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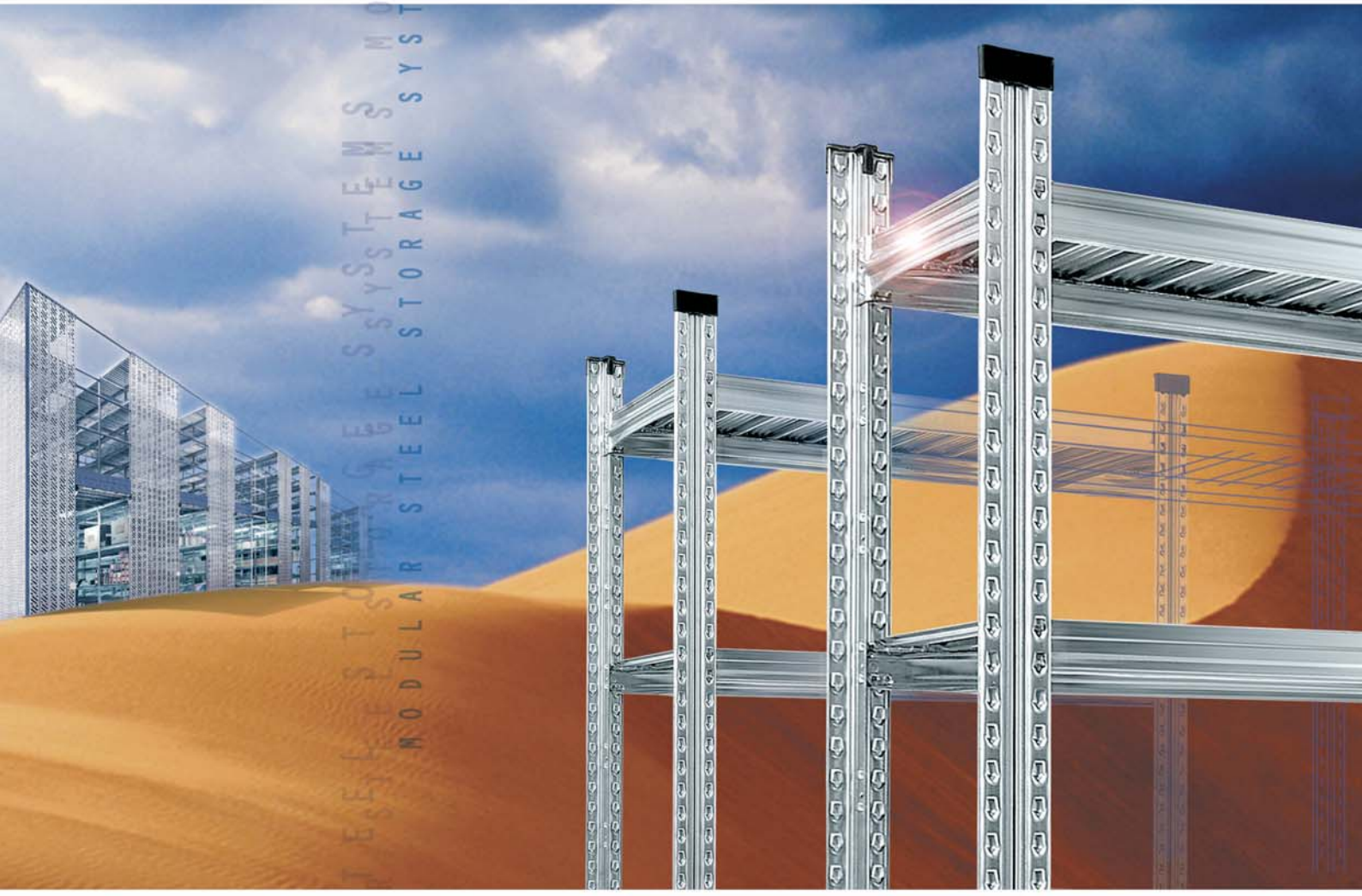
# SUPER 1/2/3

PATENTED BOLTLESS SHELVING



MODULAR STEEL STORAGE SYSTEMS

METALSISTEMA®
STRUTTURE ED AUTOMAZIONE
MADE IN ITALY

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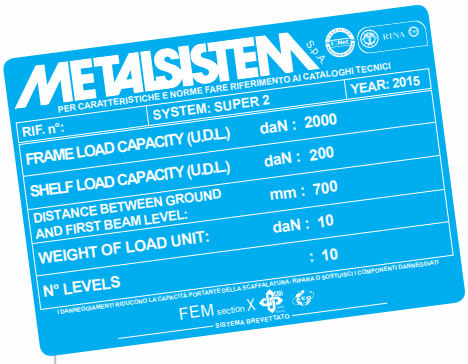
# THE GROUP

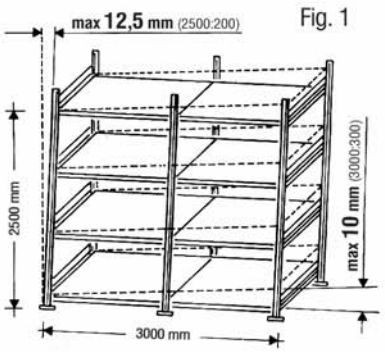
Founded in 1968, METALSISTEM commenced its activities specialising in the design and production of machinery for the cold profiling of metals.
The experience gathered, numerous highly innovative patents resulting from intense research and development and the considerable market success of the first range of cold form zinc coated profiles quickly channelled METALSISTEM into the production of the latter of its activities.
Today the METALSISTEM Group is an articulated network of companies with its head office and main production facility in Rovereto, Italy.
The Group has consolidated its position as one of the major industries within the Material Handling Sector.
Through products and services aimed at providing complete assistance for all warehousing, product showcasing and sales outlet requirements, the companies of the METALSISTEM Group are able to offer their customers a wide range of products of the highest quality, highly competitively priced, with very rapid delivery times and a first class back up service, as well as tailor made solutions providing efficient and rational use of internal storage areas and material handling environments.
Lightness, strength and modular form, coupled with the ease of integrating and expanding already existing structures are but a few of the successful features of the METALSISTEM storage and shelving systems.
The success of the METALSISTEM Group is the result of a precise managerial choice based on research of new production technologies and continuous development and innovation of its product range.
A direction which has produced numerous international patents (testament to the uniqueness of the METALSISTEM product), continuing improvements in safety, quality and versatility.
METALSISTEM's company strategy is to offer products of the highest quality, very competitively priced, with rapid delivery times backed up by a first class service.
The numerous product lines are conceived and designed by METALSISTEM's internal Research and Development Centre, as are the profiling lines and equipment required for their manufacture.
The automated production facilities for the cold profiling of metals have enabled METALSISTEM to achieve one of the highest levels of productivity in the world, today.
Rigorous laboratory tests are conducted on the raw material entering production, and on the final product, thus ensuring the continuing evolution of efficiency and quality standards.
All products have elevated structural characteristics and ensure high quality standards recognised by the most important European certification bodies, such as Germany's TÜV Product Service GmbH, Austria's Ö-NORM, Rome's I.S.P.E.S.L., UNICMI - ACAI/CISI (Associazione Costruttori Acciaio Italiani - Sezione Costruttori Italiani di Scaffalatura Industriale), the latter of which METALSISTEM has membership, and others.
The company's ISO 9001 quality assurance system as well as its environmental management system ISO14001 and the health and safety BS OHSAS 18001, are certified by RINA.
With an annual turnover of exceeding 260 Million Euro, the METALSISTEM Group premises occupy a total area of 230.000 $m^2$, 125.000 of which are dedicated to production.
The METALSISTEM Group affiliated companies and distributors provide a world wide commercial network, able to satisfy the most demanding needs.
We value greatly the high level of trust that is placed in us by our customers and feel that it is proof of the quality and reliability of our products.

# STANDARD SPECIFICATIONS CALCULATION AND SAFETY STANDARDS

The correct use of a product, distinguishes both the Customer and the Manufacturer.
METALSISTEM recommends that Customers make use of their product in strict conformity with the design characteristics given and standards of best practice. The design and assembly of the racking systems must be carried out by qualified personnel.




METALSISTEM declines all responsibility for improper or non authorized use of the racking and its accessories.




**a) Floor slab loading**
Loading capability should be checked before installation.

**b) Site installation**
It is of utmost importance that installations are assembled by skilled labour only.
Frames should be built in strict accordance with the assembly diagram shown at right. Particular attention should be paid to a proper assembly and location of security pins.


**c) Rack alignment**
Once the shelving is assembled, it is necessary to align it vertically and horizontally. The perpendicular deviation should not exceed 1/200 of the height (with a maximum of 15 mm) and correspondingly the horizontal deviation 1/300 of the bay length (see Fig. 1).

**d) Load bearing capacity plate**
Load capacity plates should be fixed in a prominent position and show the product series, the year of construction, the maximum load per bay, per shelf and per $m^2$ (in the case of platforms and/or two-tier-structures), as well as the weight of the load units and the distance from the ground to the first load level.

**e) Rack safety standard**
In the case of hand loaded static shelving, if the height of the frame is over 3 metres or exceeds over 5 times its depth, the frames must be securely bolted to the floor slab (using the heavy duty base plate art. 67006.95) and fitted with wall ties or overhead ties (see fig. 2). It is not allowed to use single sided shelving that exceeds over 8 times its depth, unless the frames are connected through walkways or fitted with wall ties or equivalent. The use of cross bracing (vertical and horizontal cross bracing) is necessary in the case of rack runs with frame heights over 3 metres, with less than 4 bays or with distances of more than 700mm in height between the load levels. In such cases it is necessary to provide vertical and horizontal cross bracing in intervals of at least one bay each 8 bays in a row. The frames must be securely bolted to the floor slab using the heavy duty base plates (art. 67006.95) and the locking frame spacer bars. As an alternative solution to the use of cross bracing customers may fit the shelving with wall ties or similar. This is valid only in case that the wall or the structure is adequate for that scope and provide an equal or better grade of constraint compared to cross bracing. Within seismic regions it is not allowed at all to use any type of wall ties or similar. For specific calculations and design customers should contact the METALSISTEM Technical Department.

**f) Installation design**
Super 1-2-3 structures are to be used as hand loaded shelving only and not as pallet racking, with forklifts, or with wheeled equipment on two-tier-structures. METALSISTEM declines all responsibility for improper or non authorized use of the shelving and its accessories.

**g) Two tier structures/platforms**
Two tier structures with suspended walkways are to be designed exclusively with the Super 3 system and must comply with all safety recommendations. In case of platforms with continuous floor/decking (see page 5 - case "B"), the frames are to be assembled as shown in the assembly diagram, i.e. using exclusively diagonal spacer bars, at centre distances of 264 mm, up to the level of the platform. Uprights must be assembled with locking frame spacer bars and heavy duty base plates (art. n° 67006.95), securely bolted to the floor slab. Staircases must be adequately reinforced and built with the reinforced Super 3 uprights only (art. 99230--.95), either side of the staircase. The correct use of all safely components mentioned in this brochure is mandatory. The maximum load bearing capacity of walkways/decking within two-tier-structures and platforms is 300 daN/$m^2$, the maximum width of walkways is 1200 mm, and the maximum shelf bay length is 1500 mm. Two tier-structures and platforms have to be equipped with appropriate vertical and horizontal cross bracing. The frames must be fitted with overhead ties (art. n° 67400.95).

**h) Software reference**
The structural calculation reference standards are:

- UNI EN 15512:2009; UNI EN 15620:2009; UNI EN 1993-1-3:2007 Eurocode 3.

Material reference standards are:

- UNI EN 10346:2009; UNI EN 10149-1:1997; UNI EN 10149-2:1997; UNI EN 10204:2005.

Other reference standards:

- UNI EN 15635:2009; ACAI-CISI - Testo Unico - dated 11.05.2004 and 26.02.2004.

**i) Calculation**
The calculation is executed with the ANSYS software and based on finite elements.

**l) Frame load capacity**
The frame load bearing capacities stated in this brochure are calculated in compliance with the following criteria: the first shelf level must be fitted at no more than 700 mm from the ground and the following levels at intervals not exceeding 500 mm, with a minimum of 4 interconnecting bays. Frames are to be bolted to the floor slab. Super 1-2-3 shelving series has been designed for hand loaded use only, and calculated without considering any significant horizontal loads.

**m) Shelf load bearing capacity**
Data for shelf load bearing capacities shown in the brochure are to be understood as referring to uniformly distributed loads with a deflection equal to 1/200 of the shelf length.
The beam locking pins must always be fitted.

**n) Custom-built applications**
The METALSISTEM Technical Department is at its customers' disposal for any specific calculation or custom-built application.

METALSISTEM reserves the right to apply technical changes to the product. Data, characteristics and dimensions given in this document are merely indicative.

# FRAME BRACING ASSEMBLY DIAGRAM

In depth 320 - 400- 500 - 600 - 700 - 800

SUPER 1-2-3 is made from certified steel and carries the approval mark of TÜV PRODUCT SERVICE Gmbh

TÜV PRODUCT SERVICE — Production monitored Safety tested

See more on the web

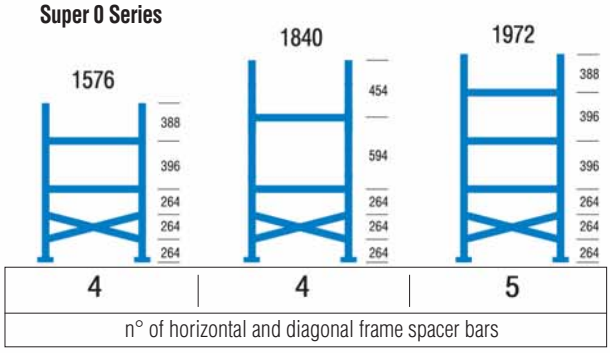
**LEGEND**

Diagonal / Horizontal Spacer Bars

Locking Frame Spacer Bars

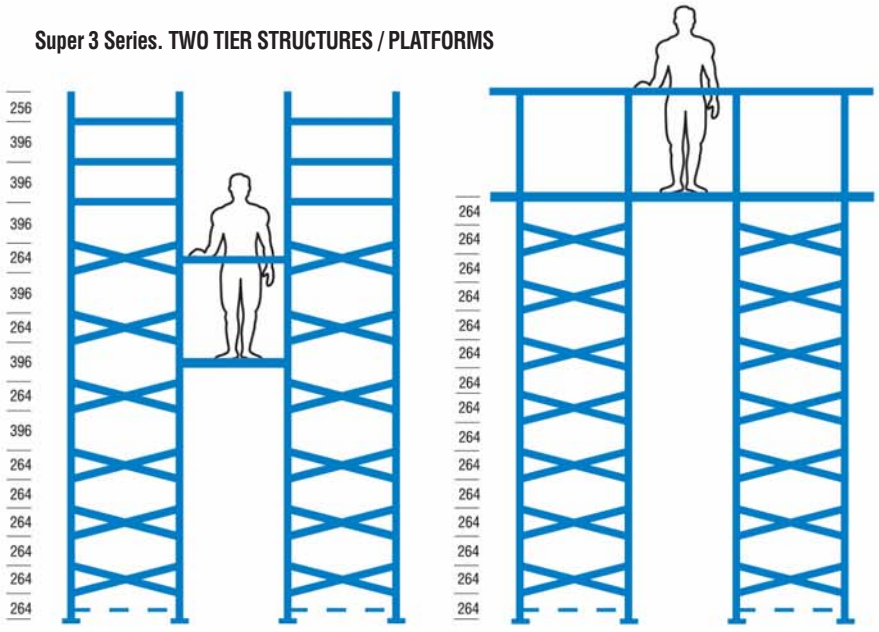
**Super 1-2-3 Series**


**Super 0 Series**




Super 0 uprights and frames are allowed with the use of Super-ZERO beams and shelves, only.
Bay lengths 900/1050/1200 mm only, with a max. load capacity of 200 daN per shelf, for uniformly distributed loads.

**Super 3 Series. TWO TIER STRUCTURES / PLATFORMS**



CASE "A"
Two tier structure
with suspended walkways

CASE "B"
Platform with continuous floor

## TWO TIER STRUCTURES PLATFORMS

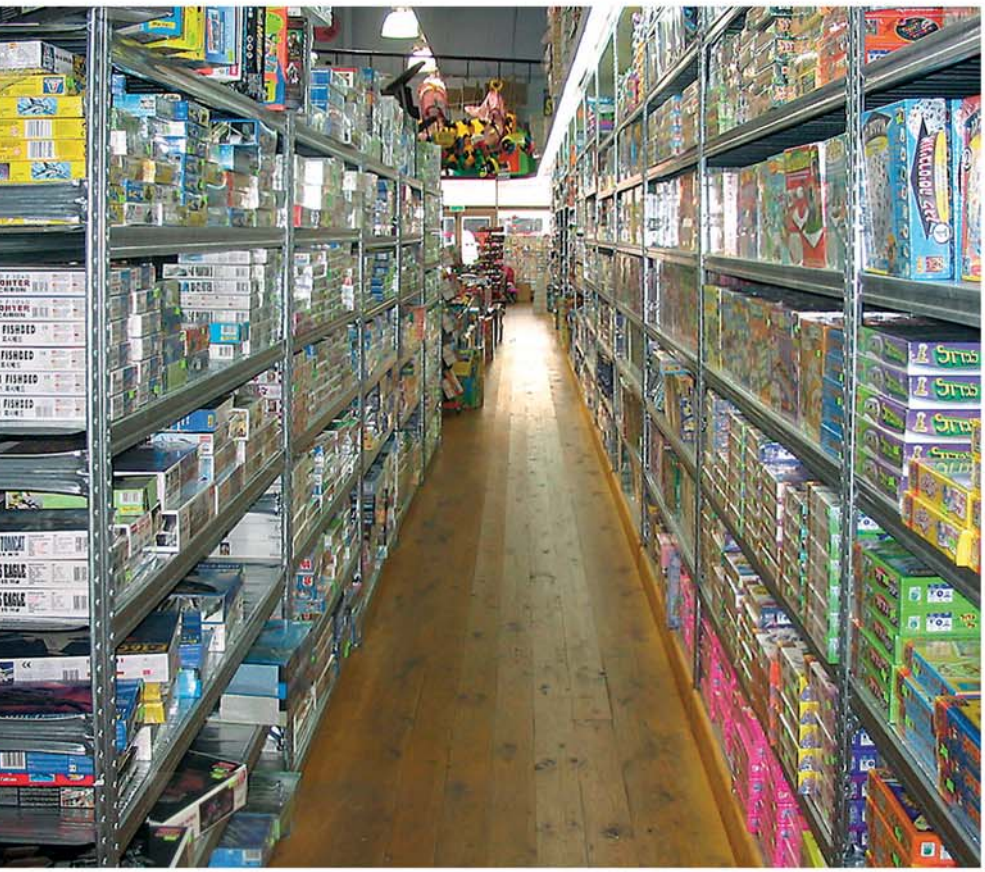
In case of two tier structures with suspended walkways the frames are to be assembled as shown in case "A" at left (i.e. the standard frame assembly diagram). In case of platforms with continuous floor decking, the frames have to be assembled with pairs of diagonal spacer bars only, at centre distances of 264 mm, up to the level of the platform (see case "B" at left).

In both cases the frames must be securely bolted to the floor slab using the heavy duty base plates (art. n° 67006.95) and the locking frame spacer bars.

Staircases made from standard components and integrated into the two-tier-structure have to be reinforced in an appropriate way, using the reinforced Super 3 upright (art. n° 99230--.95) either side of the staircase. METALSISTEM strongly recommends to comply with all safety standards mentioned in this brochure.

The maximum load bearing capacity of walkways/decking within two-tier structures or platforms is 300 kg/m$^2$ and the maximum width of the walkways is 1200 mm. The maximum shelf bay length is 1500 mm.


R05
R06
R07



# THE COMPANY TODAY

METALSISTEM products are now in use in a great many installations throughout the world, and after more than 45 years production, we value greatly the high level of trust that is placed in us by our customers and feel that it is proof of the quality of our products.

The shelving components are produced on fully automated production lines.

The folding and cold processing techniques developed by METALSISTEM are designed to obtain light and extremely strong components.

Lightness, strength and modular form coupled with the ease of integrating and expanding already existing structures are but a few of the successful features of the METALSISTEM Industrial Storage Systems. Ideal storage solutions for a whole host of products supplied worldwide are created here thanks to a total commitment to research and development.

All METALSISTEM components are subjected to regular and rigorous technical tests. These cover both uniformly distributed and concentrated loadings.

# THE PRODUCT

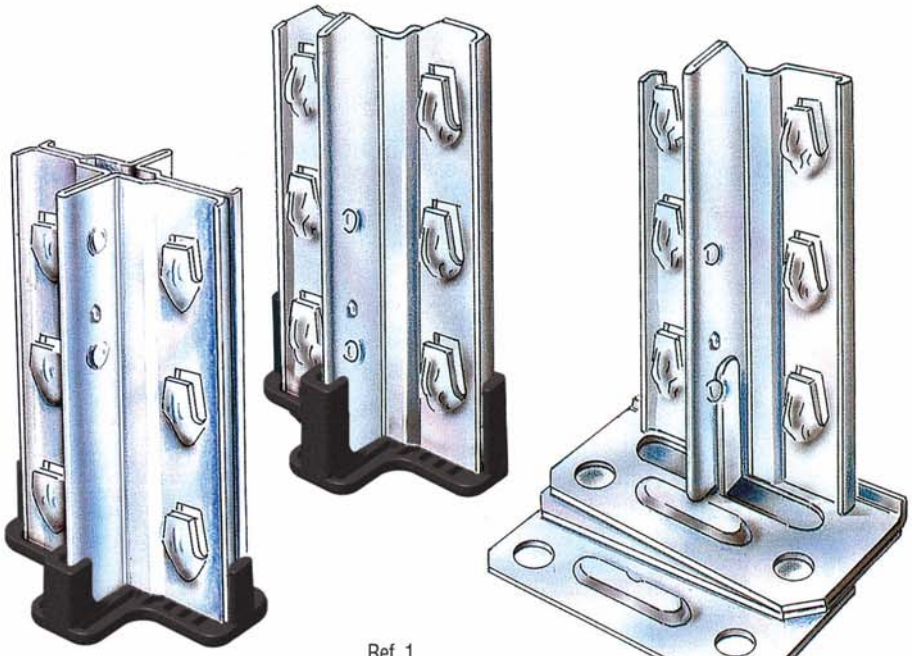
The fully adjustable Super 1-2-3 systems have been designed to meet the needs of light to medium duty storage. They are also highly suitable for the construction of two tier structures (with the Super 3 system).
The design of the various components is the result of rigorous technical testing and the highly specialised knowledge developed over years of experience in the field of metal processing.
This experience has enabled METALSISTEM to offer innovative products of the highest quality, highly competitively priced, and to produce a highly technical solution to the most important shelving problems, such as rapid assembly, stability, low cost and load bearing capacity.

The design allows for high load bearing from light gauge materials. The use of high quality zinc coated steel ensures a high level of durability.
The structural components of the Super 1-2-3 systems are made from high tensile steel, certified according to EN 10204 3.1.

See more
on the web

The safety and the quality of the product has always been a primary aim of METALSISTEM and is recognised by TÜV PRODUCT SERVICE in Munich, one of the most rigorous EU commissions in the field of quality and safety certification. The product meets the requirements of the Equipment Safety Law.

Thanks to its attractive high-tech design, Super 1-2-3 shelving is trendy and pleasing to the eye. It can provide unique and cost effective solutions for shopfitting and applications in domestic environments as well.
See examples at left as well as on page 34, 35 and overleaf.



Ref. 1

Ref. 1b

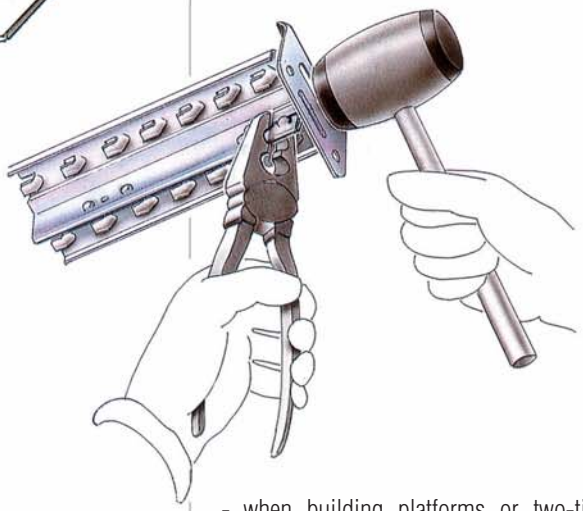
# ASSEMBLY INSTRUCTIONS

## Base plates

Fit the steel base plate onto the upright, using pliers to guide the two tongues on the plate into the nibs on the upright. Then tap the base plate into the nibs with a hammer (see sketch below).

Plastic base plates (Ref. 1) should be used for the Super 0 and Super 1 series only. They may be used as well for applications in domestic environments, with modest load bearing capacities. Double plastic base plates are available for back-to-back bays. Both items (single and double base plates) are also used as top caps for uprights (Ref. 20/29).

Heavy duty base plates (Ref. 1b) must be used in the following cases:



- when building platforms or two-tier structures with suspended walkways;
- when building staircases, under the uprights of the staircase;
- if the height of the shelving is over 3 metres or exceeds over 5 times the depth of the shelving.

Heavy duty base plates are always to be assembled in conjunction with locking frame spacer bars.

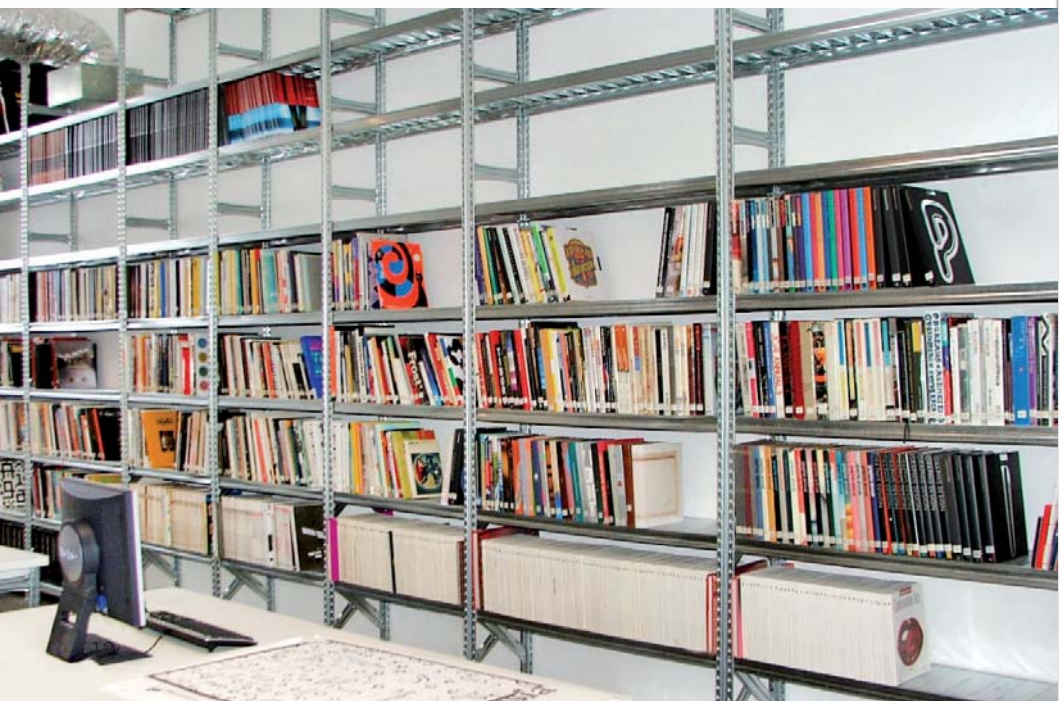
In all other cases customers may use the standard steel base plate (Ref. 1). Shims in 1 and 2 mm gauge are available for steel base plates.

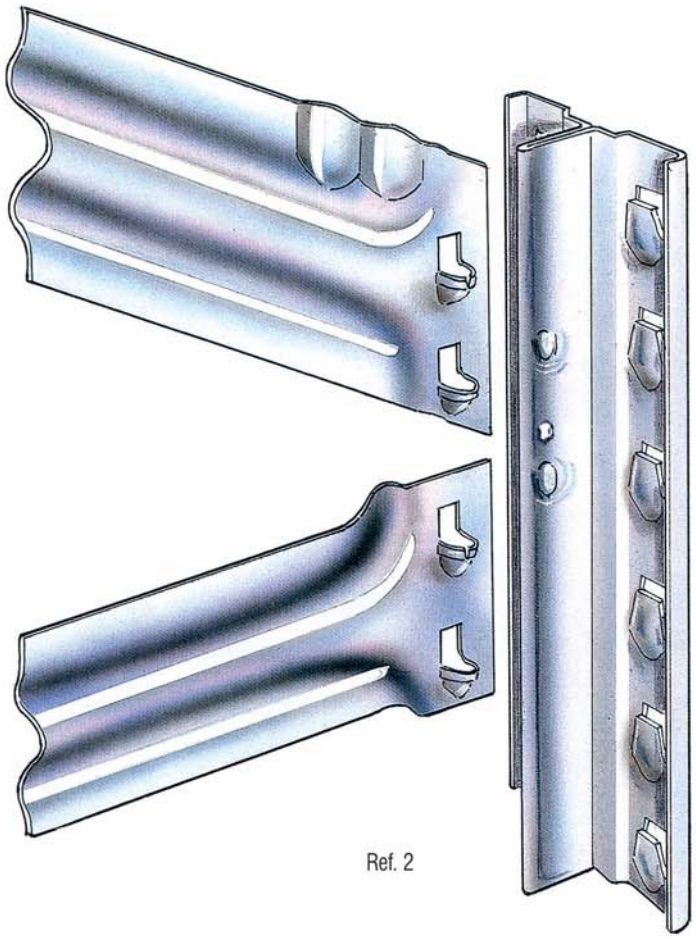
## Spacer bars

To fit spacer bars, refer to the diagram on pages 4 and 5 to determine the exact position and quantity.

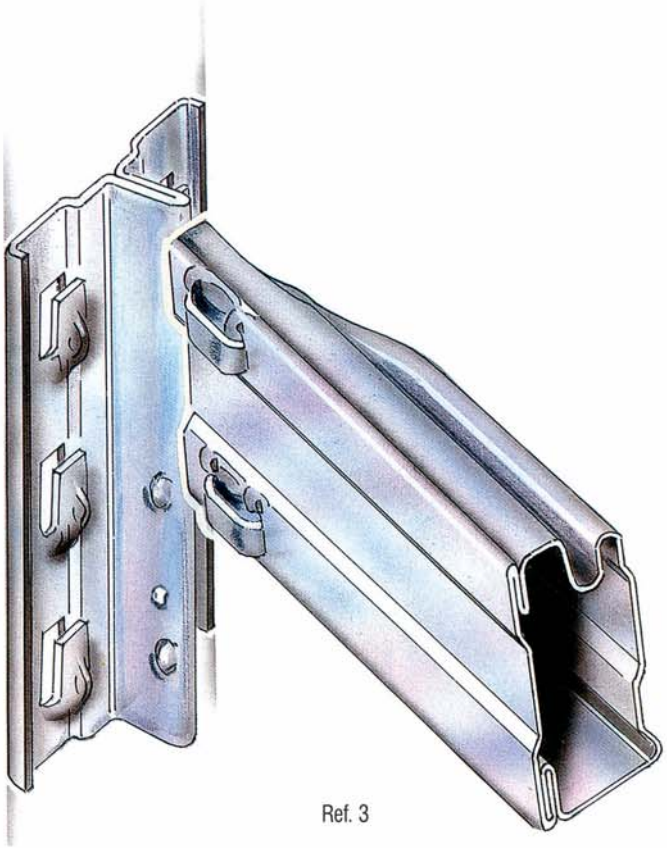
Insert the horizontal and diagonal spacer bars into the grooves in the corner of the upright, locating the wide part of the slot over the nibs on the upright and keeping the spacer bars tight to the upright, in order to keep it square; then tap down into the narrow part of the slot alternating from side to side.

To achieve correct assembly, the spacer bar anti-release tongues should be closed (Ref. 2).





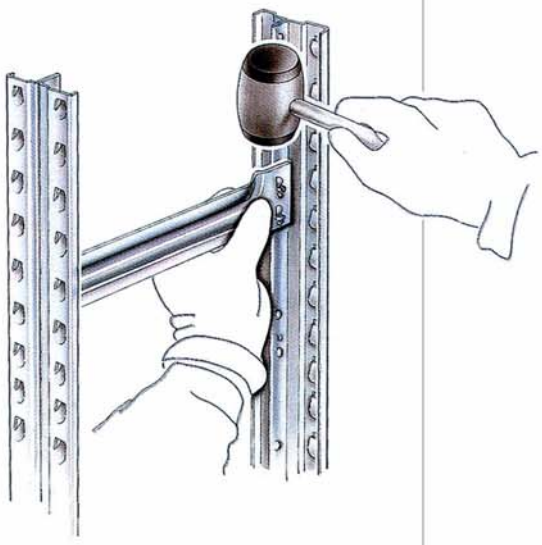
Ref. 2



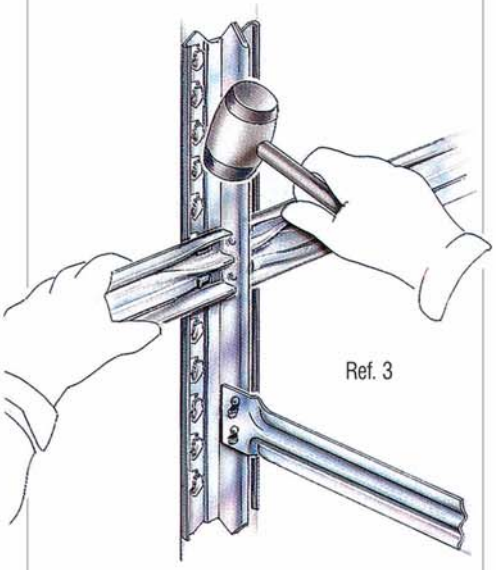
Ref. 3

## Beams

Take the frames, assembled with bracing and base plates: keep them as perpendicularly as possible and fit the beam by tapping it down onto the tongues, close to the upright, with a plastic-faced hammer to avoid damage to the beam (Ref. 3).



The beams, once assembled, should be secured with the respective beam locking pins (see page 21, Ref. 22).



Ref. 3

For the storage of tyres or round materials which are placed directly onto the beams, plastic strips are available to avoid damage to the products stored; these strips are fitted into the recess of the beams (see page 21, Ref. 21).

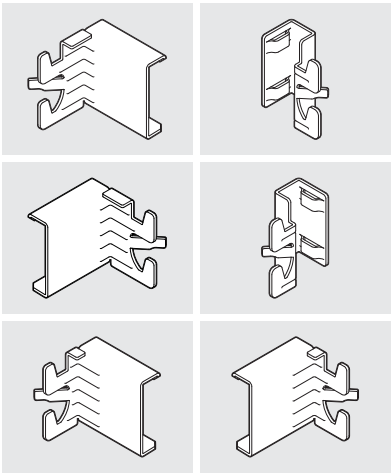

Ref. 67


Ref. 67


Ref. 67

## Corner Solutions

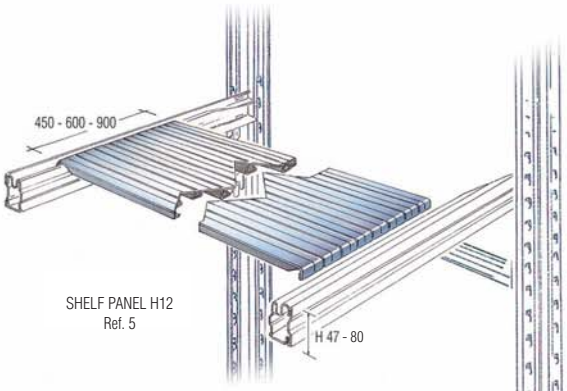
Corner solutions allow for the best possible use of available storage space, especially within small and awkward rooms.
By means of 4 dedicated brackets, both left and right sided corners can be created without the need of inserting additional frames which would hinder full access to the shelving levels.
"T"-shaped peninsular configurations may also be created by coupling left and right sided beam connection brackets. With appropriate consideration, this application may also be used to close off end corridors of 2-tier-installations.
Applications are limitless!
For a correct layout, load bearing capacities and technical specifications referring to corner solutions, please refer to page 53 of this brochure (Ref. 67).




Ref. 67

## Shelves H12 and H25

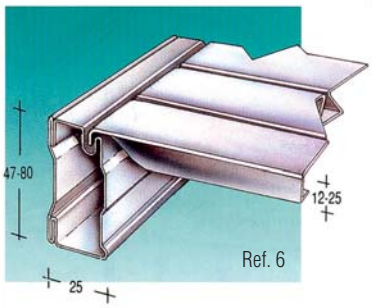
Shelves of profile 12 mm, 450-600-900 mm wide, are produced in depths varying from 320 to 700 mm.
Shelves of profile 25 mm and 300 mm wide are supplied in depths varying from 400 to 800 mm (Ref. 5-6).



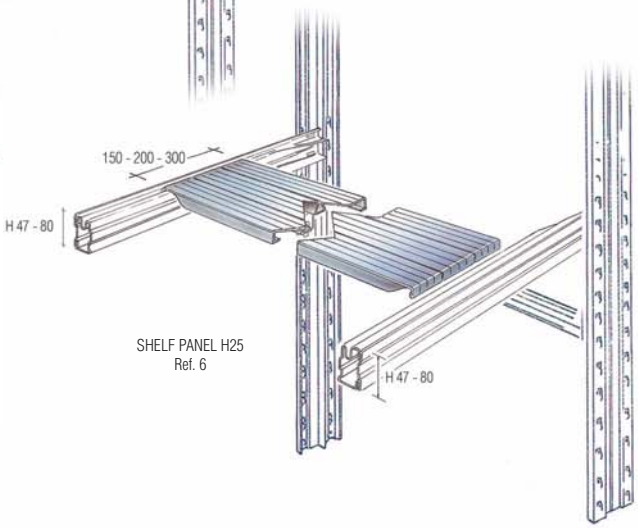
SHELF PANEL H12
Ref. 5

## Perforated Plastic Shelf Panels

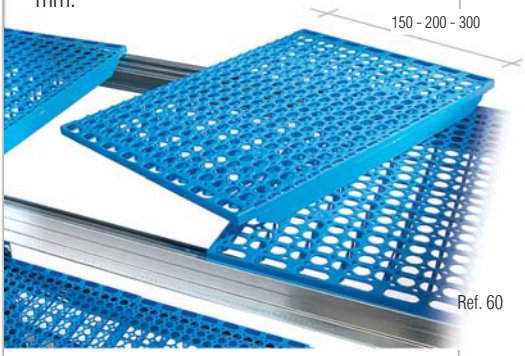
The standard range of perforated plastic shelf panels in 150-200-300 mm width is made from high quality polypropylene according to the RoHS directive, suitable for use within the food sector and RoHS compliant. The shelf panels are perforated at >50% of their surface.
Available in six different colours: white, yellow, light blue, blue, dark green and black, for frame depths 320-400-500-600 mm.



Ref. 6

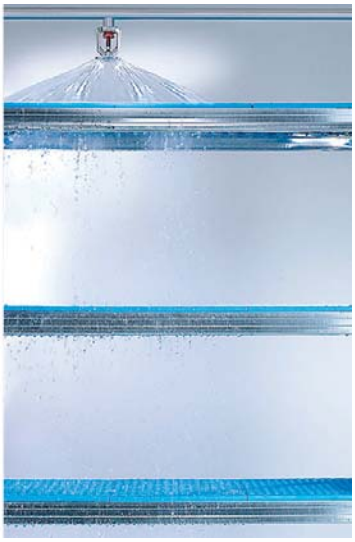


SHELF PANEL H25
Ref. 6



Ref. 60

Specific FROST shelf panels in light green colour are also available for use within cooling rooms. For correct ordering and load bearing capacities, please refer to page 46 and 47 of this brochure.

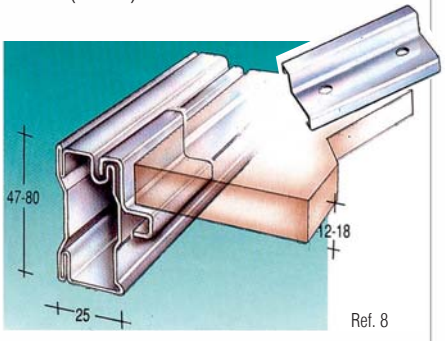



## Perforated Steel Shelf Panels

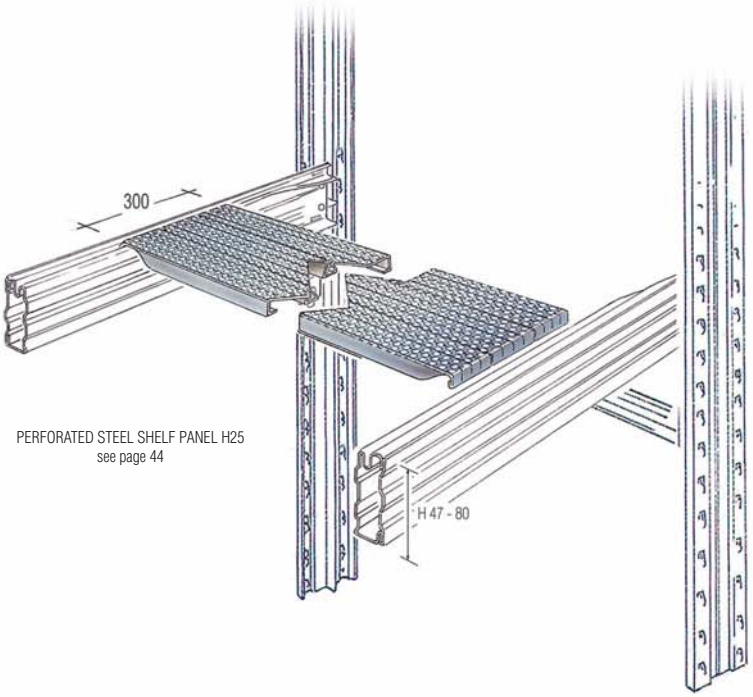
Perforated steel shelves of profile 25 mm in 300 mm width, perforated at 50%. For installations equipped with sprinkler systems. Hole diameter 6.5 mm. For correct ordering and load bearing capacities, please refer to page 44 of this brochure.

## Chipboard Shelves

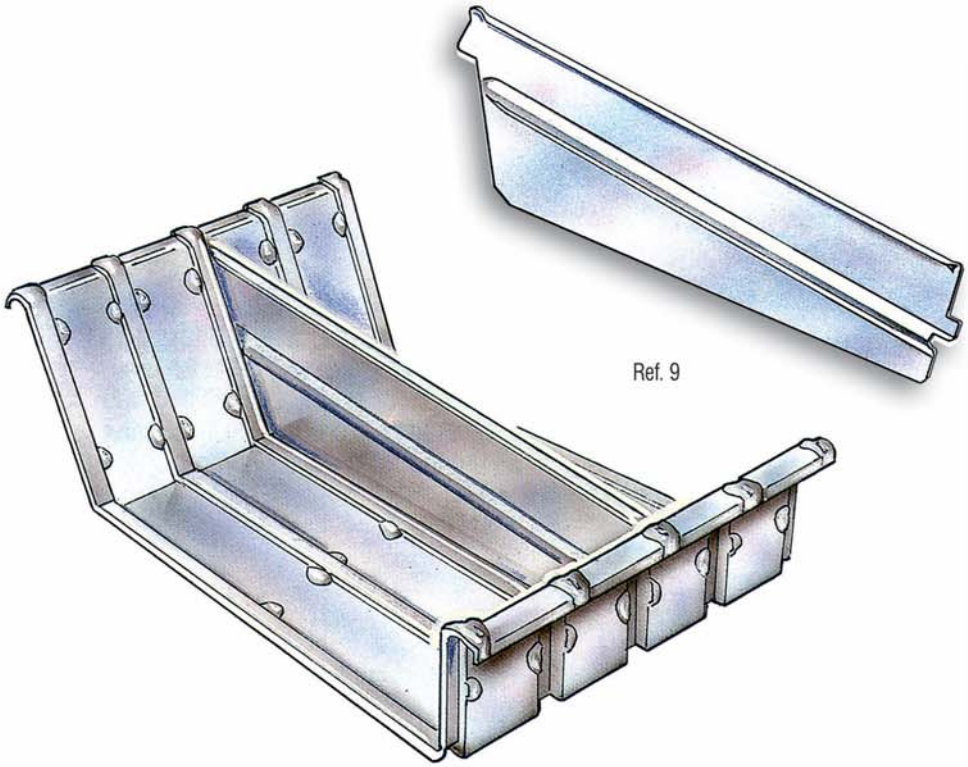
Chipboard shelves of thickness 12 or 18 mm can be fitted using the clips shown below (Ref. 8).



Ref. 8

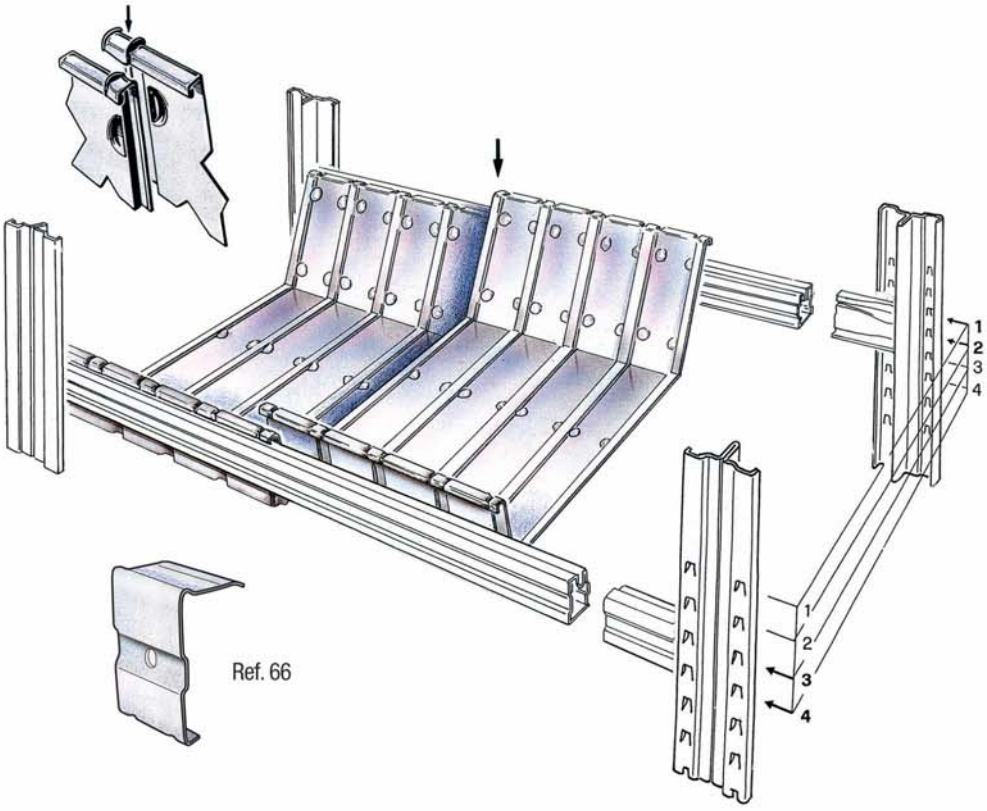


PERFORATED STEEL SHELF PANEL H25
see page 44




## Modular Containers

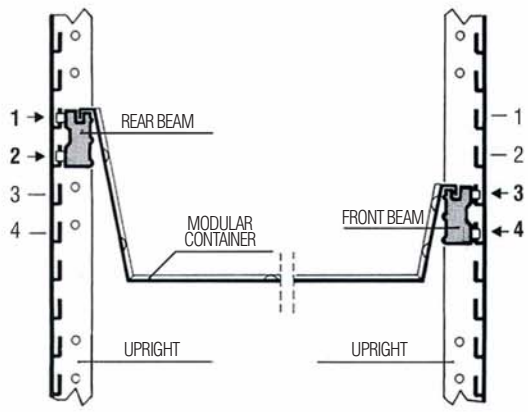
Insert the containers from left to right, and join them together by overlapping the beginning of the following container onto the end of the preceding one, pressing them into the recess of the beams.




## Fastening Clip for Modular Containers

This clip prevents the modular containers from being accidentally unseated from their position (Ref. 66). Skip the first container to the left of the bay and fix each of the following modular containers using a pair of clips positioned on the second rib at the front and at the back of the container.

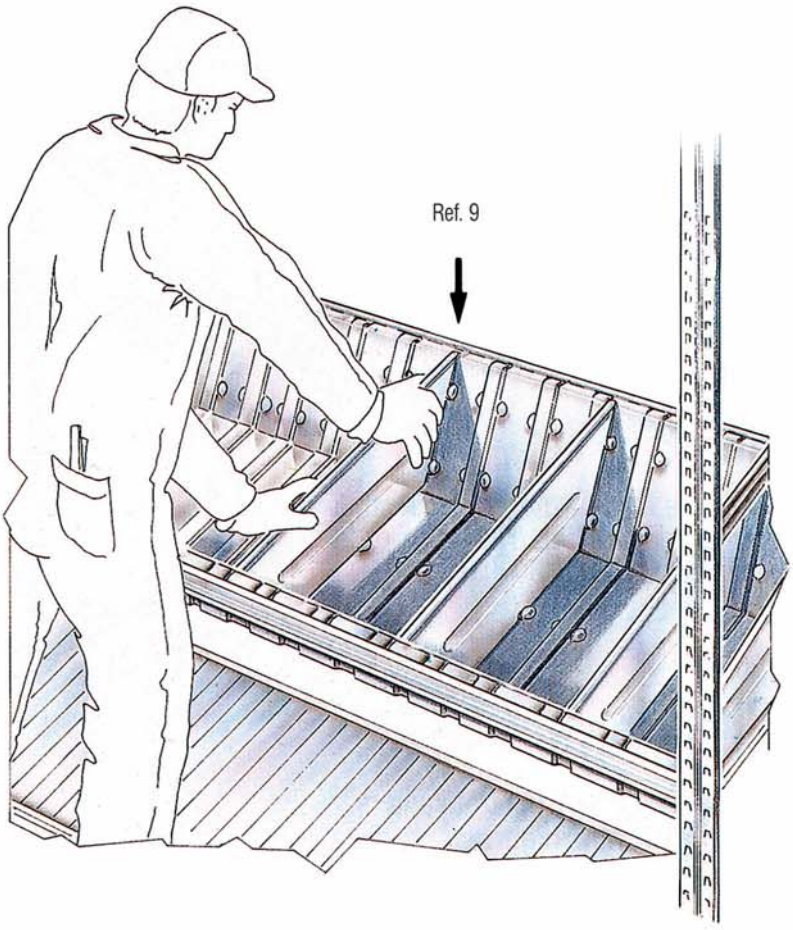





Ref. 10

To assemble the containers correctly, the rear beam should be fitted two pitches higher than the front one (Ref. 10).
Fit the dividers into the special slotted seats, pushing down to locate (Ref. 9).

The capacity of the containers can be increased by fitting bin front and rear panels 200 or 300 mm high.

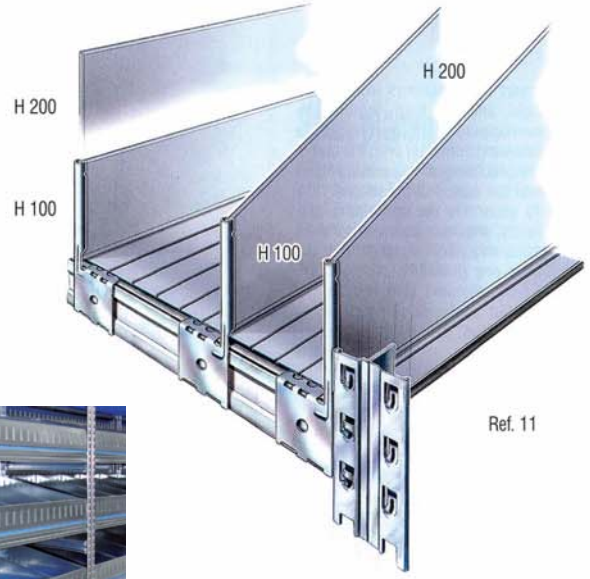


## DIVIDERS

A large range of dividers is available.

### Vertical Sliding Dividers

These have been designed to separate boxed items (Ref. 11). The concept of these dividers is based on the following components: a pair of clips, left and right, and vertical dividers, available for all frame depths and in two different heights (H100 mm / H200 mm), as well as in trapezoidal version (H200/100 mm).



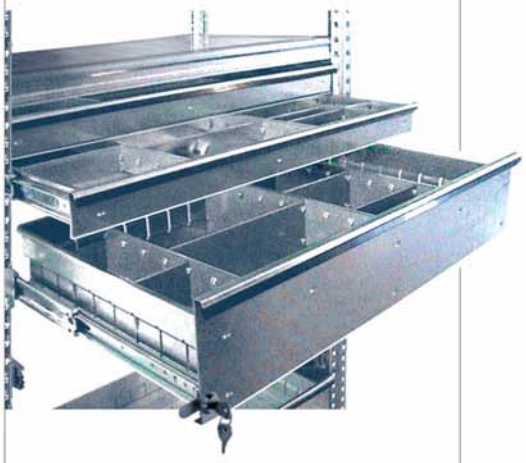
Ref. 11

### Shelf Trays

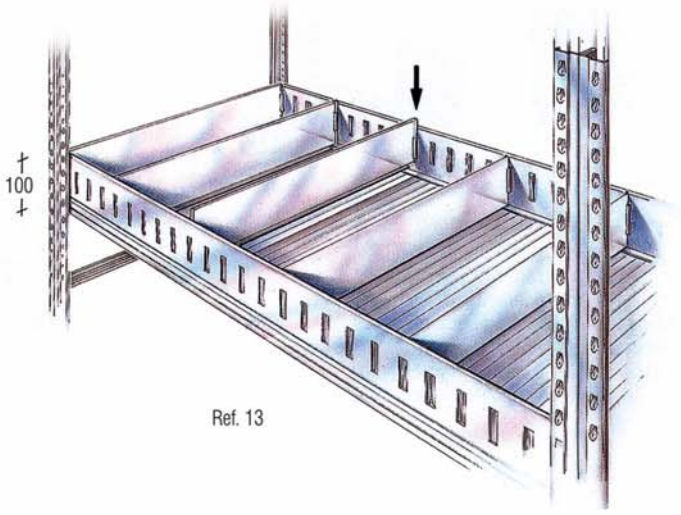
These comprise of a bin front and rear panel 100 mm high placed on a normal shelf with adjustable dividers from 320 to 800 mm in depth (Ref. 13).

### Modular Drawers

The modular drawers are fully integrated with the Super 1-2-3 series and are located directly on the frames.

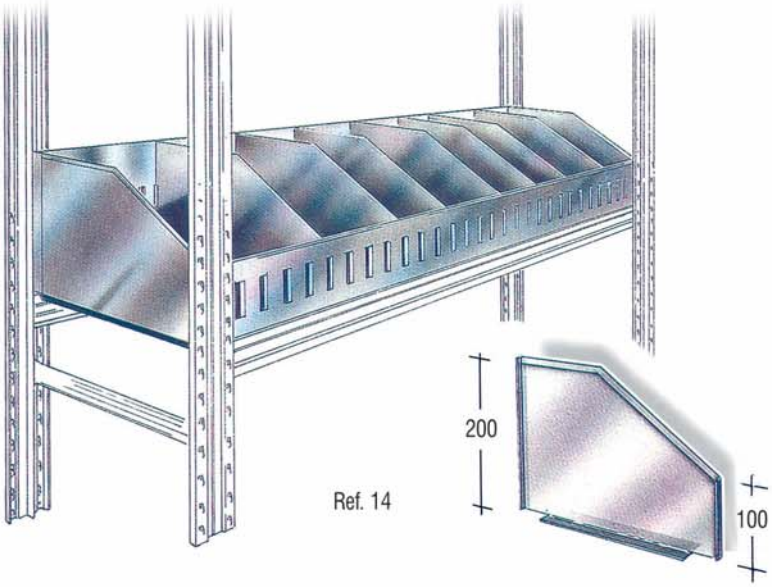


The drawers provide a cost effective solution for the storage of small items and may be fitted with a key lock.

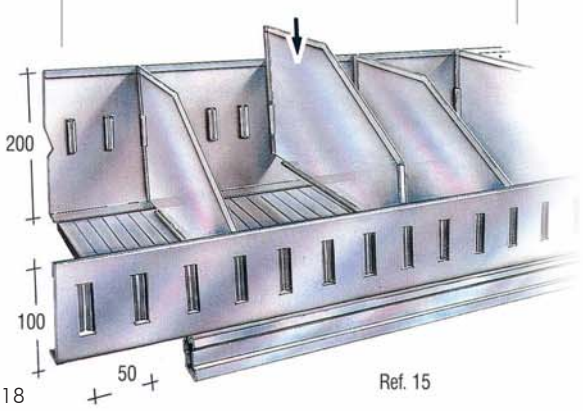


Ref. 13

Bin front panels 100 mm high and rear panels 200 mm high are fitted with trapezoidal dividers (Ref. 14/15).



Ref. 14



Ref. 15

## Plastic Line

Open fronted plastic bins are also available for the storage of loose items. More information on page 55.



## Fixed Height Dividers

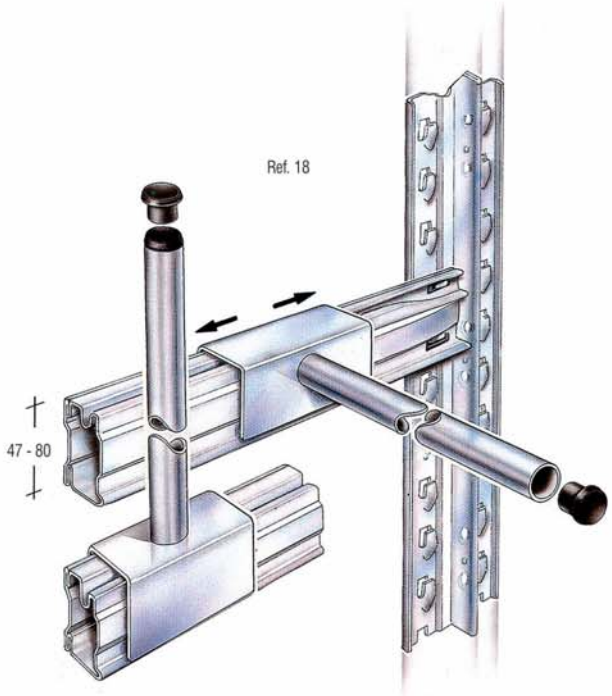
Available in three different heights: 244-344-444 mm.
They can be inserted in any position on the shelf by means of spring clips located on the beams H47 (Ref. 16).

## Telescopic Tube Dividers

Used for the separation of cylindrical components or materials difficult to store (windscreens and panels, etc.).
They comprise 2 tubes of 18 mm diameter sliding one inside the other.
They are fixed to the upper shelf by means of a clamp/screw connection (8mm). A minimum of two tubes should be used for each division (Ref. 17).

Ref. 17

Ref. 18




## Dividers for Exhaust Pipes

Spigots designed for the separation of tubes, exhausts and conduits, etc. Dividers for exhaust pipes are supplied for both vertical and horizontal divisions fitted directly to the beam (not to be loaded) (Ref. 18).

## Label Holder

It can be located in any position on both H47 and H80 beams. Dimensions 100x40 mm (Ref. 23).

# ACCESSORIES

## PVC Top Caps

PVC top caps are to be fitted onto the top of the upright, in all applications (Ref. 20).

## Oval shaped Tubes and Beams

The oval shaped beams and tubes are compatible with most types of hooks and provide a cost effective solution to garment storage and for hanging loads (Ref. 19/20). The garment hanging shelving can be designed on a single or double entry basis and equipped with shelves. The oval tubes fitted onto the spacer bars alone will not stabilise the structure in the horizontal plane and have to be combined with beams above and below.

## Tyre Storage

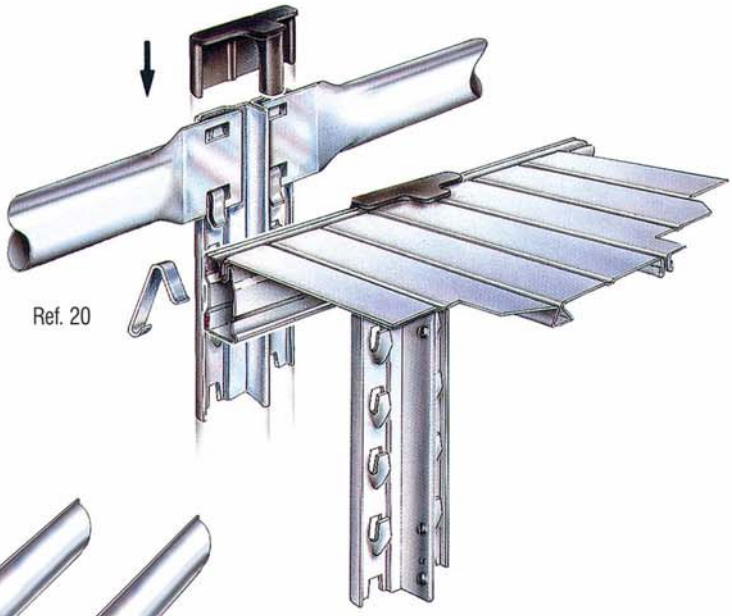
The oval shaped beams can also be used for the storage of tyres (see page 10).
In this case, please refer to the technical handbook to identity correct use and appropriate load capacities.
In the case that the tyres will be stored on H47 mm beams, it is obligatory to use the Super 3 version only and exclusively, both for the beams and the frames.
Maximum allowed bay length: 1200 mm.
Maximum allowed frame depth: 400 mm, to ensure safe storage and to prevent torsional deflection of the beams.

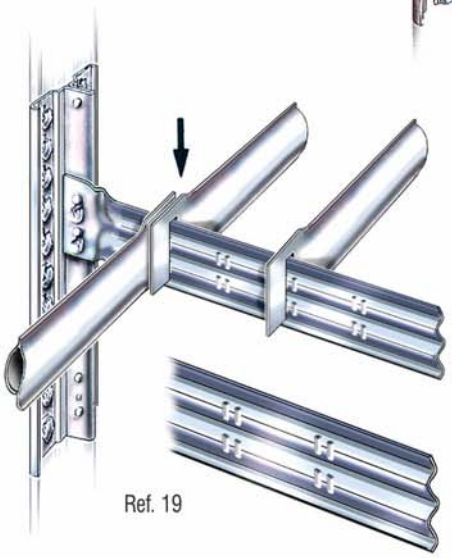
## Plastic Strip for Glass Shelves

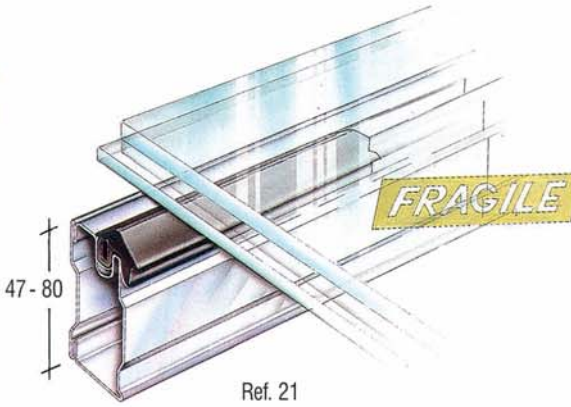
It can be fitted on the beams in order to protect glass shelves or delicate materials (Ref. 21).

## Security Pins

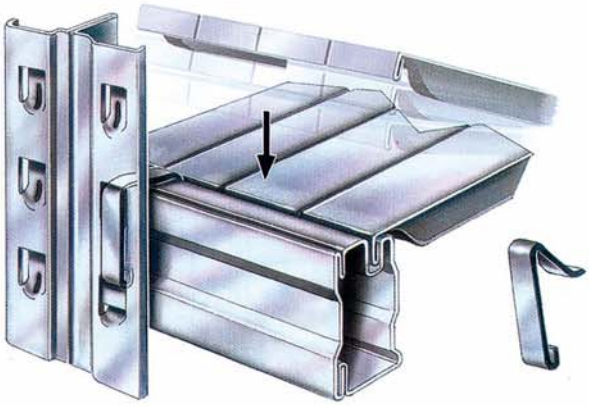
In order to prevent accidental lifting of the beams and shelves, the security pins should be used in all applications (Ref. 22).
Assembly instructions as per the sketch at right.

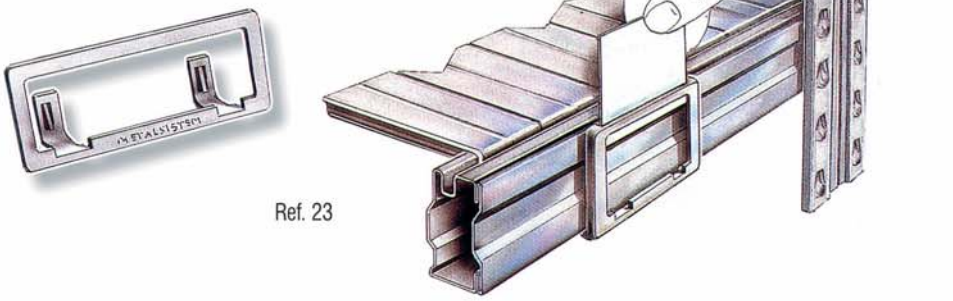

Ref. 20

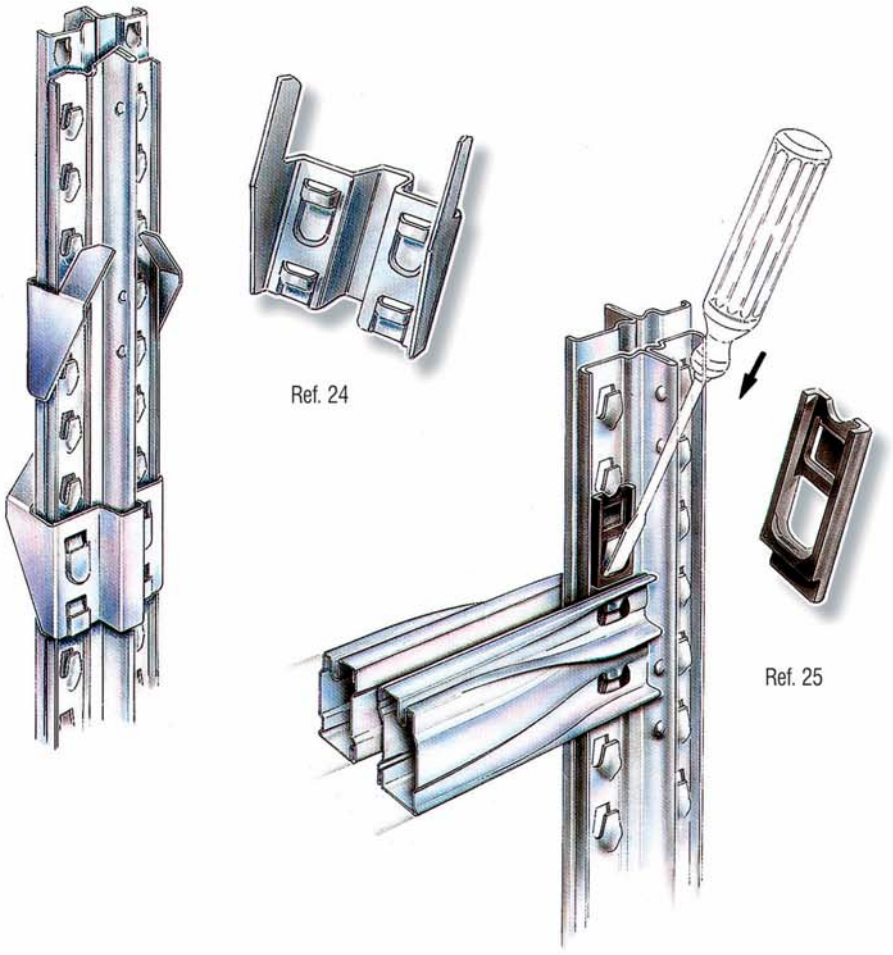

Ref. 19



Ref. 21


Ref. 22


Ref. 23




## Frame back-to-back Clips

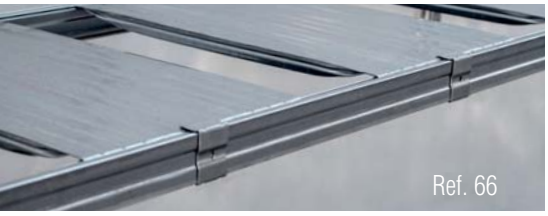
They are used to fix the frames together when building back-to-back bays to improve stability. They are located at mid height (Ref. 24).

## Security Pins for Beams in back-to-back Bays

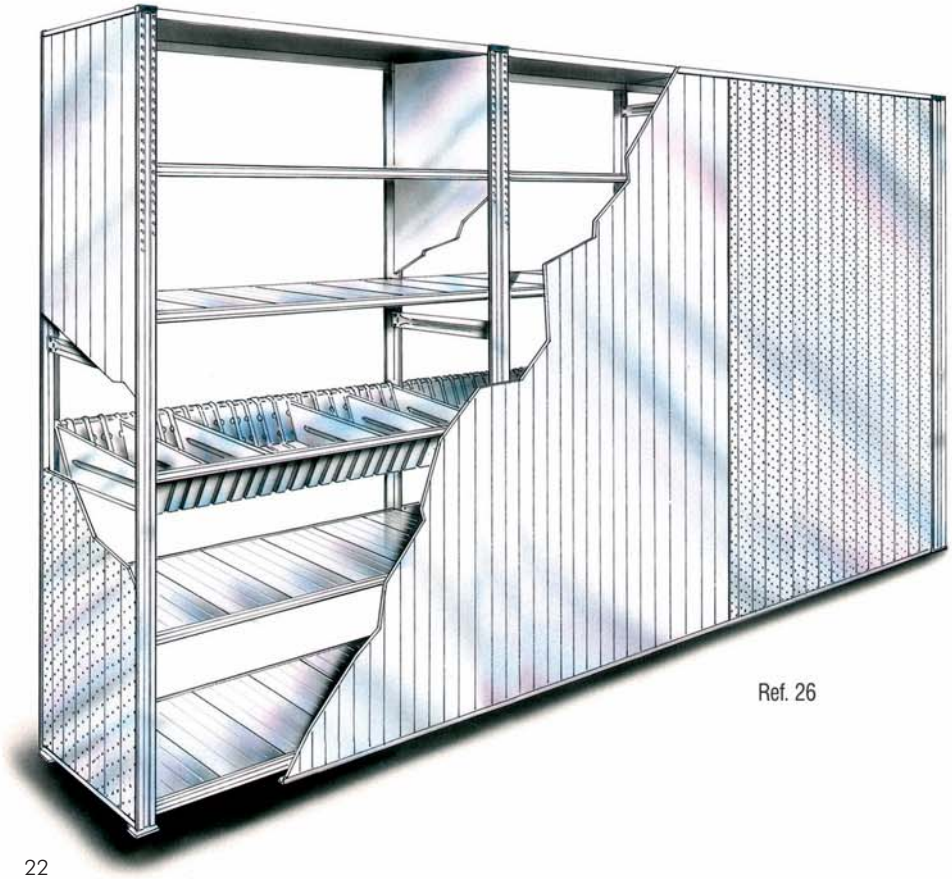
They are used to prevent accidental lifting of the beams when building back-to-back bays (Ref. 25).

## Fastening Clips for Shelf Panels

These fastening clips are an optional accessory, used to prevent shelf panels from being accidentally unseated from their position. They may also be used as a locking mechanism for the shelf panels to be firmly kept at a given position or at a distance to achieve 50% opening of the surface or alike. The clips press the shelf panels against the beams providing the added benefit of stiffening the entire system. They are assembled by hand and can easily be disassembled with the aid of a flat-bladed screwdriver as shown in the pictures (Ref. 66). Please refer to METALSISTEM Informa n° 672 for additional information.


Ref. 66


Ref. 66

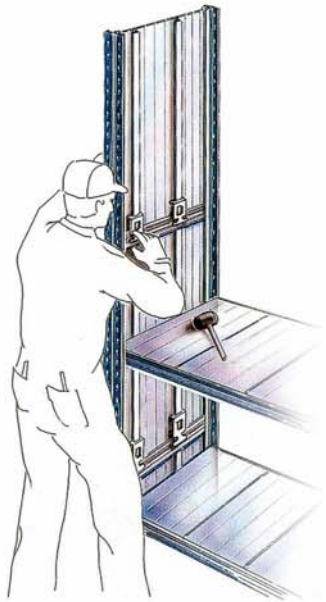

Ref. 26

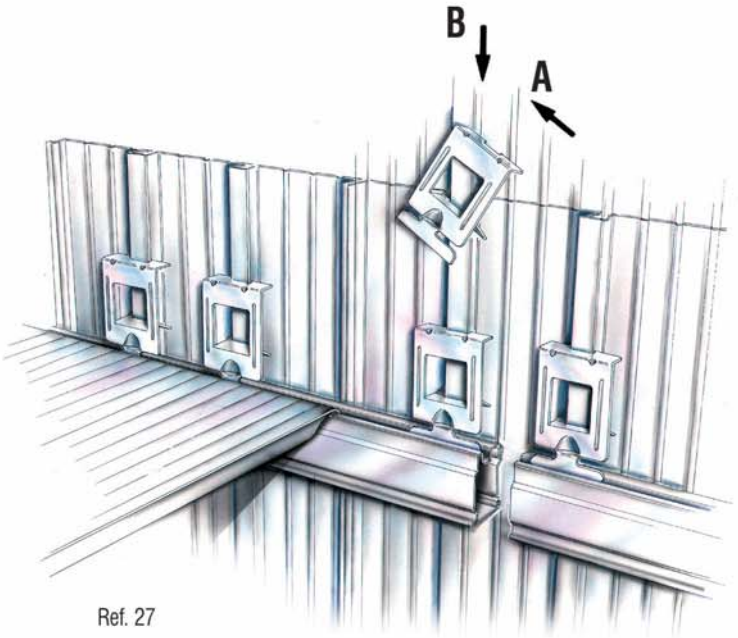
## CLADDING END PANELS H25

End panels H25 are manufactured in two standard sizes (200-300 mm wide) and in standard heights of 14485-1940-2480-2980 mm (Ref. 26). End and middle joints are also available to build multiple cladding heights and/or to finish off the cladding panels at their upper end (Ref. 31). In case of the cladding panels being lower than the respective frame, “H”-section profiles may be used at the bottom of the cladding panels, to achieve equal height (Ref. 31).

In case of the panels being lower then the respective frame, “H”-section profiles may be used at the bottom of the panels, to achieve equal height (Ref. 31).

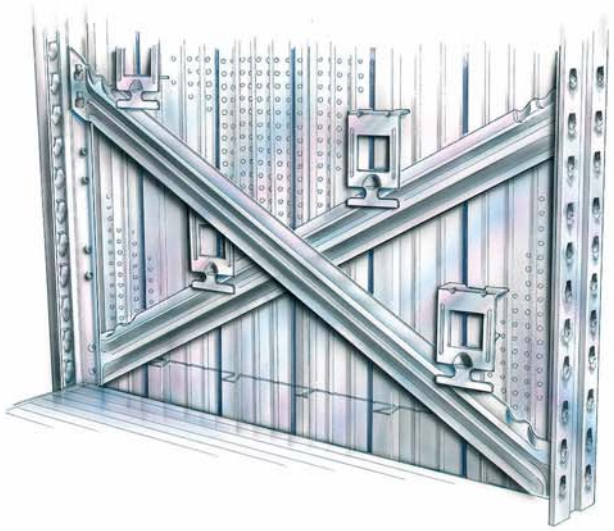
Punched hole panels H25 are also available, according to European Standards (i.e. hole diameter of 5 mm, at 25 mm centre distance).
Special clips are used to fasten the cladding panels. For end panels it is the clip art. code n° 68107.95 (Ref. 28), for back panels H29 mm it is the clip art. code n° 68108.95 and for back panels H12 mm the clip 67010.95 (Ref. 27).

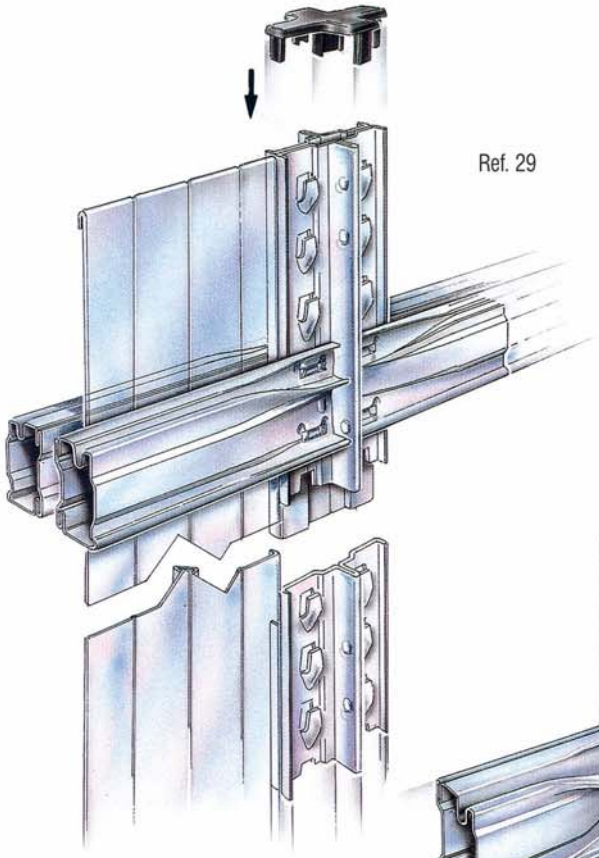




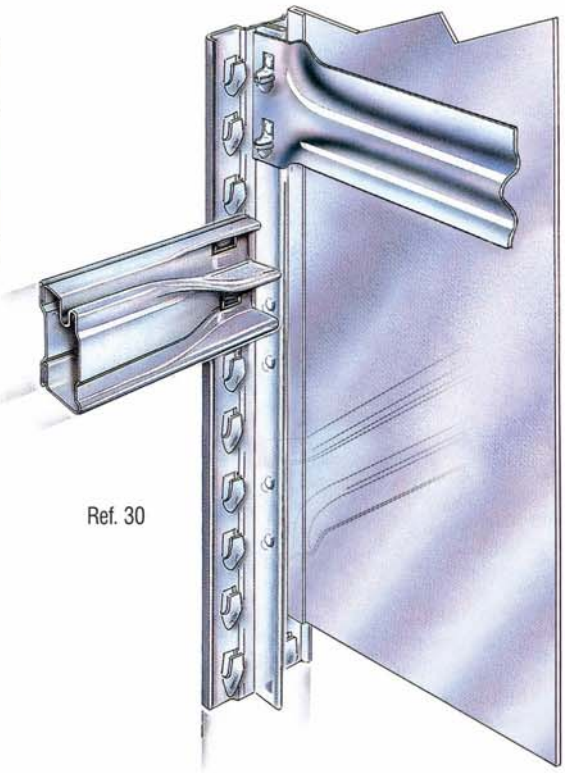

Ref. 27

Ref. 28





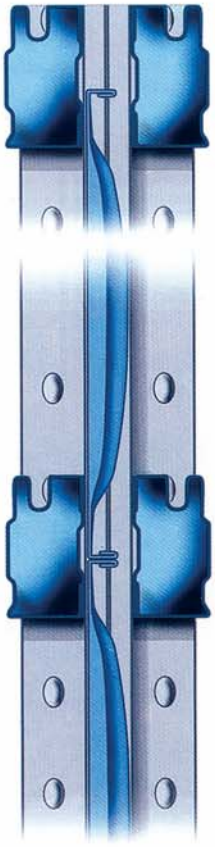
Ref. 29

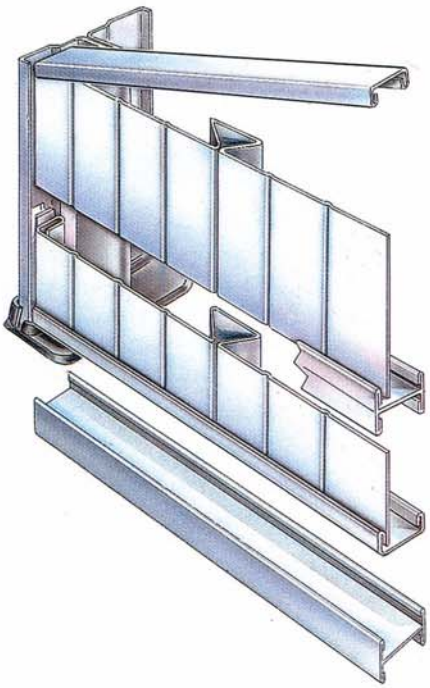


Ref. 30

## Side Cladding

This type of cladding may be used to enclose individual bays within shelving runs. Available for frame depths up to 600 mm. Side cladding panels are fitted between the diagonal spacer bars of the frames. When ordering side frame claddings, the respective frames are to be built with diagonal spacer bars only, i.e. the horizontal spacer bars have to be replaced with diagonals (Ref. 30).





Ref. 31

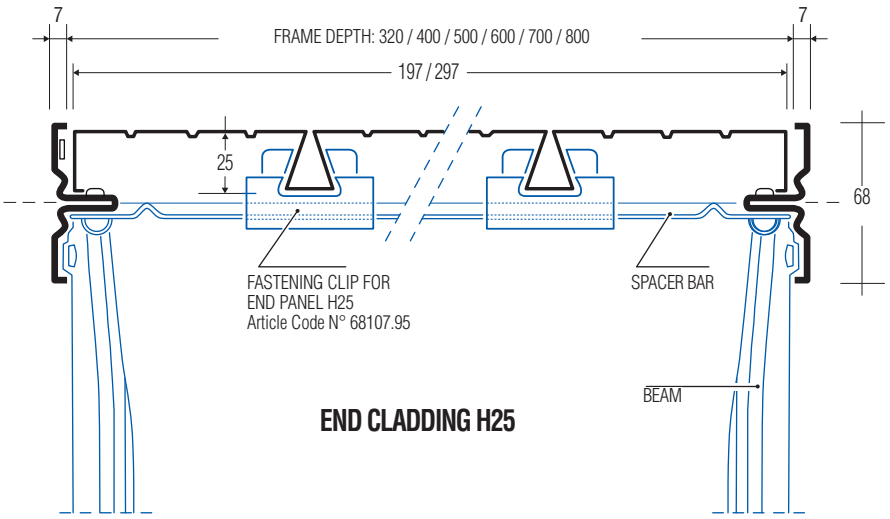
## MODULAR SLIDING GATE

The modular METALSISTEM sliding gates are supplied preassembled, in kit form. Two different models are available: with guide rail assembled on the ground or with external, suspended guide rails, made from a USP upright profile supplied in standard lengths of 4500 mm which has to be cut to size on site according to individual needs. For available dimensions and ordering, please refer to page 50 of this brochure.

## Cladding BACK PANELS H12 mm for back-to-back Bays

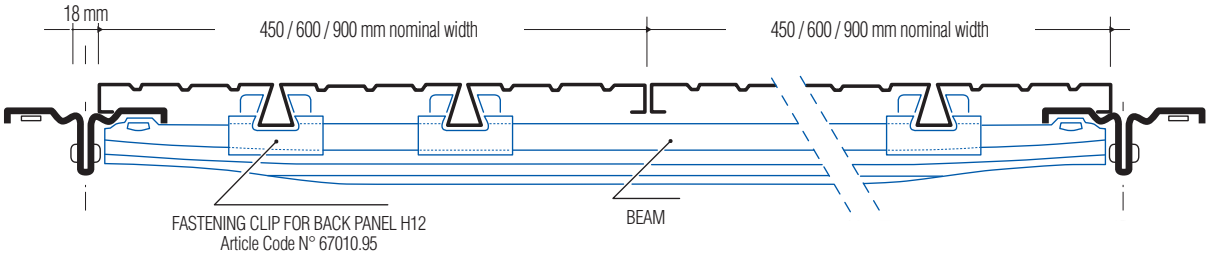
Back panels H12 are manufactured in 450-600-900 mm standard width and in standard heights of 1485-1940-2480-2980 mm (Ref. 29). When using H12 mm panels within back-to-back bays, the single modules are superposed at the center of the bay (see sketch below). The cladding modules are kept in position by the beams of the back-to-back bays.
For multiple cladding heights, a couple of beams has to be located at junction points (Ref. 31).

*The sketches shown below and beside explain the design and assembly of the various cladding components.*

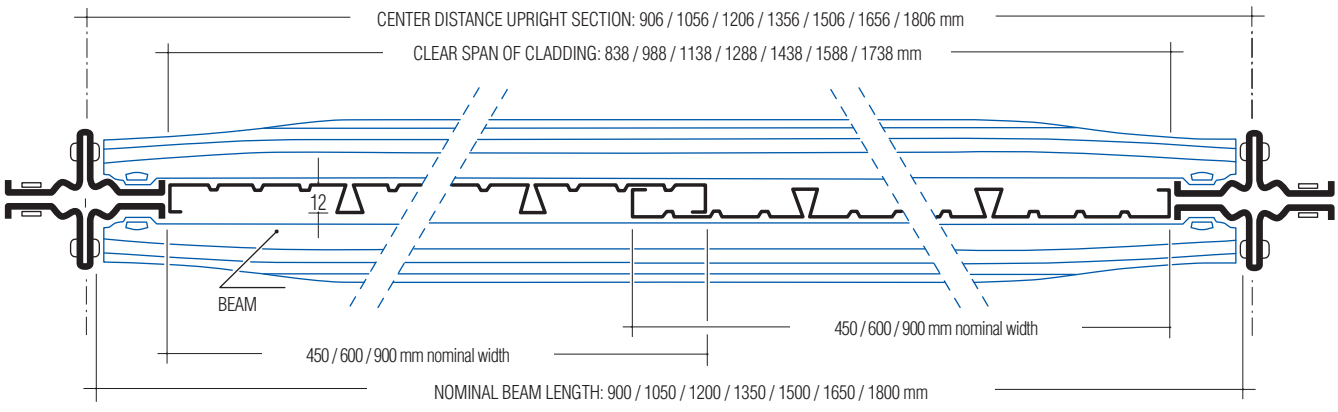



**END CLADDING H25**

### BACK CLADDING H12 for single sided rows

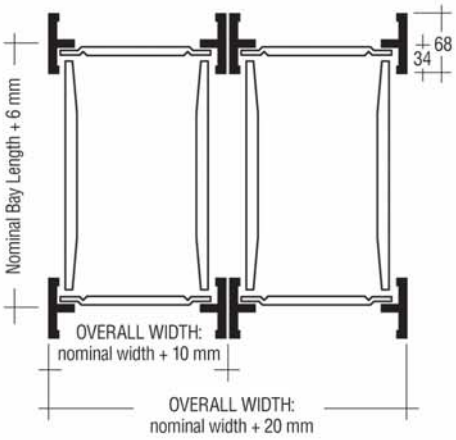



### BACK CLADDING H12 for back to back bays



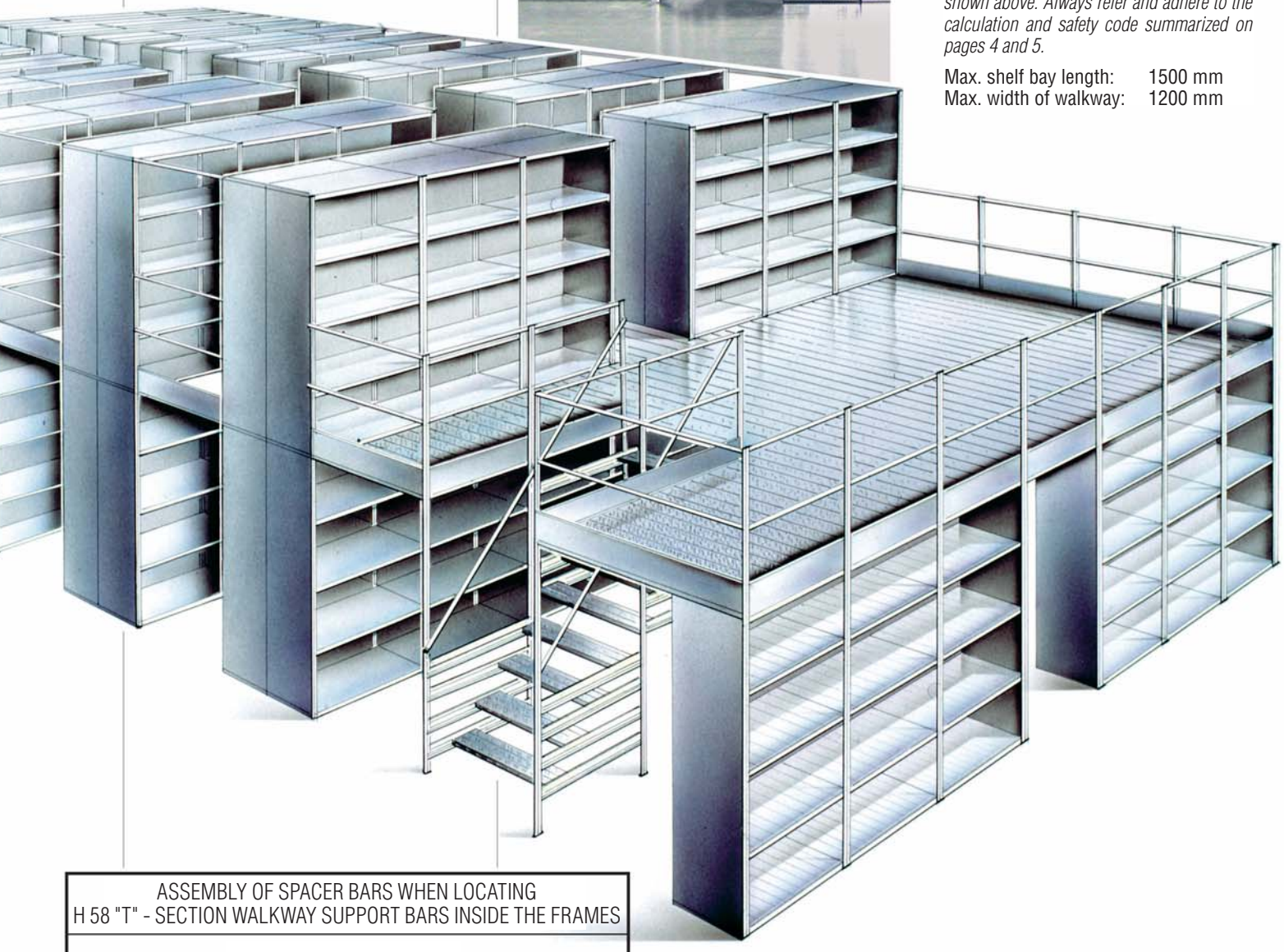
## Super 3 Two-Tier-Structures with suspended walkways
### (max. load bearing capacity = 300 daN/m²)

Two tier structures, even varied and complex have been designed by METALSISTEM combining light weight with high strength in the METALSISTEM tradition, avoiding any type of bolting or welding.

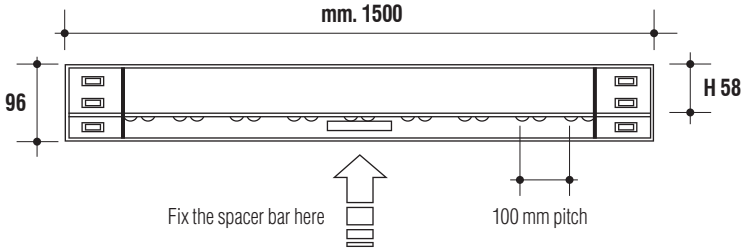




*When designing two tier structures, consider the dimensions and details of the sketch shown above. Always refer and adhere to the calculation and safety code summarized on pages 4 and 5.*

Max. shelf bay length: 1500 mm
Max. width of walkway: 1200 mm

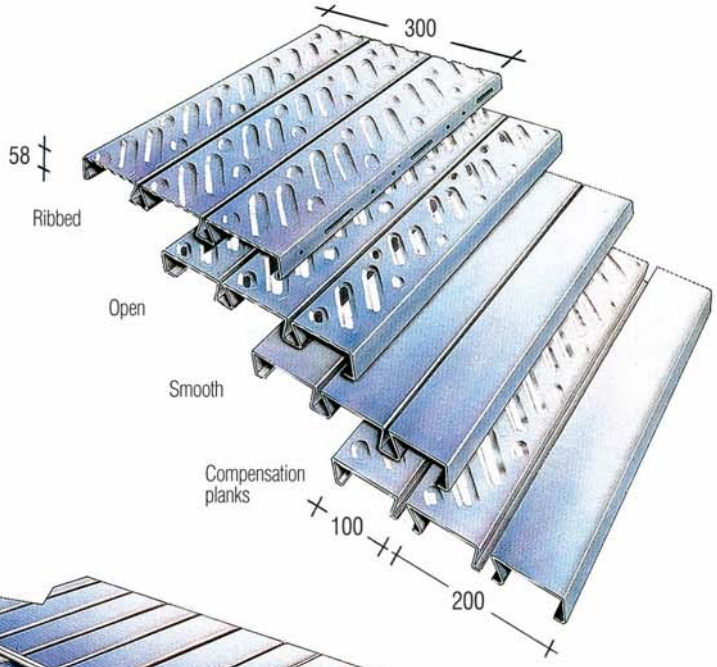


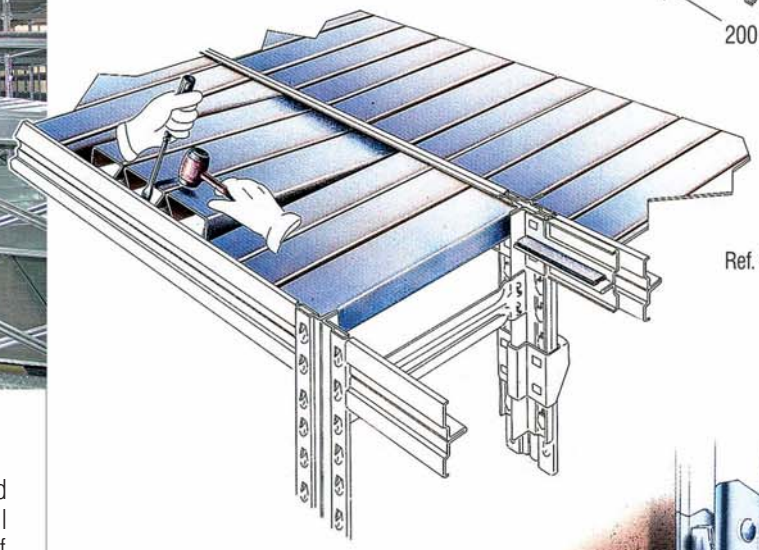
| ASSEMBLY OF SPACER BARS WHEN LOCATING H 58 "T" - SECTION WALKWAY SUPPORT BARS INSIDE THE FRAMES |
|---|
| L 900 : NO SPACER BAR |
| L 1200 : ONE SPACER BAR AT THE CENTRE |
| L 1500 : ONE SPACER BAR AT THE CENTRE |
| *NOTE:* • The spacer bars connecting the "T"-walkway support bars must be ordered in a special length (10 mm narrower than those used to assemble the standard frame).<br>• When building staircases, customers should fit one spacer bar under each stair tread. |



## Steel Planks

These can be supplied with three different surfaces: ribbed, open and smooth, together with compensation panels and fastening components. The steel planks are inserted into the "T"-section supports by levering bet-ween the panel and the support (Ref. 32). There are two types of steel planks: one
for walk-through bays and one for walkways. When ordering, always refer to the length of the respective spacer bar used for building the walkway or the frames (see page 48).

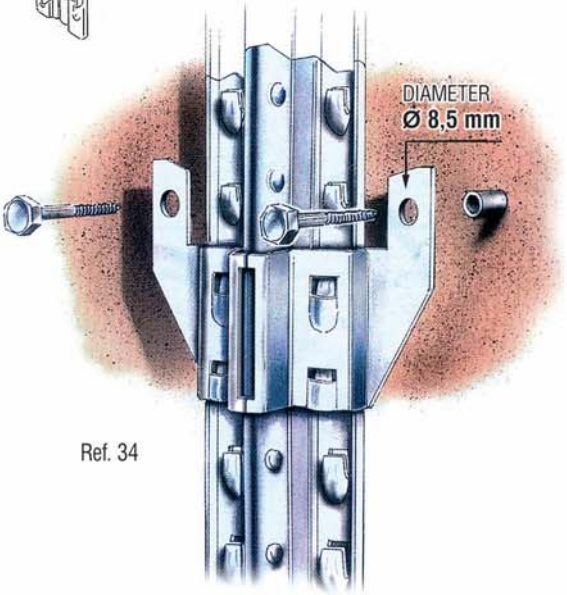


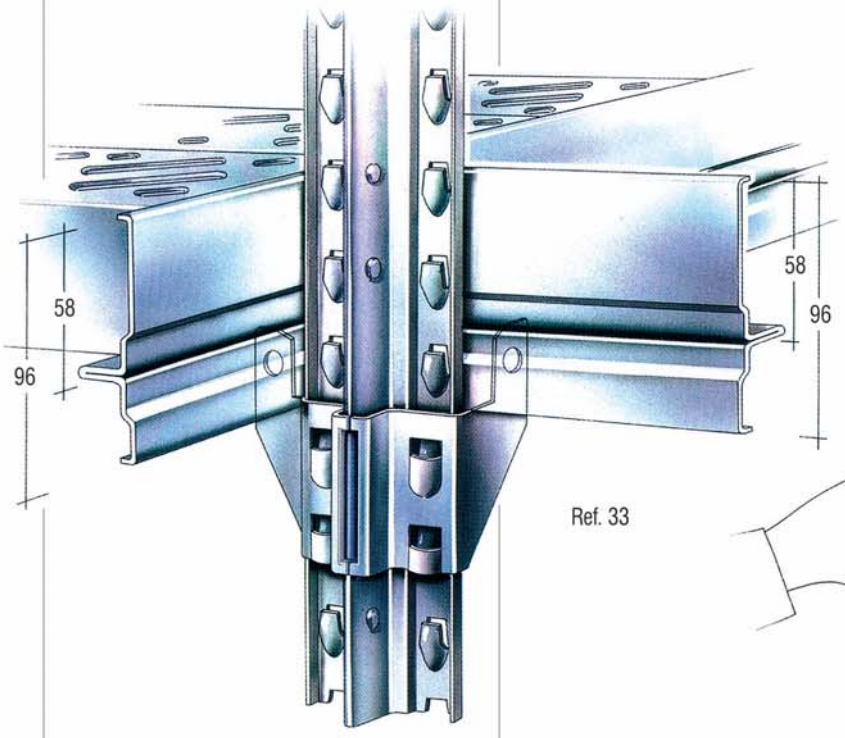
Ref. 32

## "T"-Section Support Bracket - at 90°

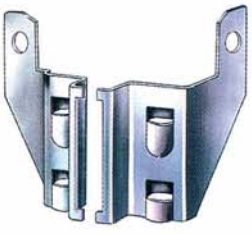
"T"-Section support bars can be located at 90° by assembling one half of a wall fastening bracket (art. n° 65022.95 - Ref. 34) and one half of a "T"-section support bracket (art. n° 67022.95 - Ref. 33).
Wall fastening brackets are also available, similar to the above, providing a method to fix the frames to a wall for stability (Ref. 34).

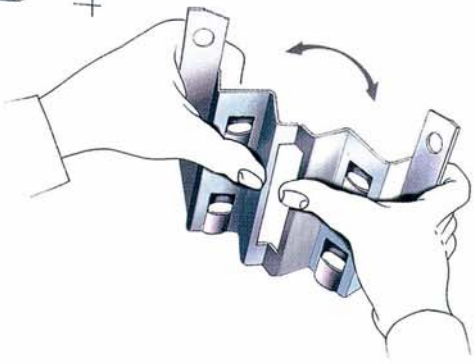



Ref. 34

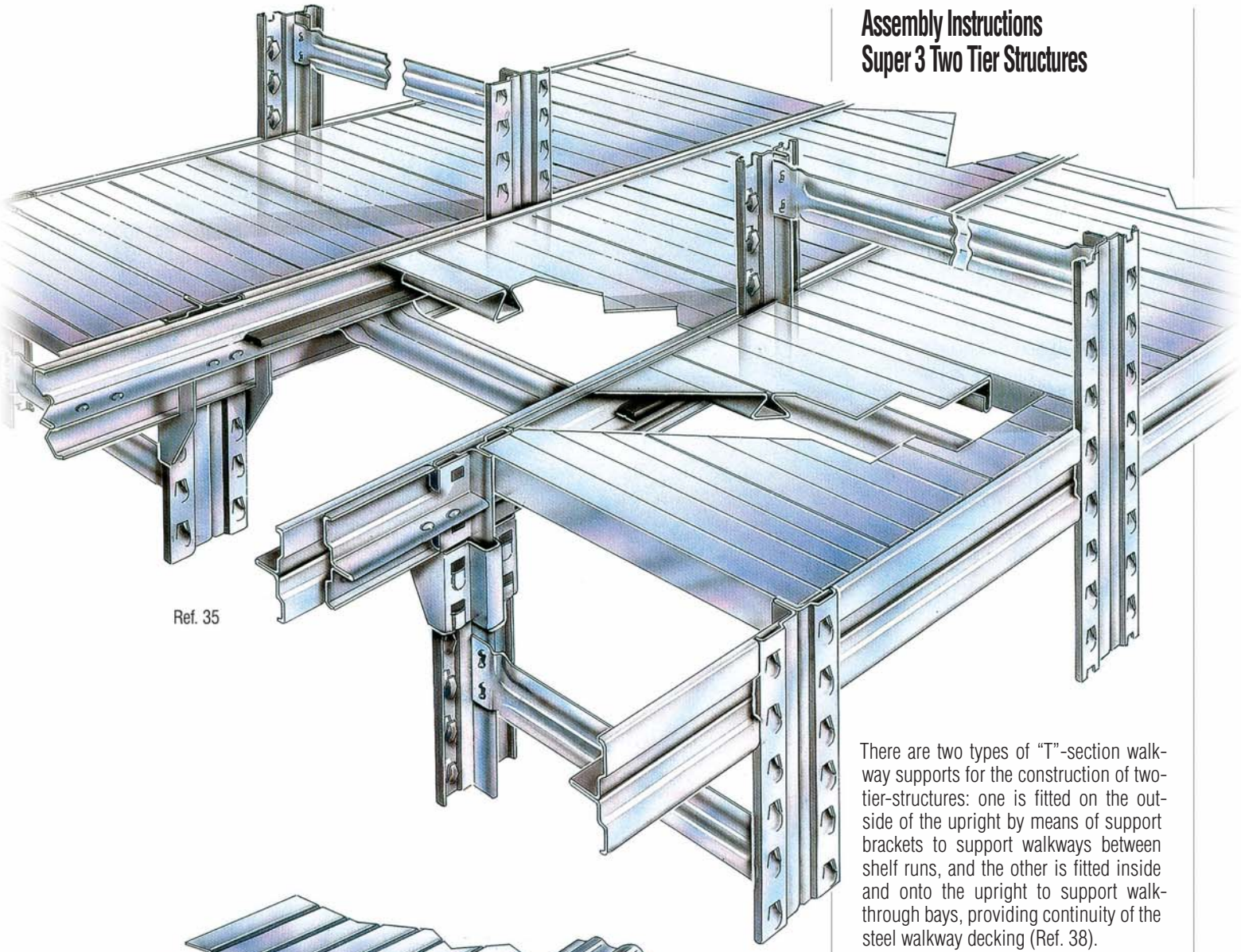



Ref. 33





# Assembly Instructions
# Super 3 Two Tier Structures



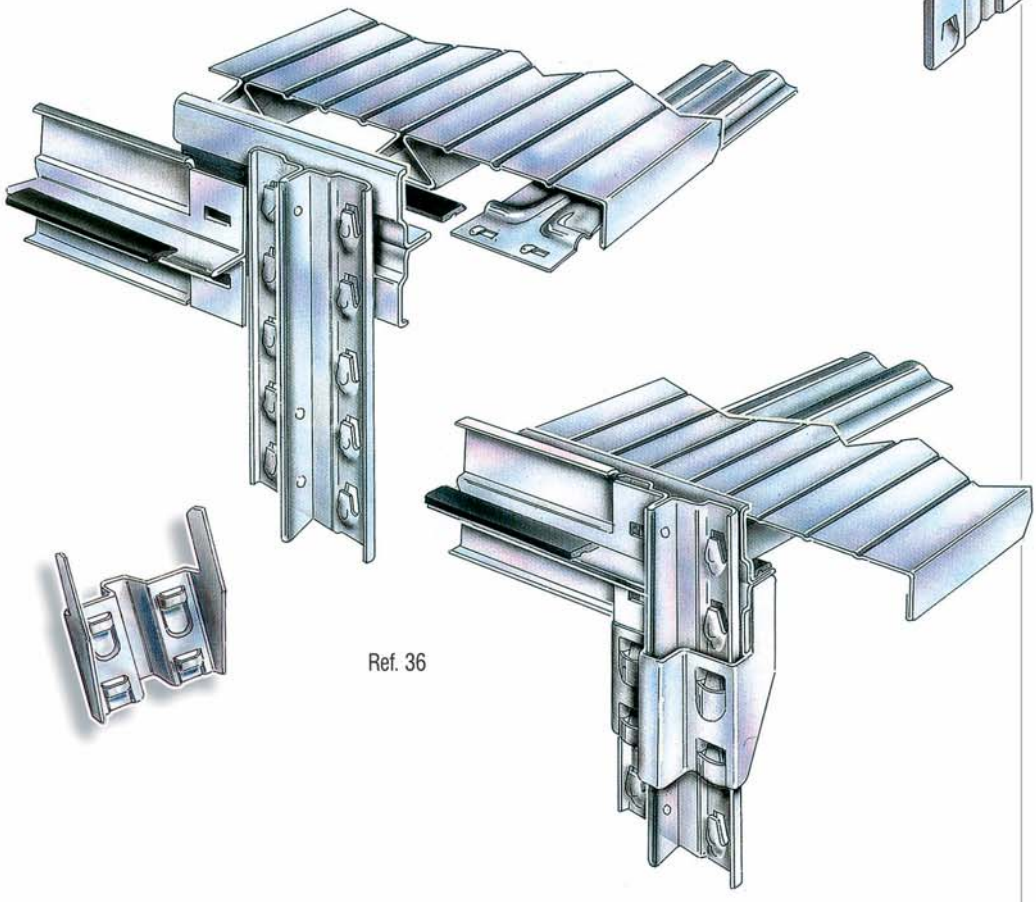
Ref. 35

There are two types of “T”-section walkway supports for the construction of two-tier-structures: one is fitted on the outside of the upright by means of support brackets to support walkways between shelf runs, and the other is fitted inside and onto the upright to support walk-through bays, providing continuity of the steel walkway decking (Ref. 38).

The nibs on the “T”-section walkway support beams H58 allow these beams to be connected between them by means of spacer bars being 10 mm narrower than those used to assemble the respective frame (Ref. 35). To reduce noise, a PVC strip is fitted between the steel planks and the ”T”-section support bars (Ref. 37).

To achieve a correct assembly of the “T”-section support beams within walkways (art. n° 67015.95) these spacer bars must be located under the walkway support beams, at centre distances of 800 mm approximately (Ref. 35/36).

In order to avoid sharp edges, the ”T”-section supports should be assembled with an overhang of about 2 cm and finished off with plastic top caps (Ref. 42).

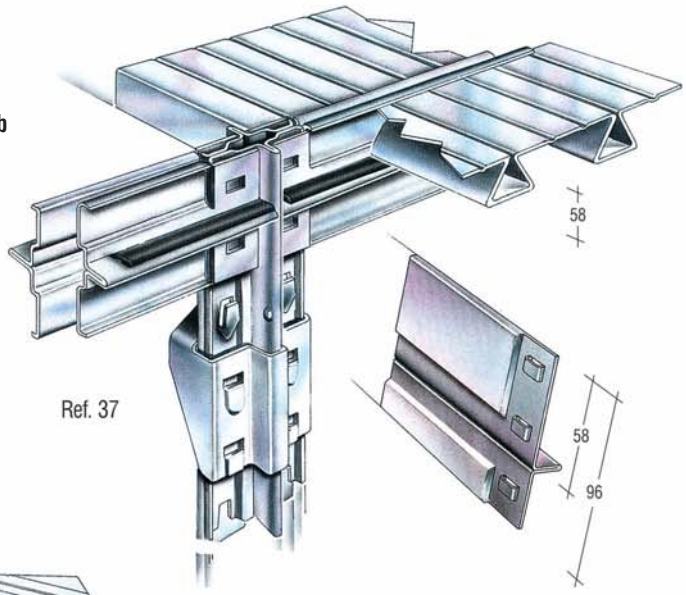


Ref. 36

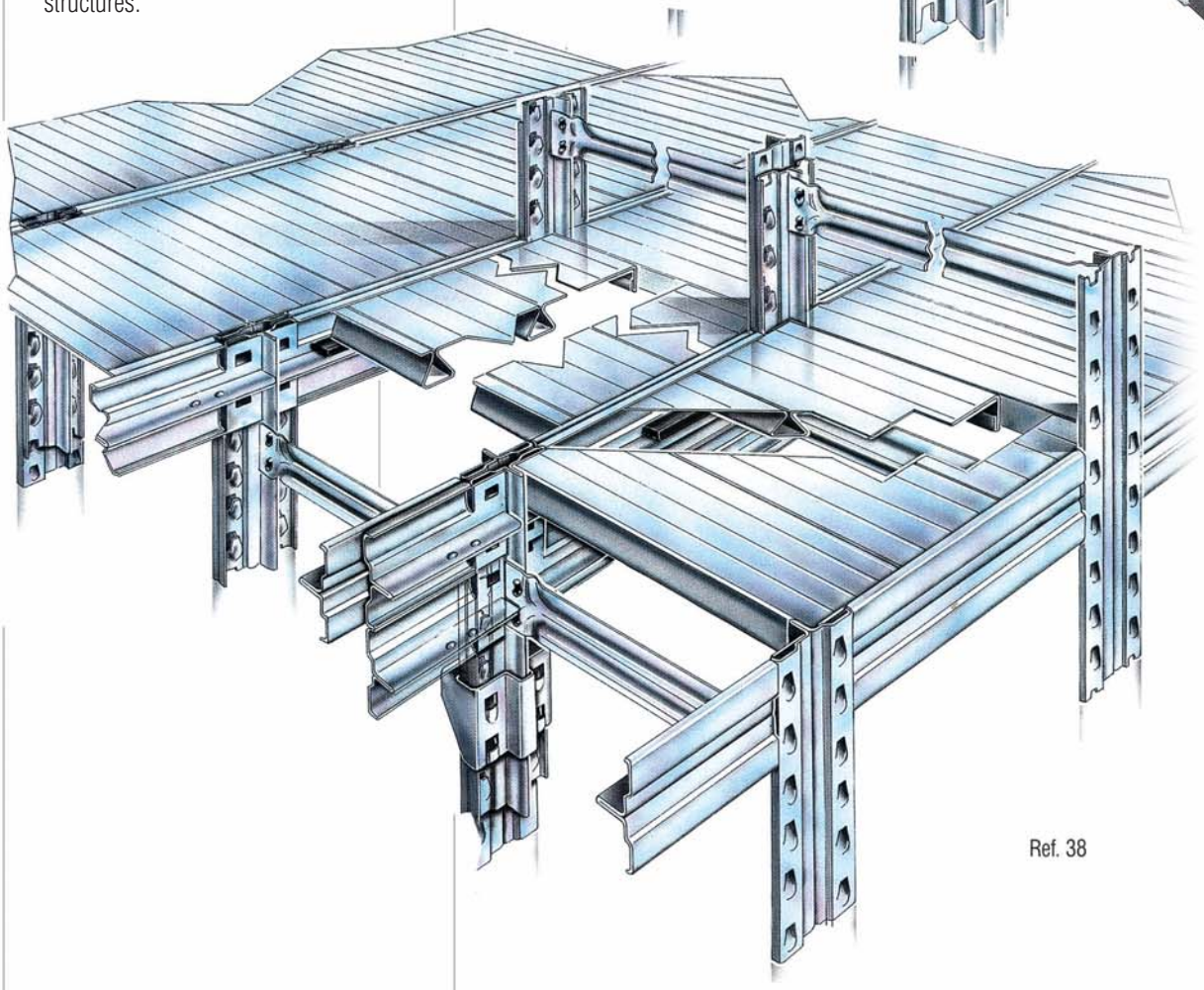
For fixing back-to-back frames together use the two-tier support bracket, bending the tongues behind the second upright, as shown on Ref. 37.

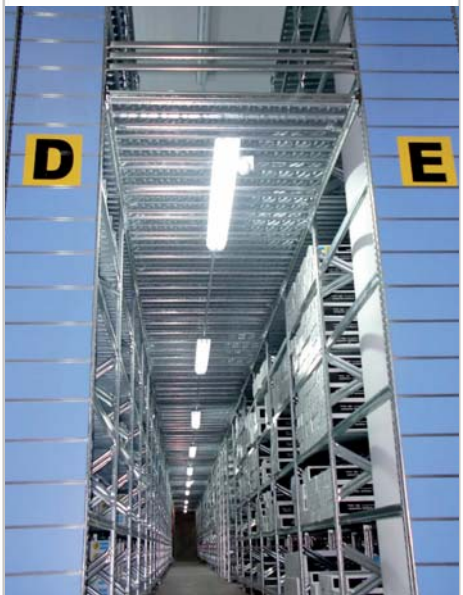
When designing two-tier structures, remember that the overall width of every frame and every walkway will be about 10 mm more than the length of the spacer bar used. Also, when calculating the total length of runs, allow tor approximately 6 mm of “creep” per bay (see page 26).
When using any other type of flooring, it is important to note that the floor panel itself will be 4 mm narrower than the spacer bars used to assemble the walkways and respectively 12 mm narrower than the spacer bars used to assemble walk-through bays.
In all cases, only Super 3 components should be used when designing two-tier-structures.

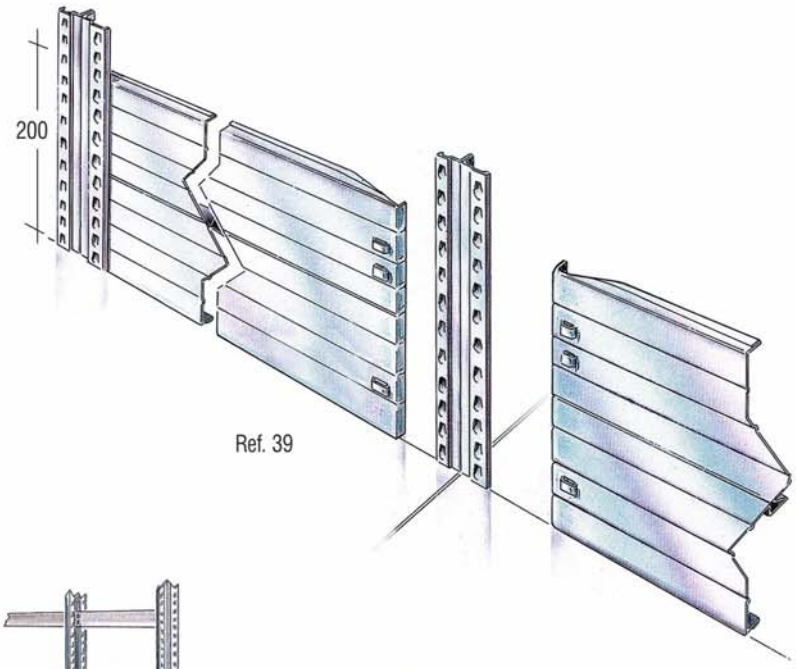
**See more on the web**



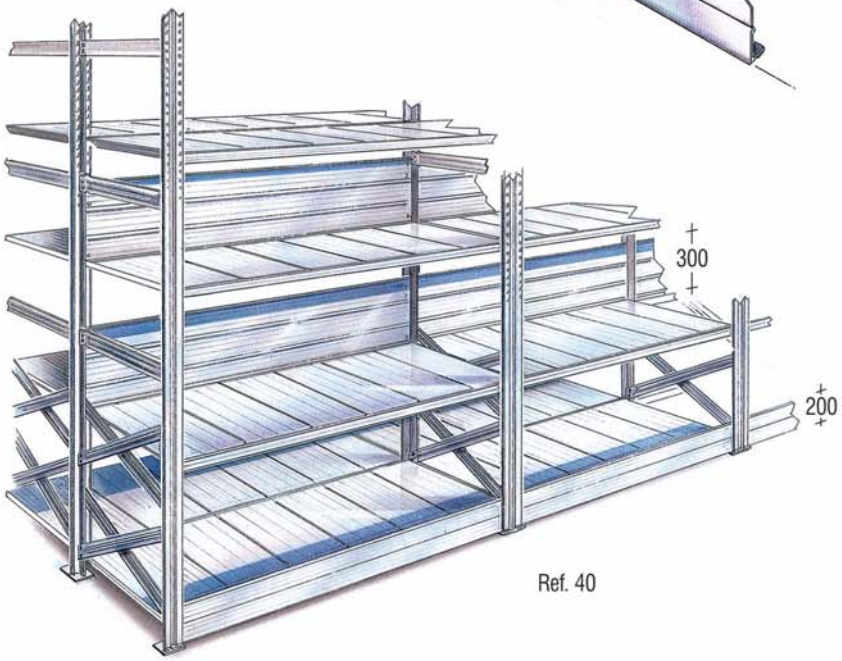
Ref. 37


Ref. 38

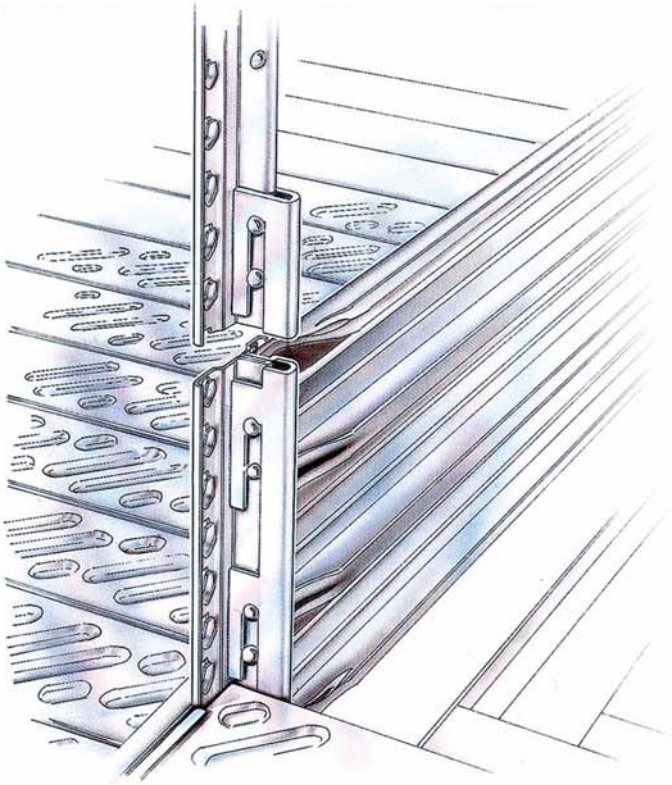



Ref. 39



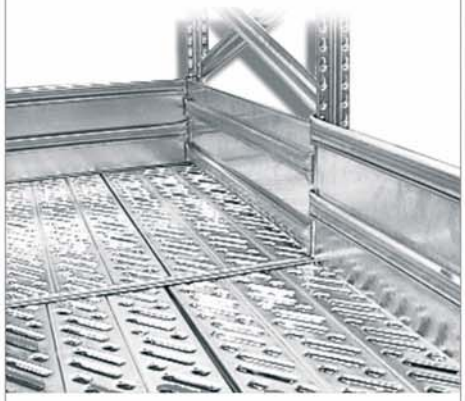

Ref. 40



Ref. 50

## Kickboards

Three different types of kickboards are available: for use in the direction of the beams, at the end of a run within uprights, or for walkway ends.
Kickboards are made from two oval shaped tubes (the same items used to build the handrails) fixed to the uprights and finished oft with a metal sheet element located onto the oval shaped tubes by self tapping screws.
For correct ordering of these items and dimensions, please see instructions on page 50 of this brochure.
The use of beam retaining clips is mandatory.



In the direction of the beams, shelf boards are available in two different heights, 200 or 300 mm (art. n° 64016.95 - 64040.95). These items have flanged ends with slots to be located onto the uprights (Ref. 39/40).

## Upright Reinforcement

Uprights that are used as newel posts for handrail should always be fitted with the reinforcing brackets shown (Ref. 50).

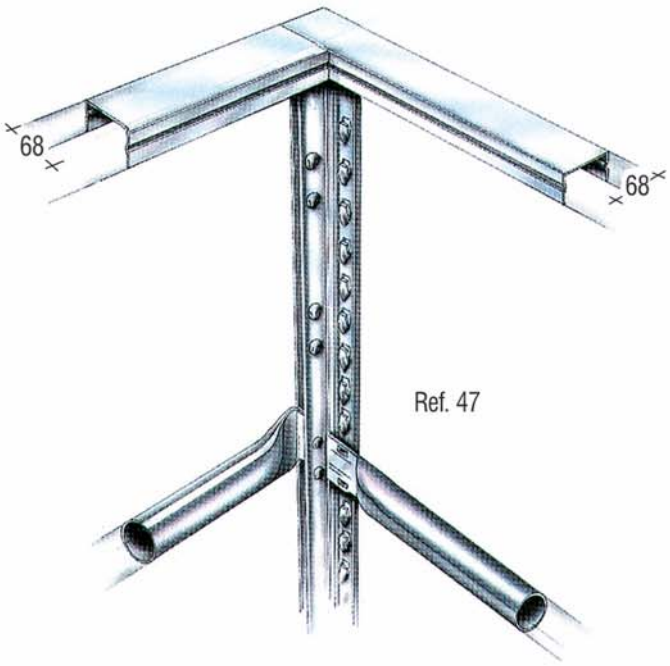
## Staircase Handrails

The handrail tube is a square profile in ⌑ 32x32 mm section, available in both stainless steel and zinc coated version.
The fastening of the handrail onto the uprights is made by nylon components and brackets, as shown in the picture below (Ref. 45).
The necessary components have been included into a macro code, for easy ordering. Please refer to page 52 of this brochure.

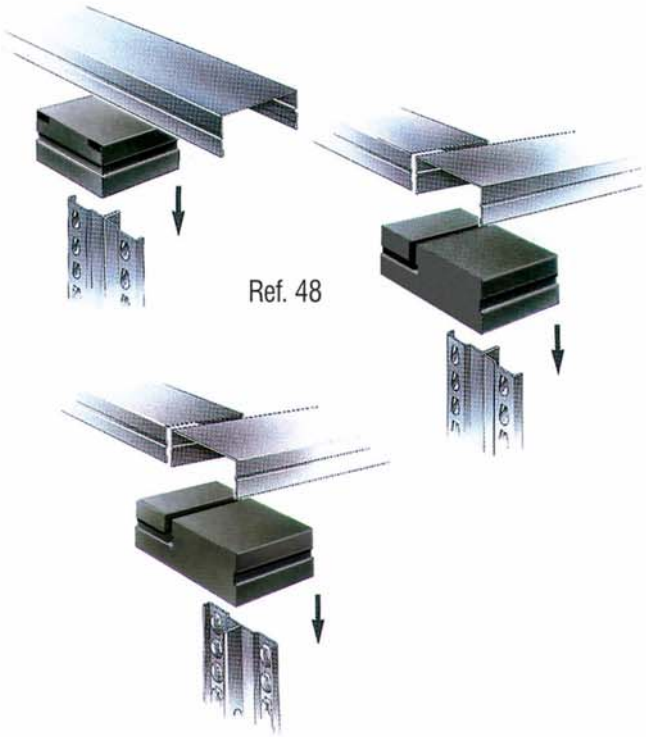

Ref. 45

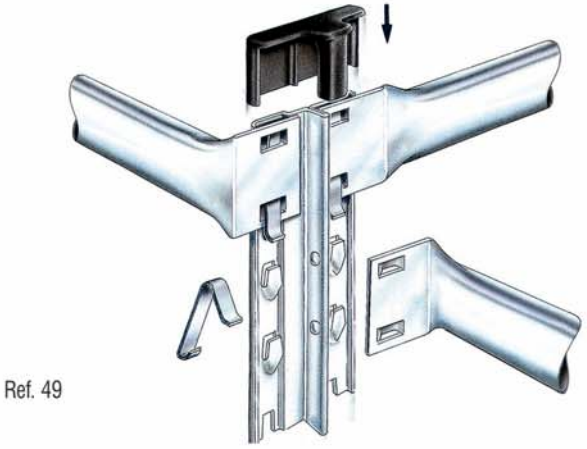
## Hand Rails

Hand rails and knee rails are made from oval shaped beams (Ref. 49). For correct ordering of these items, please see instructions on page 50 of this brochure.
The use of beam retaining clips and upright tops caps is mandatory.
Handrails on two-tier structures may also be built with "U"-Section profiles assembled in conjunction with special PVC supports (Ref. 47-48).
These supports can also be used to finish off the handrails at their ends.



Ref. 47

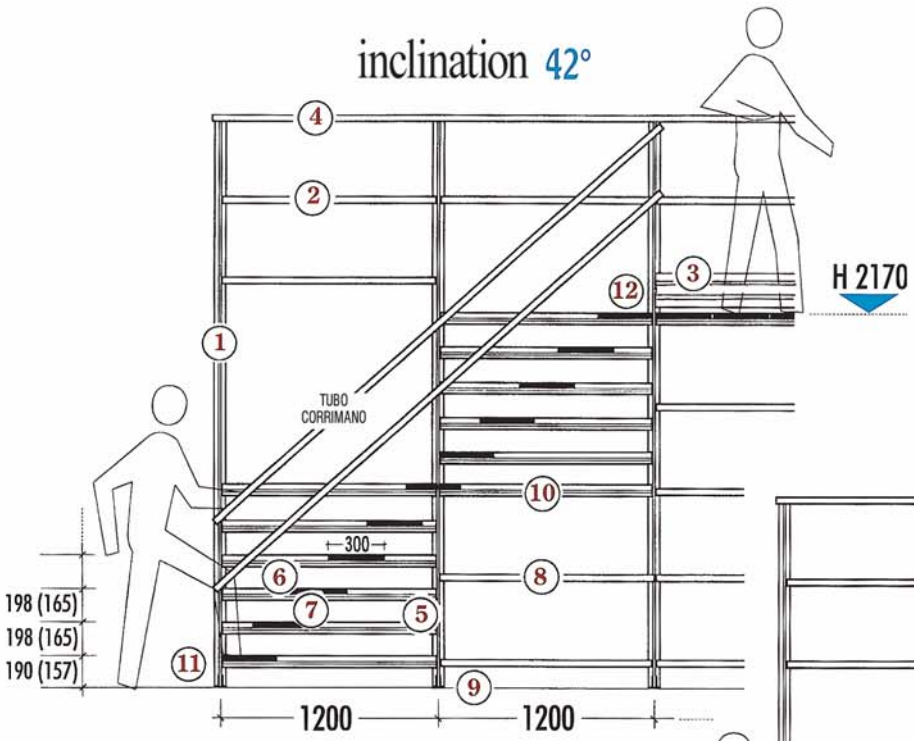

Ref. 48

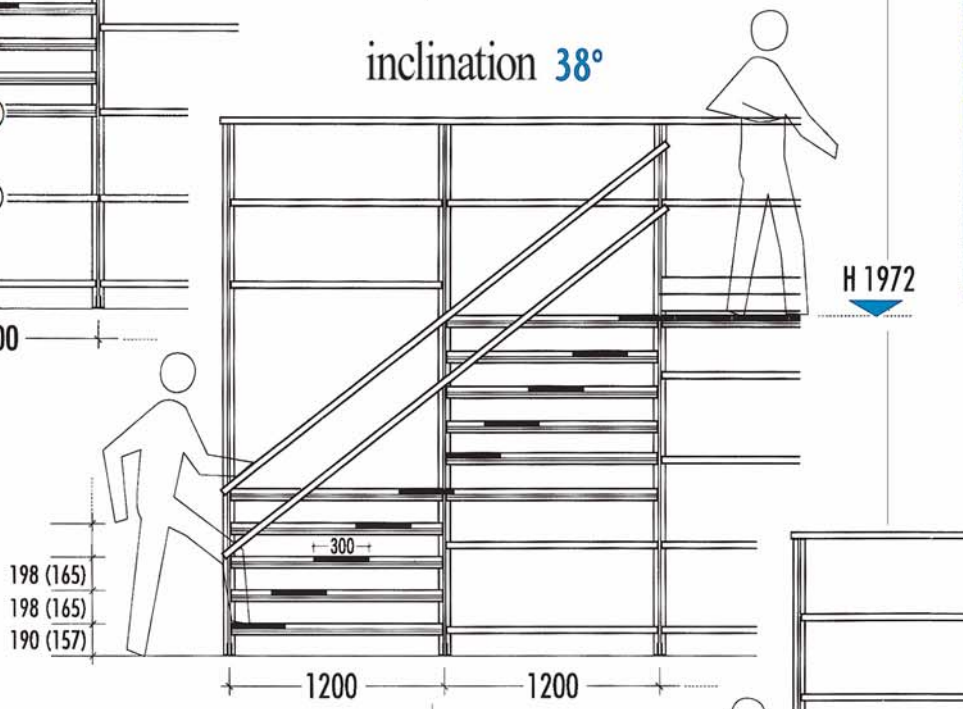

Ref. 49

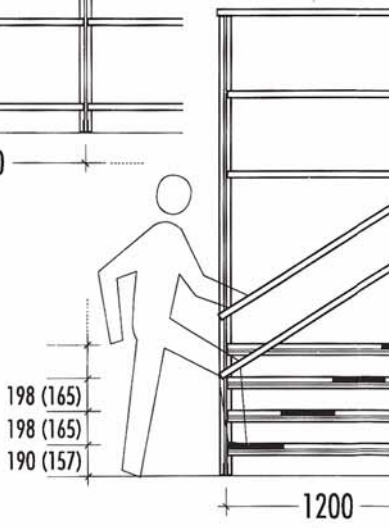
## STAIRCASES

Staircases can be built using standard components and integrated into Super 3 two-tier structures. The stair treads are fixed with four clamps / screws each (art. n° 69829.95 + 00056.20).
Under each stair tread, one spacer bar has to be assembled into the "T"-section support bar H58, to improve the overall stability of the construction.
Staircases have to be adequately reinforced. It is mandatory to use reinforced uprights (art. n° 99230--.95 Unirack upright profile in variable height, riveted back-to-back onto the Super 3 upright).
The Super 3 uprights needs to be equipped with the heavy duty metal base plate (art. n° 67006.95) whereas the Unirack profile is assembled with the standard metal base plate (art. n° SLACC001.95). Plastic top caps are to be located on top of the Super 3 uprights whereas the Unirack upright is already finished off with its upper top cap and will come preassembled, ready for use.
Super 3 uprights are available in a 132 mm pitch in height and may be or-

Ref. 44

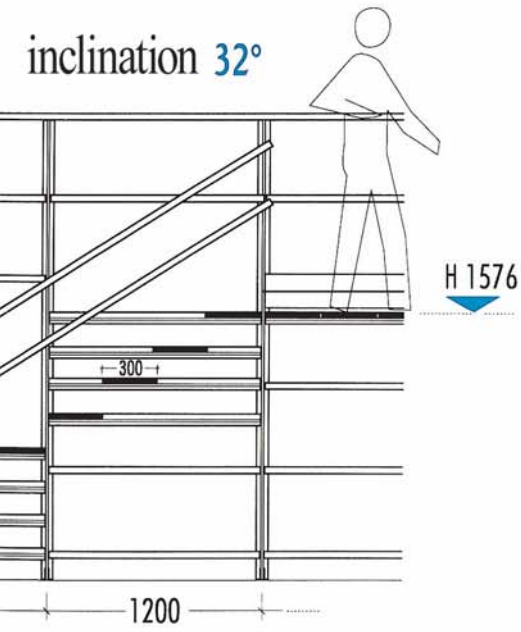


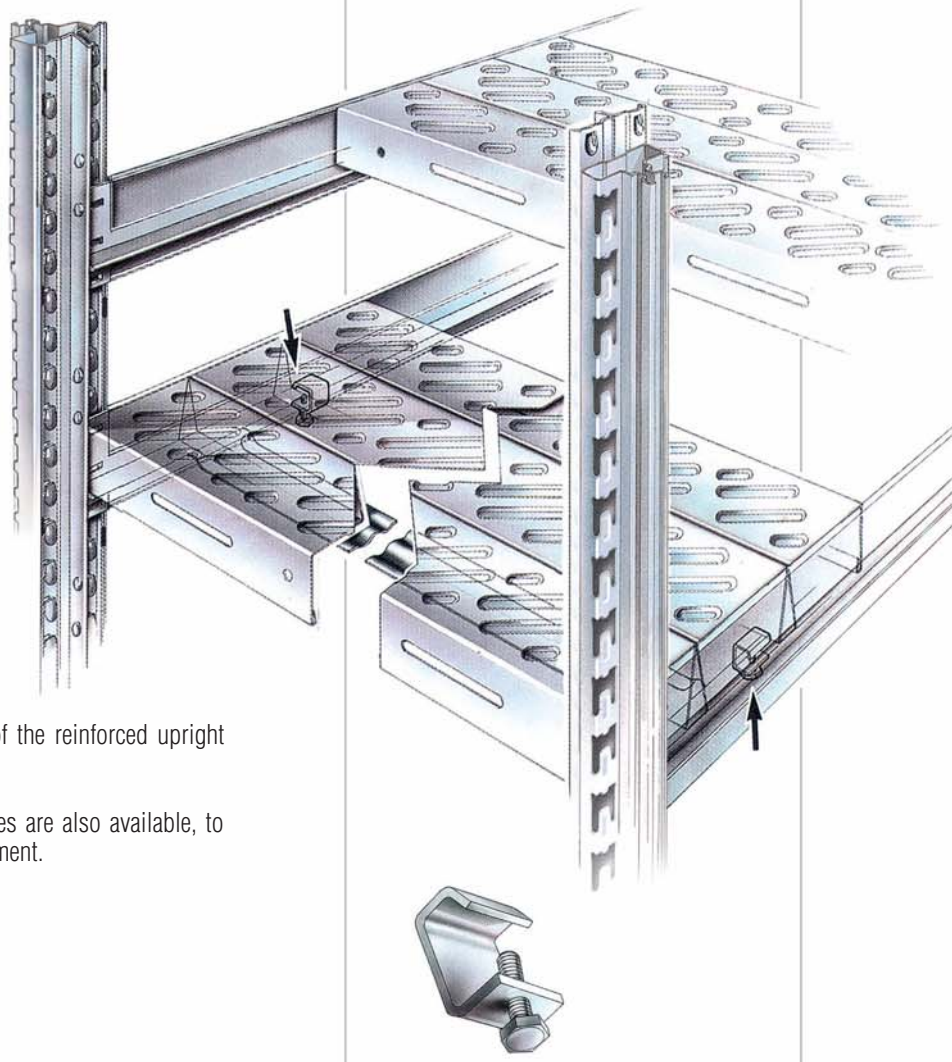




| | | | |
|---|---|---|---|
| 1 | REINFORCED UPRIGHT | 7 | STAIR TREAD ANTI SLIP STEEL PLANK H58 - 15/10 |
| 2 | TUBULAR BEAM | 8 | BEAM H47 |
| 3 | SHELF BOARD | 9 | HEAVY DUTY STEEL BASE PLATE |
| 4 | "U"-SECTION HANDRAIL | 10 | T-SECTION WALKWAY SUPPORT BAR |
| 5 | BRACKET/CLIP | 11 | LOCKING FRAME SPACER BAR |
| 6 | SPACER BAR TO BE LOCATED UNDER EACH STAIR TREAD | 12 | REINFORCING BRACKET FOR UPRIGHTS |



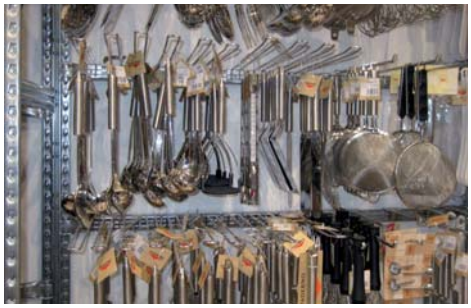

Ref. 44



dered according to the project requirements. Unirack upright profiles may be ordered with a 100mm pitch in height. It is recommended to continue with the regular frame bracing pattern within these frames, as soon as possible.

More information regarding ordering modalities on page 52 of this brochure. See also METALSISTEM Informa n° 653 for further details and additional application examples of the reinforced upright Super 3.

Welded staircases are also available, to suit any requirement.




## Trendy Shopfitting and Display Solutions

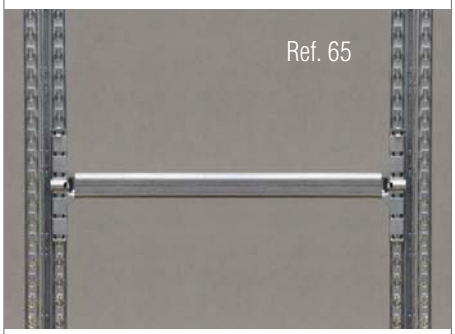
Achieved with standard modular Super 1-2-3- shelving components. See pictures at left and at right.

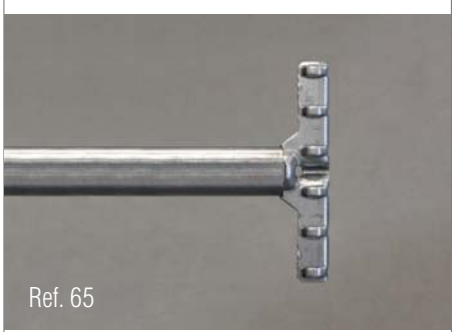
## Super 1-2-3 Shelving System integrated with Euroscacco Shelf Panels

The Super 1-2-3 shelving series can be integrated with Euroscacco shelf panels. This combination provides specific advantages for shopfitting applications, such as an enhanced choice among various display solutions.
Euroscacco shelf panels can be equipped and customised with a huge array of accessory items, such as wire dividers and front risers. This system is available for frames of the Super 1 series with a maximum height of 2500 mm.
Euroscacco shelves are available in smooth and perforated version, in 1000-1250-1333 mm length, to suit frame depths ranging from 300 to 700 mm, providing a load bearing capacity of 70 daN per shelf, for uniformly distributed loads.
Super 1 frames, when integrated with Euroscacco shelf panels, require vertical bracing or the use of the reinforcement bar (please refer to page 41).

## Reinforcement Bars

This solution couples two connection brackets with a standard 40x20 mm oval section to create a reinforced connection between two uprights of a shelving bay, substantially increasing the stiffness of the shelving row (Ref. 65). This is an ideal solution for a wide range of



applications where firmness is an added value, such as hanging garment shelving and retail furnishing solutions, generally characterised by low frame heights, few beam levels and short shelving row configurations.
When applying the integrated shopfitting and display solution mentioned above (Super 1-2-3 frames assembled with Euroscacco shelf panels), the bracing system may be substituted by a continuous row of reinforcement bars placed at 2/3's of the frames' height.
This configuration will provide a maximum load bearing capacity of 350 daN per bay (assuming 5 load levels at 70 daN each), with uniformly distributed loads. The design of the connection bracket creates a four pronged connection to the uprights while maintaining full access to the bay.
This unique solution not only guarantees flexibility in application but, more importantly, it ensures extraordinary nodal performance.
Reinforcement bars, like any other standard beam component, requires the mandatory application of safety pins.

For more information, please refer to METALSISTEM Informa n° 706 and to page n° 53 of this brochure.

## Modular Steel Cabinets

Made from our shelving series and cladded with Euroscacco steel panels, these cabinets are equipped with lockable sliding doors and are highly performing in terms of load bearing capacity. Available in zinc coated or powder coated version (Ref. 62). The standard configuration has been conceived with four modular, adjustable steel shelves made from Super 1 beams and H12 shelf panels; other configurations can be easily achieved thanks to the modular design.
Customers may use shelving components from their stock to build the framework and just order the cladding set to build the cabinet. Compared to similar products available on the market, METALSISTEM steel cabinets distinguish themselves for higher load capacities, utmost cost efficiency and solidity.
Available as well in a width of 1500 mm: a feature that is not common for this product category.
For ordering, see page 53.

## Mobile Ladders

Mobile ladders are available in 2000/2500/3000 mm height (in 5, 7 or 9 steps configuration) and can be supplied with guide rail and curves to adapt them to any environment (Ref. 56).
For ordering please refer to page 49.


Ref. 62


Ref. 62


Ref. 62


See more on the web
Ref. 56

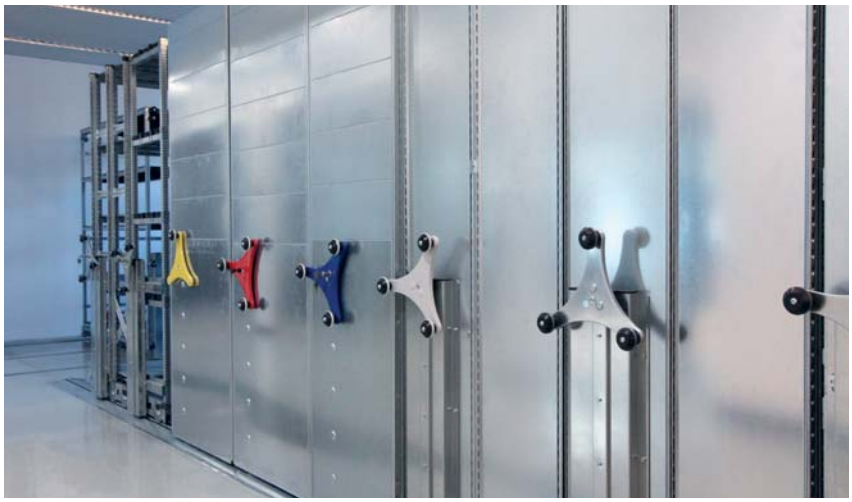
## Mobile Shelving

Thanks to its attractive high-tech design, Super 1-2-3 is also a highly suitable and cost effective system to achieve mobile shelving applications. For the design and ordering of mobile shelving installations, please refer to the MOBIBASIC Technical Manual <Doc: MT16>.

## Modular Sliding Doors

Sliding Doors are ideal for areas with limited corridor width and can be used to create closed spaces or cupboards. Sliding doors are supplied preassembled and are available in the standard METALSISTEM colour range. A lock is supplied as a standard accessory with every door. Sliding doors are available for 900-1200-1500 mm bay lengths, in two different heights: 2000 and 2500 mm.

The sliding rails are made to match the height of the shelving beams on top and at the bottom of the shelving bay. In case of MOBIBASIC mobile shelving installations, the rails are fixed directly to the MOBIBASIC chassis and to the shelving beam on top of the bay, to ensure a dust proof connection. For more information and ordering, please refer to page 53.



## Carton Flow

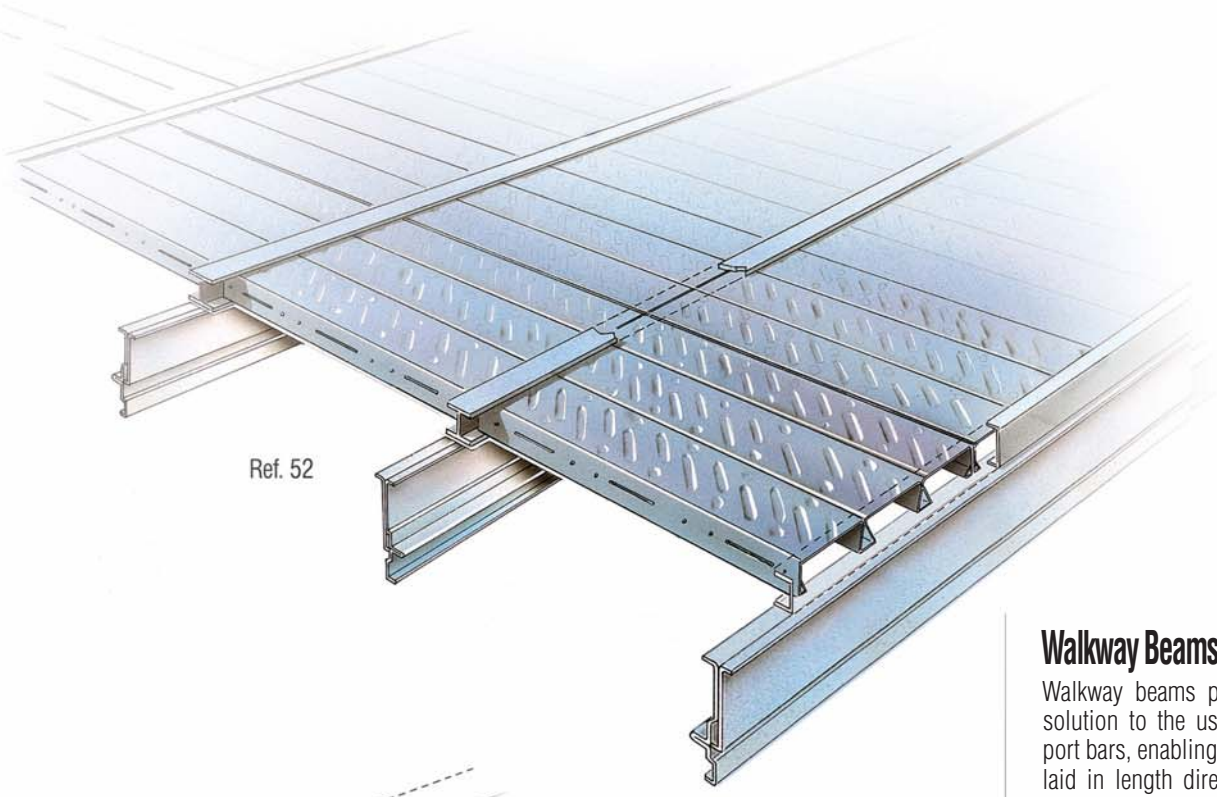
Carton flow beds consist of one or more inclined runways equipped with specially designed roller tracks. Merchandise is loaded in the rear of each runway and moves toward the picking station. As an item is removed from the front, the item directly behind it slides forward in place of the previous and rolls to the front, thus allowing merchandise to remain better organized and easier to find/pick.
METALSISTEM's carton flow is an economic, modular and functional solution based on standard components alone, allowing flow track beds to be created up to depths of 4 metres. The flow track profiles are made from certified, galvanised, high tensile steel and are manufactured in lengths ranging from 359 to 4022 mm at a cut pitch of 33 mm. Yellow rollers made from polypropylene are inserted into the tracks at varying pitches of either 33, 49.5, 66, 82.5 or 99 mm, according to the application requirements. The track profiles are inserted into sceenstrips that are fastened with clamps/screws (art. 69829.95/00056.20) at centre distances of approx. 1000 mm.
The support for the roller shelves is provided by frames placed at fixed intervals set by oval tubes, (the same standard components used for walkway parapet elements) thus ensuring that the beams will be aligned at a constant inclination of approximately 8% from the rear to the front side of the system. However, the most suitable degree of inclination depends on the type of packaging and weight of the load unit and the overall length of the roller track. A "T"-section support bar placed at the picking side of the run provides both support for the flow tracks and an end stop for the cartons. For more information please refer to page 54 of this brochure.

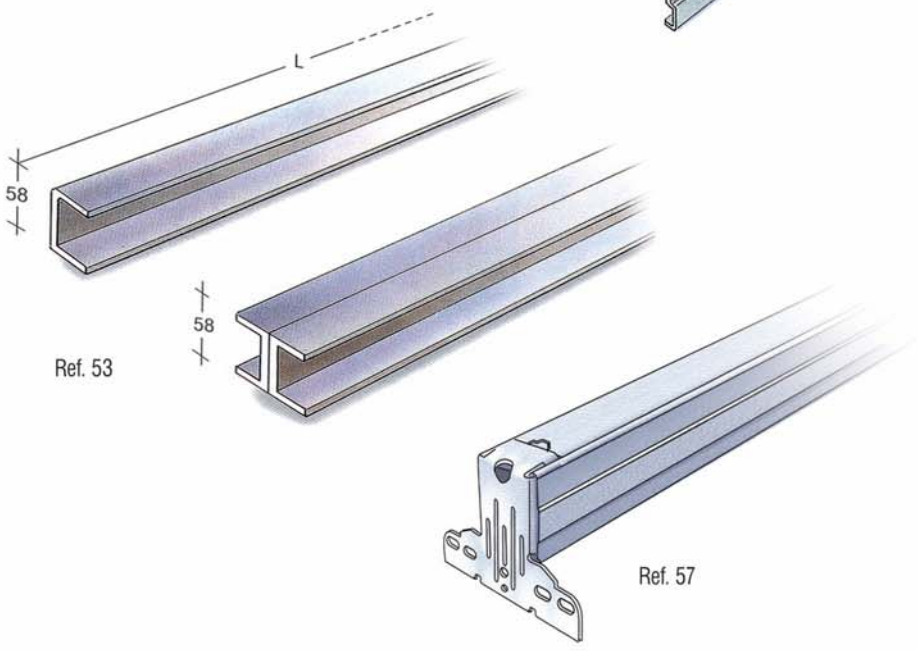
## Removable Divider

The roller beds can be equipped with removable dividers that make use of the 32/4 zinc-coated profile. They are installed by pressure therefore, the width of lanes can be changed easily.
The divider can cover the entire length of the roller bed but can also be used as partial start or end roller bed division.

## Steel Planking

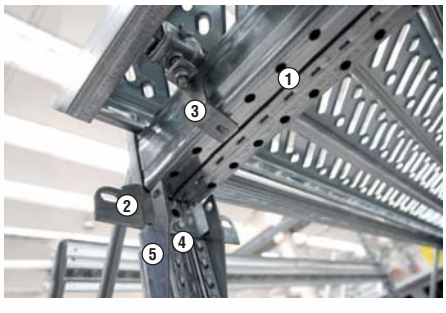
"T"-sections can be used as support beams for the steel planking (Ref. 55).
Floors of any dimension can be built in conjunction with "H" joints and "U" section channels.
They are used as end and middle joints (Ref. 52-53).




## Walkway Beams

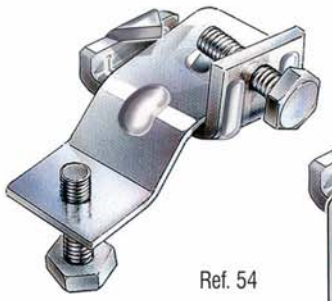
Walkway beams provide an alternative solution to the use of "T"-section support bars, enabling the steel planks to be laid in length direction along the walkways (Ref. 57). Walkway beams are made from a profile section 70x70/6 containing perforations along one face of the profile.
These perforations are used to connect the steel plank fixing brackets (art. 69864.98) as shown in the picture below. Thanks to their profile width of 70 mm, walkway beams provide a large and smooth surface for the connection of adjoining steel planks on top, thus ensuring appropriate continuity and evenness at the steel plank joints.
The connectors of the walkway beams are assembled directly on site and fit perfectly into the beam support brackets (art. 67022.95).
Two self-perforating screws are used to fasten the connection; see picture below. The installation of these screws is mandatory. Walkway beam profiles are ordered in nominal dimension.



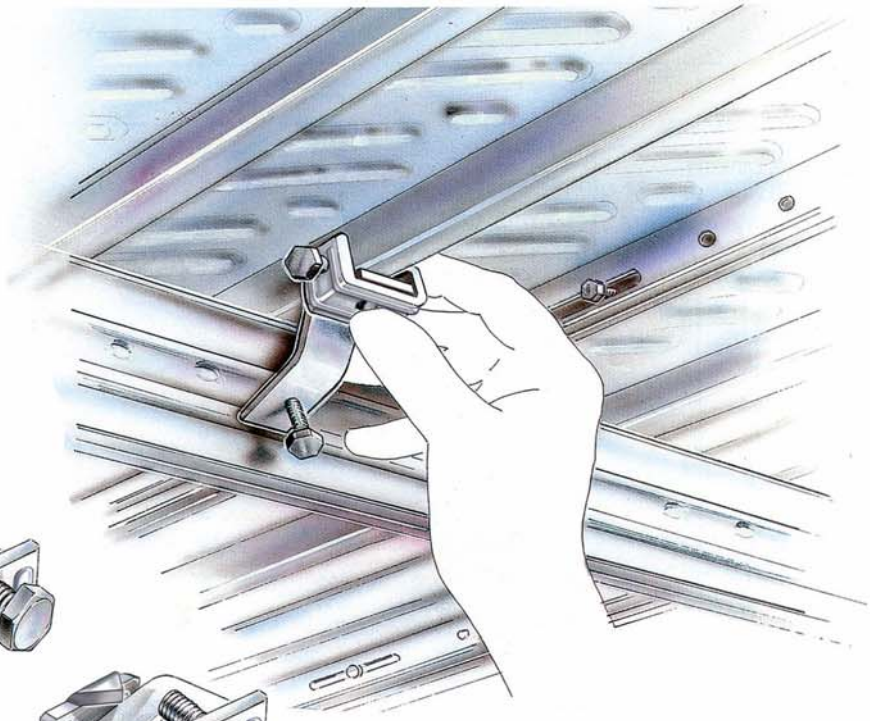

## Walkway Beam Assembly

| Ref. | Article | Description | Q.ty |
|---|---|---|---|
| 1 | AI210013.95 | Walkway Beam Profile 70x70/6 | 1 |
| 2 | AI210082.95 | Walkway Beam Connectors | 2 |
| 3 | 69864.98 | Steel Plank Fixing Bracket | 2 |
| 4 | 00058.20 | Screw 5,5x19 | 2 |
| 5 | 67022.95 | Walkway Beam Support Bracket | 2 |

The “T”-section supports are fitted back-to-back. One is fitted on the outside of the upright by means of support brackets, and the other is fitted inside and onto the upright.
The steel planks are laid over the top and are fixed down by means of the special clamp (Ref. 54).
When joining the planks in a transverse direction the M6x20 bolt should be used in the appropriate holes.



Ref. 54



Ref. 55

**FRAMES COMPLETE WITH UPRIGHTS, HORIZONTAL AND DIAGONAL SPACER BARS LOAD BEARING CAPACITY daN 1100 EACH**

Regarding technical data, standard specifications and assembly diagram, please refer to pages 4/5 of this brochure.

Ref. 2

| component | height mm | depth mm | horizontal and diagonal spacer bars |
|---|---|---|---|
| 70100.95 | 1576 | 320 | 4 |
| 70103.95 | 1840 | 320 | 4 |
| 70106.95 | 1972 | 320 | 5 |
| 70109.95 | 1576 | 400 | 4 |
| 70112.95 | 1840 | 400 | 4 |
| 70115.95 | 1972 | 400 | 5 |
| 70118.95 | 1576 | 500 | 4 |
| 70121.95 | 1840 | 500 | 4 |
| 70124.95 | 1972 | 500 | 5 |
| 70127.95 | 1576 | 600 | 4 |
| 70130.95 | 1840 | 600 | 4 |
| 70133.95 | 1972 | 600 | 5 |
| 70136.95 | 1576 | 700 | 4 |
| 70139.95 | 1840 | 700 | 4 |
| 70142.95 | 1972 | 700 | 5 |
| 70145.95 | 1576 | 800 | 4 |
| 70148.95 | 1840 | 800 | 4 |
| 70151.95 | 1972 | 800 | 5 |

**UPRIGHT SUPER-ZERO**

Ref. 2

| component | height mm |
|---|---|
| 10510.95 | 1576 |
| 10520.95 | 1840 |
| 10530.95 | 1972 |

Super-ZERO uprights and frames are to be used with Super-ZERO beams and shelves, only.
Consequently, the max. bay length for shelving made with the Super-ZERO series is 900 / 1050 / 1200 mm only, with a max. load capacity of 200 daN/shelf, uniformly distributed loads.

**BEAM SUPER-ZERO**

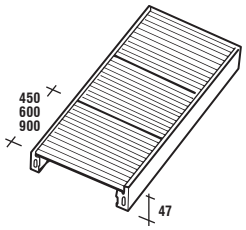

Ref. 3

| component | length mm | Load <daN> per pair uniformly distrib. load |
|---|---|---|
| 30000L.95 | 600 | 200 |
| 30001L.95 | 900 | 200 |
| 30003L.95 | 1050 | 170 |
| 30004L.95 | 1200 | 150 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS SUPER-ZERO AND PANELS H12 mm**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

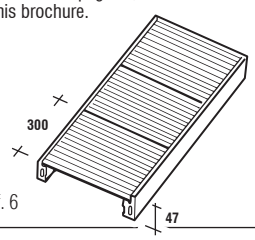



Ref. 5

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 80001.95 | 900 | 320 | 200 |
| 80004.95 | 900 | 400 | 200 |
| 80007.95 | 900 | 500 | 185 |
| 80010.95 | 900 | 600 | 150 |
| 80013.95 | 900 | 700 | 130 |
| 80014.95 | 1050 | 320 | 170 |
| 80015.95 | 1050 | 400 | 170 |
| 80016.95 | 1050 | 500 | 170 |
| 80017.95 | 1050 | 600 | 170 |
| 80018.95 | 1050 | 700 | 155 |
| 80019.95 | 1200 | 320 | 150 |
| 80022.95 | 1200 | 400 | 150 |
| 80025.95 | 1200 | 500 | 150 |
| 80028.95 | 1200 | 600 | 150 |
| 80031.95 | 1200 | 700 | 150 |

**COMPLETE SHELVES WITH BEAMS SUPER-ZERO AND PANELS H25/A**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.




Ref. 6

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 80004A.95 | 900 | 400 | 200 |
| 80007A.95 | 900 | 500 | 200 |
| 80010A.95 | 900 | 600 | 200 |
| 80013A.95 | 900 | 700 | 200 |
| 80016A.95 | 900 | 800 | 200 |
| 80022A.95 | 1200 | 400 | 150 |
| 80025A.95 | 1200 | 500 | 150 |
| 80028A.95 | 1200 | 600 | 150 |
| 80031A.95 | 1200 | 700 | 150 |
| 80034A.95 | 1200 | 800 | 150 |

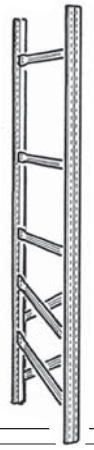
**SHOPFITTING ACCESSORIES**

Chrome-plated hooks, bars and wire rods

| component | depth mm |
|---|---|
| 031.006.21 | 350 |
| 031.005.21 | 400 |
| 031.028.21 | 350 |
| 031.031.21 | 400 |
| 031.030.21 | 500 |
| 031.025.21 | 350 |
| 031.086.21 | 200 |
| 031.080.21 | 400 |
| 207.004.21 | 350 |
| 207.006.21 | 450 |
| 207.014.21 | 350 |
| 207.016.21 | 450 |
| 207.024.21 | 350 |
| 207.026.21 | 450 |

**FRAMES COMPLETE WITH UPRIGHTS, HORIZONTAL AND DIAGONAL SPACER BARS LOAD BEARING CAPACITY daN 1500 EACH**

Regarding technical data, standard specifications and assembly diagram, please refer to pages 4/5 of this brochure.



Ref. 2

| component | height mm | depth mm | horizontal & diagonal spacer bars |
|---|---|---|---|
| 70001.95 | 1972 | 320 | 5 |
| 70004.95 | 2500 | 320 | 6 |
| 70007.95 | 3028 | 320 | 8 |
| 70010.95 | 1972 | 400 | 5 |
| 70013.95 | 2500 | 400 | 6 |
| 70016.95 | 3028 | 400 | 8 |
| 70019.95 | 1972 | 500 | 5 |
| 70022.95 | 2500 | 500 | 6 |
| 70025.95 | 3028 | 500 | 8 |
| 70028.95 | 1972 | 600 | 5 |
| 70031.95 | 2500 | 600 | 6 |
| 70034.95 | 3028 | 600 | 8 |
| 70037.95 | 1972 | 700 | 5 |
| 70040.95 | 2500 | 700 | 6 |
| 70043.95 | 3028 | 700 | 8 |
| 70046.95 | 1972 | 800 | 5 |
| 70049.95 | 2500 | 800 | 6 |
| 70052.95 | 3028 | 800 | 8 |

**UPRIGHT S1**

Ref. 2

| component | height mm |
|---|---|
| 10001.95 | 1972 |
| 10004.95 | 2500 |
| 10007.95 | 3028 |

**BEAM S1**

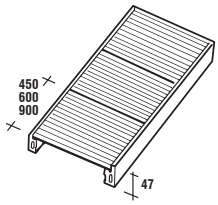

Ref. 3

| component | length mm | Load <daN> per pair - u.d.l. |
|---|---|---|
| 30000.95 | 600 | 280 |
| 30001.95 | 900 | 280 |
| 30003.95 | 1050 | 235 |
| 30004.95 | 1200 | 205 |
| 30005.95 | 1350 | 180 |
| 30007.95 | 1500 | 145 |
| 30008.95 | 1650 | 120 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS S1 AND PANELS H12 mm**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

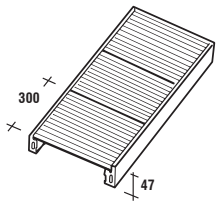



Ref. 5

| component | length mm | depth mm | Load capacity <daN> u.d.l. |
|---|---|---|---|
| 80501.95 | 900 | 320 | 280 |
| 80504.95 | 900 | 400 | 235 |
| 80507.95 | 900 | 500 | 185 |
| 80510.95 | 900 | 600 | 150 |
| 80513.95 | 900 | 700 | 130 |
| 80519.95 | 1200 | 320 | 205 |
| 80522.95 | 1200 | 400 | 205 |
| 80525.95 | 1200 | 500 | 205 |
| 80528.95 | 1200 | 600 | 205 |
| 80531.95 | 1200 | 700 | 180 |
| 80537.95 | 1500 | 320 | 145 |
| 80540.95 | 1500 | 400 | 145 |
| 80543.95 | 1500 | 500 | 145 |
| 80546.95 | 1500 | 600 | 145 |
| 80549.95 | 1500 | 700 | 145 |

**COMPLETE SHELVES WITH BEAMS S1 AND PANELS H25/A**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

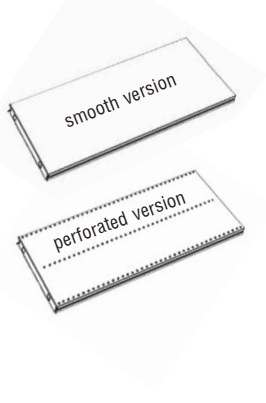



Ref. 6

| component | length mm | depth mm | Load capacity <daN> u.d.l. |
|---|---|---|---|
| 80504A.95 | 900 | 400 | 280 |
| 80507A.95 | 900 | 500 | 280 |
| 80510A.95 | 900 | 600 | 280 |
| 80513A.95 | 900 | 700 | 280 |
| 80516A.95 | 900 | 800 | 230 |
| 80522A.95 | 1200 | 400 | 205 |
| 80525A.95 | 1200 | 500 | 205 |
| 80528A.95 | 1200 | 600 | 205 |
| 80531A.95 | 1200 | 700 | 205 |
| 80534A.95 | 1200 | 800 | 180 |
| 80540A.95 | 1500 | 400 | 145 |
| 80543A.95 | 1500 | 500 | 145 |
| 80546A.95 | 1500 | 600 | 145 |
| 80549A.95 | 1500 | 700 | 145 |
| 80552A.95 | 1500 | 800 | 130 |



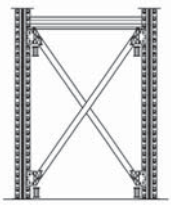
**EUROSCACCO SHELF PANEL**
powder coated, white




Pag. 34

| length mm | depth mm | article code n° smooth shelf | article code n° perforated shelf |
|---|---|---|---|
| 1000 | 300 | 636.002.01 | 626.002.01 |
| 1000 | 400 | 636.012.01 | 626.012.01 |
| 1000 | 500 | 636.022.01 | 626.022.01 |
| 1000 | 600 | 636.032.01 | 626.032.01 |
| 1000 | 700 | 636.042.01 | 626.042.01 |
| 1250 | 300 | 636.007.01 | 626.007.01 |
| 1250 | 400 | 636.017.01 | 626.017.01 |
| 1250 | 500 | 636.027.01 | 626.027.01 |
| 1250 | 600 | 636.037.01 | 626.037.01 |
| 1250 | 700 | 636.047.01 | 626.047.01 |
| 1330 | 300 | 636.004.01 | 626.004.01 |
| 1330 | 400 | 636.014.01 | 626.014.01 |
| 1330 | 500 | 636.024.01 | 626.024.01 |
| 1330 | 600 | 636.034.01 | 626.034.01 |
| 1330 | 700 | 636.044.01 | 626.044.01 |

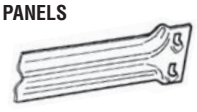
**BRACING KIT**



Pag. 34

| for nominal bay lengths | L=1000 mm | L=1250 mm | L=1330 mm |
|---|---|---|---|
| macro-code | 67027.98 | 67028.98 | 67029.98 |
| composed of | | | |
| 68051.95 | n° 4 | n° 4 | n° 4 |
| 00020.20 | n° 12 | n° 12 | n° 12 |
| 00027.20 | n° 8 | n° 8 | n° 8 |
| 00035.20 | n° 4 | n° 4 | n° 4 |
| bracing diagonal | 2x 68046/S.95 | 2x 68047/S.95 | 2x 68048/S.95 |
| length of diagonal | 1332 mm | 1511 mm | 1572 mm |

**FRAME SPACER BAR FOR EUROSCACCO SHELF PANELS**



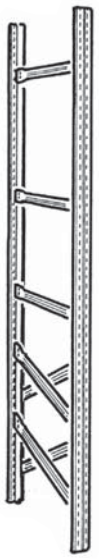
Pag. 34

| component | depth mm |
|---|---|
| 41701.95 | 300 |
| 41704.95 | 400 |
| 41707.95 | 500 |
| 41710.95 | 600 |
| 41713.95 | 700 |

**TECHNICAL NOTES:** Suitable for Super-1 frames with a maximum height of 2500 mm. Each shelving row needs at least one vertical bracing kit each 5 bays. The load bearing capacity per shelf is 70daN for uniformly distributed loads. Each shelving bay has to be built with at least 3 shelf levels in height. The ratio between depth and height should be max. 1:5, alternatively the structure needs to be fastened to the wall. When applying the integrated shopfitting and display solution mentioned above (Super 1-2-3 frames assembled with Euroscacco shelf panels), the bracing system may be substituted by a continuous row of reinforcement bars placed at 2/3's of the frames' height. This configuration will provide a maximum load bearing capacity of 350 daN per bay (assuming 5 load levels at 70 daN each), with uniformly distributed loads.

**FRAMES COMPLETE WITH UPRIGHTS, HORIZONTAL AND DIAGONAL BRACING LOAD BEARING CAPACITY Kg. 2000 EACH**

Regarding technical data, standard specifications and assembly diagram, please refer to pages 4/5 of this brochure.



Ref. 2

| component | height mm | depth mm | horizontal and diagonal spacer bars |
|---|---|---|---|
| 71001.95 | 1972 | 320 | 5 |
| 71004.95 | 2500 | 320 | 6 |
| 71007.95 | 3028 | 320 | 8 |
| 71010.95 | 3424 | 320 | 10 |
| 71016.95 | 1972 | 400 | 5 |
| 71019.95 | 2500 | 400 | 6 |
| 71022.95 | 3028 | 400 | 8 |
| 71025.95 | 3424 | 400 | 10 |
| 71031.95 | 1972 | 500 | 5 |
| 71034.95 | 2500 | 500 | 6 |
| 71037.95 | 3028 | 500 | 8 |
| 71040.95 | 3424 | 500 | 10 |
| 71046.95 | 1972 | 600 | 5 |
| 71049.95 | 2500 | 600 | 6 |
| 71052.95 | 3028 | 600 | 8 |
| 71055.95 | 3424 | 600 | 10 |
| 71061.95 | 1972 | 700 | 5 |
| 71064.95 | 2500 | 700 | 6 |
| 71067.95 | 3028 | 700 | 8 |
| 71070.95 | 3424 | 700 | 10 |
| 71076.95 | 1972 | 800 | 5 |
| 71079.95 | 2500 | 800 | 6 |
| 71082.95 | 3028 | 800 | 8 |
| 71085.95 | 3424 | 800 | 10 |

**UPRIGHT S2**

Ref. 2

| component | height mm |
|---|---|
| 11001.95 | 1972 |
| 11004.95 | 2500 |
| 11007.95 | 3028 |
| 11010.95 | 3424 |

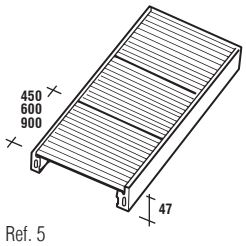
**BEAM S2**


| component | length mm | Load <daN> per pair uniformly distrib. load |
|---|---|---|
| 31501.95 | 900 | 390 |
| 31503.95 | 1050 | 335 |
| 31504.95 | 1200 | 275 |
| 31505.95 | 1350 | 220 |
| 31507.95 | 1500 | 175 |
| 31508.95 | 1650 | 145 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves H12/H25 and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS S2 AND PANELS H12**

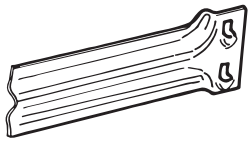
Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.




Ref. 5

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 81001.95 | 900 | 320 | 305 |
| 81004.95 | 900 | 400 | 235 |
| 81007.95 | 900 | 500 | 185 |
| 81010.95 | 900 | 600 | 150 |
| 81013.95 | 900 | 700 | 130 |
| 81019.95 | 1200 | 320 | 275 |
| 81022.95 | 1200 | 400 | 275 |
| 81025.95 | 1200 | 500 | 260 |
| 81028.95 | 1200 | 600 | 210 |
| 81031.95 | 1200 | 700 | 180 |
| 81037.95 | 1500 | 320 | 175 |
| 81040.95 | 1500 | 400 | 175 |
| 81043.95 | 1500 | 500 | 175 |
| 81046.95 | 1500 | 600 | 175 |
| 81049.95 | 1500 | 700 | 175 |

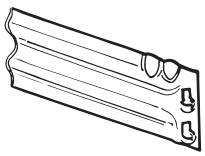
**HORIZONTAL SPACER BAR**



Ref. 2

| component | depth mm |
|---|---|
| 41001.95 | 320 |
| 41004.95 | 400 |
| 41007.95 | 500 |
| 41010.95 | 600 |
| 41013.95 | 700 |
| 41016.95 | 800 |

**DIAGONAL SPACER BAR**

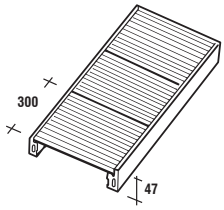


Ref. 2

| component | depth mm |
|---|---|
| 43001.95 | 320 |
| 43004.95 | 400 |
| 43007.95 | 500 |
| 43010.95 | 600 |
| 43013.95 | 700 |
| 43016.95 | 800 |

**COMPLETE SHELVES WITH BEAMS S2 AND PANELS H25/A**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.




Ref. 6

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 81504A.95 | 900 | 400 | 390 |
| 81507A.95 | 900 | 500 | 390 |
| 81510A.95 | 900 | 600 | 345 |
| 81513A.95 | 900 | 700 | 285 |
| 81516A.95 | 900 | 800 | 230 |
| 81522A.95 | 1200 | 400 | 275 |
| 81525A.95 | 1200 | 500 | 275 |
| 81528A.95 | 1200 | 600 | 275 |
| 81531A.95 | 1200 | 700 | 275 |
| 81534A.95 | 1200 | 800 | 250 |
| 81540A.95 | 1500 | 400 | 175 |
| 81543A.95 | 1500 | 500 | 175 |
| 81546A.95 | 1500 | 600 | 175 |
| 81549A.95 | 1500 | 700 | 175 |
| 81552A.95 | 1500 | 800 | 160 |

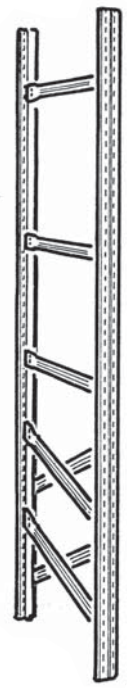
**LOCKING FRAME SPACER BAR**

Ref. 1B

| component | depth mm |
|---|---|
| 67031.95 | 320 |
| 67032.95 | 400 |
| 67033.95 | 500 |
| 67034.95 | 600 |
| 67035.95 | 700 |
| 67036.95 | 800 |

**FRAMES COMPLETE WITH UPRIGHTS, HORIZONTAL AND DIAGONAL BRACING LOAD BEARING CAPACITY Kg. 3600 EACH**

Regarding technical data, standard specifications and assembly diagram, please refer to pages 4/5 of this brochure.



Ref. 2

| component | height mm | depth mm | horizontal and diagonal spacer bars |
|---|---|---|---|
| 72001.95 | 1972 | 320 | 5 |
| 72004.95 | 2500 | 320 | 6 |
| 72007.95 | 3028 | 320 | 8 |
| 72010.95 | 3424 | 320 | 10 |
| 72013.95 | 3952 | 320 | 11 |
| 72016.95 | 4480 | 320 | 13 |
| 72019.95 | 5008 | 320 | 15 |
| 72022.95 | 1972 | 400 | 5 |
| 72025.95 | 2500 | 400 | 6 |
| 72028.95 | 3028 | 400 | 8 |
| 72031.95 | 3424 | 400 | 10 |
| 72034.95 | 3952 | 400 | 11 |
| 72037.95 | 4480 | 400 | 13 |
| 72040.95 | 5008 | 400 | 15 |
| 72043.95 | 1972 | 500 | 5 |
| 72046.95 | 2500 | 500 | 6 |
| 72049.95 | 3028 | 500 | 8 |
| 72052.95 | 3424 | 500 | 10 |
| 72055.95 | 3952 | 500 | 11 |
| 72058.95 | 4480 | 500 | 13 |
| 72061.95 | 5008 | 500 | 15 |
| 72064.95 | 1972 | 600 | 5 |
| 72067.95 | 2500 | 600 | 6 |
| 72070.95 | 3028 | 600 | 8 |
| 72073.95 | 3424 | 600 | 10 |
| 72076.95 | 3952 | 600 | 11 |
| 72079.95 | 4480 | 600 | 13 |
| 72082.95 | 5008 | 600 | 15 |
| 72085.95 | 1972 | 700 | 5 |
| 72088.95 | 2500 | 700 | 6 |
| 72091.95 | 3028 | 700 | 8 |
| 72094.95 | 3424 | 700 | 10 |
| 72097.95 | 3952 | 700 | 11 |
| 72100.95 | 4480 | 700 | 13 |
| 72103.95 | 5008 | 700 | 15 |
| 72106.95 | 1972 | 800 | 5 |
| 72109.95 | 2500 | 800 | 6 |
| 72112.95 | 3028 | 800 | 8 |
| 72115.95 | 3424 | 800 | 10 |
| 72118.95 | 3952 | 800 | 11 |
| 72121.95 | 4480 | 800 | 13 |
| 72124.95 | 5008 | 800 | 15 |

**UPRIGHT S3**

Ref. 2

| component | height mm |
|---|---|
| 12001.95 | 1972 |
| 12004.95 | 2500 |
| 12007.95 | 3028 |
| 12010.95 | 3424 |
| 12013.95 | 3952 |
| 12016.95 | 4480 |
| 12019.95 | 5008 |

**BEAM S3**

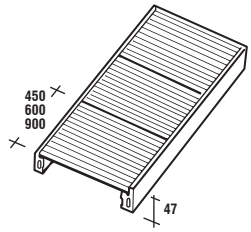

Ref. 3

| component | length mm | Load <daN> per pair - u.d.l. |
|---|---|---|
| 32501.95 | 900 | 450 |
| 32503.95 | 1050 | 385 |
| 32504.95 | 1200 | 320 |
| 32505.95 | 1350 | 255 |
| 32507.95 | 1500 | 205 |
| 32508.95 | 1650 | 170 |
| 32510.95 | 1800 | 140 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS S3 AND PANELS H12**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

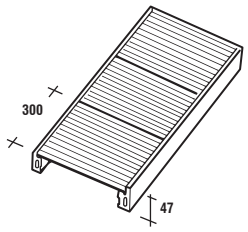



Ref. 5

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 82001.95 | 900 | 320 | 305 |
| 82004.95 | 900 | 400 | 235 |
| 82007.95 | 900 | 500 | 185 |
| 82010.95 | 900 | 600 | 150 |
| 82013.95 | 900 | 700 | 130 |
| 82019.95 | 1200 | 320 | 320 |
| 82022.95 | 1200 | 400 | 320 |
| 82025.95 | 1200 | 500 | 260 |
| 82028.95 | 1200 | 600 | 210 |
| 82031.95 | 1200 | 700 | 180 |
| 82037.95 | 1500 | 320 | 205 |
| 82040.95 | 1500 | 400 | 205 |
| 82043.95 | 1500 | 500 | 205 |
| 82046.95 | 1500 | 600 | 205 |
| 82049.95 | 1500 | 700 | 205 |
| 82055.95 | 1800 | 320 | 140 |
| 82058.95 | 1800 | 400 | 140 |
| 82061.95 | 1800 | 500 | 140 |
| 82064.95 | 1800 | 600 | 140 |
| 82067.95 | 1800 | 700 | 140 |

**COMPLETE SHELVES WITH BEAMS S3 AND PANELS H25/A**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

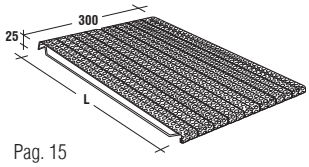



Ref. 6

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 82504A.95 | 900 | 400 | 450 |
| 82507A.95 | 900 | 500 | 420 |
| 82510A.95 | 900 | 600 | 345 |
| 82513A.95 | 900 | 700 | 285 |
| 82516A.95 | 900 | 800 | 230 |
| 82522A.95 | 1200 | 400 | 320 |
| 82525A.95 | 1200 | 500 | 320 |
| 82528A.95 | 1200 | 600 | 320 |
| 82531A.95 | 1200 | 700 | 320 |
| 82534A.95 | 1200 | 800 | 290 |
| 82540A.95 | 1500 | 400 | 205 |
| 82543A.95 | 1500 | 500 | 205 |
| 82546A.95 | 1500 | 600 | 205 |
| 82549A.95 | 1500 | 700 | 205 |
| 82552A.95 | 1500 | 800 | 180 |
| 82564A.95 | 1800 | 400 | 140 |
| 82567A.95 | 1800 | 500 | 140 |
| 82570A.95 | 1800 | 600 | 140 |
| 82573A.95 | 1800 | 700 | 140 |

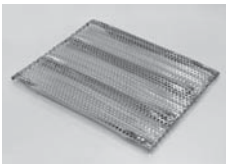
**PERFORATED SHELF PANEL**
300 mm wide - H25 - with flanged ends
hole diameter 6.5 mm
perforation 50% of the shelf surface

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure and to METALSISTEM Informa n° 577.




Pag. 15

| article **H25/C** | load capacity <daN> uniformly distrib. load | depth mm | article **H25/D** | load capacity <daN> uniformly distrib. load |
|---|---|---|---|---|
| 52521.95 | 150 | 400 | 52541.95 | 180 |
| 52524.95 | 150 | 500 | 52544.95 | 180 |
| 52527.95 | 120 | 600 | 52547.95 | 150 |
| 52530.95 | 95 | 700 | 52550.95 | 120 |
| 52533.95 | 70 | 800 | 52553.95 | 85 |

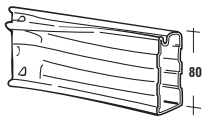


The load bearing capacities indicated in this table refer to uniformly distributed loads <daN> per shelf panel.

The load bearing capacity of a complete shelf will be given by the smallest value between the load bearing capacity per pair of beams against the sum of load bearing capacities of the number of shelf panels in the bay. If the load capacity per pair of beams is lower compared to the sum of shelf panels, then the lower data will apply.

We recommend care when using containers with steel runners or steel foot plates or other items introducing point loads: due to the perforated shelf surface, the shelf panels are not suited to accept point loads. See also METALSISTEM Informa n° 577.

**BEAM S1G**



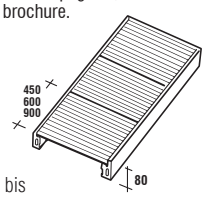

Ref. 6 bis

| component | length mm | Load <daN> per pair uniformly distrib. load |
|---|---|---|
| 32604.95 | 1500 | 350 |
| 32607.95 | 1800 | 310 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS S1G AND PANELS H12**

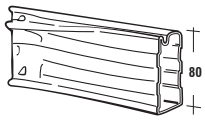
Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.




Ref. 6 bis

| component | length mm | depth mm | Load capacity <daN> u.d.l. |
|---|---|---|---|
| 83116.95 | 1500 | 320 | 350 |
| 83119.95 | 1500 | 400 | 350 |
| 83122.95 | 1500 | 500 | 315 |
| 83125.95 | 1500 | 600 | 260 |
| 83128.95 | 1500 | 700 | 220 |
| 83131.95 | 1800 | 320 | 310 |
| 83134.95 | 1800 | 400 | 310 |
| 83137.95 | 1800 | 500 | 310 |
| 83140.95 | 1800 | 600 | 305 |
| 83143.95 | 1800 | 700 | 260 |

**BEAM S2G**



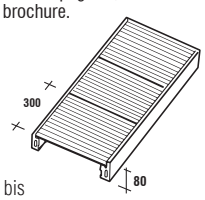

Ref. 6 bis

| component | length mm | Load <daN> per pair uniformly distrib. load |
|---|---|---|
| 34004.95 | 1500 | 520 |
| 34007.95 | 1800 | 430 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS S1G AND PANELS H25/A**

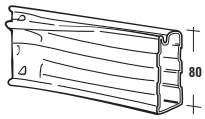
Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.




Ref. 6 bis

| component | length mm | depth mm | Load capacity <daN> u.d.l. |
|---|---|---|---|
| 83340A.95 | 1500 | 400 | 350 |
| 83343A.95 | 1500 | 500 | 350 |
| 83346A.95 | 1500 | 600 | 350 |
| 83349A.95 | 1500 | 700 | 350 |
| 83352A.95 | 1500 | 800 | 350 |
| 83364A.95 | 1800 | 400 | 310 |
| 83367A.95 | 1800 | 500 | 310 |
| 83370A.95 | 1800 | 600 | 310 |
| 83373A.95 | 1800 | 700 | 310 |

**BEAM S3G**



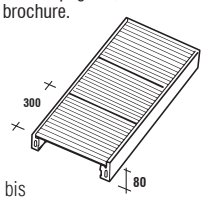

Ref. 6 bis

| component | length mm | Load <daN> per pair uniformly distrib. load |
|---|---|---|
| 35004.95 | 1500 | 640 |
| 35007.95 | 1800 | 530 |

The load bearing capacity of the beams is to be understood as referring to uniformly distributed loads, per pair of beams. The load bearing indication is valid and applicable for a use of the beams with modular shelves and/or modular containers only.

**COMPLETE SHELVES WITH BEAMS S2G AND PANELS H25/A**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.



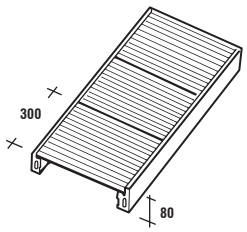

Ref. 6 bis

| component | length mm | depth mm | Load capacity <daN> u.d.l. |
|---|---|---|---|
| 83540A.95 | 1500 | 400 | 520 |
| 83543A.95 | 1500 | 500 | 520 |
| 83546A.95 | 1500 | 600 | 520 |
| 83549A.95 | 1500 | 700 | 520 |
| 83552A.95 | 1500 | 800 | 425 |
| 83564A.95 | 1800 | 400 | 430 |
| 83567A.95 | 1800 | 500 | 430 |
| 83570A.95 | 1800 | 600 | 430 |
| 83573A.95 | 1800 | 700 | 430 |

**COMPLETE SHELVES WITH BEAMS S3G AND PANELS H25/A**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

Ref. 6 bis

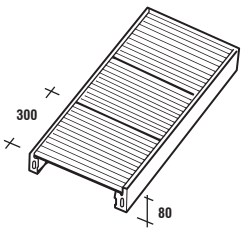



| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 84540A.95 | 1500 | 400 | 640 |
| 84543A.95 | 1500 | 500 | 640 |
| 84546A.95 | 1500 | 600 | 640 |
| 84549A.95 | 1500 | 700 | 475 |
| 84552A.95 | 1500 | 800 | 425 |
| 84564A.95 | 1800 | 400 | 530 |
| 84567A.95 | 1800 | 500 | 530 |
| 84570A.95 | 1800 | 600 | 530 |
| 84573A.95 | 1800 | 700 | 530 |

**COMPLETE SHELVES WITH BEAMS S3G AND PANELS H25/B**

Regarding technical data and standard specifications, please refer to pages 4/5 of this brochure.

Ref. 6 bis



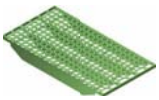
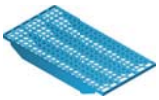

| component | length mm | depth mm | Load capacity <daN> uniformly distrib. load |
|---|---|---|---|
| 84540B.95 | 1500 | 400 | 640 |
| 84543B.95 | 1500 | 500 | 640 |
| 84546B.95 | 1500 | 600 | 640 |
| 84549B.95 | 1500 | 700 | 550 |
| 84552B.95 | 1500 | 800 | 475 |
| 84564B.95 | 1800 | 400 | 530 |
| 84567B.95 | 1800 | 500 | 530 |
| 84570B.95 | 1800 | 600 | 530 |
| 84573B.95 | 1800 | 700 | 530 |

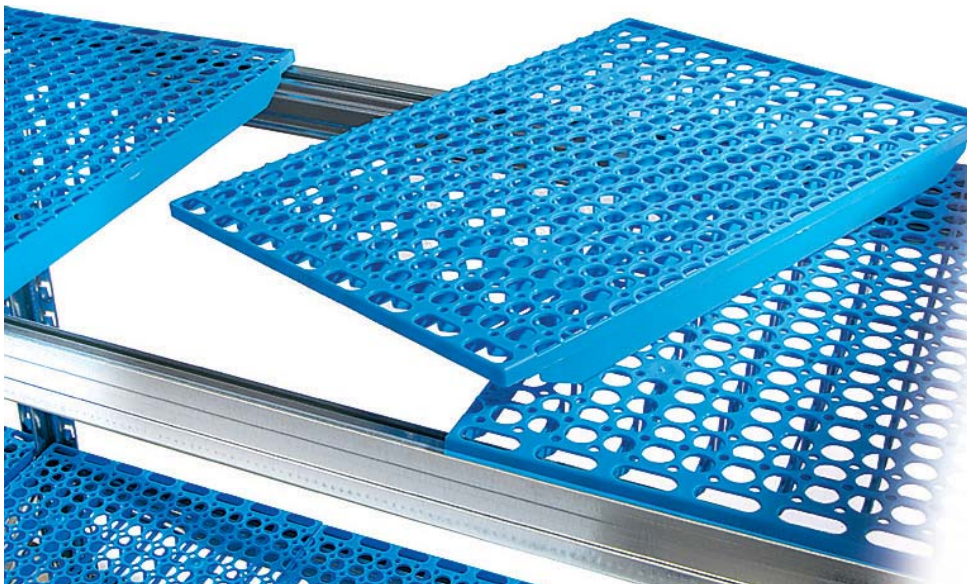
METALSISTEM's plastic shelf panels are made from high quality polypropylene according to the RoHS directive and compatible for use within the food sector. The perforation is >50% of the shelf surface area. FROST shelf panels are available for use in cooling rooms. FROST shelf panels are made from specific materials and additives to achieve a higher grade of suppleness. Their use is restricted to environments below 0° C. Load bearing capacities are indicated below and refer to uniformly distributed loads, differentiated according to the degree of deflection. See also page 15, Ref. 60.

Additionally to the plastic shelf panels in 300 mm width, compensation panels in 150 mm and 200 mm width are also available to suit bay lengths of 1050/1350/1650 mm.

The load bearing capacities of these compensation panels are indicated below and refer to uniformly distributed loads, differentiated according to the degree of deflection.

Notes: High temperature increase the shelves' suppleness while low temperatures make them brittle. The material used for the manufacture of standard plastic shelves is optimised to offer best performance at room temperature. Frost shelf panels contain an additive allowing the shelves to be applied in cooling rooms, at low temperatures. The use of our shelf panels in environments other than those indicated could compromise performance.

| Article Code | Low deflection | High deflection | Type of Shelf | Colour | | Nominal Depth (mm) | Impact resistance | Field of application (°C) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Panel width | Load bearing capacity (daN) - u.d.l. | | | | | | | | | |
| **L=300 mm** | L=300 mm | L=300 mm | | | | | | -30°– 0° | 0°– +7° | +7°– +30° |
| PL30X32D1.98 | 40 | - | **FROST** | Frost Green |  | 320 | 😐 | GOOD | NOT SO GOOD | NOT GOOD |
| PL30X40D1.98 | 40 | - | | | | 400 | 😐 | GOOD | NOT SO GOOD | NOT GOOD |
| PL30X50D1.98 | 40 | - | | | | 500 | 😐 | GOOD | NOT SO GOOD | NOT GOOD |
| PL30X32C1.98 | 35 | 45 | **STANDARD** | White |  | 320 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X40C1.98 | 35 | 45 | | | | 400 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X50C1.98 | 25 | 45 | | | | 500 | 😐 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X60C1.98 | 15 | 30 | | | | 600 | ☹ | NOT GOOD | NOT GOOD | GOOD |
| PL30X32A1.98 | 35 | 45 | | Yellow |  | 320 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X40A1.98 | 35 | 45 | | | | 400 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X50A1.98 | 25 | 45 | | | | 500 | 😐 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X60A1.98 | 15 | 30 | | | | 600 | ☹ | NOT GOOD | NOT GOOD | GOOD |
| PL30X32B1.98 | 35 | 45 | | Light Blue |  | 320 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X40B1.98 | 35 | 45 | | | | 400 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X50B1.98 | 25 | 45 | | | | 500 | 😐 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X60B1.98 | 15 | 30 | | | | 600 | ☹ | NOT GOOD | NOT GOOD | GOOD |
| PL30X32B2.98 | 35 | 45 | | Blue |  | 320 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X40B2.98 | 35 | 45 | | | | 400 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X50B2.98 | 25 | 45 | | | | 500 | 😐 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X60B2.98 | 15 | 30 | | | | 600 | ☹ | NOT GOOD | NOT GOOD | GOOD |
| PL30X32V1.98 | 35 | 45 | | Dark Green |  | 320 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X40V1.98 | 35 | 45 | | | | 400 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X50V1.98 | 25 | 45 | | | | 500 | 😐 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X60V1.98 | 15 | 30 | | | | 600 | ☹ | NOT GOOD | NOT GOOD | GOOD |
| PL30X32N1.98 | 35 | 45 | | Black |  | 320 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X40N1.98 | 35 | 45 | | | | 400 | 🙂 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X50N1.98 | 25 | 45 | | | | 500 | 😐 | NOT GOOD | NOT SO GOOD | GOOD |
| PL30X60N1.98 | 15 | 30 | | | | 600 | ☹ | NOT GOOD | NOT GOOD | GOOD |

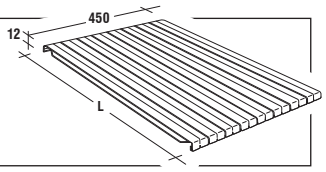


Additionally to the plastic shelf panels in 300 mm width, compensation panels in 150 mm and 200 mm width are also available to suit bay lengths of 1050/1350/1650 mm. The load bearing capacities of these compensation panels are indicated below and refer to uniformly distributed loads, differentiated according to the degree of deflection.

| Article Code | Low deflection | High deflection | Type of Shelf | Colour | | Depth (mm) | Impact resistance | Field of application (°C) | | | Article Code | Low deflection | High deflection |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Panel width | Load bearing capacity (daN) - u.d.l. | | | | | | | | | | Panel width | Load bearing capacity (daN) - u.d.l. | |
| **L=200 mm** | L=200 mm | L=200 mm | | | | | | -30°-- 0° | 0°-- +7° | +7°-- +30° | **L=150 mm** | L=150 mm | L=150 mm |
| PL20X32D1.98 | 27 | - | **FROST** | Frost Green | | 320 | | GOOD | NOT SO GOOD | NOT GOOD | PL15X32D1.98 | 20 | - |
| PL20X40D1.98 | 27 | - | | | | 400 | | GOOD | NOT SO GOOD | NOT GOOD | PL15X40D1.98 | 20 | - |
| PL20X50D1.98 | 27 | - | | | | 500 | | GOOD | NOT SO GOOD | NOT GOOD | PL15X50D1.98 | 20 | - |
| PL20X32C1.98 | 23 | 30 | **STANDARD** | White | | 320 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X32C1.98 | 18 | 23 |
| PL20X40C1.98 | 23 | 30 | | | | 400 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X40C1.98 | 18 | 23 |
| PL20X50C1.98 | 17 | 30 | | | | 500 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X50C1.98 | 13 | 23 |
| PL20X32A1.98 | 23 | 30 | | Yellow | | 320 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X32A1.98 | 18 | 23 |
| PL20X40A1.98 | 23 | 30 | | | | 400 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X40A1.98 | 18 | 23 |
| PL20X50A1.98 | 17 | 30 | | | | 500 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X50A1.98 | 13 | 23 |
| PL20X32B1.98 | 23 | 30 | | Light Blue | | 320 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X32B1.98 | 18 | 23 |
| PL20X40B1.98 | 23 | 30 | | | | 400 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X40B1.98 | 18 | 23 |
| PL20X50B1.98 | 17 | 30 | | | | 500 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X50B1.98 | 13 | 23 |
| PL20X32B2.98 | 23 | 30 | | Blue | | 320 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X32B2.98 | 18 | 23 |
| PL20X40B2.98 | 23 | 30 | | | | 400 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X40B2.98 | 18 | 23 |
| PL20X50B2.98 | 17 | 30 | | | | 500 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X50B2.98 | 13 | 23 |
| PL20X32V1.98 | 23 | 30 | | Dark Green | | 320 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X32V1.98 | 18 | 23 |
| PL20X40V1.98 | 23 | 30 | | | | 400 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X40V1.98 | 18 | 23 |
| PL20X50V1.98 | 17 | 30 | | | | 500 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X50V1.98 | 13 | 23 |
| PL20X32N1.98 | 23 | 30 | | Black | | 320 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X32N1.98 | 18 | 23 |
| PL20X40N1.98 | 23 | 30 | | | | 400 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X40N1.98 | 18 | 23 |
| PL20X50N1.98 | 17 | 30 | | | | 500 | | NOT GOOD | NOT SO GOOD | GOOD | PL15X50N1.98 | 13 | 23 |

**SHELVES 450 MM WIDE H12 MM**

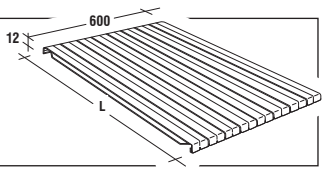
Ref. 5




| component | depth mm |
|---|---|
| 51701.95 | 320 |
| 51704.95 | 400 |
| 51707.95 | 500 |
| 51710.95 | 600 |
| 51713.95 | 700 |

**SHELVES 600 MM WIDE H12 MM**

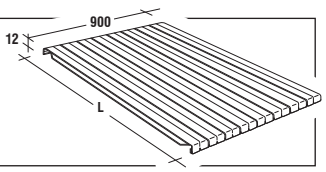
Ref. 5




| component | depth mm |
|---|---|
| 51101.95 | 320 |
| 51104.95 | 400 |
| 51107.95 | 500 |
| 51110.95 | 600 |
| 51113.95 | 700 |

**SHELVES 900 MM WIDE H12 MM**

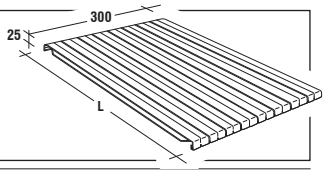
Ref. 5




| component | depth mm |
|---|---|
| 51601.95 | 320 |
| 51604.95 | 400 |
| 51607.95 | 500 |
| 51610.95 | 600 |
| 51613.95 | 700 |

**SHELVES 300 MM WIDE H25MM /A**

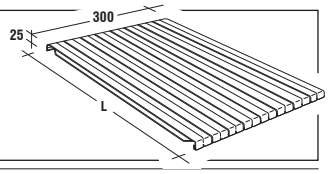
Ref. 6




| component | depth mm |
|---|---|
| 52301.95 | 400 |
| 52304.95 | 500 |
| 52307.95 | 600 |
| 52310.95 | 700 |
| 52313.95 | 800 |

**SHELVES 300 MM WIDE H25MM /B**

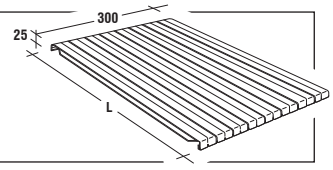
Ref. 6




| component | depth mm |
|---|---|
| 52401.95 | 400 |
| 52404.95 | 500 |
| 52407.95 | 600 |
| 52410.95 | 700 |
| 52413.95 | 800 |

**SHELVES 300 MM WIDE H25MM /C**

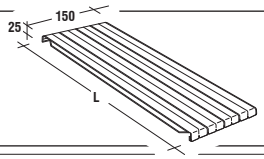
Ref. 6




| component | depth mm |
|---|---|
| 52501.95 | 400 |
| 52504.95 | 500 |
| 52507.95 | 600 |
| 52510.95 | 700 |
| 52513.95 | 800 |

**SHELVES 150 MM WIDE H25 MM/A H25 MM/C**

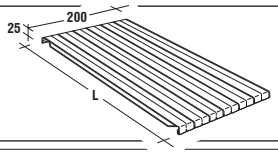
Ref. 6




| component H25/A | depth mm | component H25/C |
|---|---|---|
| 52271.95 | 400 | 52471.95 |
| 52274.95 | 500 | 52474.95 |
| 52277.95 | 600 | 52477.95 |
| 52280.95 | 700 | 52480.95 |
| 52283.95 | 800 | 52483.95 |

**SHELVES 200 MM WIDE H25 MM/A H25 MM/C**

Ref. 6




| component H25/A | depth mm | component H25/C |
|---|---|---|
| 52290.95 | 400 | 52490.95 |
| 52292.95 | 500 | 52492.95 |
| 52294.95 | 600 | 52494.95 |
| 52296.95 | 700 | 52496.95 |
| 52298.95 | 800 | 52498.95 |

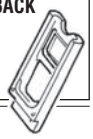
**BEAM RETAINING CLIP**

Ref. 22

| component |
|---|
| 67016.95 |

**BEAM RETAINING CLIP FOR BACK-TO-BACK BAYS**

Ref. 25



| component |
|---|
| 67017.98 |

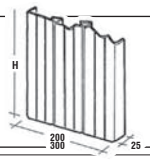
**FASTENING CLIP FOR SHELF PANELS**

Ref. 66

| component |
|---|
| AL210005.95 |

**CLADDING END PANEL H25**

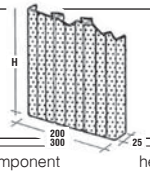
Ref. 26




| component | height x depth mm | component | height x depth mm |
|---|---|---|---|
| 62001.95 | 1485x200 | 62501.95 | 1485x300 |
| 62004.95 | 1940x200 | 62504.95 | 1940x300 |
| 62007.95 | 2480x200 | 62507.95 | 2480x300 |
| 62009.95 | 2980x200 | 62509.95 | 2980x300 |

**CLADDING END PANEL H25 PERFORATED**

Ref. 26




| component | height x depth mm | component | height x depth mm |
|---|---|---|---|
| 62701.95 | 1485x200 | 62901.95 | 1485x300 |
| 62704.95 | 1940x200 | 62904.95 | 1940x300 |
| 62707.95 | 2480x200 | 62907.95 | 2480x300 |
| 62709.95 | 2980x200 | 62909.95 | 2980x300 |

**FASTENING CLIP FOR BACK CLADDING H12** - Ref. 27

| component |
|---|
| 67010.95 |

**FASTENING CLIP FOR BACK CLADDING H25 / H29** - Ref. 27

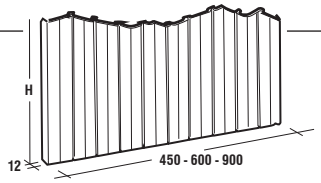
| component |
|---|
| 68108.95 |

**FASTENING CLIP FOR END CLADDING H25** - Ref. 28

| component |
|---|
| 68107.95 |

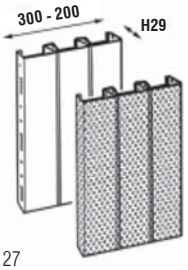
**BACK CLADDING PANELS H12 FOR BACK-TO-BACK BAYS**

Ref. 29




| component | height x depth mm | component | height x depth mm | component | height x depth mm |
|---|---|---|---|---|---|
| 63510.95 | 1485x450 | 63001.95 | 1485x600 | 63501.95 | 1485x900 |
| 63513.95 | 1940x450 | 63004.95 | 1940x600 | 63504.95 | 1940x900 |
| 63516.95 | 2480x450 | 63007.95 | 2480x600 | 63507.95 | 2480x900 |
| 63518.95 | 2980x450 | 63009.95 | 2980x600 | 63509.95 | 2980x900 |

**BACK CLADDING PANELS H29**

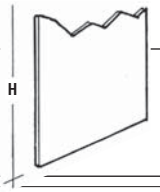



Ref. 27

| component | depth mm | version |
|---|---|---|
| 63101.95 | 300 | smooth |
| 63110.95 | 300 | punch hole |
| 63107.95 | 300 | ribbed |
| 63104.95 | 300 | perforated |
| | | |
| 63111.95 | 200 | smooth |
| 63120.95 | 200 | punch hole |
| 63117.95 | 200 | ribbed |
| 63114.95 | 200 | perforated |

**SIDE CLADDING**

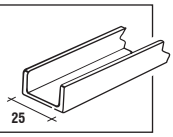
Ref. 30




| component | height x depth mm |
|---|---|
| 67501.95 | 1485 x 320 |
| 67504.95 | 1940 x 320 |
| 67507.95 | 2480 x 320 |
| 67508.95 | 2980 x 320 |
| 67510.95 | 1485 x 400 |
| 67513.95 | 1940 x 400 |
| 67516.95 | 2480 x 400 |
| 67517.95 | 2980 x 400 |
| 67519.95 | 1485 x 500 |
| 67522.95 | 1940 x 500 |
| 67525.95 | 2480 x 500 |
| 67526.95 | 2980 x 500 |
| 67528.95 | 1485 x 600 |
| 67531.95 | 1940 x 600 |
| 67534.95 | 2480 x 600 |
| 67535.95 | 2980 x 600 |

**U-SHAPE PROFILE**

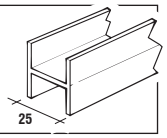
Ref. 31




| | component | length mm |
|---|---|---|
| for H25 | 69800.95 | 4000 |
| for H29 | 69801.95 | 4000 |
| for H58 | 69807.95 | 4000 |
| for H68 | 69808.95 | 4000 |

**H-SHAPE PROFILE**

Ref. 31




| | component | length mm |
|---|---|---|
| for H25 | 69803.95 | 4000 |
| for H29 | 69804.95 | 4000 |
| for H58 | 69810.95 | 4000 |

**BOLT WITH NUT**

| bolt | nut | length mm |
|---|---|---|
| 00005.20 | 00020.20 | 6 x 20 |

**MOBILE LADDER**

Ref. 56 pag. 35

| component | nominal height mm | steps |
|---|---|---|
| 00008879.98 | 2000 | 5 |
| 00008880.98 | 2500 | 7 |
| 00008881.98 | 3000 | 9 |

**MOBILE LADDER GUIDE RAIL**

Ref. 56 pag. 35

| component | length mm |
|---|---|
| 00008894.85 | 900 |
| 00008895.85 | 1050 |
| 00008896.85 | 1200 |
| 00008897.85 | 1350 |
| 00008898.85 | 1500 |
| 00008899.85 | 1650 |
| 00008900.85 | 1800 |

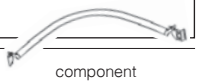
**SELFDRILLING SCREW**

| component | length mm |
|---|---|
| 00016.20 | 6 x 18 |

**RAIL FASTENING SET**

| component |
|---|
| 00008888.98 |

**RAIL CURVE**



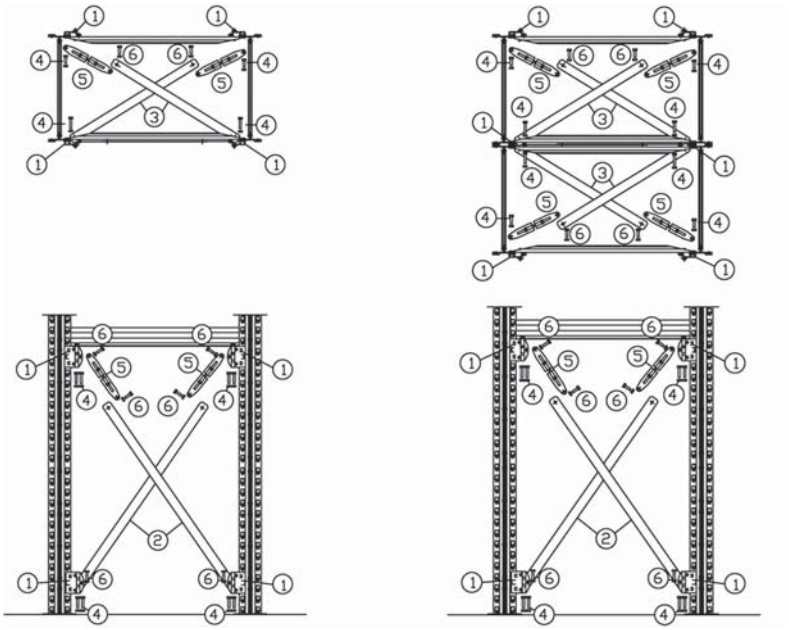
| component |
|---|
| 00008890.85 |

**FLOOR DOWEL**

| component | length mm |
|---|---|
| 00040.20 | 8 x 50 |

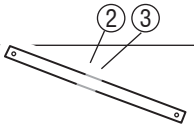
**CROSS BRACING SUPER 1-2-3 SHELVING**

Regarding design, calculation, assembly instructions and ordering, please refer to the technical manual "ISQ03_04/C-012 - CROSS BRACINGS FOR LIGHT DUTY SHELVING"



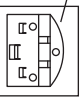
## CROSS BRACING SUPER 1-2-3 SERIES

**DIAGONAL SPACER BARS FOR CROSS BRACING**




| component |
|---|
| 68049.95 |

**CROSS BRACING FASTENING BRACKET**

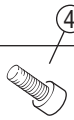



| component |
|---|
| 68051.95 |

**TURNBUCKLE (1/2 component) FOR CROSS BRACING**

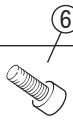

| component |
|---|
| 68053.95 |

**SCREW 6x30 mm**



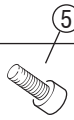

| component |
|---|
| 00027.20 |

**SCREW 6x16 mm**




| component |
|---|
| 00035.20 |

**SCREW 6x70 mm**




| component |
|---|
| 00036.20 |

**NUT 6 mm**

| component |
|---|
| 00020.20 |

CROSS BRACING SUPER 1-2-3 SERIES

Cross bracings (horizontal and vertical ones) have to be used in Super 1-2-3 shelving structures with frame heights exceeding 3000 mm. The sketches shown above explain the make up and assembly of the cross bracing concept referring to a 3000 mm high frame within a single and double sided shelving row.

**MACROCODE 67023.98** for single sided shelving.
The macrocode 67023.98 comprises all components shown in the sketch, except items 2-3

| item | Macrocode 67023.98 q.ty of components |
|---|---|
| 68051.95 | 6 |
| 68053.95 | 8 |
| 00020.20 | 28 |
| 00027.20 | 16 |
| 00035.20 | 8 |
| 00036.20 | 4 |

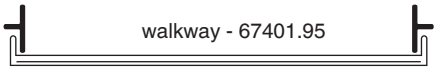
**MACROCODE 67024.98** for double sided shelving.
The macrocode 67024.98 comprises all components shown in the sketch, except items 2-3

| item | Macrocode 67024.98 q.ty of components |
|---|---|
| 68051.95 | 8 |
| 68053.95 | 12 |
| 00020.20 | 40 |
| 00027.20 | 24 |
| 00035.20 | 10 |
| 00036.20 | 6 |

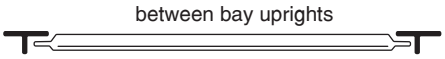
## OVAL HANDRAIL TUBE

| component | |
|---|---|
| 67401.95 | for walkway end |
| 67402.95 | for inside end frame |

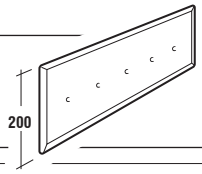
For walkway ends, order article n° 67401.95, specifying the length of the spacer bars used to build the walkway.
In the case of end frames, order art. n° 67402.95, specifying the length of the spacer bar used to build the frame. For handrails between bay uprights order the oval tubular beam in material gauge 10/10 mm, article numbers 36501.95 - 36510.95 (see below).





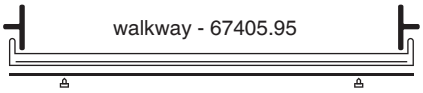


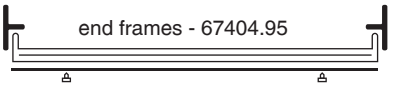

## KICK BOARD

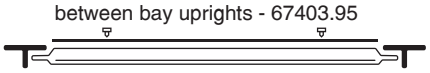



| component | |
|---|---|
| 67405.95 | for walkway end |
| 67404.95 | for inside end frame |
| 67403.95 | between bay uprights |

The kick boards are made from two oval tubular beams (the same used to create the handrails) fixed to the uprights and a sheet metal element fastened to the oval tubular beams with self tapping screws (art. n° 00017.20).
For walkway ends, order art. n° 67405.95, specifying the length of the spacer bars used to build the walkway. For end frames, order art. n° 67404.95, specifying the length of the spacer bars used to build the frames. As for longitudinal kick boards, order art. n° 67403.95, specifying the length of the oval tubular beam.

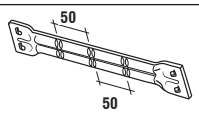



## SPACER BAR FOR INSERT TUBES

Ref. 19

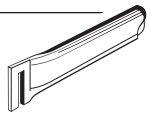



| component | depth mm | q.ty of notches to locate oval insert tubes |
|---|---|---|
| 67821.95 | 320 | 3 |
| 67822.95 | 400 | 5 |
| 67823.95 | 500 | 7 |
| 67824.95 | 600 | 9 |
| 67825.95 | 700 | 11 |
| 67826.95 | 800 | 13 |

Att.: please, refer to METALSISTEM Informa" n° 296 for design and load bearing capacity.

## OVAL INSERT TUBES FOR SPACER BARS

Ref. 19



| component | length mm |
|---|---|
| 67421.95 | 900 |
| 67424.95 | 1200 |
| 67427.95 | 1500 |
| 67430.95 | 1800 |

## ROW SPACER TIE BAR (clear span)

Ref. 49

| component | depth mm |
|---|---|
| 67400.95 | clear span |

## OVAL SHAPED BEAMS

Ref. 20

| component | mat. gauge mm | load cap. <daN> u.d.l. per beam | length mm | component | mat. gauge mm | load cap. <daN> u.d.l. per beam |
|---|---|---|---|---|---|---|
| 36501.95 | 10/10 | 175 | 900 | 36801.95 | 18/10 | 295 |
| 36504.95 | 10/10 | 120 | 1200 | 36804.95 | 18/10 | 200 |
| 36507.95 | 10/10 | 75 | 1500 | 36807.95 | 18/10 | 130 |
| 36510.95 | 10/10 | 52 | 1800 | 36810.95 | 18/10 | 90 |

Regarding design and load bearing capacity please refer to "METALSISTEM Informa" n° 292.
In the case that the oval shaped beams are used for tyre storage, please refer to "METALSISTEM Informa" n° 353 regarding correct design, application and load bearing capacities.

## MODULAR SLIDING GATE

Page 25 of this brochure
METALSISTEM Informa n° 547/613

| component | operation with: | serviceable span mm | overall height from walkway level mm |
|---|---|---|---|
| 00010780.G1 | suspended guide rail | 1500 | 1118 |
| 00010781.G1 | suspended guide rail | 2000 | 1118 |
| 00019650.G1 | guide rail on ground | 1500 | 1168 |
| 00019651.G1 | guide rail on ground | 2000 | 1168 |

## STEEL BASE PLATE

Ref. 1

| component |
|---|
| 67001.95 |

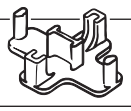
## PLASTIC BASE PLATE AND TOP CAP FOR SINGLE UPRIGHTS

Ref. 1 / Ref. 20

| component |
|---|
| 68055.98 |

## PLASTIC BASE PLATE AND TOP CAP FOR DOUBLE UPRIGHTS

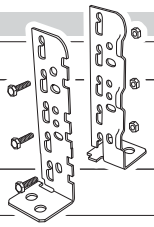
Ref. 1



| component |
|---|
| 67005.98 |

## HEAVY DUTY BASE PLATE

Ref. 1



| component |
|---|
| 67006.95 |

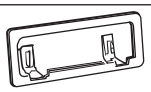
## SHIMS FOR STEEL BASE PLATES

Ref. 1

| component | gauge |
|---|---|
| 66999.95 | 1 mm |
| 67000.95 | 2 mm |

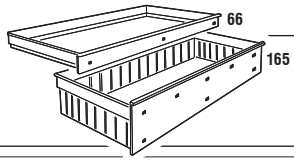
## PLASTIC LABEL HOLDER

Ref. 23



| component |
|---|
| 67008.98 |

## DRAWER

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| component | length mm | height mm | depth mm |
|---|---|---|---|
| 67830.98 | 900 | 66 | 400 |
| 67831.98 | 900 | 66 | 500 |
| 67832.98 | 900 | 66 | 600 |
| 67833.98 | 1200 | 66 | 400 |
| 67834.98 | 1200 | 66 | 500 |
| 67835.98 | 1200 | 66 | 600 |
| 67883.98 | 1500 | 66 | 400 |
| 67884.98 | 1500 | 66 | 500 |
| 67885.98 | 1500 | 66 | 600 |
| 67836.98 | 900 | 165 | 400 |
| 67837.98 | 900 | 165 | 500 |
| 67838.98 | 900 | 165 | 600 |
| 67839.98 | 1200 | 165 | 400 |
| 67840.98 | 1200 | 165 | 500 |
| 67841.98 | 1200 | 165 | 600 |
| 67886.98 | 1500 | 165 | 400 |
| 67887.98 | 1500 | 165 | 500 |
| 67888.98 | 1500 | 165 | 600 |

## KEY LOCK FOR DRAWER

Each cylinder lock is provided with two keys of the respective coding scheme.
See METALSISTEM Informa n° 679

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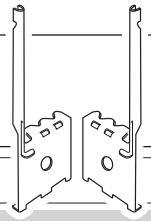
| article | Key Coding Scheme | article | Key Coding Scheme |
|---|---|---|---|
| AL210099.801.21 | 801 | AL210099.806.21 | 806 |
| AL210099.802.21 | 802 | AL210099.807.21 | 807 |
| AL210099.803.21 | 803 | AL210099.808.21 | 808 |
| AL210099.804.21 | 804 | AL210099.809.21 | 809 |
| AL210099.805.21 | 805 | AL210099.810.21 | 810 |

## CLIPS FOR SLIDING DIVIDERS

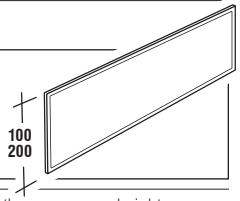
Ref. 11



| component |
|---|
| 68109.95 (one couple) |

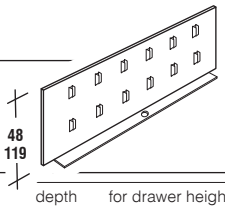
## SLIDING DIVIDER H100/H200

Ref. 11




| component | depth mm | height mm |
|---|---|---|
| 67200.95 | 320 | 100 |
| 67204.95 | 400 | 100 |
| 67206.95 | 500 | 100 |
| 67208.95 | 600 | 100 |
| 67210.95 | 700 | 100 |
| 67212.95 | 800 | 100 |
| 67220.95 | 320 | 200 |
| 67222.95 | 400 | 200 |
| 67224.95 | 500 | 200 |
| 67226.95 | 600 | 200 |
| 67228.95 | 700 | 200 |
| 67230.95 | 800 | 200 |

## PERFORATED DRAWER WALL

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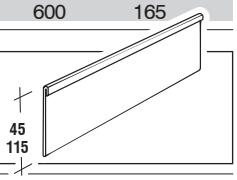
| component | height mm | depth mm | for drawer height mm |
|---|---|---|---|
| 67842B.95 | 48 | 400 | 66 |
| 67843B.95 | 48 | 500 | 66 |
| 67844B.95 | 48 | 600 | 66 |
| 67842A.95 | 119 | 400 | 165 |
| 67843A.95 | 119 | 500 | 165 |
| 67844A.95 | 119 | 600 | 165 |

## DIVIDER FOR DRAWER

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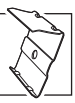
| component | height mm | length mm | for drawer height mm |
|---|---|---|---|
| 67845B.95 | 45 | 50 | 66 |
| 67846B.95 | 45 | 100 | 66 |
| 67847B.95 | 45 | 150 | 66 |
| 67848B.95 | 45 | 200 | 66 |
| 67849B.95 | 45 | 300 | 66 |
| 67850B.95 | 45 | 400 | 66 |
| 67845A.95 | 115 | 50 | 165 |
| 67846A.95 | 115 | 100 | 165 |
| 67847A.95 | 115 | 150 | 165 |
| 67848A.95 | 115 | 200 | 165 |
| 67849A.95 | 115 | 300 | 165 |
| 67850A.95 | 115 | 400 | 165 |

## FASTENING CLIP FOR MODULAR CONTAINER

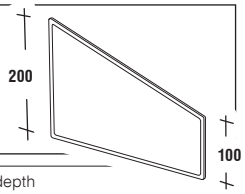
Ref. 66



| article |
|---|
| AL210005.95 |

## TRAPEZ. SLIDING DIVIDER

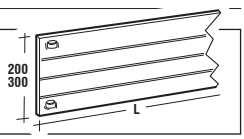
Ref. 11




| component | depth mm |
|---|---|
| 67170.95 | 320 |
| 67172.95 | 400 |
| 67174.95 | 500 |
| 67176.95 | 600 |
| 67178.95 | 700 |
| 67180.95 | 800 |

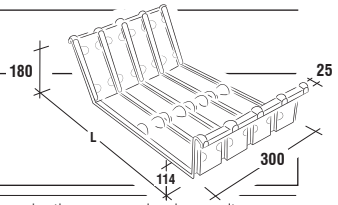
## SHELF BOARD

Ref. 40




| component | height x length mm |
|---|---|
| 64016.95 | 200 x 900 |
| 64019.95 | 200 x 1200 |
| 64022.95 | 200 x 1500 |
| 64025.95 | 200 x 1800 |
| 64031.95 | 300 x 900 |
| 64034.95 | 300 x 1200 |
| 64037.95 | 300 x 1500 |
| 64040.95 | 300 x 1800 |

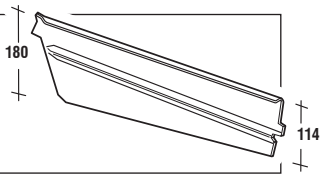
## MODULAR CONTAINERS




Ref. 9-10

| component | depth mm | load capacity <daN> u.d.l. |
|---|---|---|
| 61017.95 | 320 | 90 |
| 61018.95 | 400 | 90 |
| 61019.95 | 500 | 70 |
| 61020.95 | 600 | 65 |
| 61021.95 | 700 | 60 |
| 61022.95 | 800 | 60 |

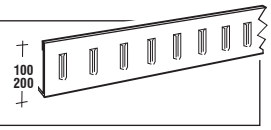
## DIVIDERS FOR MODULAR CONTAINERS




Ref. 9-10

| component | depth mm |
|---|---|
| 61517.95 | 320 |
| 61518.95 | 400 |
| 61519.95 | 500 |
| 61520.95 | 600 |
| 61521.95 | 700 |
| 61522.95 | 800 |

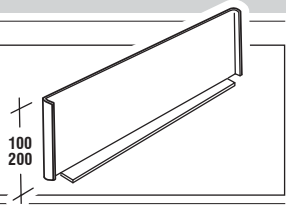
## BIN FRONT OR REAR FOR SHELF TRAYS




Ref. 13

| component | height x length mm |
|---|---|
| 64101.95 | 100 x 900 |
| 64104.95 | 100 x 1000 |
| 64107.95 | 100 x 1200 |
| 64110.95 | 100 x 1500 |
| 64113.95 | 200 x 900 |
| 64116.95 | 200 x 1000 |
| 64119.95 | 200 x 1200 |
| 64122.95 | 200 x 1500 |

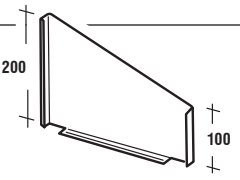
## DIVIDER H100/ H200 FOR SHELF TRAYS




Ref. 13

| component | depth mm | height mm | component | depth mm | height mm |
|---|---|---|---|---|---|
| 67151.95 | 320 | 100 | 67152.95 | 320 | 200 |
| 67154.95 | 400 | 100 | 67153.95 | 400 | 200 |
| 67157.95 | 500 | 100 | 67155.95 | 500 | 200 |
| 67160.95 | 600 | 100 | 67156.95 | 600 | 200 |
| 67162.95 | 700 | 100 | 67158.95 | 700 | 200 |
| 67164.95 | 800 | 100 | 67159.95 | 800 | 200 |

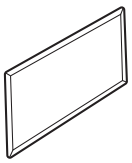
## TRAPEZOIDAL DIVIDERS H 200/100 FOR SHELF TRAYS




Ref. 14

| component | depth mm | component | depth mm |
|---|---|---|---|
| 67181.95 | 320 | 67190.95 | 600 |
| 67184.95 | 400 | 67192.95 | 700 |
| 67187.95 | 500 | 67194.95 | 800 |

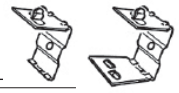
### FIXED HEIGHT DIVIDERS



Ref. 16

| component | depth mm | height mm |
|---|---|---|
| 67720.95 | 320 | 244 |
| 67722.95 | 400 | 244 |
| 67724.95 | 500 | 244 |
| 67726.95 | 600 | 244 |
| 67728.95 | 700 | 244 |
| 67730.95 | 800 | 244 |
| 67740.95 | 320 | 344 |
| 67742.95 | 400 | 344 |
| 67744.95 | 500 | 344 |
| 67746.95 | 600 | 344 |
| 67748.95 | 700 | 344 |
| 67750.95 | 800 | 344 |
| 67760.95 | 320 | 444 |
| 67762.95 | 400 | 444 |
| 67764.95 | 500 | 444 |
| 67766.95 | 600 | 444 |
| 67768.95 | 700 | 444 |
| 67770.95 | 800 | 444 |

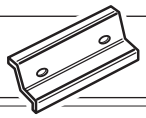
### CLIPS FOR FIXED HEIGHT DIVIDERS



Ref. 16

| component | |
|---|---|
| 68110.95 | double-sided |
| 68111.95 | single-sided |

### CHIPBOARD CLIP



Ref. 8

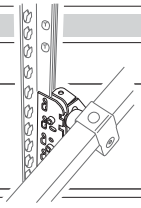
| component |
|---|
| 67025.95 |

### REINFORCING BRACKET FOR UPRIGHTS

Ref. 50

| component |
|---|
| 65023.95 |

### HANDRAIL FASTENING KIT FOR STAIRCASES



Ref. 45

| Art. 65000.95 | made from following components: | q.ty |
|---|---|---|
| 00007406.98 | PLASTIC WHEEL | 2 |
| 00007414.98 | SQUARE INSERT WITH HOLE ø 8MM | 1 |
| 00013513.20 | M8X80 CSSH BOLT UNI5933 ZB | 1 |
| 00014509.20 | M6X20 CHS BOLT 8,8 DIN912 ZP | 2 |
| 00020.20 | M6 NUT 8 DIN934 ZP | 2 |
| 00021.20 | M8 NUT 8 DIN934 ZP | 1 |
| 65005/A.95 | RIGHT CONNEC. HANDRAIL S123/US | 1 |
| 65005/B.95 | LEFT CONNECT. HANDRAIL S123/US | 1 |
| SI03A018.85 | CLIP WITHOUT THR.+LUGS THR.SID | 1 |
| SLACC089.95 | UNIRACK BRACING BRACKET | 1 |

### T-SECTION SUPPORT BRACKET

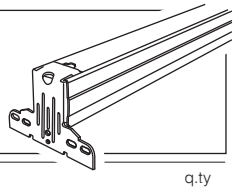
Ref. 36

### FRAME BACK-TO-BACK CLAMPS

Ref. 24

| component |
|---|
| 67022.95 |

### WALKWAY BEAM

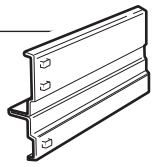


METALSISTEM Informa n° 665

Ref. 57

| component | description | q.ty |
|---|---|---|
| AI210013.95 | Walkway Beam Profile 70X70/6 | 1 |
| AI210082.95 | Walkway Beam Connector | 2 |
| 00058.20 | Screw 5.5X19 | 2 |

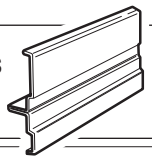
### WALKWAY SUPPORT T-SECTION BEAM - H58 (inner frame)



Ref. 36-37

| component | length mm | load capacity <daN> per pair - u.d.l. |
|---|---|---|
| 67320.95 | 900 | 1000 |
| 67322.95 | 1200 | 750 |
| 67324.95 | 1500 | 600 |

### WALKWAY SUPPORT T-SECTION H58 FOR WALKWAYS LENGTH = 6200 MM



Ref. 35

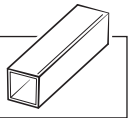
| component |
|---|
| 67015.95 |

### TOP CAP FOR T-SECTION SUPPORT BAR H58

Ref. 38

| component |
|---|
| 67026.98 |

### HANDRAIL made from profile section Ø 32x32mm



Ref. 45

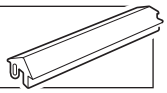
| component | description | length mm |
|---|---|---|
| SI01C500.85 | INOX 32/22 BEAM PROFILE | 5000 |
| ZN04C600.95 | GALVAN. BEAM PROFILE 32/4 | 6000 |

### NYLON PLUG FOR HANDRAIL

Ref. 45

| component |
|---|
| SI01A003.98 |

### PLASTIC STRIP FOR TYRES LENGTH = 3000 MM



Ref. 21

| component |
|---|
| 67020.98 |

### NOISE DAMPENING ADHESIVE STRIP LENGTH = 10 METERS

Ref. 35

| component |
|---|
| 67021.98 |

### REINFORCED UPRIGHT SUPER-3

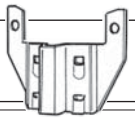
with a Unirack upright profile riveted back-to-back onto the Super-3 upright

See page 32/33 - Ref. 44

as well as METALSISTEM Informa n° 653

| component | reinforced up to height <mm> | component | reinforced up to height <mm> |
|---|---|---|---|
| 9923018.95 | 1800 | 9923023.95 | 2300 |
| 9923019.95 | 1900 | 9923024.95 | 2400 |
| 9923020.95 | 2000 | 9923025.95 | 2500 |
| 9923021.95 | 2100 | 9923026.95 | 2600 |
| 9923022.95 | 2200 | 9923027.96 | 2700 |

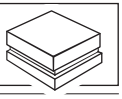
### WALL FASTENING BRACKET



Ref. 34

| component |
|---|
| 65022.95 |

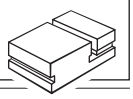
### PVC HANDRAIL JOINT - 65 MM



Ref. 48

| component |
|---|
| 69840.98 |

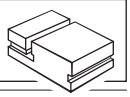
### PVC JOINT FOR HANDRAIL INTERSECTION AT RIGHT



Ref. 48

| component |
|---|
| 69837.98 |

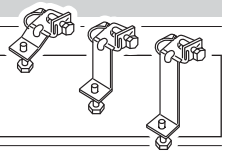
### PVC JOINT FOR HANDRAIL INTERSECTION AT LEFT



Ref. 48

| component |
|---|
| 69843.98 |

### STEEL PLANK FIXING BRACKET



Ref. 54 pag. 39

| component | | | |
|---|---|---|---|
| Steel Plank Clamp | | | 69829.95 |
| M8x16 Bolt | | | 00056.20 |
| | | up to profile height | |
| Bracket + Bolt | 10x20 mm | 20mm | 69861.98 |
| Bracket + Bolt | 10x20 mm | 40mm | 69862.98 |
| Bracket + Bolt | 10x20 mm | 60mm | 69863.98 |
| Steel Plank Fixing Bracket + Bolt | 8x40 mm | 40mm | 69864.98 |

(includes already the components 69829.95 and 00056.20)

**LOCKABLE DOOR,**
Standard Finish: Grey RAL 7001

| component | length x height mm |
|---|---|
| 68201.98 | 900x2000H |
| 68204.98 | 1200x2000H |
| 68207.98 | 1500x2000H |
| 68210.98 | 900x2500H |
| 68213.98 | 1200x2500H |
| 68216.98 | 1500x2500H |

**LOCKABLE SLIDING DOOR**
- available in zinc coated version or powder coated.
- standard colour blue, RAL 5010 - other colours available upon request
- see also METALSISTEM Informa n° 583

Ref. 63

| bay length x height mm | zinc coated version component | powder coated version component |
|---|---|---|
| 900x2000H | 68220.95 | 68220.-- |
| 1200x2000H | 68222.95 | 68222.-- |
| 1500x2000H | 68224.95 | 68224.-- |
| 900x2500H | 68230.95 | 68230.-- |
| 1200x2500H | 68232.95 | 68232.-- |
| 1500x2500H | 68234.95 | 68234.-- |


Ref. 63


Ref. 62

LxDxH overall dimension <mm> 1025/1325/1625x595x1975

**STEEL CABINET WITH 4 MODULAR SHELF PANELS** made from Super 1 beams and H12 mm panels and lockable sliding doors.
Cabinet available in zinc coated version or with powder coated cladding.
Standard colours: red RAL 3000, blue RAL 5010, yellow RAL 1004.
Ref. 62

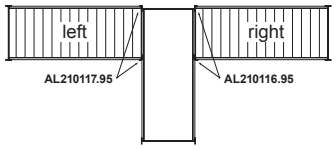
**CLADDING SET** made from side/back/top (*) cladding panels.
(*) top cladding panel standard zinc coated
Cladding Set includes fastening accessories Ref. 62

| bay length x depth x height nominal dimension mm | zinc coated version component | powder coated version component | zinc coated version component | powder coated component |
|---|---|---|---|---|
| 900x500x2000 | MS210001.95 | MS210001.-- | MS210004.95 | MS210004.-- |
| 1200x500x2000 | MS210002.95 | MS210002.-- | MS210005.95 | MS210005.-- |
| 1500x500x2000 | MS210003.95 | MS210003.-- | MS210006.95 | MS210006.-- |

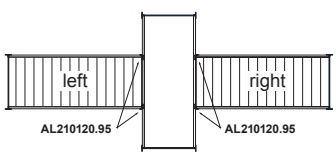
**CORNER BRACKETS**
Ref. 67 – Page 14

| Macrocode | description |
|---|---|
| **AL 210116.95** | Kit of Corner Brackets - Right made from: |
| AL 210108.95 | Corner Bracket Upright - Right |
| AL 210112.95 | Corner Bracket Beam - Right |
| **AL 210117.95** | Kit of Corner Brackets - Left made from: |
| AL 210109.95 | Corner Bracket Upright - Left |
| AL 210113.95 | Corner Bracket Beam - Left |

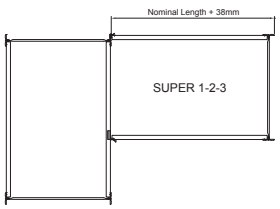
Application



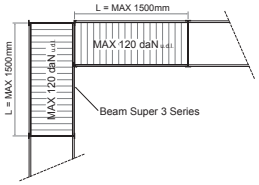

| | |
|---|---|
| **AL 210120.95** | Kit of Brackets for "T" Configuration made from: |
| AL 210112.95 | Corner Bracket Beam - Right |
| AL 210113.95 | Corner Bracket Beam - Left |



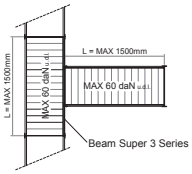

**Technical Specifications regarding calculation, layout, maximum load bearing capacity**




CORNER SOLUTION



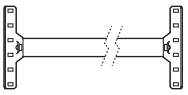

"T"-SHAPED PENINSULAR CONFIGURATION




When creating corner solutions of "T"-shaped configurations, please pay attention to the following specifications:
- The corner configuration offers a maximum load bearing capacity of 120daN for both corner and receiving shelves;
- "T" shaped configurations are limited to 60daN per shelf (see sketch above);
- Only Super 3 beams can be used as receiving beams;
- The receiving and corner beam may not be longer than 1500mm;
- No more than two brackets can be placed on a receiving beam ("T" configuration);
- The peninsula of the "T" configuration may be no longer than one sole bay.
- The use of safety clips is mandatory, these are not included in the macrocodes above.

For the correct assembly of corner brackets and use of safety clips for this new solution, please refer to the assembly instruction <Doc. ID ISTM-299> as well as to the indications of METALSISTEM Informa n° 708.

**REINFORCEMENT BAR**
Ref. 65 Page 34/35



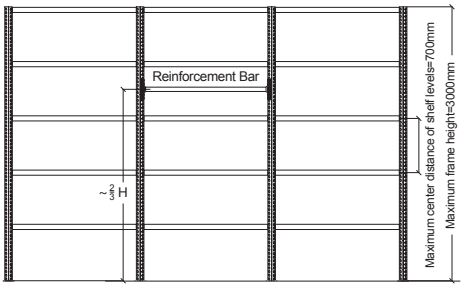
| article | length mm |
|---|---|
| AL210101.95 | 900 |
| AL210102.95 | 1050 |
| AL210103.95 | 1200 |
| AL210104.95 | 1350 |
| AL210105.95 | 1500 |
| AL210106.95 | 1650 |
| AL210107.95 | 1800 |

Reinforcement bars may be ordered in either of the following modalities:
- preassembled items for standard nominal bay dimensions from 900 to 1800 mm in length; see above code numbers.
- loose items that may be assembled on site following the assembly instructions "ISTM-298";

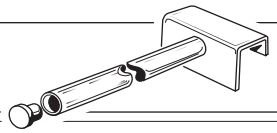
Please also refer to METALSISTEM Informa n 706.

| article | description | q.ty |
|---|---|---|
| AL210100.95 | Connection Bracket | 2 |
| VI000175.20 | Screw Peg M8x30 mm | 2 |
| 36002.95 | Oval Tubular Profile, zinc coated | 1 |

Notes:
- The oval tubular profile has be ordered in real dimensions, i.e.: real dimension = nominal dimension - 89 mm.
- Screw pegs are supplied in standard packaging quantities.

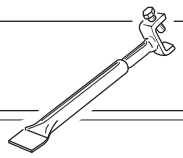


**DIVIDER FOR EXHAUST PIPES**
Ref. 18

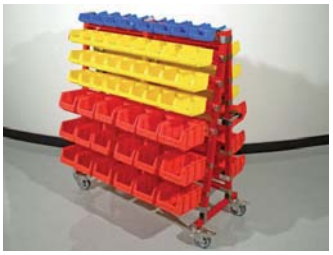


| component | |
|---|---|
| 67301.98 | horizontal |
| 67302.98 | vertical |

**TELESCOPIC TUBE DIVIDERS inner and outer**
Ref. 17



| component | height mm |
|---|---|
| 67290.95 | 280 inner |
| 67293.95 | 280 outer |
| 67296.95 | 560 inner |
| 67299.95 | 560 outer |

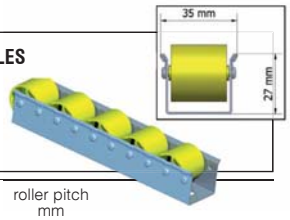


| ITEM: | Single Sided Plastic Bin Trolley | Double Sided Plastic Bin Trolley |
|---|---|---|
| component | 00005598.98 | 00005179.98 |
| dimension <LxDxH> mm | 720 x 390 x 1210 | 1120 x 500 x 1240 |
| load levels | 6 single sided levels | 7 double sided levels |

**Description**: trolley on four rubber rimmed swivelling castors, two with brakes.
Designed to accommodate BULL plastic bin series on 6 or 7 levels in height, respectively.
Suited for BULL-1 to BULL-3 plastic bin series.
The trolleys are supplied preassembled in kit from; the kit does not contain the modular plastic bins, these need to be ordered separately.

## **SUPER 1-2-3** LIGHT DUTY DYNAMIC STORAGE SOLUTIONS - CARTON FLOW

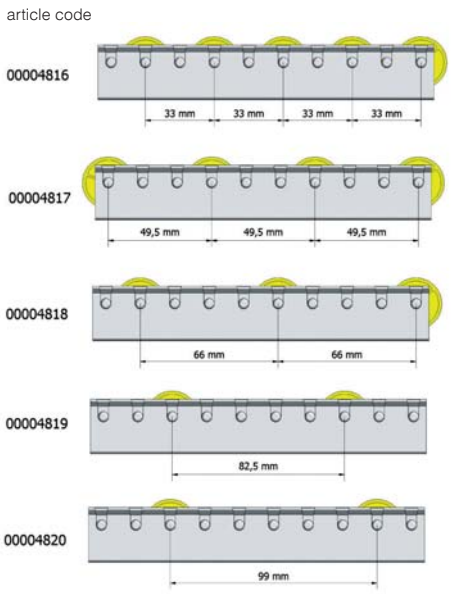
**FLOW TRACK PROFILES**
Page 37



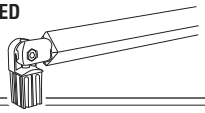

| component | roller pitch mm |
|---|---|
| 00004816.95 | 33 |
| 00004817.95 | 49,5 |
| 00004818.95 | 66 |
| 00004819.95 | 82,5 |
| 00004820.95 | 99 |

**SCEENSTRIP FOR FLOW TRACK PROFILES**
Page 37

| component | bay length mm |
|---|---|
| 00019796.95 | 900 |
| 00019797.95 | 1200 |
| 00019798.95 | 1500 |

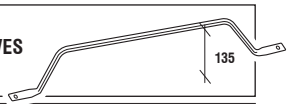



**REMOVABLE ROLLER BED DIVIDER**
Page 37

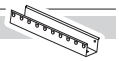


| article | description |
|---|---|
| ZN04M000.95 | galvanised profile 32/4 spec. |
| MH210001.98 | roller bed separator joints |

**RUNWAY DIVIDER FOR ROLLER SHELVES**
Page 37




| component | runway depth mm | |
|---|---|---|
| 00007963.95 | 624 | |
| 00006421.95 | 1285 | |
| 00004357.95 | support profile for runway divider | |



**LOAD BEARING CAPACITY <daN> OF SINGLE FLOW TRACK PROFILES**

| distance between supports mm | 00004816 33 mm | 00004817 49,5 mm | 00004818 66 mm | 00004819 82,5 mm | 00004820 99 mm |
|---|---|---|---|---|---|
| 200 | 18 | 12 | 9 | 7 | 6 |
| 300 | 27 | 18 | 14 | 11 | 9 |
| 400 | 36 | 24 | 18 | 15 | 12 |
| 500 | 36 | 30 | 23 | 18 | 15 |
| 600 | 31 | 31 | 27 | 22 | 18 |
| 700 | 27 | 27 | 27 | 25 | 21 |
| 800 | 20 | 20 | 20 | 20 | 20 |
| 900 | 16 | 16 | 16 | 16 | 16 |
| 1000 | 13 | 13 | 13 | 13 | 13 |
| 1100 | 11 | 11 | 11 | 11 | 11 |
| 1200 | 9 | 9 | 9 | 9 | 9 |
| 1300 | 8 | 8 | 8 | 8 | 8 |
| 1400 | 7 | 7 | 7 | 7 | 7 |
| 1500 | 6 | 6 | 6 | 6 | 6 |
| 1600 | 5 | 5 | 5 | 5 | 5 |
| 1700 | 5 | 5 | 5 | 5 | 5 |
| 1800 | 4 | 4 | 4 | 4 | 4 |
| 1900 | 4 | 4 | 4 | 4 | 4 |
| 2000 | 3 | 3 | 3 | 3 | 3 |

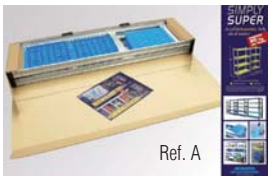
**FLOW TRACK CUT PITCHES mm**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 359 | 821 | 1283 | 1745 | 2207 | 2669 | 3131 | 3593 |
| 392 | 854 | 1316 | 1778 | 2240 | 2702 | 3164 | 3626 |
| 425 | 887 | 1349 | 1811 | 2273 | 2735 | 3197 | 3659 |
| 458 | 920 | 1382 | 1844 | 2306 | 2768 | 3230 | 3692 |
| 491 | 953 | 1415 | 1877 | 2339 | 2801 | 3263 | 3725 |
| 524 | 986 | 1448 | 1910 | 2372 | 2834 | 3296 | 3758 |
| 557 | 1019 | 1481 | 1943 | 2405 | 2867 | 3329 | 3791 |
| 590 | 1052 | 1514 | 1976 | 2438 | 2900 | 3362 | 3824 |
| 623 | 1085 | 1547 | 2009 | 2471 | 2933 | 3395 | 3857 |
| 656 | 1118 | 1580 | 2042 | 2504 | 2966 | 3428 | 3890 |
| 689 | 1151 | 1613 | 2075 | 2537 | 2999 | 3461 | 3923 |
| 722 | 1184 | 1646 | 2108 | 2570 | 3032 | 3494 | 3956 |
| 755 | 1217 | 1679 | 2141 | 2603 | 3065 | 3527 | 3989 |
| 788 | 1250 | 1712 | 2174 | 2636 | 3098 | 3560 | 4022 |

Notes: the flow track profiles are made from galvanised, high tensile steel. The yellow polypropylene plastic rollers are inserted into the tracks at varying pitches of either 33, 49.5, 66, 82,5 or 99 mm. The load bearing capacity of the flow track profile has been calculated on the basis of the application of a uniformly distributed load respecting both tensile strength and a deflection of <L/500. ("L" is the distance between supports, ranging from 200 to 2000 mm). The maximum load bearing capacity of a single roller is 3 daN.

# SIMPLY SUPER – DO-IT-YOURSELF – PATENTED BOLTLESS SHELVING KITS







**"SIMPLY SUPER"** are **DO-IT-YOURSELF** shelving kits, conceived for easy use within the domestic environment. Simply Super is available in two different heights - 1840 and 1576 mm - with 5 or 4 shelf levels in height, respectively. Two shelf options are available: plastic panels or steel shelf panels. Starter bays can be easily integrated with add-on-bays. All of them in 900 mm width and 400 mm depth. Shelves can be regulated in height at a 33 mm pitch. Simply Super is made from prime quality high tensile steel, certified according to EN 10204 3.1.

| component | shelving kit to build a: | nominal bay dimensions L x D x H - mm | shelf panel type & q.ty |
|---|---|---|---|
| 75000.98 | starter unit | 1000 x 400 x 1576 | 4 steel shelves |
| 75000C.98 | add-on-unit | | |
| 75001.98 | starter unit | 1000 x 400 x 1840 | 5 steel shelves |
| 75001C.98 | add-on-unit | | |
| 75002.98 | starter unit | 1000 x 400 x 1576 | 4 plastic shelves, yellow |
| 75002C.98 | add-on-unit | | |
| 75003.98 | starter unit | 1000 x 400 x 1576 | 4 plastic shelves, light blue |
| 75003C.98 | add-on-unit | | |

| component | description | box height mm |
|---|---|---|
| 75105/E.98 | Packaging set | 1580 |
| see Ref. A above: | composed of cardboard box + sticker + flyer | |
| 75107/E.98 | Packaging set | 1850 |
| see Ref. A above: | composed of cardboard box + sticker + flyer | |
| 75100I.98 | Screen Print Box | 1580 |
| see Ref. B above | | |
| 75101I.98 | Screen Print Box | 1850 |
| see Ref. B above | | |

## PLASTIC LINE (Page 19)

**See more on the web**

Open fronted bins with very strong structure. Easily to be placed one upon another. Large front label holder. Made from high density polyethylene. Fracture and breakage proof. Resistant to acids, oils, solvents and detergents. Ergonomic line with comfortable handles for lifting. Base completely flat and anti-skid. Full length return to clip to louvred panels. Brilliant colours and pleasant design.

**BULL 1 / K1**

L. 105 x D. 88/70 x H. 54 mm

Package of 100 pcs.

**BULL2 / K2**

L. 105 x D. 167/140 x H. 82 mm

Package of 48 pcs.

**BULL 3 / K3**

L. 144 x D. 237/190 x H. 123 mm

Package of 38 pcs.

**BULL 4 / K4**

L. 205 x D. 345/270 x H. 164 mm

Package of 24 pcs.

**BULL 5 / K5**

L. 298 x D. 485/400 x H. 189 mm

Package of 12 pcs.

**BULL 6/D**
**BULL 6**
**K6/D**
**K6**

● = available without fixed divider

L. 372 x D. 600/460 x H. 250 mm

Package of 4 pcs.

**BULL 7**
**BULL 7/D**

♦ = available with fixed divider

L. 442 x D. 700/540 x H. 300 mm

Package of 4 pcs.

**BULL 4/D**
**K4/D**

Can be equipped with 1, 2, or 3 mobile dividers

L. 406 x D. 345/270 x H. 164 mm

Package of 8 pcs.

METALSISTEMA® FEM section X UNICMI TÜVRheinland® RINA RINA SOA RINA OS18-A V° cat.

Our dedication to making a difference: creating **MORE VALUE** with **LESS IMPACT!**
METALSISTEM is proud to adopt **ECO-EFFICIENCY** concepts in its business model.
ZERO emission and ZERO ecological impact thanks to a **UNIQUE MANUFACTURING PROCESS!**
METALSISTEM has achieved energy self-sufficiency through the use of renewable resources.

**See more on the web**

SUPER 1/2/3

MODULAR STEEL STORAGE SYSTEMS













| NR. EDIZIONE | DATA EDIZIONE | NR. REVISIONE | DATA REVISIONE | DATA STAMPA | CODICE |
|---|---|---|---|---|---|
| 04 | 05/2015 | 00 | 05/2015 | 05/2015 | ING011NE.005.98 |