

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 **35 COUNTRIES**



EXPERIENCE

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

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

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.



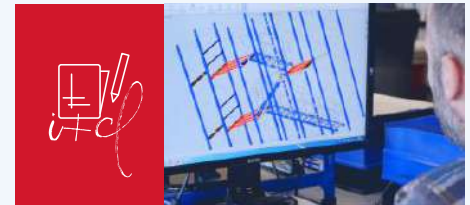
Technology

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



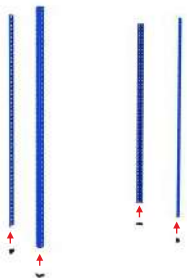
Riveto® 1

BOLTLESS

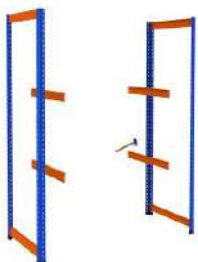


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



C - Fit the beams.



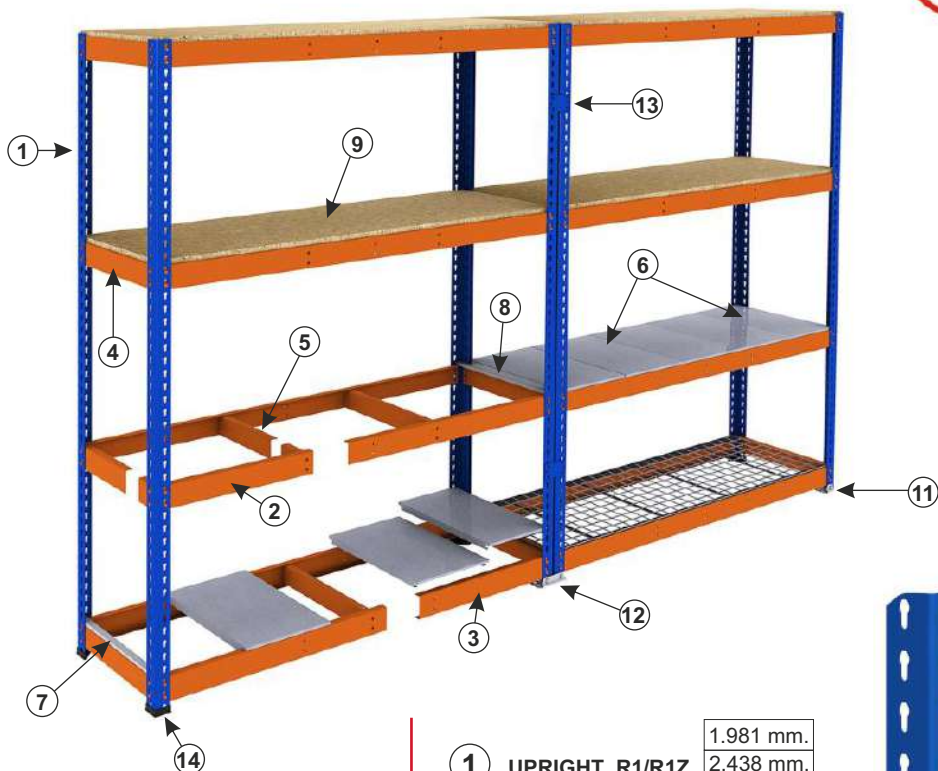
D - Fit the bracings.



E - Fit the chipboards.



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



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

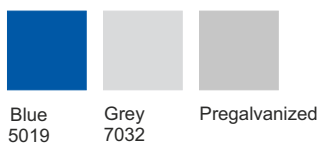


SHIM PLATES PNZ

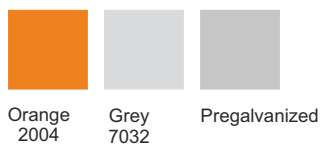
12 DOUBLE STEEL FEET CMD1Z



UPRIGHT



BEAMS / CROSSBEAMS



STANDARD FINISHING



Blue - Orange



Grey - Grey



Blue - Grey



Pregalvanized

BAYS



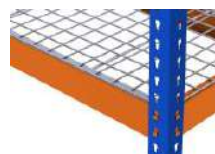
Chipboard panel.



Melamine.



Steel panel.



Wire mesh.

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

Kg/level (U.D.L.)

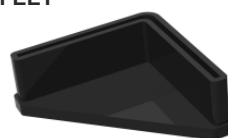
| Depth | 315 mm. - 468 mm. - 620 mm. | | | | |
|-------|-----------------------------|---------------|--------------|--------------|--------------|
| Width | 1.231 mm. | 1.536 mm. | 1.841 mm. | 2.146 mm. | 2.450 mm. |
| L | 590 Kg/level | 440 Kg/level | 190 Kg/level | - | - |
| LA+A | 770 Kg/level | 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



14 PLASTIC FEET CPN1



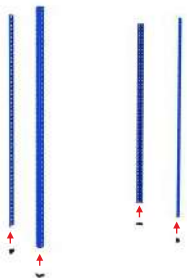
Riveto® 1 light

BOLTLESS

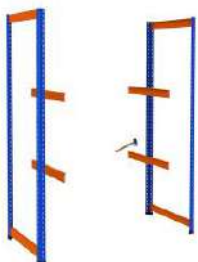


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



C - Fit the beams.



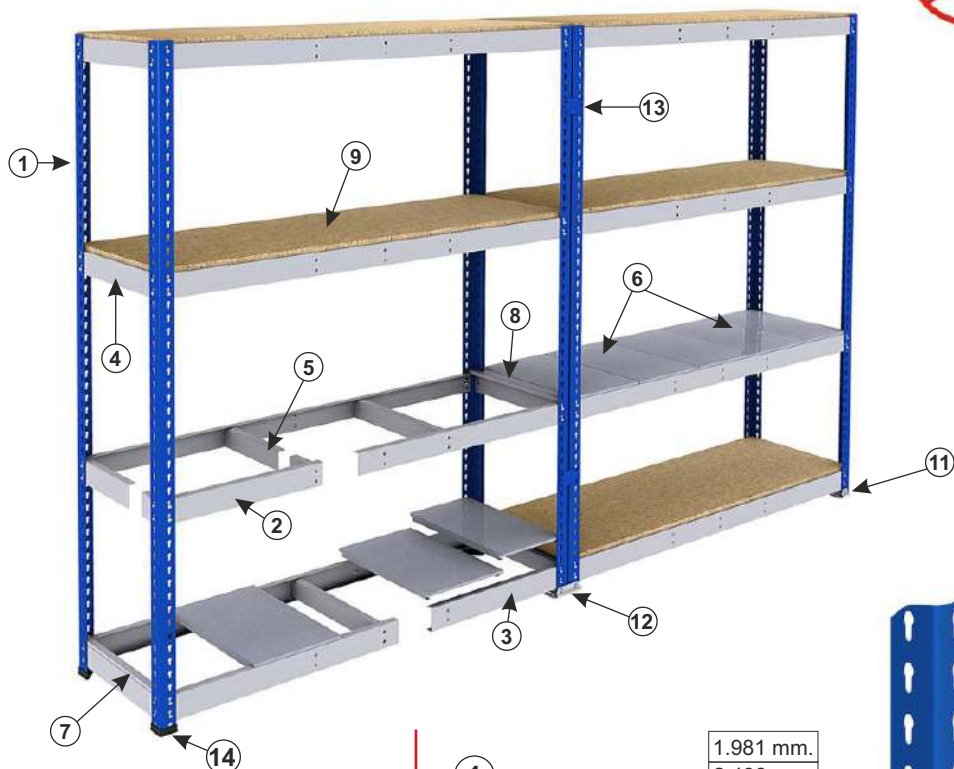
D - Fit the bracings.



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



SHIM PLATES PNZ



12 DOUBLE STEEL FEET CMD1Z



UPRIGHT



BEAMS / CROSSBEAMS



BAYS



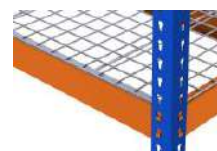
Chipboard panel



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 |

STANDARD FINISHING



Blue - Orange



Grey - Grey



Blue - Grey

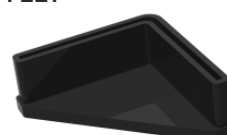


Pregalvanized

13 TIE PLATE PU1



14 PLASTIC FEET CPN1



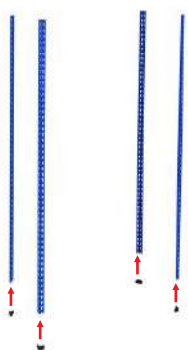
Riveto® 2

BOLTLESS

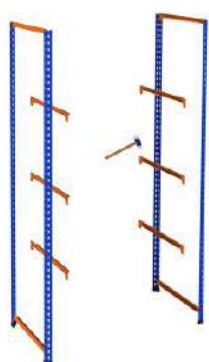


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



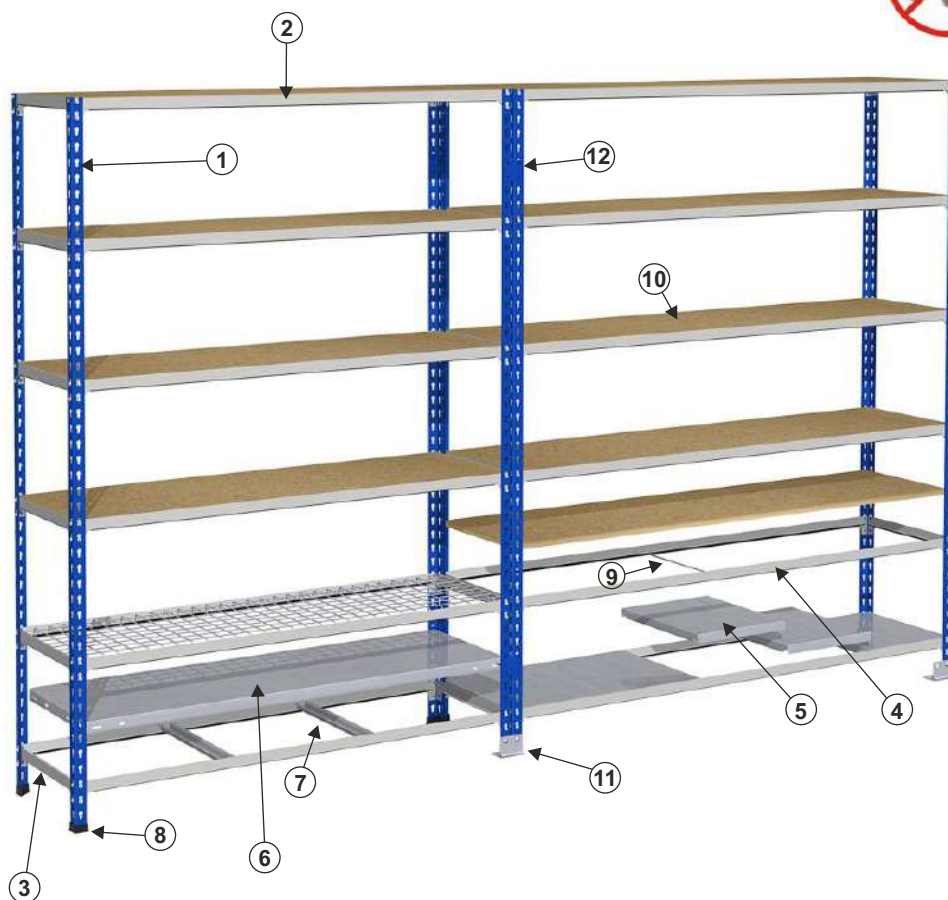
C - Fit the beams.



D - Fit the 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

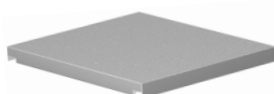


For those cases where a tightening rod needs to be used.

| | |
|-----|----------|
| 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



Blue 5019 Brown 8017 Pregalvanized

BEAMS / CROSSBEAMS



Brown 8024 Grey 7032 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 |

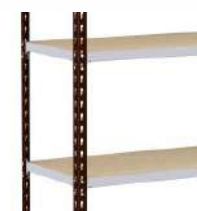
STANDARD FINISHING



Grey - Grey



Blue - Grey



Brown - Grey



Brown - Brown

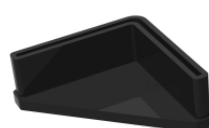


Pregalvanized

7 STEEL SHELF REFORCE



8 STEEL FEET CPN2



11 STEEL FEET CMR2

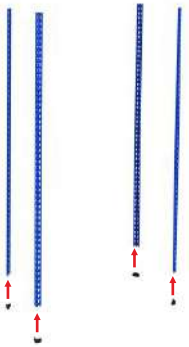


12 TIE PLATE PU2/PU2Z

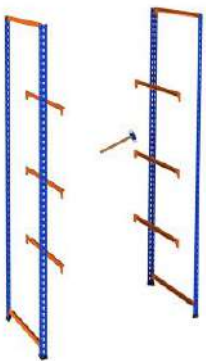


ASSEMBLY

A - Fit the plastic feet on the uprights.



B - Fit the crossbeams.



C - Fit the beams.



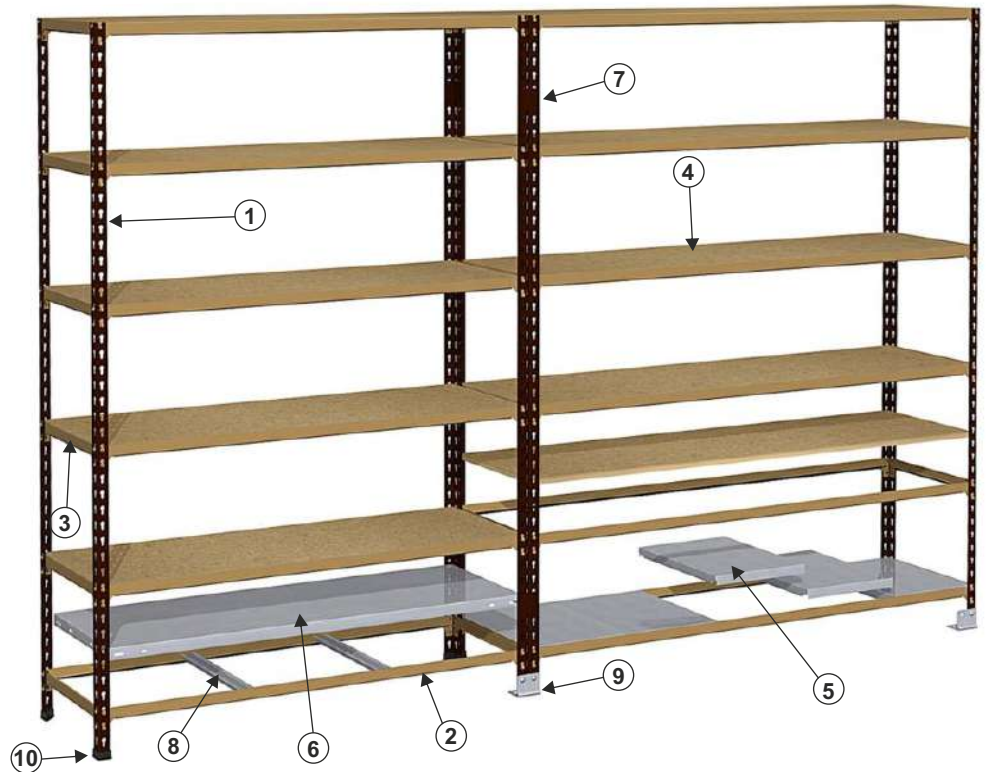
D - Fit de chipboards.



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

Riveto® 2 light

BOLTLESS



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.

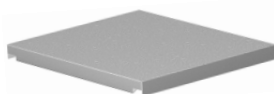


④ CHIPBOARD PANEL AGL

16 mm. Thickness.



⑤ STEEL PANEL R3



⑥ STEEL SHELF SZ



⑦ TIE PLATE PU3 / PU3Z



⑧ STEEL SHELF REFORCE



UPRIGHT



Blue 5019 Brown 8017 Pregalvanized

BEAMS / CROSSBEAMS



Brown 8024 Grey 7032 Pregalvanized

BAYS



Chipboard panel 16 mm.



Melamine



Steel panel



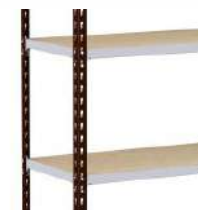
STANDARD FINISHING



Grey - Grey



Blue - Grey



Brown - Grey



Brown - Brown



Pregalvanized

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

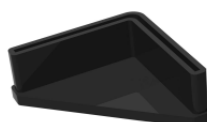
Kg/level (U.D.L.)

| Depth | Uniform Load for Kg. for length L _E | | | | |
|---------|--|--------------|--------------|--------------|-------------|
| | 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



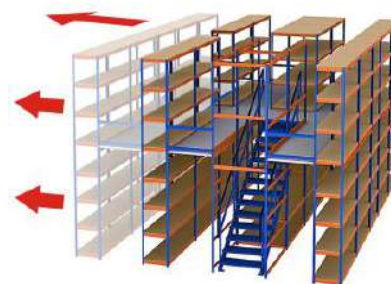
Steel panel

| | |
|-------------|-------------------------------|
| 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.



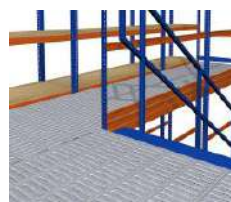
Sideways expansion



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

Riveto with wheels

- 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.



Hanging-reel



Shelf for hanging folders



Garment shelving



Packing station



Large packing station



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



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

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ID 9105076955



ESNOVA SOFTWARE WHAREHOUSE MANAGEMENT SOFTWARE

¿HOW TO ORGANIZE A WHAREHOUSE?

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

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