



### Simplos shelving

The Simplos system provides the best solution for a broad range of storage applications that conform with manually handled light and medium loads.

The main characteristics of the Simplos system are as follows:

- Easy and rapid assembly. The main components connect together.
- Flexibility. With no tools, shelf heights and levels can be easily adjusted, offering a countless number of combinations to meet various storage requirements.
- Good shelf load capacity range.
- Solid construction. The assembly of the main components provides the Simplos system with great strength.
- Smart and attractive design. A state-of-the-art design combined with a perfect finish makes the Simplos system suitable for any environment.
- Versatility. A wide range of accessories and components along with a variety of shelf sizes enable the system to be

adaptable to any available space.

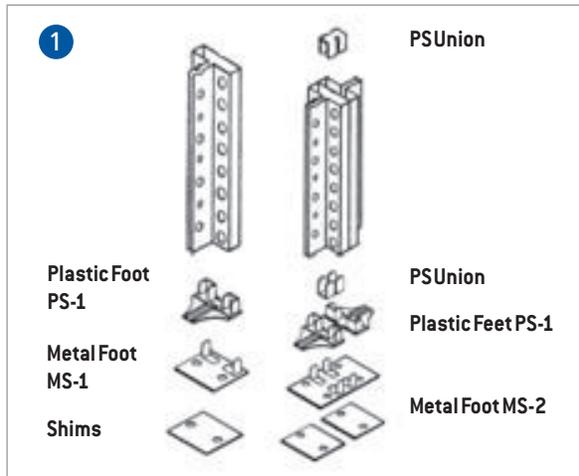
- Easily compatible. The combination of Simplos shelving with other Mecalux products such as Mezzanine floors and Longspan Picking Shelving among others proves to be extremely easy since Simplos is designed and manufactured under the same criteria.
- Simplos can be extended in height, length or width.

The strength and versatility of the Simplos are manifest in three very important aspects:

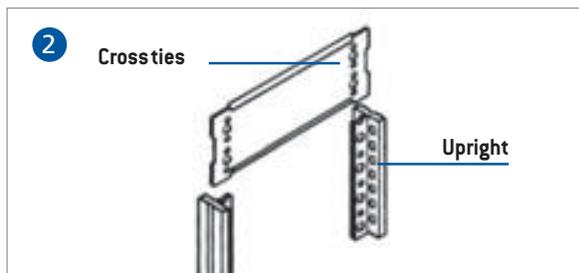
- The capacity to provide a multitude of storage applications thanks to various accessories such as side and back cladding, drawers, dividers and doors among many others.
- By offering the possibility of building up installations with two or more floors in height by incorporating gangways and stairs, making full use of the available storage space.
- Simplos is fully adaptable to different load types and weights.



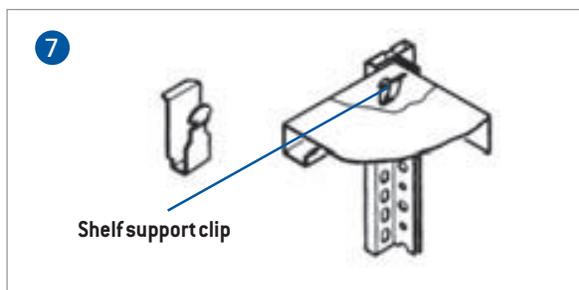
## Main components



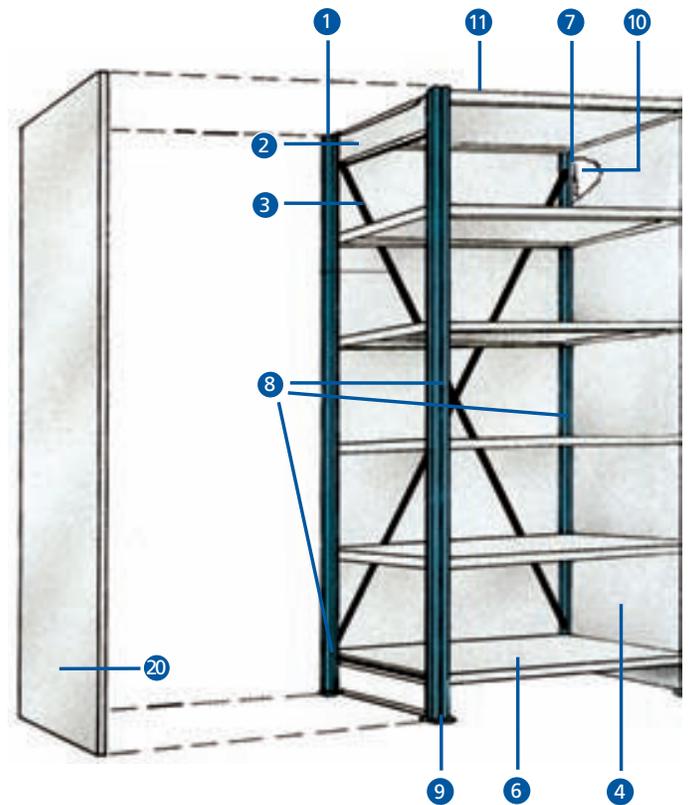
The lateral and interior sides of the uprights have slots every 25mm in order to facilitate the insertion of various components. The PS unions are designed to join two uprights when required. The metal feet fit into the lower ends of the uprights in order to reinforce their stability on the floor.



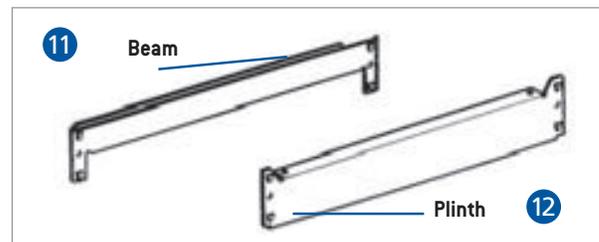
The cross ties are bolted to the uprights providing the shelving with transverse stability.



Shelves which are not supported by beams require four shelf support clips.

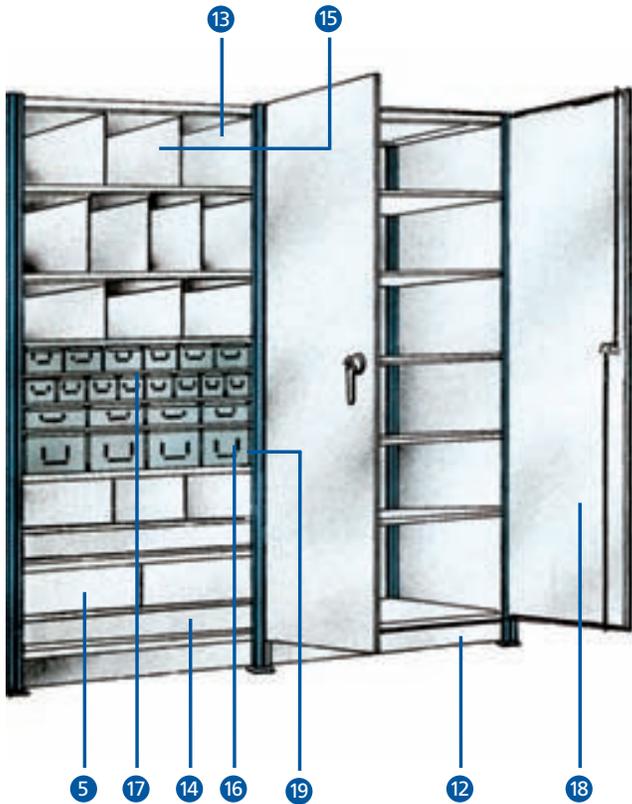


- 1) Upright
- 2) Cross tie
- 3) Cross bracing
- 4) Lateral sheet
- 5) Back sheet
- 6) Shelf
- 7) Shelf support clip
- 8) Bolt
- 9) Foot
- 10) Fixing clip

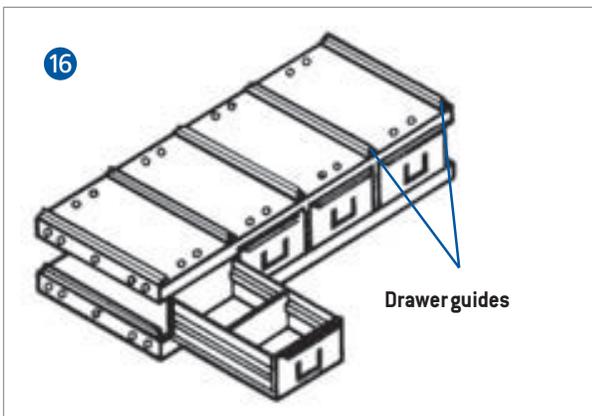


When cross bracing and back sheets are not used, the fitting of shelf beams will provide greater rigidity. In addition, shelf beams increase the loading capacity of the shelves.

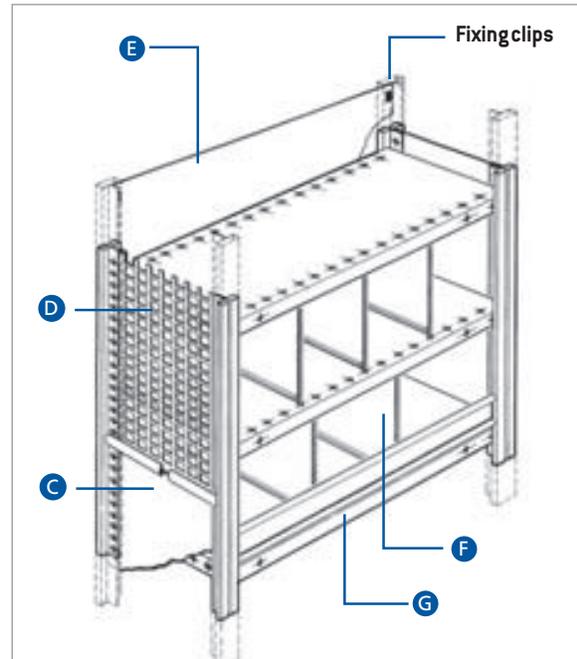
The plinths are fitted onto the bottom part of the shelving in order to prevent the accumulation of dirt underneath the shelving, and contribute to achieving greater stability to the system.



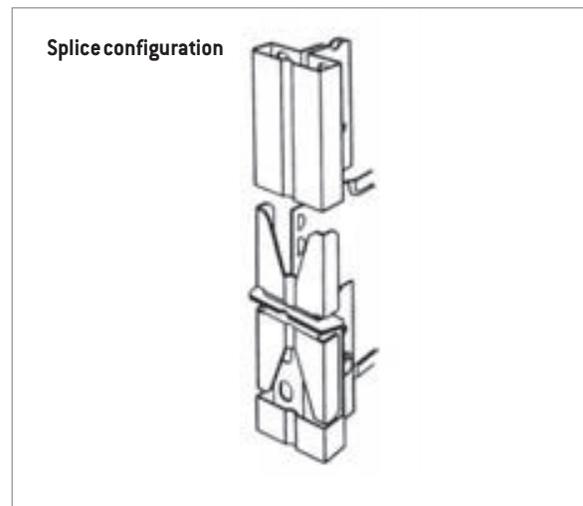
- |                              |                          |
|------------------------------|--------------------------|
| 11) Beam                     | 16) Drawers              |
| 12) Plinth                   | 17) Drawer guides        |
| 13) Slotted shelf            | 18) Door panels          |
| 14) Shelf retainer           | 19) Drawer divider       |
| 15) Slotted shelf divider PR | 20) Decorative end panel |



The drawers, with different sizes, are ideal for classifying and organising small items.



The fitting of lateral cladding (plain lateral sheet –C– , and perforated lateral sheet –D–), as well as the back sheets –E–, the slotted shelf dividers PR –F– and the shelf retainers –G– offer the possibility of creating closed compartments to ease the classification of items stored.



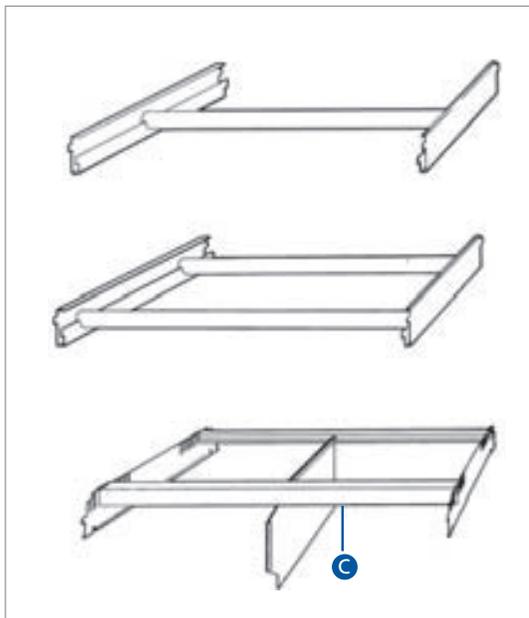
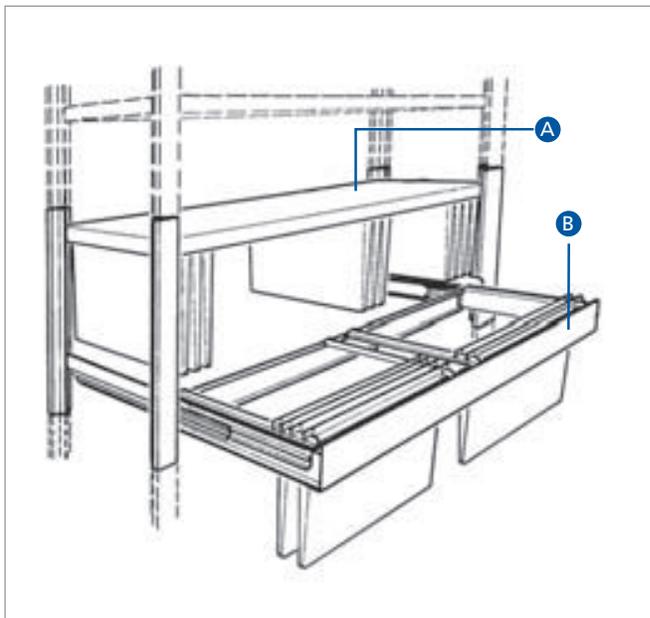
The splice union PS fits into the end of the uprights permitting an extension to the height of the Shelving.

## Accessories

Hanging files can be organised using three variants:

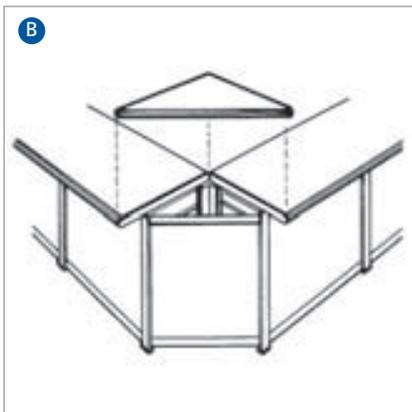
- A - Hanging shelf file
- B - Pull out file frame
- C - Static file frame

The tubular hanger frame is available with 1 or 2 tubes and can be used either to hang clothing items, samples, for cylindrical objects or even objects of irregular shape.

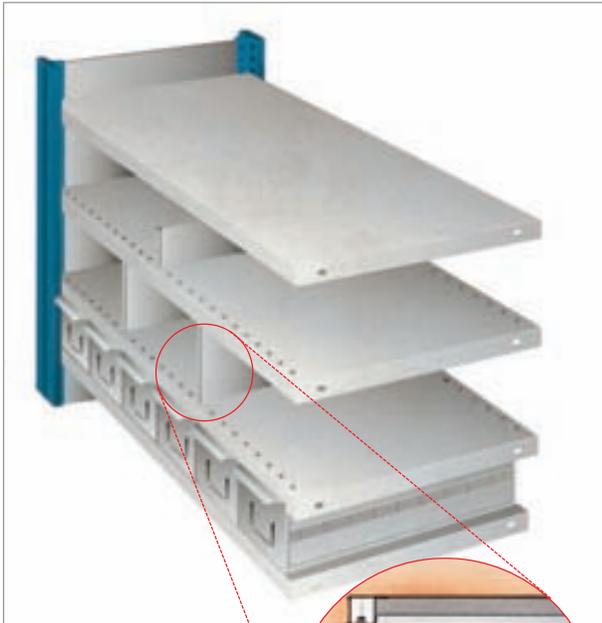


## Counters

The counters, which are assembled in a similar manner to the Simplos shelving, can be arranged either in a straight line (A), with an exterior angle (B) or with an interior angle (C).



## High resistance HD Shelves



The Simplos system also incorporates heavy duty steel shelves which are designed for medium and heavy loads. These shelves are manufactured from a single piece of pre-galvanized steel sheet, which is shaped throughout various folds for added strength.

The HD shelves, along with the SHD shelf support clip, can hold a uniformly distributed load from 125 kg up to 280 kg. Their standard sizes are 1000, 1250 and 1400 mm in length, by 400, 500 and 600 mm in depth. However, Mecalux can also manufacture other sizes with a maximum length of 1600 mm and up to 800 mm deep.



Along the front face of the HD shelves there is a continuous channel that enables the possibility of placing card holders. There is a choice of plain or slotted HD shelves and the latter permits the fitting of vertical dividers.

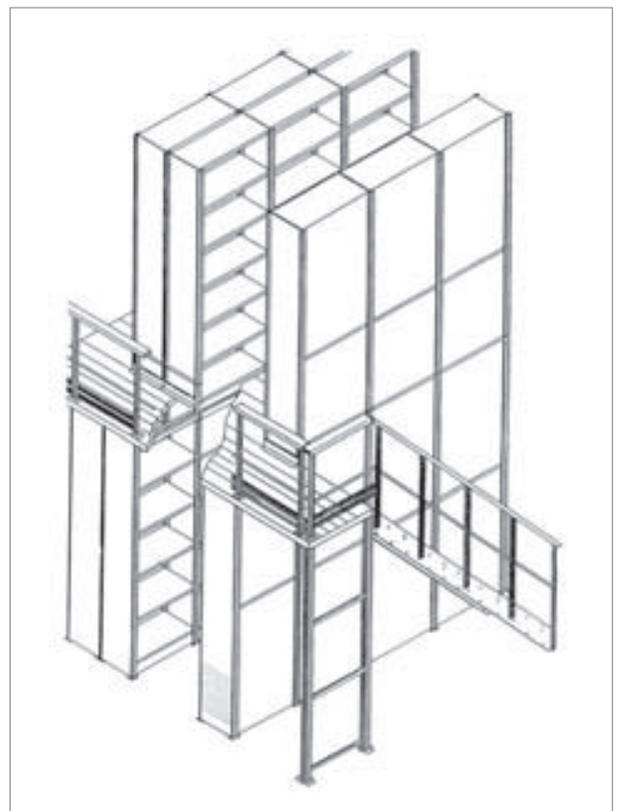
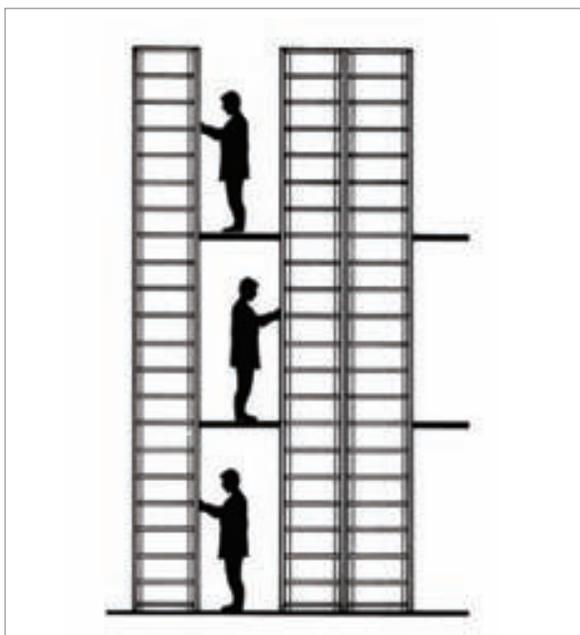
## Mesh Shelf Panels

Mesh shelf panels are designed to permit water to pass through in areas where a fire protection system is required.





Simplos systems are suited for a wide and varied range of uses, from a small-scale filing system to the most complex industrial installations.



## Types of floor

When calculating an installation with various floors in height, the number of gangways will be determined by the total height of the installation, taking into account that the recommended height between gangways ranges from 2200 to 2500 mm. The access to the different floors is by means of pre-assembled stair-cases. In addition, the gangways can be supplied in the form of chipboard or metallic flooring.

The technical Department of Mecalux will analyse each particular installation in order to provide clients with the best storage solution.



**Chipboard flooring**



**Melamine chipboard flooring**



**Slotted metallic flooring**



**Striate metallic flooring**



**Perforated metallic flooring**



**Grid flooring**

