLASTIC FEET
CPN1



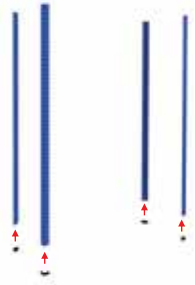
Riveto® 1 light

BOLTLESS

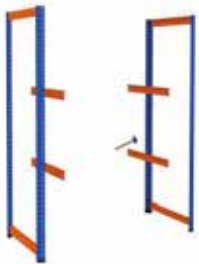


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



C - Fit the beams.



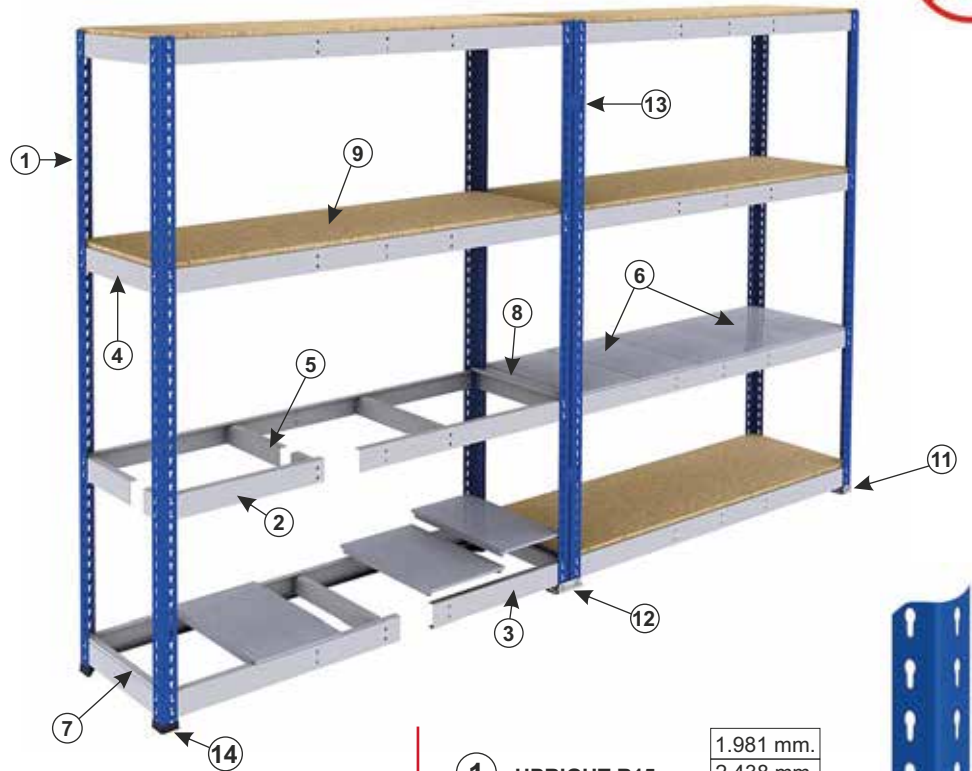
D - Fit the bracings.



E - Fit the chipboards.



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



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 SPR1 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 SIMPLE STEEL FEET CMS1Z



12 DOUBLE STEEL FEET CMD1Z



SHIM PLATES PNZ



UPRIGHT



BEAMS / CROSSBEAMS



STANDARD FINISHING



Blue - Orange



Grey - Grey



Blue - Grey



Pregalvanized

BAYS



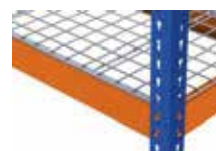
Chipboard panel



Melamine



Steel panel



Wire mesh

MAXIMUM LOADING (Chipboard panel of 16 mm. thickness).

Kg/level (U.D.L.)

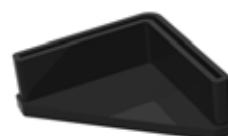
Depth	315 mm. - 468 mm. - 620 mm.				
Width	1.231 mm.	1.536 mm.	1.841 mm.	2.146 mm.	2.450 mm.
L	170 Kg/level	145 Kg/level	110 Kg/level	-	-
LA+A	590 Kg/level	440 Kg/level	285 Kg/level	-	-
LA+2A	-	471 Kg/level	305 Kg/level	-	-
U	350 Kg/level	290 Kg/level	225 Kg/level	175 Kg/level	120 Kg/level
UA+A	695 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	772 mm. - 925 mm. - 1.229 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 TIE PLATE
PU1/1,5 - PU1/1,5/Z



14 PLASTIC FEET
CPN1



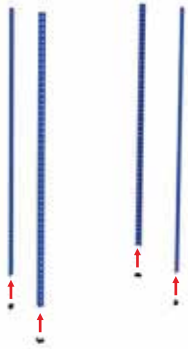
Riveto® 2

BOLTLESS

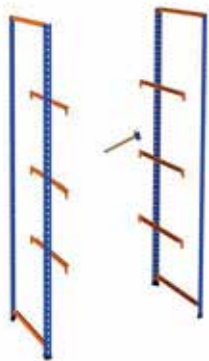


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



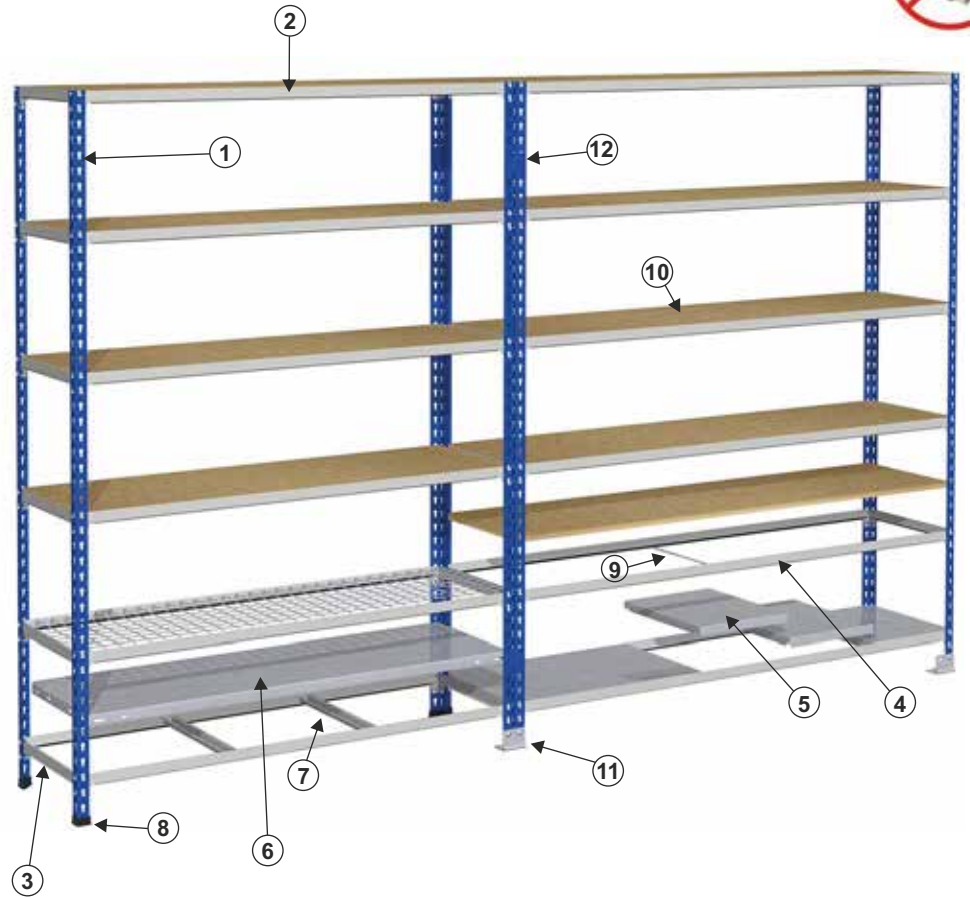
C - Fit the beams.



D - Fit de chipboards.



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



1 UPRIGHT R2 / R2 Z

1.981 mm.
2.438 mm.
3.048 mm.

1,8 mm. Thickness.



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.
V15	381 mm.
V18	456 mm.
V24	609 mm.
V30	731 mm.
V36	914 mm.



2 mm. Thickness.

4 BEAM VH / VH Z



For those cases where a tightening rod needs to be used.

H30	731 mm.
H36	914 mm.
H40	1015 mm.
H48	1219 mm.
H60	1524 mm.



5 STEEL PANEL R2



6 STEEL SHELF SZ



9 WIRE BRACING VH

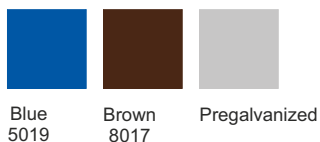


10 CHIPBOARD PANEL AGL



16 mm. Thickness.

UPRIGHT



BEAMS / CROSSBEAMS



STANDARD FINISHING



Grey - Grey



Blue - Grey



Brown - Grey



Brown - Brown



Pregalvanized

BAYS



Chipboard panel 16 mm.



Melamine



Steel panel



Wire mesh

MAXIMUM LOADING (Chipboard panel of 16 mm. Thickness).

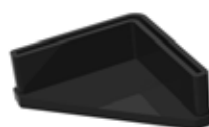
Kg/level (U.D.L.)

Depth	Uniform Load for Kg. for length Le				
	620 mm.	742 mm.	926 mm.	1026 mm.	1230* mm.
315 mm.	428 Kg/level	351 Kg/level	188 Kg/level	157 Kg/level	101 Kg/level
376 mm.	445 Kg/level	365 Kg/level	196 Kg/level	164 Kg/level	105 Kg/level
467 mm.	459 Kg/level	376 Kg/level	209 Kg/level	175 Kg/level	112 Kg/level
620 mm.	500 Kg/level	410 Kg/level	220 Kg/level	184 Kg/level	118 Kg/level
762 mm.	-	427 Kg/level	229 Kg/level	192 Kg/level	123 Kg/level
914 mm.	-	-	234 Kg/level	209 Kg/level	134 Kg/level

7 STEEL SHELF REFORCE



8 STEEL FEET CPN2



11 STEEL FEET CMR2



12 TIE PLATE PU2/PU2Z

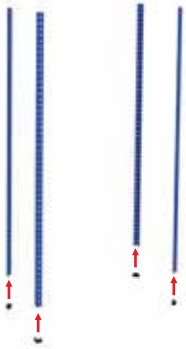




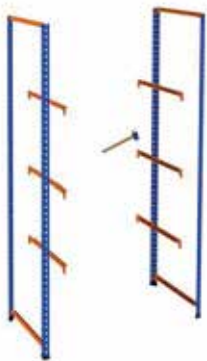
Riveto® 2 light

ASSEMBLY

A - Fit the plastic feet on the uprights.



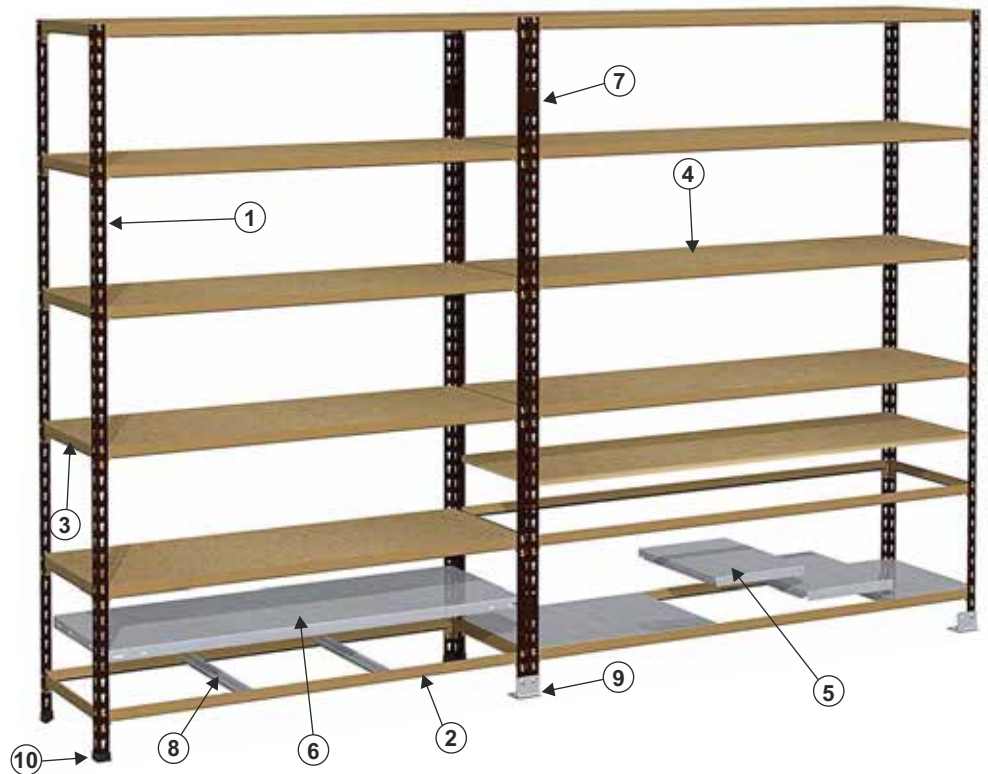
B - Fit the crossbeams.



C - Fit the beams.



D - Fit de chipboards.



① UPRIGHT R3 R3Z

1.981 mm.
2.438 mm.

1,5 mm. Thickness.



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



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

UPRIGHT



Blue 5019 Brown 8017 Pregalvanized

BEAMS / CROSSBEAMS



Brown 8024 Grey 7032 Pregalvanized

BAYS



Chipboard panel 16 mm.



Melamine



Steel panel



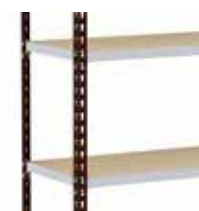
STANDARD FINISHING



Grey - Grey



Blue - Grey



Brown - Grey



Brown - Brown



Pregalvanized

MAXIMUM LOADING (Chipboard panel of 16 mm. Thickness).

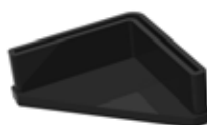
Kg/level (U.D.L.)

Depth	Uniform Load for Kg. for length LE				
	620 mm.	742 mm.	926 mm.	1026 mm.	1230 mm.
315 mm.	163 Kg/level	139 Kg/level	120 Kg/level	106 Kg/level	78 Kg/level
376 mm.	177 Kg/level	153 Kg/level	127 Kg/level	119 Kg/level	79 Kg/level
467 mm.	195 Kg/level	179 Kg/level	136 Kg/level	123 Kg/level	82 Kg/level
620 mm.	226 Kg/level	199 Kg/level	152 Kg/level	130 Kg/level	86 Kg/level
762 mm.	-	219 Kg/level	165 Kg/level	135 Kg/level	90 Kg/level
914 mm.	-	-	184 Kg/level	143 Kg/level	95 Kg/level

9 STEEL FEET CMR2



10 STEEL FEET CPN2



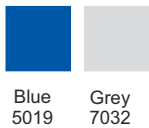
A two tier system shelving **Riveto® 1**

- 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.
- Mesh panels can be added to this system to avoid loading drops.

Example

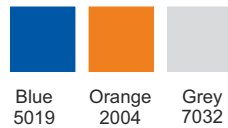
Floor area: 40 m.²
 Height of the system: up to 4,8 m.
 Warehousing area: 140 m.²

UPRIGHT



Blue 5019
 Grey 7032

BEAMS / CROSSBEAMS



Blue 5019
 Orange 2004
 Grey 7032



BAYS



Chipboard panel



Steel panel

Width (mm.)	1.231 - 1.536 - 1841
Depth (mm.)	468 - 620 - 773 - 926 - 1.230
Load*	Until 370 Kg.

*Kg/Level (U.D.L.). Chipboard panel of 16 mm. thickness.



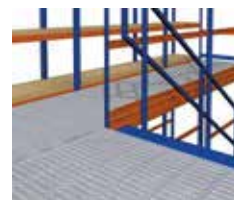
Sideways expansion



Expansion in depth



AISLES



Steel decking



Chipboard panel 30 mm.

Width (mm.)	Load
1.200 - 1.100 - 1.000 - 900 - 800	250 Kg/m ²



Spacer

Recommended for bays 2 m. and higher.

Distance from wall:
- 50 mm.
- 100 mm.




Storage box with lid


Hardened cardboard boxes designed for storage in Riveto shelves.

Measures:
420x335x270mm.





Dividers and ledges


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


Workstation with louvre back panel (drawers)



Workstation with louvre back panel



Workbench with drawers



Workbench with one drawer



Workstation with t-bar support



Workstation lower half shelf



Workbench with t-bar support



Work bench with lower half shelf



Tyre Rack

- Wheels can be added to this storage system.
- Dynamic and easy to carry.



Riveto Transport Cart



Ideal for the movement of manual loads in an easy and comfortable way. Equipped with welded mesh shelves and wheels.



Esnova

The **Strength** of simplicity

WE DESIGN AND MANUFACTURE STORAGE SYSTEMS
FROM THE MOST BASIC OPTION TO THE MORE SOPHISTICATED ONE

PLEASE ASK FOR OUR
CATALOGUES OR DOWNLOAD
THEM FROM OUR WEBSITE

www.esnova.com

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.



MULTI-DEVICE SOFTWARE



TECHNICAL INSPECTION OF RACKS

Keep your installations in perfect condition for use and within the current safety regulations.

Esnova Racks develops its technical inspection program with the guarantee of being a manufacturer of storage systems.

ESNOVA RACKS, S.A.

C/ Ataúlfo Frieria "Tarfe", N° 5 · Pol. Ind. Los Campones - Tremañes
33211 · Gijón (Asturias - Spain)

+34 985 308 980

info@esnova.es



Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



www.tuv.com
ID 9105076955

