



Metal Point

Boltless Shelving





Metal Point Boltless Shelving

Storage-related processes have become a strategic element in supply chain management, and therefore in the creation of value in business.

Moreover, a detailed study of the needs and operations performed in a warehouse is essential in order to optimise space and thus reduce costs and time taken to prepare orders.

Installing Metal Point boltless shelving makes this reduction in cost and time possible. In addition to being a highly versatile and adaptable system, it is easy to keep goods well ordered thanks to the wide range of models and accessories available.

The Mecalux Group has more than 50 years' experience in the installation of storage systems and equipment across all sectors of the market, using the most advanced technology in the industry.



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Metal Point boltless shelving can be adapted for endless uses and applications in your warehouse, office, or home... For any kind of load that you need to store, and keep in perfect order, there is a Metal Point shelf for you!

Features of Metal Point Shelving

A boltless storage system that can be easily adapted to any setting, from the warehouse to your home.

At the forefront of structural design, calculation and testing, in accordance with the latest FEM standards, Metal Point shelving is the perfect choice in both small and large installations.

Thanks to the quality of the steel, the advanced manufacturing systems and its simple yet exclusive assembly, Metal Point shelving is far superior to other picking systems on the market.





Advantages

- 1 Easy to assemble**
 All of the pieces fit perfectly together, quickly and easily, using just a plastic or rubber mallet, without any need for bolts.
- 2 Fully modular**
 Extra modules or additional levels with raised walkways can be added, making installation possible in any location or for any business.
- 3 Versatile**
 There are Metal Point shelves for all loads and weights.



- 4 Great durability**
 A coat of polyester-epoxy paint at least 50 to 75 microns thick guarantees a long-lasting, perfect finish.



Heavy-Duty Metal Point Shelving

Ideal for storing heavy items or products in your warehouse, workshop, store, business, office or any other industrial premises. Metal Point is available in a variety of sizes and can be adapted to suit any need.

The simple structure makes it possible to install several load levels, up to a maximum height of 3.048 mm, and allows for easy extension of the warehouse's length simply by adding as many modules as necessary.

Chipboard panels are the most commonly used, as these can hold loads of up to 960 kg per level, when loads are evenly distributed.

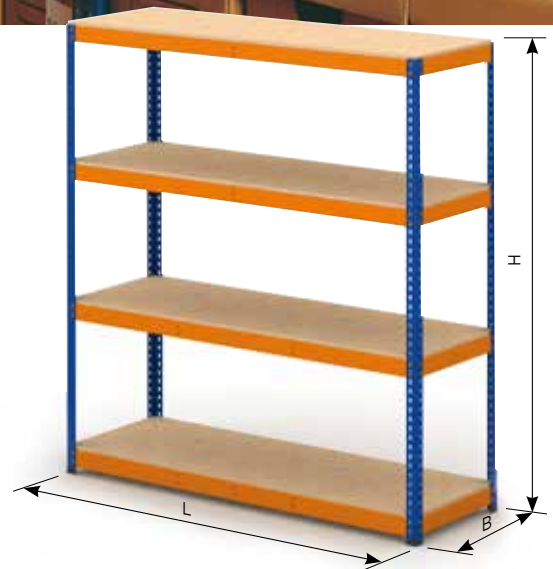


Standard colours

Upright



Beam



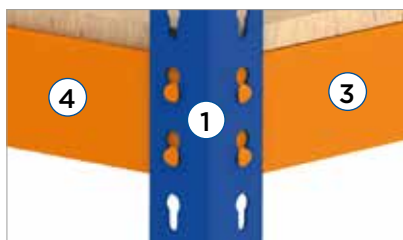
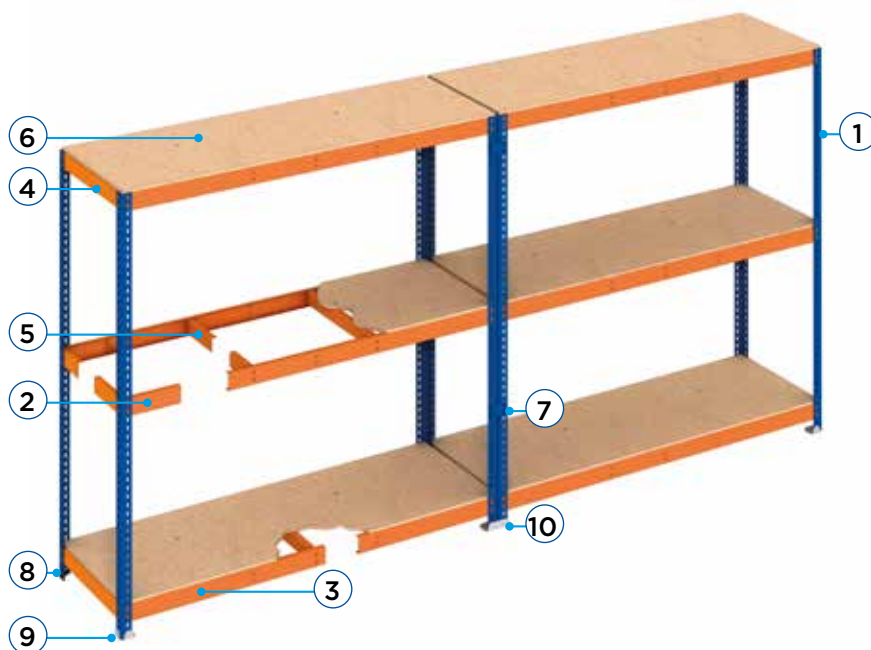
Maximum load

MPPlus Shelving (2 mm-thick upright)						MP15 Shelving (1.5 mm-thick upright)					
HEIGHT (H) : 1,981 / 2,438 / 3,048 MM						HEIGHT (H) : 1,981 / 2,438 / 3,048 MM					
FOR DEPTHS (B) DE 468 / 621 MM						FOR DEPTHS (B) DE 468 / 621 MM					
LENGTH (L)	1,231	1,536	1,841	2,146	2,450	LENGTH (L)	1,231	1,536	1,841	2,146	2,450
N LE	590	440	190	-	-	N LE-15	170	145	110	-	-
N LE+N STS	770	640	420	-	-	N LE+N STS-15	770	440	285	-	-
N LE+2 N STS	-	680	450	-	-	N LE+2 N STS-15	-	-	305	-	-
N CLE	960	706	536	400	250	N CLE-15	350	290	225	175	120
N CLE+N STS	1,100	800	610	577	545	N CLE-15+N STS-15	695	630	560	465	370
N CLE+2 N STS	-	1,000	700	600	560	N CLE-15+2 N STS-15	-	-	-	-	380
FOR DEPTHS (B) DE 773 / 926 / 1,231 MM						FOR DEPTHS (B) DE 773 / 926 / 1,231 MM					
LENGTH (L)	1,231	1,536	1,841	2,146	2,450	LENGTH (L)	1,231	1,536	1,841	2,146	2,450
N LE	467	344	200	-	-	N LE-15	195	165	110	-	-
N LE+N STS	800	640	420	-	-	N LE-15+N STS-15	445	450	315	-	-
N LE+2 N STS	-	640	470	-	-	N LE-15+2 N STS-15	-	-	350	-	-
N CLE	760	560	420	323	200	N CLE-15	490	395	305	220	125
N CLE+N STS	920	820	720	620	500	N CLE-15+N STS-15	540	575	540	470	405
N CLE+2 N STS	-	1,050	800	660	570	N CLE-15+2 N STS-15	-	-	-	-	-

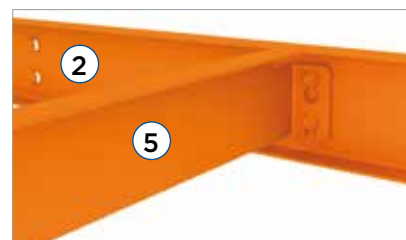
Evenly distributed load in kg/level. Dimensions in mm.

Basic components

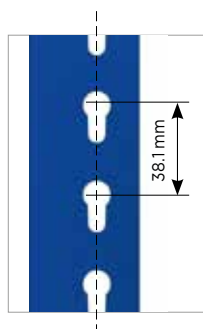
1. Bracket
2. N LE beam
3. N CLE beam
4. Cross-tie
5. Bracing
6. Chipboard panel
7. Bracket union
8. Plastic footplate
9. Single metal footplate
10. Double metal footplate
11. Shim plate



Joint between bracket (1), cross-tie (4) and beam (3)



Joint between beam (2) and bracing (5)



Bracket

A slotted L-shaped piece into which the beams are fitted.

Its dimensions are 48 x 48 mm with a steel thickness of 1.5 or 2 mm. The height varies depending on requirements.

8

Plastic footplate

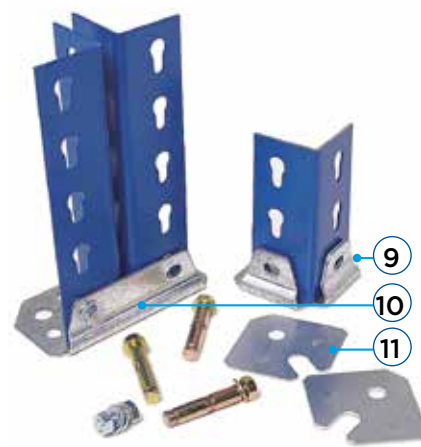
Fitted to the base of the uprights, this ensures the structure is well supported, and avoids direct contact between the uprights and the floor.



Metal footplates

Placed under the bracket as a supporting piece, distributing the load evenly on the floor, these pieces are used instead of plastic covers for heavy loads.

There are two models: single (9) and double (10). The single model has only one bracket, while the double connects the brackets of two different modules.



Shim plates (11)

These plates are placed under the metal footplates when the shelving needs to be adjusted to sit flush on the floor.

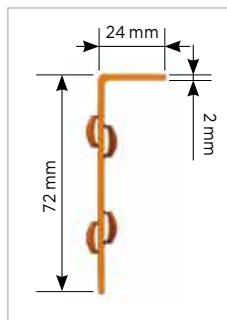


Heavy-Duty Metal Point Shelving

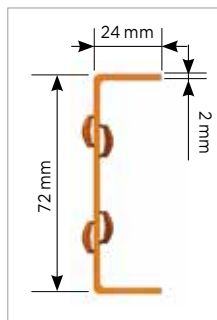


N LE and N CLE beams

These profiles are fitted to the uprights and used to support the panels. One or the other is used depending on whether the panels are made of wood or metal.



N LE Beam

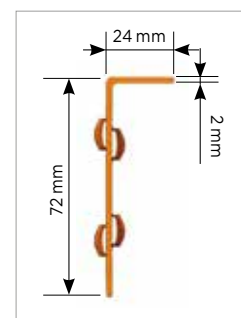


N CLE Beam

Cross-tie

This profile is used to join the brackets, to ensure structural rigidity. It is also used for support.

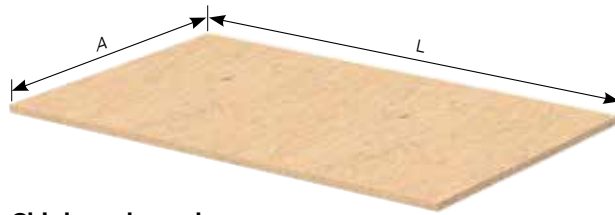
The most common lengths are: 468, 621, 773, 926 and 1,231 mm.



Beam length

NLE	NCLE
1,231	-
1,536	-
1,841	2,146
-	2,450

Length in mm.



Chipboard panels

16 mm thick panels that are placed on NLE beams.

Dimensions of the panels

WIDTH (A)	LENGTH (L)
316	1,231/1,536/1,841/2,146/ 2,450
468	1,231/1,536/1,841/2,146/ 2,450
621	1,231/1,536/1,841/2,146/ 2,450
773	1,231/1,536/1,841/2,146/ 2,450
926	1,231/1,536/1,841/2,146/ 2,450

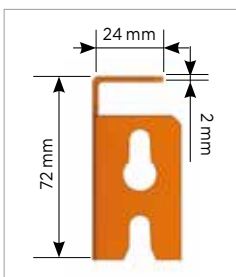
Dimensions in mm.



Bracing

This piece is placed across the beams to reinforce the panels, preventing them from becoming bowed. Chipboard panels are generally braced in the middle of the beam.

The most common lengths are: 468, 621, 773, 916 and 1,231 mm.



Spacer

A piece of galvanised metal used to fix the shelving to the wall. It is secured in position by a locking pin, which holds the spacer and bracket together in the event of sudden movements.

Bracket union

This piece is used to join two modules together lengthwise, ensuring correct alignment and spacing while guaranteeing the structural rigidity in this plane.



Locking pin

Spacer

Applications

The versatility of this system offers a wide range of solutions, such as shelves, benches, tables, cupboards and more..

Workbenches and tables

Mecalux offers many combinations of the Metal Point Plus system that can be adapted to suit any need, available in a wide variety of sizes and capable of carrying loads of up to 450 kg.

With Metal Point Plus workbenches, you will be able to organise all of your tools with ease.



Workbench with shelves and footrest



Workbench with footrest



Workbench with tool cabinet



Packaging bench



Work table with footrest



Shelf unit with drawers



Mesa de trabajo



Mesa de trabajo con panel de herramientas



Auxiliary table with wheels



Tool cabinet



Tyre racks

The sturdy construction of these racks makes them ideal for storing car tyres.



Single tyre rack



Double tyre rack

Shelves for upright storage

Mecalux also offers a Metal Point Plus shelf type for storing paper, cardboard, hanging garments, etc.



Upright storage of items



Shelves for hanging garments or other items






Medium-Duty Metal Point Shelving






An attractive design means that these shelves can be adapted for any setting where items of medium weight need to be stored.

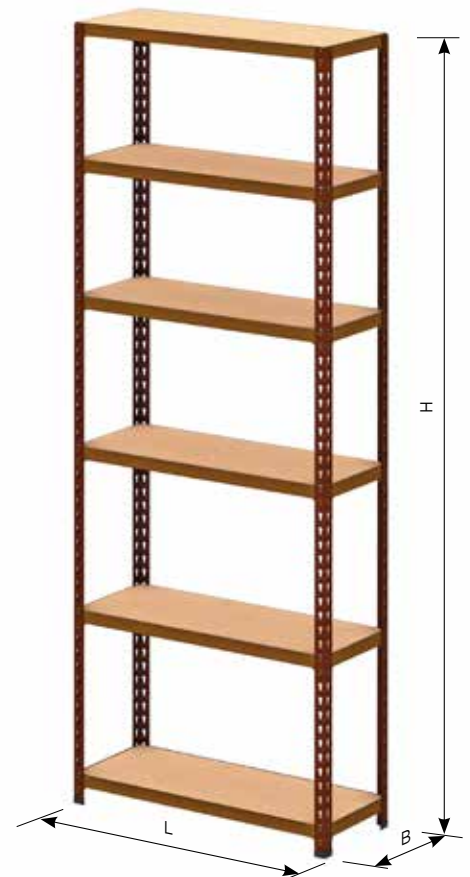
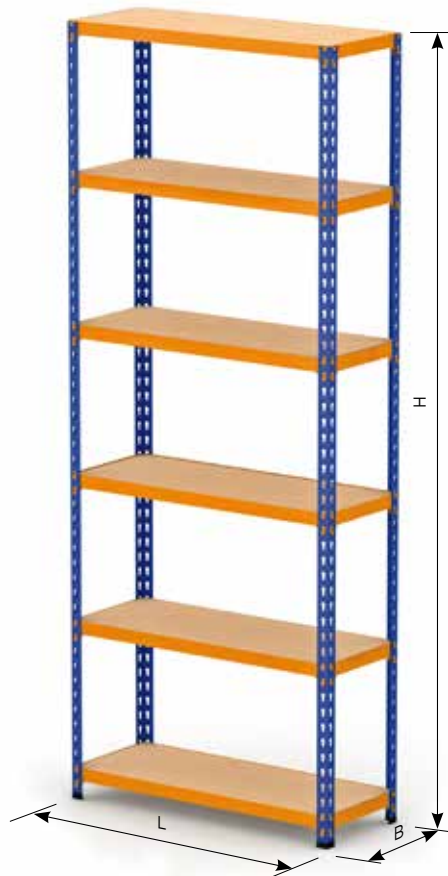
Standard colours

Upright

-  RAL 5019
-  RAL 8017
-  RAL 7032

Beam

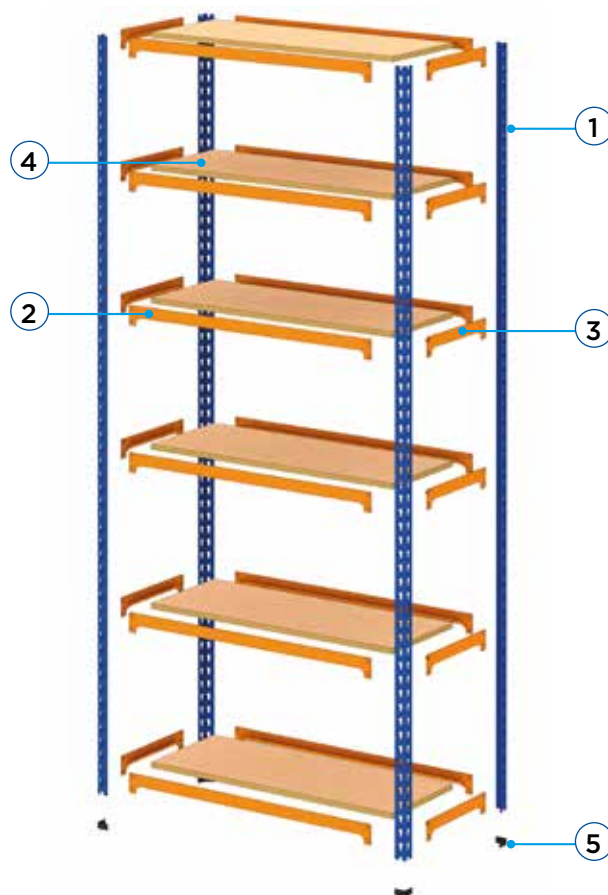
-  RAL 8024
-  RAL 2004
-  RAL 7032



Maximum load

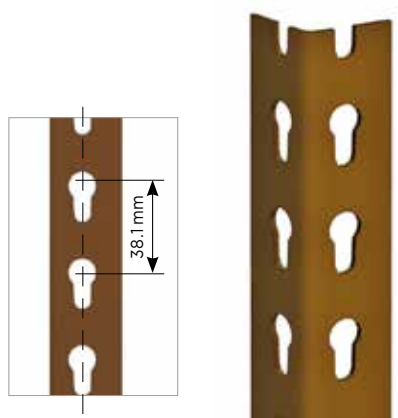
HEIGHT (H) : 1,981 / 2,438 / 3,048					
DEPTH (B)	WIDTH (L)				
	621	743	926	1,027	1,231
377	500	468	340	275	200
468	500	468	340	275	200
621	500	468	340	275	200
743	-	468	340	275	200
926	-	-	340	275	200

* Evenly distributed load in kg/level. Dimensions in mm.



Basic components

1. Bracket
2. Beam
3. Cross-tie
4. Chipboard panel
5. Plastic footplate



Bracket

A slotted L-shaped piece into which the beams are fitted. It differs from the heavy-duty brackets in terms of its size: 31.7 x 31.7 mm with a steel thickness of 1.8 mm.

These uprights can reach a maximum height of 3,048 mm.



Spacer

A metal piece used to fix the shelf to the wall.



Plastic Footplate

Placed on the bottom of the bracket to cushion its contact with the floor.



TE-2 Union

This is the metal piece that joins the uprights of two different modules, aligning them and ensuring the rigidity of the structure.



Beam

This is the profile which is fitted to the bracket, used to bear the horizontal load. Its function is not only to join two uprights, but also to create a level and support the panel on which the load rests.

The lengths of this beam are: 743, 926, 1,027 y 1,231 mm.



Cross-tie

A short profile used to join the two brackets which hold the load-bearing beams, to ensure structural rigidity.

The most common lengths are: 316, 377, 468, 621 y 743 mm.



Wooden panel

Available in different sizes to suit any need.

It can be made from bare chipboard.

Load capacities

WIDTH	LENGTH			
	743	926	1,027	1,231
377	468	340	275	200
468	468	340	275	200
621	468	340	275	200
743	468	340	275	200
1,231	-	340	275	200

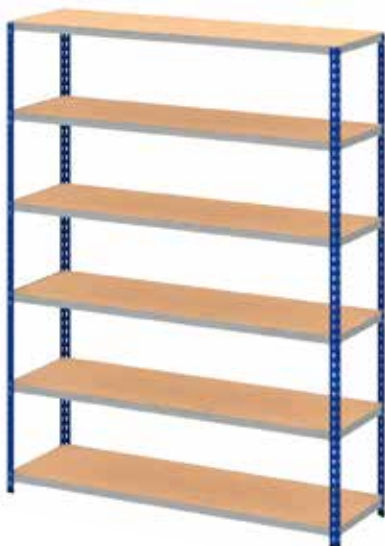
Evenly distributed load in kg/level.
Dimensions in mm.



Applications

Medium-duty Metal Point shelving has numerous applications thanks to the wide range of accessories available. This makes it extremely versatile, and it can be used in virtually any setting.

Wine storage racks
Metal Point light-duty shelving is also ideal for storing bottles of wine.





HEAD OFFICE - SPAIN - Silici, 1 - 08940 Cornellà de Llobregat - Barcelona
Tel. +34 932 616 913 – info@mecalux.com – mecalux.com

EUROPE

BELGIUM

Tel. +32 2 346 90 71
info@mecalux.be
mecalux.be

CZECHIA

Tel. +420 222 524 240
info@mecalux.cz
mecalux.cz

CROATIA

Tel. +386 41 379 122
pisarna@mecalux.com
mecalux.hr

FRANCE

Tel. +33 01 60 11 92 92
info@mecalux.fr
mecalux.fr

GERMANY

Tel. +49 (0) 2133 5065 0
info@mecalux.de
mecalux.de

ITALY

Tel. +39 02 98836601
info@mecalux.it
mecalux.it

NETHERLANDS

Tel. +31 208 08 30 96
info@mecalux.nl
mecalux.nl

POLAND

Tel. +48 32-331 69 66
info@mecalux.pl
mecalux.pl

PORTUGAL

Tel. +351 21 415 18 90
info@mecalux.pt
mecalux.pt

ROMANIA

Tel. +40 753 098 246
romania@mecalux.com
mecalux.ro

SLOVAKIA

Tel. +421 220 545 117
obchod@mecalux.com
mecalux.sk

SLOVENIA

Tel. +386 41 379 122
pisarna@mecalux.com
mecalux.si

TURKEY

Tel. +90 216 706 10 15
info@mecalux.com.tr
mecalux.com.tr

UNITED KINGDOM

Tel. +44 0121 3336 602
info@mecalux.co.uk
mecalux.co.uk

AMERICA

ARGENTINA

Tel. +54 (11) 4006-4444
info@mecalux.com.ar
mecalux.com.ar

BRAZIL

Tel. +55 19 3809-6800
info@mecalux.com.br
mecalux.com.br

CHILE

Tel. +56 (2) 2827 6000
info@mecalux.cl
mecalux.cl

COLOMBIA

Tel. +57 1 488 1803
info@mecalux.com.co
mecalux.com.co

MEXICO

Tel. +52 800 030 0185
info@mecalux.com.mx
mecalux.com.mx

URUGUAY

Tel. +598 2683-8879
info@mecalux.com.uy
mecalux.com.uy

USA

Tel. 1-877-632-2589
info@interlakemecalux.com
interlakemecalux.com

