



# 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.



# Advantages

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

1

## Space savings

Simplos shelving offers convenient high-capacity storage. Its modular flexibility, range of add-ons and diverse shelf sizes provide optimised product slotting.

2

## 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.
- **Combinable:** 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.



3

## 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.

5

## 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.

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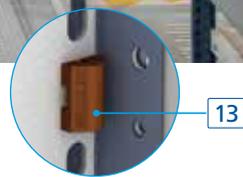
## The Mecalux Guarantee

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.

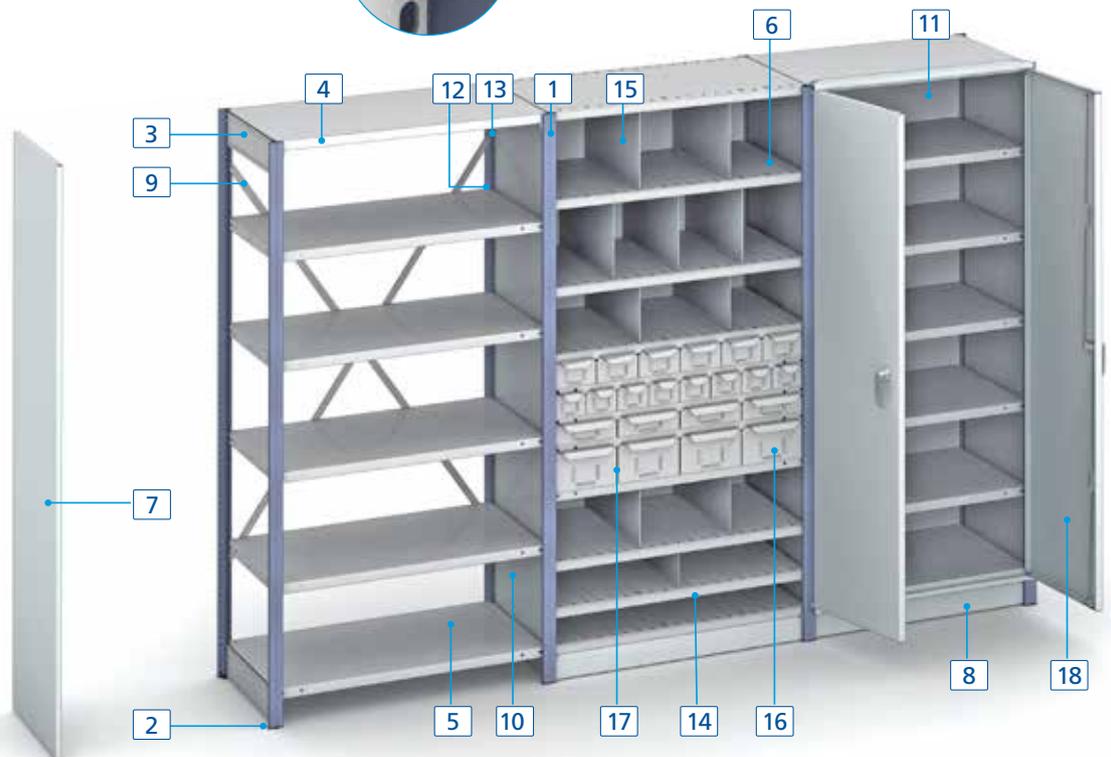
# Components

A universal manual storage system



## 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





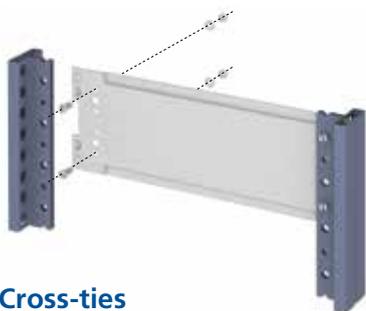
## Uprights

These are the vertical load-bearing parts of the shelf. Simple 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.



## 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.



## 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.

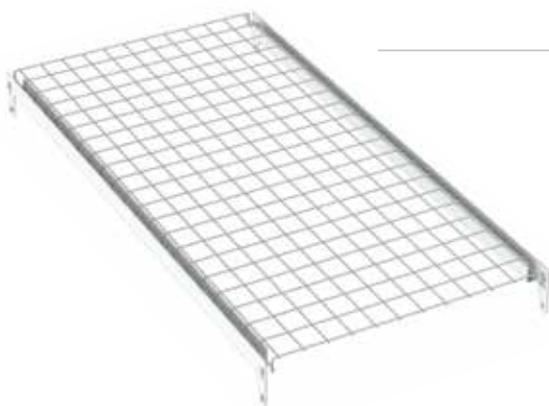
### HM Shelves

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.



### Shelf support clip

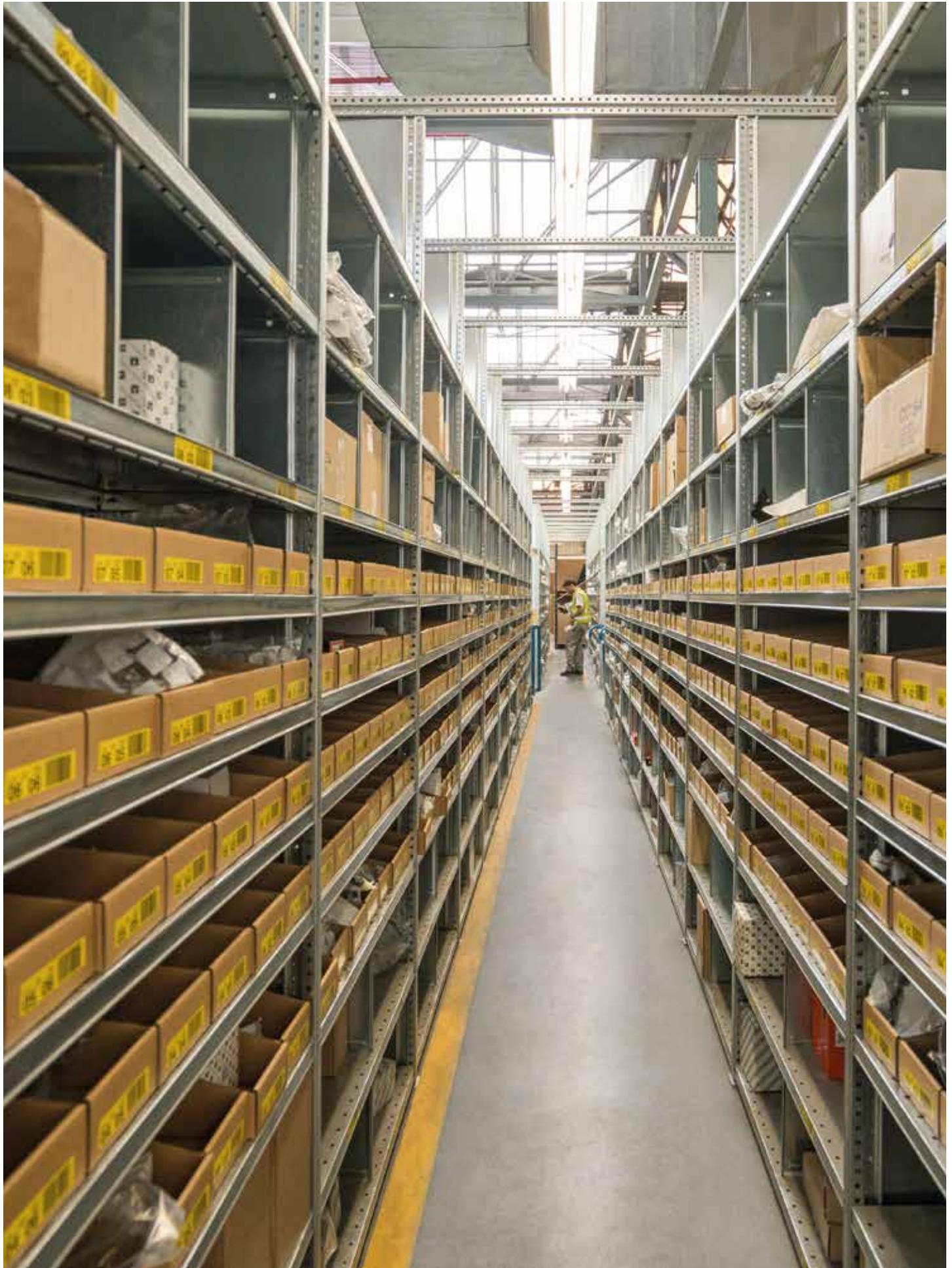
Each shelf rests on four support clips joined to the upright.



### 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.



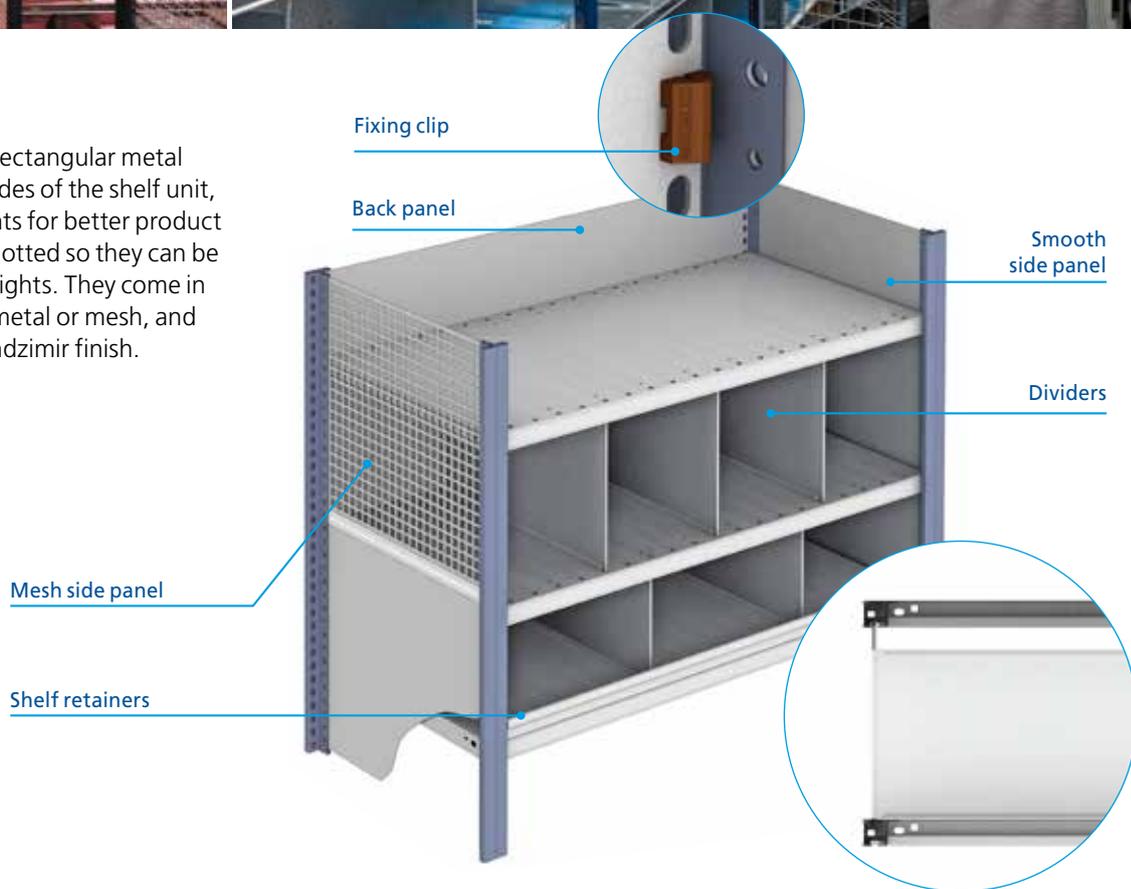
# Accessories

Multiple accessories for any product type



## 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.

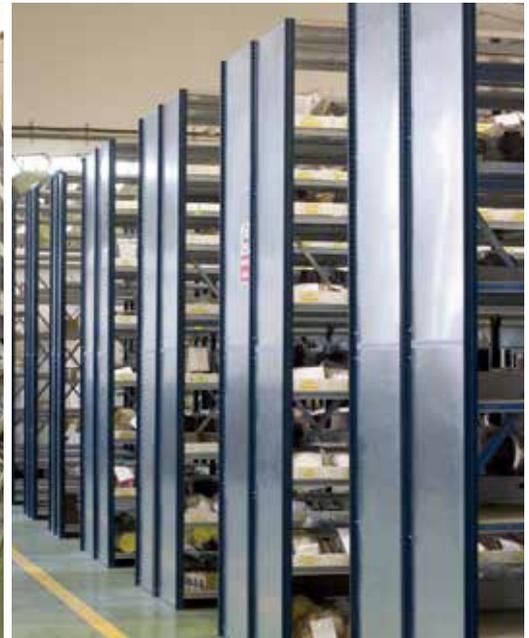
## Back panels

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.

## 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.



### 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.



### 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.

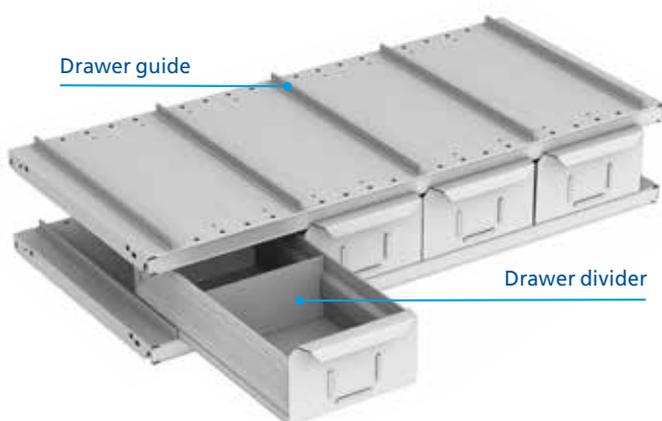
### Splice unions

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



### 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.

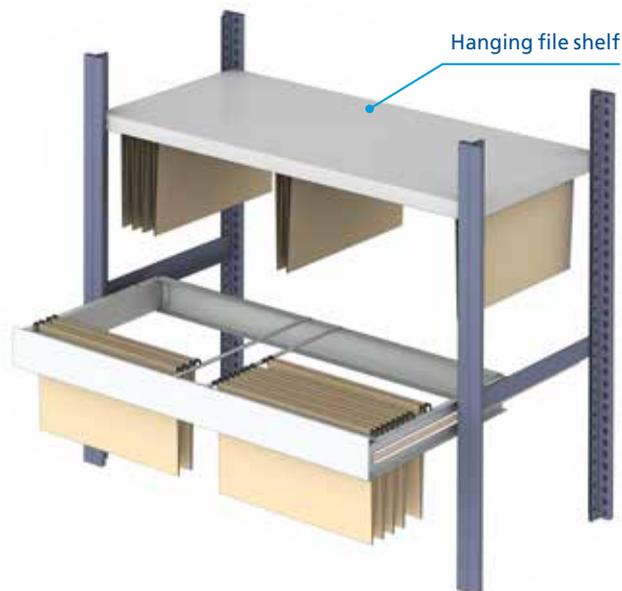
Drawer fronts are equipped with moulded handles and slots to insert labels. The backside includes stops to avoid the drawer from falling out when opened. Its sides are slotted every 50 mm to place optional drawer dividers. They come in 4 sizes:

- 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.



# Applications

Large-sized installations to small shops that need shelves with drawers



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.

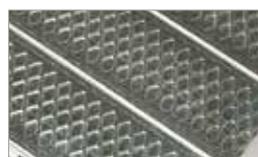
These gangways offer the potential to install diverse types of decking, such as chipboard or perforated metal. Decking facilitates the integration of this system in all kinds of settings: from space meant for offices to a warehouse focused on order picking.



Chipboard



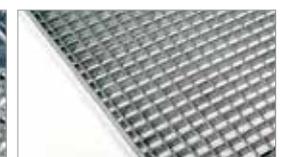
Melamine chipboard



Corrugated metal



Perforated metal



Open grate mesh



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