Simplos
Modular shelving for picking
Modular Simplos shelving is a multi-purpose storage solution for: small-sized equipment or businesses, up to the most complex industrial installations.

Simplos modular shelving is the best solution for all types of manually handled light and medium item storage.

Their improved design is a major step up from basic metallic shelves, besting issues like higher load capacity, reduced bolt usage, and real-time freedom to change shelf levels.

This system comprises a range of accessories, such as drawers, dividers, doors, hanging file frames, garment rails, countertops, etc., which allow the creation of infinite storage possibilities. Its basic components assemble together to provide high-strength, rigid modular shelving.
Space savings
Simplos shelving offers convenient high-capacity storage. Its modular flexibility, range of add-ons and diverse shelf sizes provide optimised product slotting.

Versatility
- **Adjustable shelves:** shelf panels inserted into each level can be adjusted an unlimited number of times, without any tools.
- **Set up your system with various add-ons** (side panels, drawers, doors, etc.), to create multiple design variants that adapt to different load types and weights.
- **High load capacity.** The model with galvanised sheet metal shelves holds up to 280 kg of load per level.
- **Scalable:** extend your units in height, length and width.
- **Combinalbe:** designed to easily combine with other hand-pick system or those to store pallets.
- **Their professional look** means they are highly-suited to any setting: industrial, office, retail, etc.

Time savings
Since each shelf level can be adapted to the product it is meant to store, this dramatically streamlines hand-pick tasks.

Additionally, its quick, easy assembly and reconfiguration are tremendous time savers.

The Mecalux Guarantee
Simplos modular shelving fulfil the standards related to metal storage racks, while also ensuring the quality of steel used and the finish of all components, providing the shelf a long service life.

All components go through tests and quality controls to guarantee a simple, safe assembly, as well as to make sure the unit is stable and rigid with all its parts perfectly assembled.

Safety
Mecalux puts all materials, components and accessories of the Simplos picking shelves through strict quality tests and trials. By doing so, and despite their apparent simplicity, they include diverse components designed to make them highly-safe for the personnel that work in your installation, for the shelves and the goods they hold.

Advantages
Affordable shelves that seamlessly combine aesthetics and functionality, adapting to any space and product
Components

1. Upright
2. Footplate
3. Cross-tie
4. Beam
5. Shelf
6. Slotted shelf
7. Side panel
8. Plinth
9. Bracing
10. Side cladding
11. Back panel
12. Shelf support clip
13. Fixing clips
14. Shelf retainer
15. PR Divider
16. Drawers
17. Drawer guides
18. Door panel
**Beams**

These rolled profiles have built-in hooks on each end. The hooks are inserted into the slots on the uprights and support the MS Shelves, increasing its loads capacity. When cross bracing and back panels are not used, the fitting of shelf beams will provide greater rigidity.

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**Uprights**

These are the vertical load-bearing parts of the shelf. Simplos uprights are closed T-shaped profiles with slots every 25 mm down the sides, for easy insertion of shelves and other accessories. Their maximum height can be up to 12 m, manufactured in lengths of 50 mm.

If you need a taller model, two uprights can be spliced together, or we can make you a made-to-measure module. The system comes in two finishes: galvanised or RAL 5003 blue (cataphoresis paint process).

**Footplates**

These parts go on the bottoms of the uprights, giving the shelving units floor support. Double or single metallic models are available. One footplate or another is used, depending on the load it needs to support, as well as the need to anchor the upright to the floor, or not.

**Cross-ties**

Cross-ties provide the crosswise stability the shelves need. These rectangular steel pieces come in variable lengths and are 120 mm high. Bolts are used to attach them to the uprights. They are available in a galvanised Sendzimir finish.
Shelves

Highly-resistant HD Shelves
Thanks to its single-piece manufacturing, these shelves are especially suited to holding medium to heavy loads. Made of galvanised Sendzimir sheet metal, they have a multi-folded design with a RAL 7035 Grey finish. They are available in either smooth or slotted variations for the placement of vertical dividers.

Moreover, these shelves have label channels that run down the front for placing cardholders.

Two types of shelves are available:

MS Shelves
These metallic, rectangular shelves have variable sizes, lengths and widths, and are 35 mm high. They click into 4 supports on the uprights, or rest directly on the beam or plinth, boosting the load capacity considerably, which can be up to 225 kg per shelf.

HM Shelves
These 0.7 mm thick panels, made of high-strength galvanised sheet metal, are folded 26 times during the manufacturing process. Attach them to the shelf uprights with 4 shelf supports. They can be reinforced and have a load capacity of up to 280 kg per shelf.

Mesh shelves
Designed for the free flow of water, these are highly-suited to installations that require a fire-fighting system.

The shelf rests directly on the beam without any other support piece.
**Fixing clips**

These rectangular metal panels are used to divide shelf levels into different compartments. Each has pivots on the corners, which slide into the slots of the shelf panels. Dividers slot separately and can be moved freely to a more suitable position. Both their height and length come into play. They are manufactured with a galvanised Sendzimir finish.

**Side panels**

These variable-sized rectangular metal panels close off the sides of the shelf unit, creating compartments for better product sorting. Its sides are slotted so they can be screwed onto the uprights. They come in either smooth sheet metal or mesh, and have a galvanised Sendzimir finish.

**Shelf retainers**

These rectangular runners stop stored objects from falling off the racks, both from the back and front. Use fixing clips to attach them easily to the uprights. They are available in different lengths that adapt to the shelves, and can be 40, 100 and 200 mm high. They are manufactured in a RAL 7035 Grey finish.

**Back panels**

These rectangular metal panels have the same characteristics as the side panels. They provide lengthwise stability, as well as a separation between shelves. Fixing clips help attach the panels to the uprights.

**Fixing clips** are brown plastic pieces that click into the upright’s slots and join different accessories to the racks.

**Mesh side panel**

**Smooth side panel**

**Fixing clip**

**Back panel**

**Dividers**

**Shelf retainers**

**Back panels**

**Dividers**

These rectangular metal panels are used to divide shelf levels into different compartments. Each has pivots on the corners, which slide into the slots of the shelf panels. Dividers slot separately and can be moved freely to a more suitable position. Both their height and length come into play. They are manufactured with a galvanised Sendzimir finish.
Plinth
These rolled profiles are specially designed to be placed at the base of the shelf. They prevent dirt from accumulating, bring stability to the unit and help give it a nice finish.

Splice unions
PS splice unions fit onto the tops of the uprights to extend the shelf in height.

Side panels
These rectangular metal sheets fit between the outer lateral edge of shelf uprights, substituting the cross-ties and metal side sheeting. Units have a better professional finish by enclosing both sides of the shelves. Panels can be smooth or slotted and come in various sizes: 2 and 2.5 m high, by 300, 400 and 500 mm deep. They are manufactured in a RAL 7035 Grey finish.

Garment rail set
Designed to hang garments or to hold cylinders or odd-shaped items. Each rail is attached to the uprights by two supports and without any extra accessory needed for its assembly. It adjusts to 500 and 600 mm deep shelves, and 900, 1,000 and 1,200 mm long units.
Drawers

These seamless, boltless rectangular totes are made from galvanised sheet metal, making them ideal for sorting small-sized materials.

Drawer fronts are equipped with moulded handles and slots to insert labels. The backside includes stops to avoid the drawer from falling out when opened. Its sides are slotted every 50 mm to place optional drawer dividers. They come in 4 sizes:

- 200 mm x 110 mm
- 200 mm x 70 mm
- 134 mm x 70 mm
- 100 mm x 70 mm

In all these cases, they can be either 300, 400 or 500 mm deep.

Drawer guides. These guides made of plastic are inserted directly into the lower panel to guide the drawers.

Drawer dividers. These galvanised sheet metal pieces are used to obtain different volume spaces inside the same drawer. Dividers are fully removable and do not need any extra accessories.

Hanging files

They can be organised according to three systems:

Hanging file shelf. Folders hung from this shelf hang from underneath the panel. This type of shelf is incompatible with beams and plinth. The space needed to hang and take folders out must be taken into account in the height between the levels. They come in a RAL 7035 Grey finish.

Hanging file frame. Instead of installing a shelf, this support is placed to hold hanging folders. They are manufactured in two depths, 400 and 500 mm. Plus, they can be placed in different positions to adjust to the folder’s size and shape, adapting to the majority of available folder styles. It has a RAL 7035 Grey finish.

Pull out file frame. In shelves meant to store hanging files, this type of support should only be placed in the first two levels, to facilitate access and reading of archived documents. It is available for 400 mm deep shelves and lengths of 900, 1,000 and 1,200 mm. The folders can be stored lengthwise or crosswise. It has a RAL 7035 Grey finish.
Simplos modular shelving and the large number of accessories in this system (drawers, dividers, side panels, file shelves and hangers, etc.) open up a wide possibility of applications: from a small-side operation or retail setting, up to more complex industrial warehouses.

The possibility of enabling gangways and stairs increases its range of applications, since two or more storey installations can be set up, making full use of the available storage space. The recommended height ranges from 2.20 to 2.50 m.

These gangways offer the potential to install diverse types of decking, such as chipboard or perforated metal. Decking facilitates the integration of this system in all kinds of settings: from space meant for offices to a warehouse focused on order picking.

Chipboard  Melamine chipboard  Corrugated metal  Perforated metal  Open grate mesh
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

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

SLOVAKIA  
Tel. +421 220 545 117  
info@mecalux.sk  
mecalux.sk

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 01 8000 423 553  
info@mecalux.com.co  
mecalux.com.co

MEXICO  
Tel. +52 (664) 647 22 00  
info@mecalux.com.mx  
mecalux.com.mx

PERU  
Tel. +51 (1) - 323 4646  
info@mecalux.pe  
mecalux.pe

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

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

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