

METALSISTEM[®]



catalogue
SUPER4-5-6

Patented modular structures

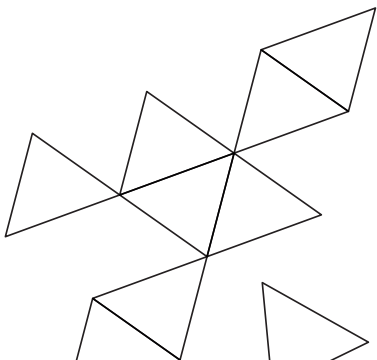


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Production facilities

Rovereto (TN)



Viale dell'Industria, 2 - 38068 Rovereto (TN) - Italia



Viale del Lavoro, 3 - 38068 Rovereto (TN) - Italia



Viale Caproni, 50 - 38068 Rovereto (TN) - Italia



Viale del Lavoro, 1 - 38068 Rovereto (TN) - Italia

Rovereto - R&D Department



Via Marconi, 3 - 38068 Rovereto (TN) - Italia

Gussago (BS)



Via Mandolossa, 100 - 25064 Gussago (BS) - Italia

Gambara (BS)



Villaggio Europa, 8 - 25020 Gambara (BS) - Italia

Motta di Livenza (TV)



Via Friuli, 32 - 31045 Motta di Livenza (TV) - Italia

Customised Modularity.
Since 1970

Follow us on   

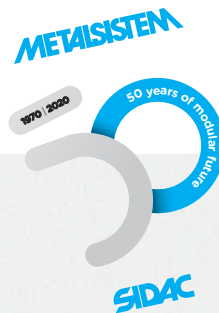
METALSISTEM: yesterday, today, tomorrow

Founded in **1970**, METALSISTEM commenced its activities specialising in the design and production of metal roll-forming machinery and the manufacture of galvanised steel profiles created for the material handling sector. This first step established METALSISTEM as the pivot around which an articulated network of companies flourished. METALSISTEM, with **headquarters in Rovereto (TN) – Italy**, is a world leader not only in the **material handling sector**, but also in **industrial automation systems, shopfitting solutions and in photovoltaic panel support systems**.

Thanks to its exceptional production capacity and sales network, METALSISTEM creates **unique cutting-edge products**. Continuous research in new production technologies creates products that are perfectly suited for safe exhibition and storage spaces.

The great versatility of METALSISTEM components, combined with their easy application, facilitates the erection of modular systems which are able to both fully satisfy the customer's needs and follow the evolutionary developments of the sector.

A system which is **modular, functional and simple in application**: these are the core ideals of the original concept that gave birth to an articulated range of storage and archiving systems. Every product is defined by **superior structural performance** while ensuring **high standards of quality** that are recognised by the most important European controlling bodies.



Discover



more

Quality, Excellence, Service

our strength points in the challenge of competitiveness

METALSISTEM for a sustainable development

Corporate responsibility

METALSISTEM is an industrial group that operates in various institutional, economic, political, social, and cultural environments. In a rapidly changing world, being able to create a long-term value in corporate sustainability is not only a desirable goal, but an imperative necessity for future generations to come.

METALSISTEM's goal is to make its economic performance sustainable and repeatable, drawing inspiration from a strategic approach that protects the environment and that values people, a heritage built over 50 years of operations.

The values of corporate social responsibility:



ENVIRONMENTAL
SUSTAINABILITY



SOCIAL
SUSTAINABILITY



ECONOMIC
SUSTAINABILITY





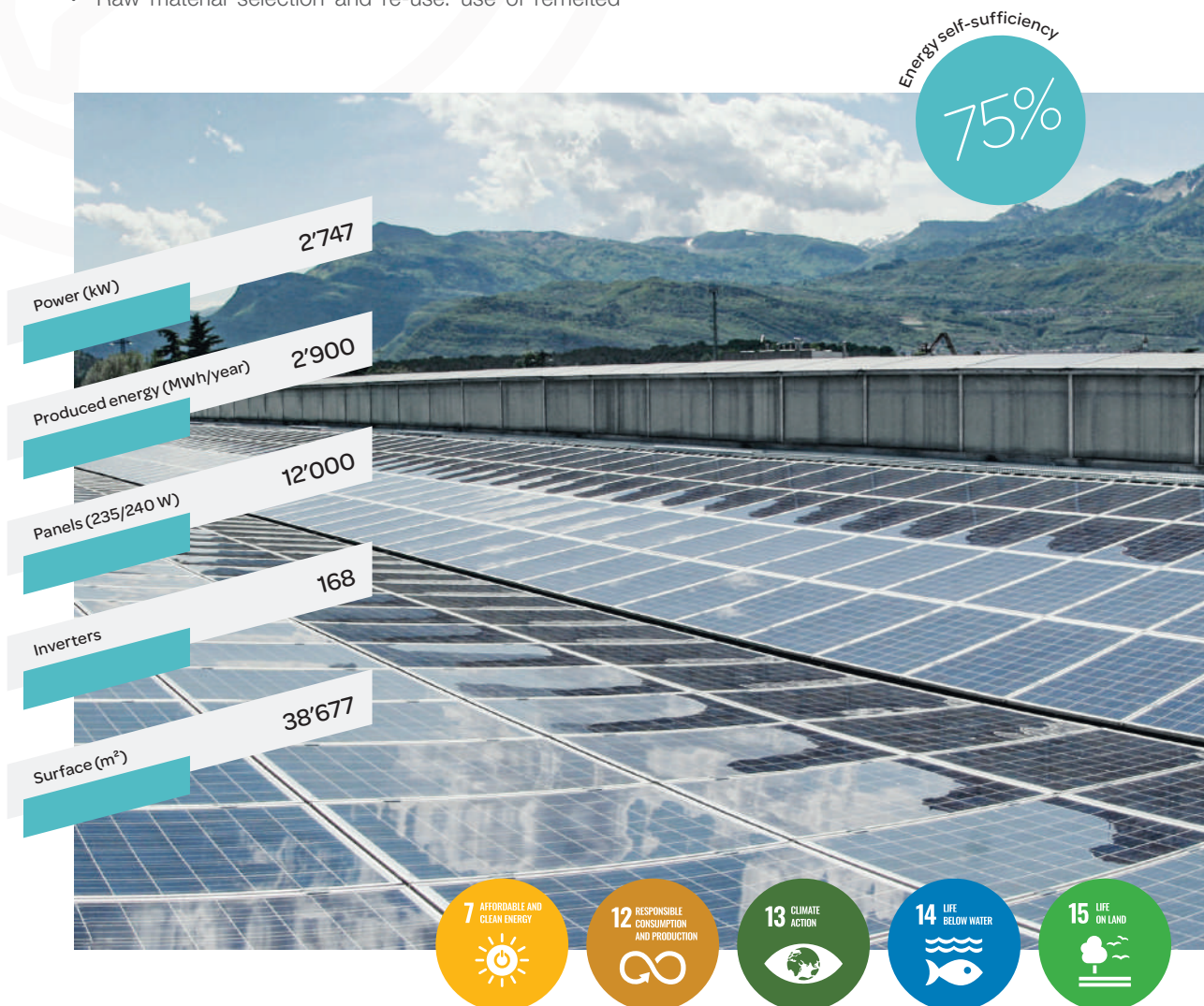
Environmental commitment for a greener industry

Care for the environment has always guided METALSISTEM's choices, not only as a commitment towards the protection of the Planet and for the future of generations, but also as an opportunity for a long-term growth. Environmental sustainability is at the heart of the company's operations, starting with the choice of raw materials and ending with the installed product. The responsible use of resources, the reduction of waste, the use of clean energy and the adoption of low environmental impact technologies are just some of the strategies that METALSISTEM is implementing to limit the footprint of its production activities, to save on operating costs and to increase efficiency.

- Environmental performance monitored through the ISO 14001:2015 Environmental Management System.
- Raw material selection and re-use: use of remelted

structural scrap steel and recycling of production waste in a circular economy perspective.

- Limitation of the impact of the production process on the environment: galvanised finishes ensure durability and greatly reduce the need for painting, eliminates air and water emissions by also limiting gas consumption. Unique riveting technologies implemented by METALSISTEM production plants, eliminating welding processes, resulted in zero emissions and significantly lower energy consumption.
- 75% energy self-sufficiency thanks to photovoltaic systems installed on all the company's production sites, with the aim of achieving complete autonomy.
- Proper management and reduction of waste.
- Limiting the use of plastic materials in the workplace and implementing a more sustainable paper consumption initiative through dematerializing company procedures.



GLOBAL GOALS 2030



SOCIAL
SUSTAINABILITY

METALSISTEM: a Group made of people

Within the concept of social responsibility, we also find specific objectives related to the protection and fulfilment of the individual.

METALSISTEM's social commitment consists of a business approach that aims to secure social benefits through specific initiatives including, but not limited to:

- Support for associations and social cooperatives that promote the integration of people with disabilities into the workplace, educational and sporting environments through the METALSISTEM Foundation, a non-profit organisation active since 2003 in the local community and worldwide.
- Promotion of human capital through:
 - › transparency of labour relations
 - › consistent specific trainings
 - › promotion of a fair and safe work environment free of inequalities of any kind
 - › protection of pregnant workers
 - › provision of wellness services including: welfare cards, the company fitness centre and restaurant, annual production rewards as well as the Supplementary Health Care Fund.



GLOBAL
GOALS
2030





METALSISTEM: the fusion of ethics and business

METALSISTEM's global presence is the outcome of a growth trajectory that has lasted over 50 years. It is a paradigm that integrates finance and ethics as much as possible into its business strategy, while respecting certain unquestionable values, including:

- high performance in productivity
- compliance with the strictest quality standards
- technological progress and innovation

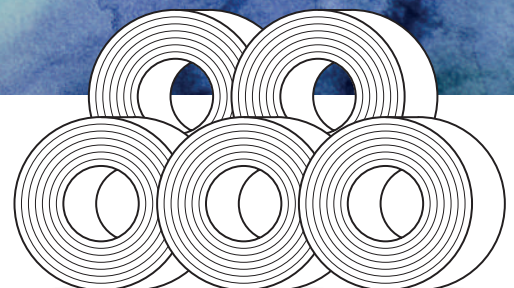
These are the drivers through which METALSISTEM effectively generates and distributes wealth among its stakeholders. It does so while contributing to the economic growth of the places where it operates, both directly and indirectly, through its network of partner distributors in over 80 countries worldwide.

The company's commitment to responsible innovation and circular economy is aimed at creating income and jobs in a sustainable manner and ensuring prosperity without compromising future resources.

GLOBAL
GOALS
2030



5.000.000 ton
of steel processed since 1970





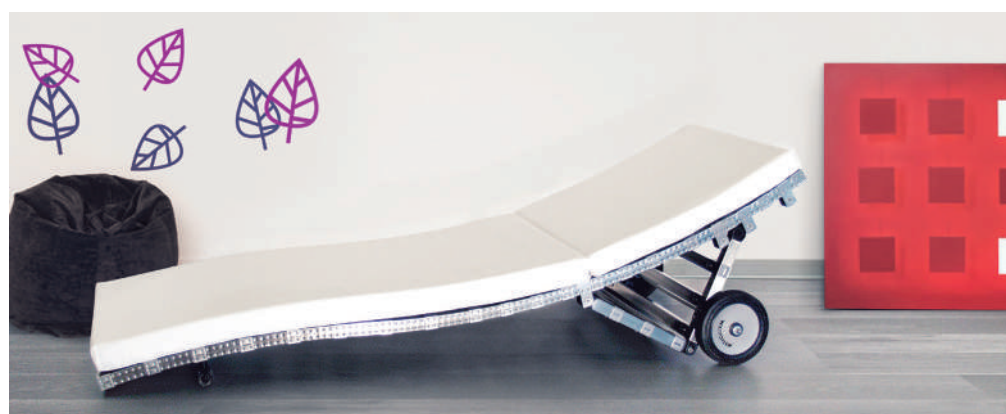
 Storage systems



Shopfitting 



 Green Energy



Indoor
& Outdoor Furniture 

METALSISTEM business

Quality, Excellence, Service

METALSISTEM business is based on three foundational values: quality, service, excellence. This motto is applied to all METALSISTEM activities:



Storage systems

Storage & Material Handling



Shopfitting

Retail Display & Shopfitting



Green Energy

Photovoltaic Support Systems



Indoor & Outdoor Furniture

Furnishing Concepts

Versatility and **compatibility** are hallmarks of these key concepts which are able to interact with each other to open up to new possibilities for future solutions.



Reference standards and Product certifications

Quality is the cornerstone of the METALSISTEM philosophy. A state of mind applied right from the supply of the structural steel coils by the worlds' largest steel mills. Only prime quality 3.1 certified high tensile steel coils conforming with the EN 10204 standards are used for the manufacture of the METALSISTEM product range. The steel coils are galvanised using the **SENDZIMIR**

procedure which guarantees both **high levels of durability and elevated corrosion resistance.**

Unique production technologies, developed with METALSISTEM's own Research & Development Centre, are the backbones of the advanced manufacturing process that METALSISTEM implements on all its components.

Certification Standards

Quality, Safety and other Certifications



ISO 9001:2015
Quality assurance
certification



ISO 14001:2015
Environmental management
systems certification



ISO 45001:2018
Health and Safety
system certification



Discover more



EN 1090-1:2009/A1:2011
CE Marking
Factory production
control



**"AEO" – Authorized
Economic Operator**
Customs "AEO" FULL
authorisation



UNI EN ISO 3834-2
Welding processes
certification

Product Certification Standards

Certifications and norm compliance per product category

Industrial Racking
and Shelving



CISI
Quality and Safety
trademark

Shopfitting shelving

METALSISTEM is currently carrying out test series on its display shelving product range, to obtain certification and compliance with the UNI 11262 standards.

Checkout
counters



2006/42/CE
In compliance with
the European directive
2006/42/CE on
machinery



2014/35/CE
In compliance with
the European directive
2014/35/CE on electrical
equipment design



2014/30/CE
In compliance with
the European directive
2014/30/CE on electromagnetic
compatibility

Other certifications and approvals

Authorisations and other approvals with external institutions

Accreditation with the “SERVIZIO TECNICO CENTRALE”

METALSISTEM is qualified as a processing centre meeting all the requisites for steel manufacturers n° 753/10.

Quality in the selection of raw materials

Prime quality 3.1 certified high tensile steel coils conforming with the EN 10204 standards. SENDZIMIR galvanised steel for high levels of durability and elevated corrosion resistance.

Model organisation and control

According to the Italian legislative decree D.LGS 231/2001, applied from December 2009.

Certifications regarding personnel

Welder qualifications according to UNI EN ISO 9606-1:2017 and UNI EN ISO 14732:2013.

The welding process applied by METALSISTEM is in conformity with the UNI EN ISO 3834-2 standards.

Electrical Installations

Authorized to operate according to the Italian legislative decree D.LGS 37/2008 guaranteeing the safety of electrical installations.

Memberships and collaborations

Cooperations and other forms of partnerships with external bodies

Association of Italian Steel Fabricators; Chapter of Industrial Racking – AISEM-ANIMA-CISI

CISI is a member of AISEM which, in a spirit of synergy, brings together the best fabrication and distribution entrepreneurs of material handling and lifting machinery, representing about 75% of the entire national production, of which about 40% is destined for export. AISEM represents the Italian National Committee in FEM (Fédération Européenne de la Manutention), which for over 50 years has brought together the most prestigious European manufacturers in the sector.

I.S.P.E.S.L. - Istituto Superiore per la Prevenzione e la Sicurezza del Lavoro

Institute for Occupational Health and Safety
Tests conducted on full scale structures.

University of Trento

Structural Engineering: beam/upright connection stiffness, stub column and foot plate deflection tests.

Polytechnic University of Milan

Full scale tests on industrial racking under static and seismic conditions.

F.E.M.

Fédération Européenne de la Manutention.
AISEM - ANIMA - CISI is the official Italian representative of F.E.M.

Metalseismic Test Tower

Seismic testing permanent laboratory

Metalseismic Test Tower, a purpose built permanent laboratory dedicated to the “Metalseismic” seismic testing project, within which innovative solutions are developed for seismic resistant structures.



Discover more



Aimed at research and development of innovative solutions for seismic-resistant structures, the project stands out for its high scientific relevance and its worldwide unique purpose in approach, size and load tests.



25 metres
Structure height



12x12 metres
Square footprint



20 ton
Lateral resistance



24 ton
Maximum hung loads



80 ton
Structure total weight



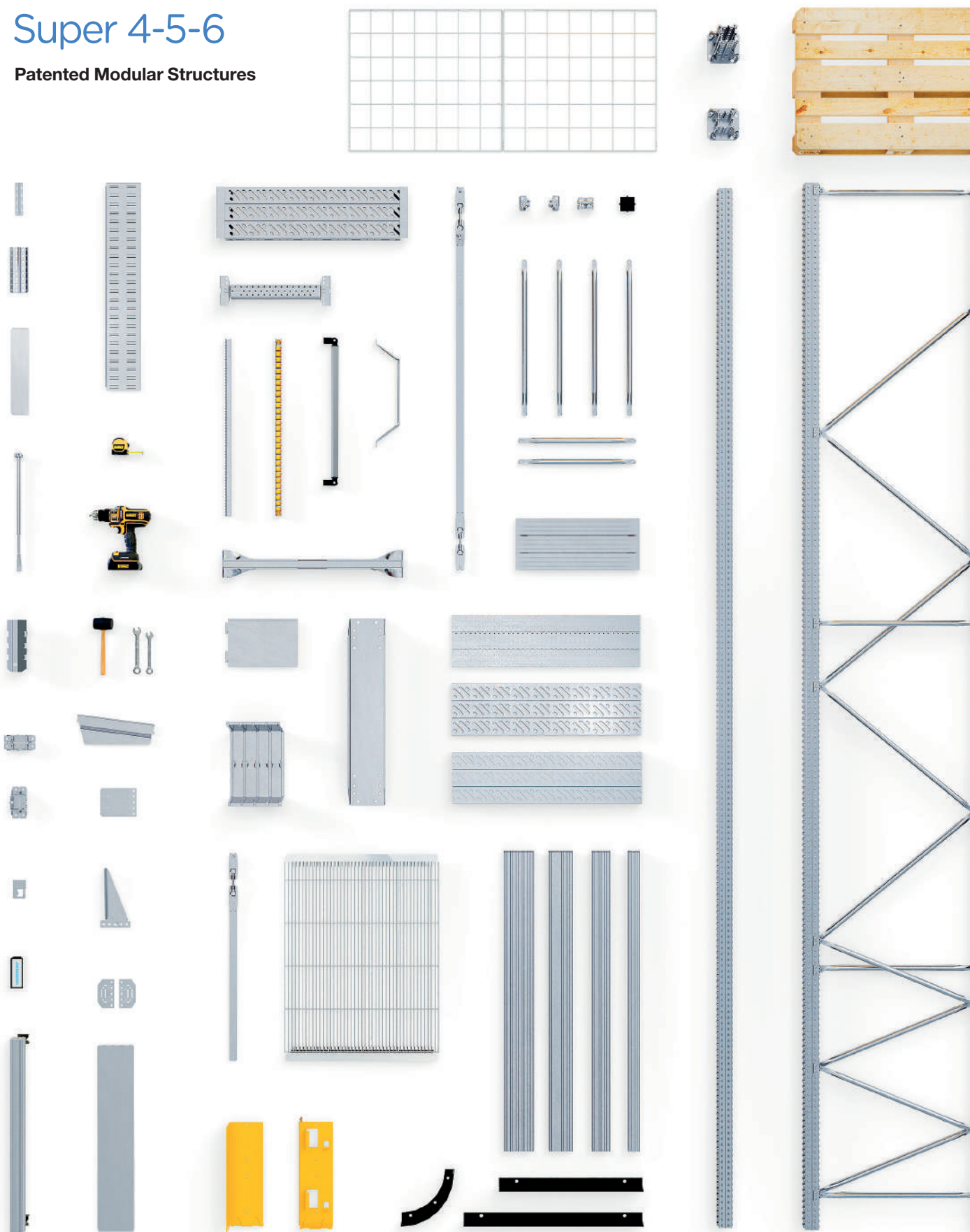
1700 ton
Maximum axial load bearing capacity

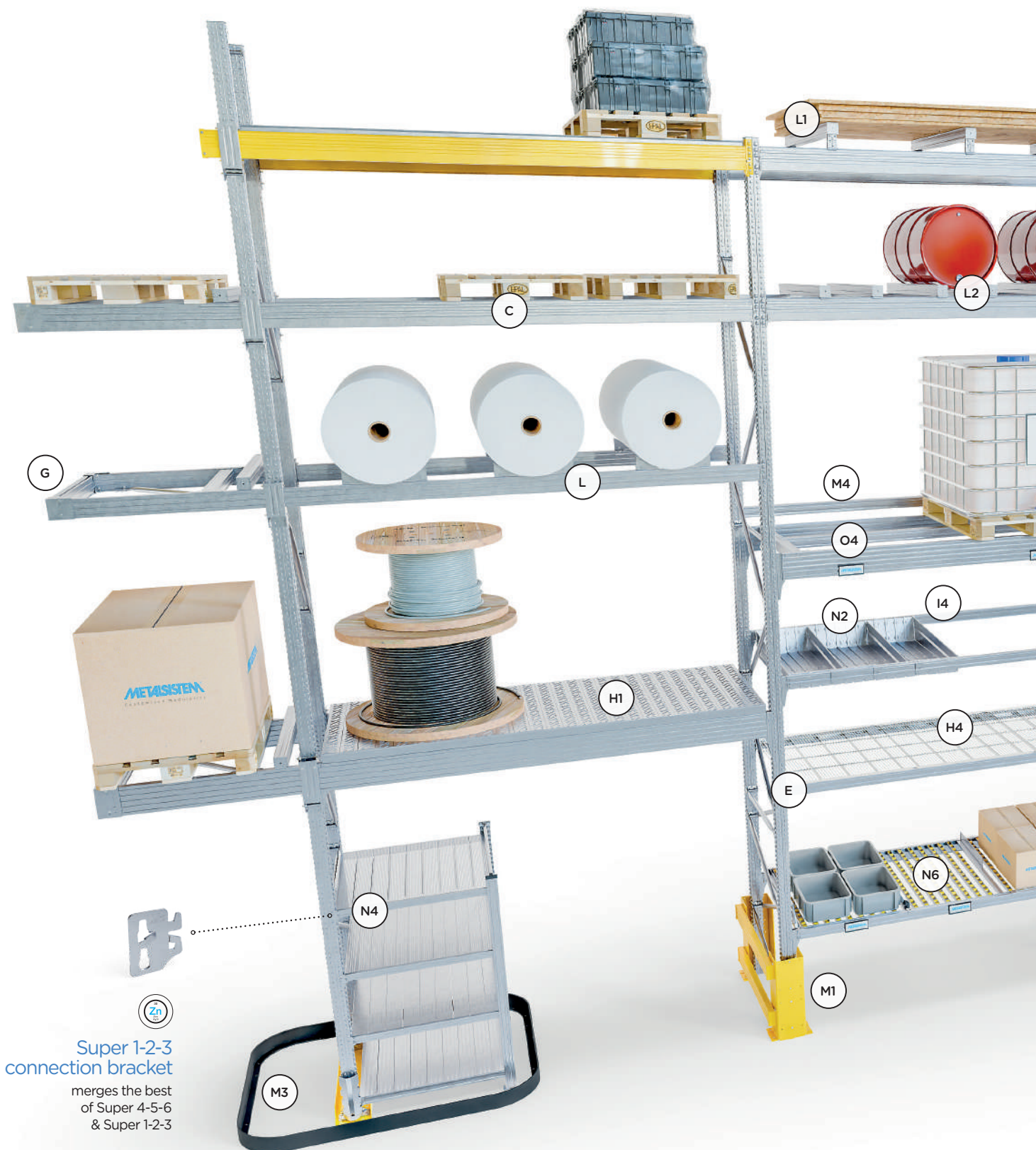


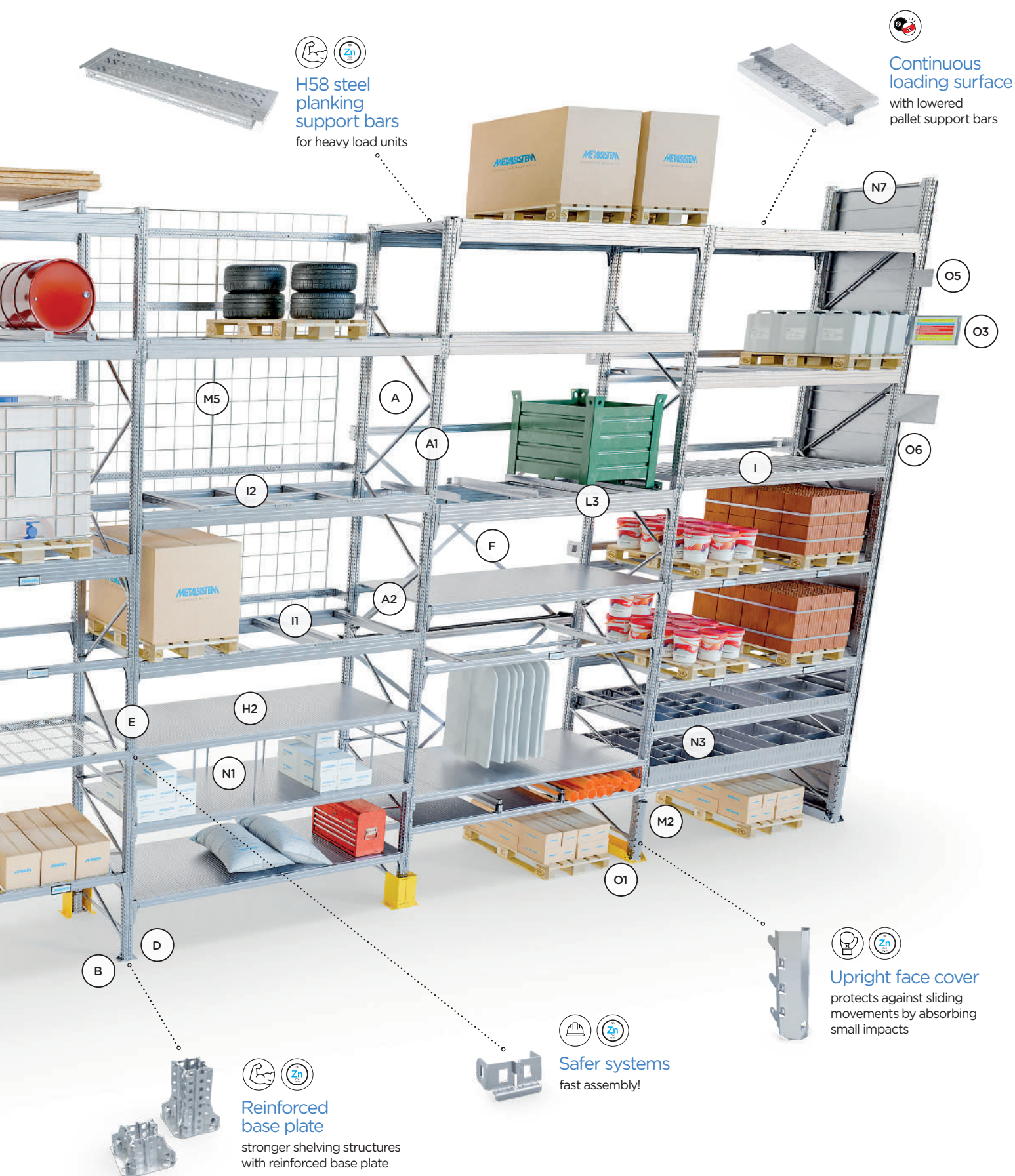
1400 m³
11 inspection levels with instruments

Super 4-5-6

Patented Modular Structures







Discover more



The Product

Super 4-5-6: a modern, versatile and innovative pallet racking system

The Super 4-5-6 series was created by METALSISTEM with the aim of providing a concrete and innovative pallet racking solution, that also meets the needs of mezzanine structures and automated warehouses.

The geometries and characteristics of the structural components of the Super 4-5-6 series meet the highest standards stemming from METALSISTEM's 50 years of experience in steel processing, technical inspection & testing.

The use of high-quality and durable material is crucial for maintaining the product's structural performance, thereby ensuring a high degree of competitiveness.

The state-of-the-art Super 4-5-6 series features some key values summarised in the following concepts:

Versatility

The Super 4-5-6 series, emblematic of the versatility of METALSISTEM product series, conveys its technical and structural value through the adaptability and modularity of its components.

A wide selection of accessories makes the Super 4-5-6 structures suitable for a multitude of applications. Thanks to its four-sided upright connection, the Super 4-5-6 series allows the easy design of service aisles and access platforms using completely standardised components. It also facilitates the integration of a very wide range of hand loaded shelf accessories.

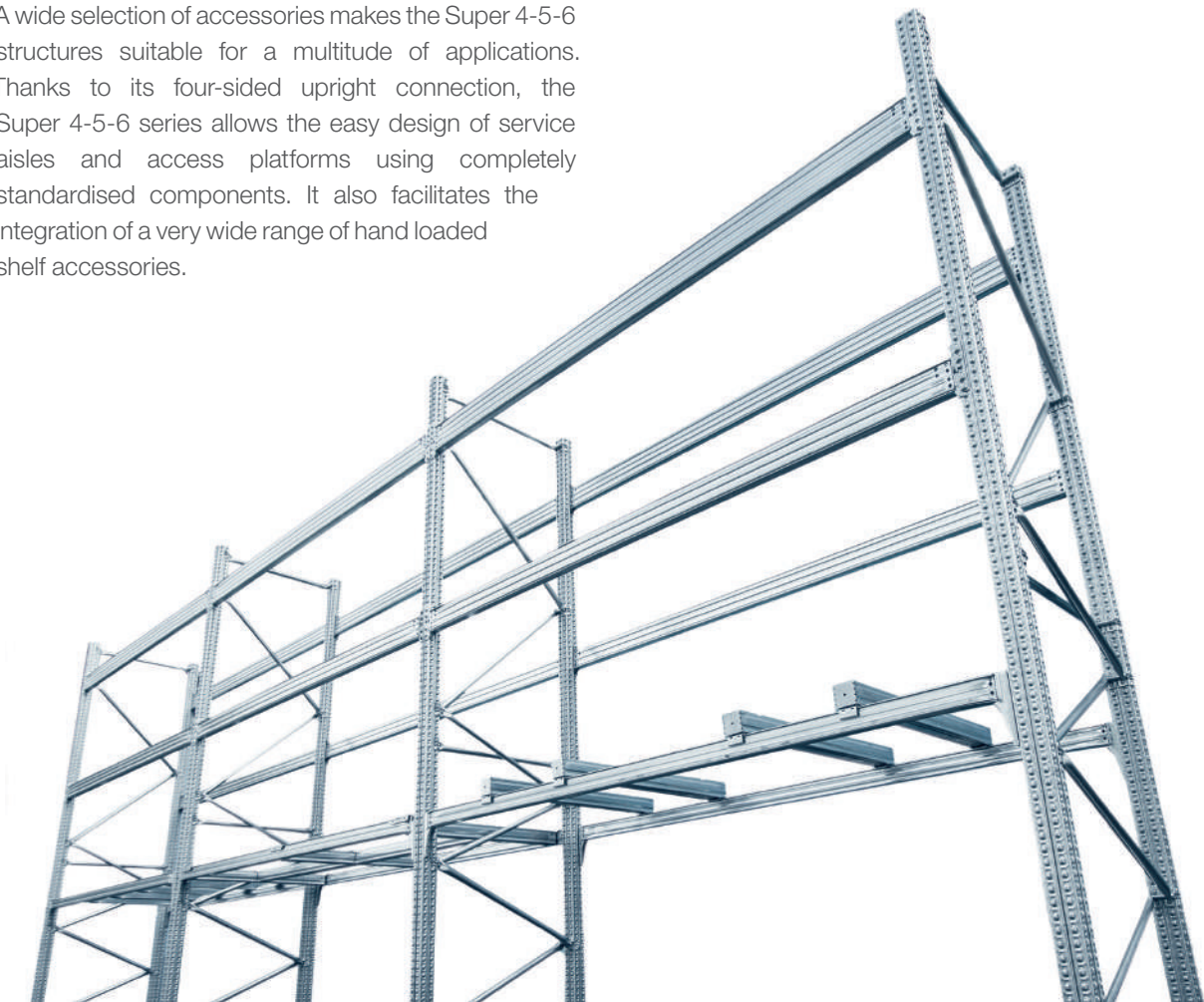
Furthermore, this product line is the ideal choice for multi-tier walkway systems, high rise and long bay configurations with special capacity, seismic resistance or unconventional footprint requirements.

The Super 4-5-6 series is also suitable for box or file folder archiving systems which optimise the use of space in the interest of a higher storage density.

Reliability and Durability

Product durability has always been a priority at METALSISTEM. The CE-marked structural components of the Super 4-5-6 series are made from certified high tensile structural steel, with a galvanised finish ensuring product durability, quality, and corrosion protection.

Moreover, the TÜV certification contributes to identifying Super 4-5-6 structures as a reliable product: owing to the advanced manufacturing processes employed by METALSISTEM, the structural components are both lightweight and extremely sturdy.



Aesthetic value

Thanks to its minimalistic, high-tech design, the Super 4-5-6 series is appealing for shopfitting, in both food and non-food goods sectors, since it can integrate naturally and flawlessly with the SIDAC-branded Euroscacco line of retail shelving and accessories.

Its clean and orderly design also makes it suitable for a pleasant product display surface.

Price-quality ratio

The presence of METALSISTEM in the world of industrial racking for more than 50 years has driven the company towards careful material research and continuous optimisation of the structural properties of steel.

This dedication translates into better performance and efficient raw material usage.

The raw material undergoes rigorous quality control, including constant monitoring of mechanical properties, thanks to the relentless work of the METALSISTEM Research and Development Centre, which conducts accurate performance tests on the products every day.



heavy
duty



closed
profile



33mm
upright pitch



2-sided
connection



galvanised
finish



8 connection
point



CE
marked



seismic
free



Main components

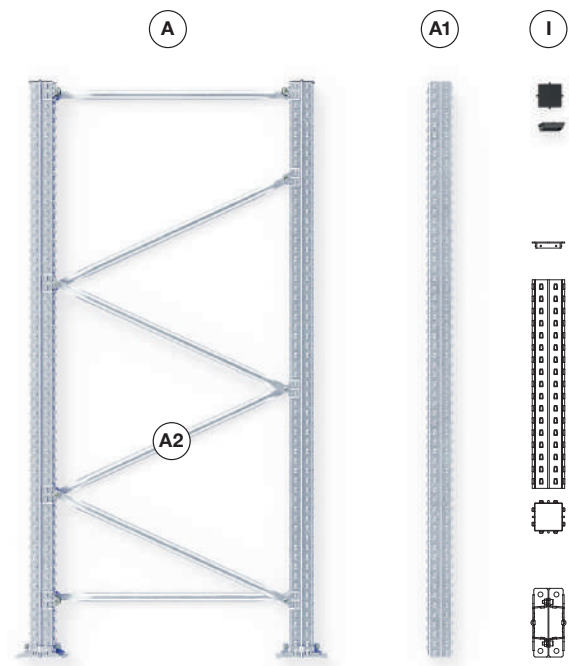
Frames ^(A)

Structural components

Upright ^(A1)

The Super 4-5-6 series upright represents the perfect combination of strength, versatility and ease of assembly. Featuring a vertical pitch of 33mm and 8 connection points in all its four faces, the actual added value lies in the component's closed-profile design with a continuous boltless section that also offers a high grade of hygiene. The upright is completed and closed with a plastic top cap ^(I).

Thanks to the modularity of the product - which is a mainstay of METALSISTEM product lines - the Super 4-5-6 uprights can reach a height of up to 10 metres.



Frame bracing ^(A2)

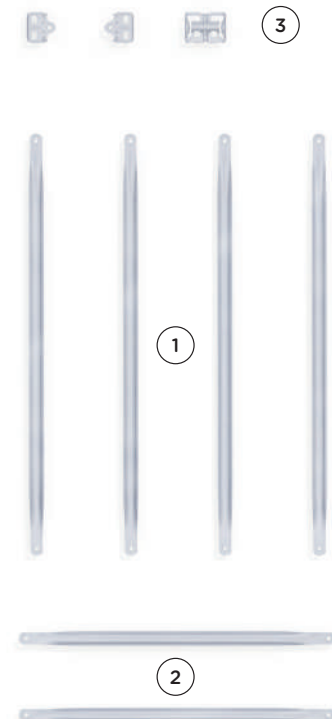
Frame bracing plays an essential function in absorbing horizontal forces that stress the structure. Among the various components that make up the frame bracing system are tubular profiles ⁽¹⁾, spacers ⁽²⁾ and brackets ⁽³⁾, all of which add a real value in terms of safety and stability.

METALSISTEM's continuous investment in research and development, focusing on both product and production technology, has been able to consolidate and improve the structural performance of the Super 4-5-6 series over time.

Reliable earthquake-proof solutions are also optimised by interlocking frame brackets to the uprights, which guarantee excellent mechanical performance as well as frame resistance to torsional stress.

Frame bracing profiles play a crucial role in managing structural stress, owing to their sophisticated technical concept. They feature a unique round profile folded at the ends, creating a four-ply structural steel layer, placed where the frame bracing is bolted to the upright. This avoids the waste of raw material and contributes to the lightness of the component, improving its strength and mechanical functionality.

Finally, the frame is fitted with horizontal spacers both at the base and at the top ⁽²⁾.



Base plates ^(B)

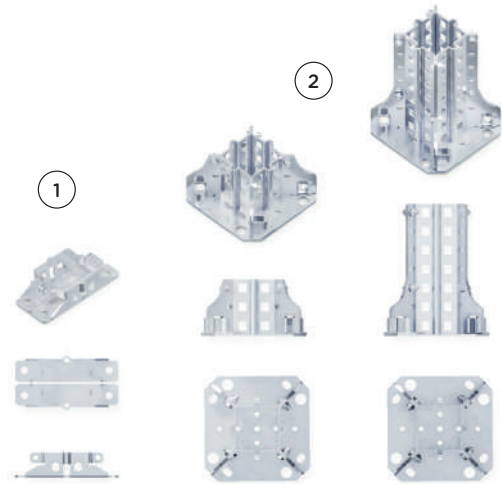
Standard and reinforced base plates

Base plates are components tasked with distributing the weight on the ground. Super 4-5-6 base plates are anchored to the floor. Two types of base plates are available for this product series:

- the standard metal base plate ⁽¹⁾;
- the reinforced “heavy-duty” base plates ⁽²⁾;

The former is perfectly suited to be used in standard installations or for those subjected to limited traction, while the latter is available in two variants (3 and 7 pitches) which are instead suitable in higher traction cases.

Both types of base plates make use of specific anchoring systems depending on loads and assembly conditions.



Beams ^(C)

Another fundamental structural element of the Super 4-5-6 pallet racking series are the beams: box profiles with various steel gauges with a unique groove for shelf panel and accessory applications. A unique METALSISTEM production technology is capable of riveting the left and right connector brackets to the boxed beam profile.

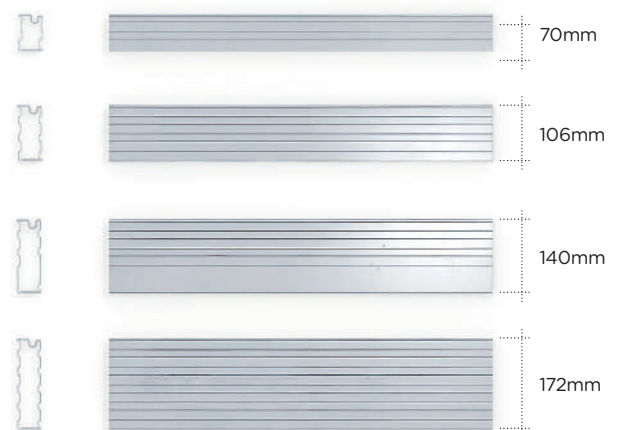
Like the other structural elements, the beam also contributes to the modularity of the shelving.

To meet even the most demanding requirements, METALSISTEM offers different types and sizes of beams. In terms of size, the beams used for Super 4-5-6 start at a minimum of 920mm and reach a maximum of 4020mm in length, while in terms of profile height they range between 70mm and 172mm.

Additionally, Super 4-5-6 offers three beam types to successfully cover both pallet racking and picking applications: the moulded connector, the one-sided riveted connector and the double-sided riveted connector. A further alternative is represented by beams with reduced brackets. These enable the installation of a ground level beam used for manual picking to increase the storage density while protecting the goods by isolating them from the floor.

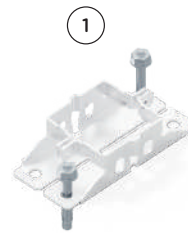
Finally, beams can be painted in the three standard colours: blue, yellow and red.

The painting process applied by METALSISTEM enhances surface resistance and durability. The powder coating process used by METALSISTEM is eco-friendly and formulated with lead-free organic pigments.



Floor anchoring ^(D)

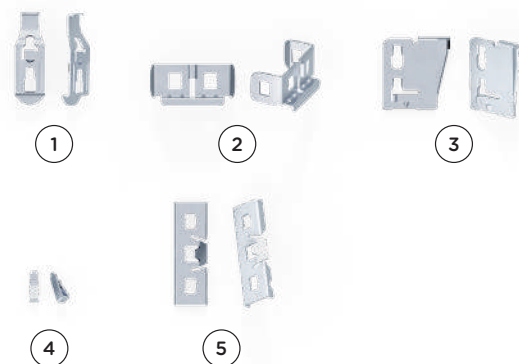
To ensure stability, the structure must be fixed to the ground with at least two anchor bolts ⁽¹⁾ on each upright. For single-side installations with specific requirements, it is necessary to connect the top of the frame to a double-sided row on the opposite side of the aisle. Alternatively, the frames may be fixed to a wall able to withstand the load (not permitted in seismic areas).



Safety clips ^(E)

Each beam must be equipped with two safety clips. METALSISTEM offers different types of safety clips for moulded brackets ⁽¹⁾ ⁽²⁾, for single-side riveted brackets ⁽³⁾ and for double-side riveted brackets ⁽⁴⁾.

METALSISTEM also offers a reinforced version of the beam safety clip ⁽⁵⁾, developed to be used in Super 4-5-6 mezzanine and two-tier installations which utilise the single-side connection beams.



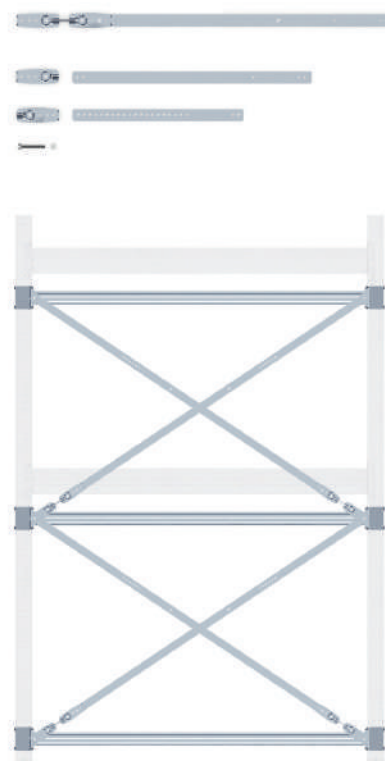
Bracing ^(F)

Pallet racking systems are typically subjected to high vertical loads and limited horizontal motions. As a result, uprights and beams create an “absorption frame” for horizontal movements and maintain stability. However, this approach is not always feasible as, at times, horizontal actions can influence the structure stability. In such situations, opting for a bracing structure is the best choice.

The bracing system – whether partial or full - allows horizontal motions to be absorbed and limits the movements induced by goods handling. Bracing systems are particularly important for installations with a limited number of bays and rows with significant heights.

The application of bracing systems is highly cost-effective as the structure benefits from increased stability while optimising the frame’s performance.

Furthermore, bracing modules are self-supporting elements with standard dimensions, therefore they can be pre-assembled and easily integrated into pallet racking systems during the assembly phase.



Accessories

The highly modular design of METALSISTEM's products is evident in the diverse range of accessories that can also extend to the Super 4-5-6 series.

Depending on the type of material to be stored and other technical considerations, METALSISTEM offers a wide array of accessories categorised by functionality.

These include accessories for pallet storage, continuous loading shelf levels, storage solutions for various load units, protection accessories, accessories for hand loaded storage areas, etc.

Accessories for pallet storage

A unique pallet racking solution, the Super 4-5-6 structure stands out for its exceptional capabilities. This versatile system can be implemented in several configurations to meet virtually all storage needs.

Key features include:

Pick and drop beams ⑥

Generally used in very narrow aisle installations to streamline handling operations, the P&D beams feature cantilevered profiles which create comprehensive front-loading levels.

In addition, a finishing header profile can be installed using corner brackets in conjunction with diagonal stabilising struts that enhance the overall sturdiness of the P&D beam system.

Completely galvanised, this configuration is compatible with all pallet racking accessories, contributing to the creation of a reliable and competitive product.

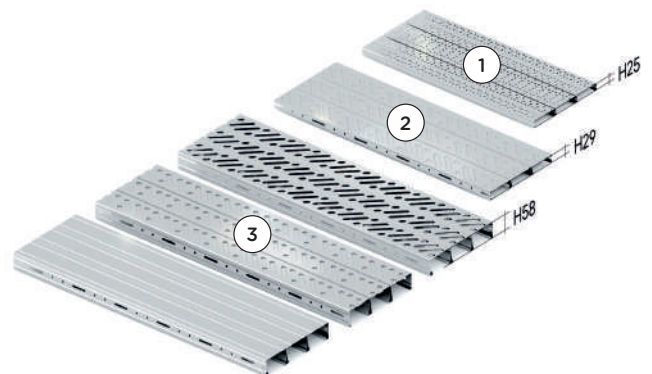


Continuous loading surfaces ⑧

Industrial shelf panels H25-H29-H58 ⑧①

The application of the H25 ①, H29 ② and H58 ③ industrial shelf panels enables the creation of continuous loading surfaces that rest on beams. They are available in different heights, thicknesses, and surface characteristics (e.g. the smooth, ribbed, perforated and 8% microperforated versions) and are completed by two finishing profiles: U-shaped and Z-shaped.

The modularity of this configuration lies in the possibility of having, in addition to the standard sizes, continuous surfaces of intermediate sizes with the use of compensation panels.



Flanged end shelf panels H25-H29 ^(H2)

Seated on the grooves found on top of the beams, flanged end shelf panels are available in section heights H25 and H29.

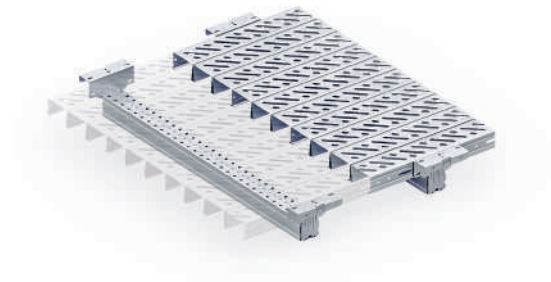
They come in various depths and gauges and can be produced in smooth and in 50% perforated variants. In some cases, compensation panels can be used to meet special size requirements.



Continuous loading surface with lowered pallet support bars ^(H3)

Continuous loading levels can also be created using a 70x70 reduced pallet support bars, with the application of lowered brackets, which can go as low as -70mm with respect to the beam line.

This configuration creates surfaces capable of accommodating different shelf types or tubular structures resting on the pallet support bars.



Wire shelf panels ^(H4)

An alternative for creating continuous loading surfaces, with particularly aesthetically pleasing characteristics due to its electrolytic galvanised finish. The shelf panel's narrow wire centre distance ensures maximum support and stability for stored goods.

A solution that is both functional and modular as a result of the possibility of combining the two available length variants to obtain a complete shelf coverage.



Pallet support bars ^(I)

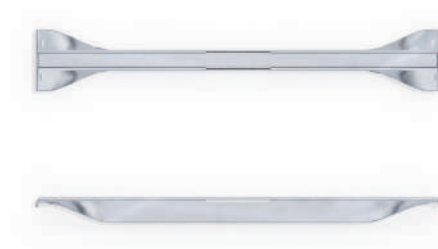
Mainly used to correctly distribute the load and ensure adequate support for individual load units. The pallet support bars applicable to the Super 4-5-6 series are:

Moulded pallet support bars ^(II)

Provide better load distribution. A basic configuration involves a pair of support bars positioned between the beams to support the outer bottom runners of the pallet. Correct fastening is attained by instant locking clips.

Moulded pallet support bars can also be configured as secondary beams and may be used to create loading surfaces in both heavy and light duty applications.

Covering less than 50% of the load surface, moulded pallet support bars are also very efficient in fulfilling demanding fire regulations.

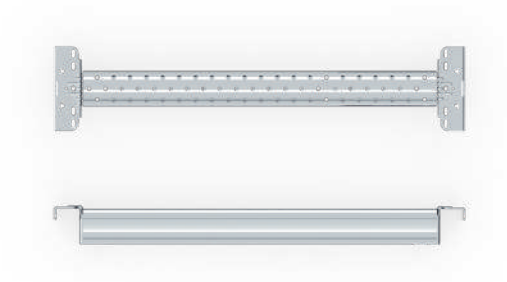


70x70 pallet support bars ⁽¹²⁾

This component consists of a square profile with a 70x70 section fitted with two beam connection brackets at its ends.

Available either pre-assembled or as loose components, the 70x70 support bar is an effective modular pallet support system: thanks to the combination of main and secondary profiles, it ensures safety and versatility.

Extremely adaptable to various load and geometry requirements, this component allows for 'H' configurations created from two parallel pallet support bars with an interconnection in the bay direction.



H58 steel planking support bars ⁽¹³⁾

This component is suitable for accommodating heavy load units, especially in the case of point loads or non-standard supports such as metal crates, plastic pallets etc.; this solution entails fitting a slotted H58 steel plank onto a pair of steel plank support brackets placed on the beam.

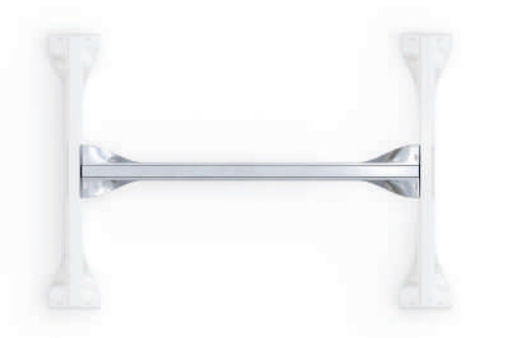
The steel plank support closely adheres to the beam surface and prevents horizontal movements.



Slotted support bars ⁽¹⁴⁾

Useful for installing one or two secondary pallet support bars in the bay direction, they improve pallet stability in the event of accidental displacement.

The support bar can be mounted in pairs in order to function as a "central third beam".



Storage for miscellaneous load units ^(L)

Raised support bars ^(L1)

An accessory used to store goods that, for logistic or storage requirements, must be raised from the beam from which they are resting on.

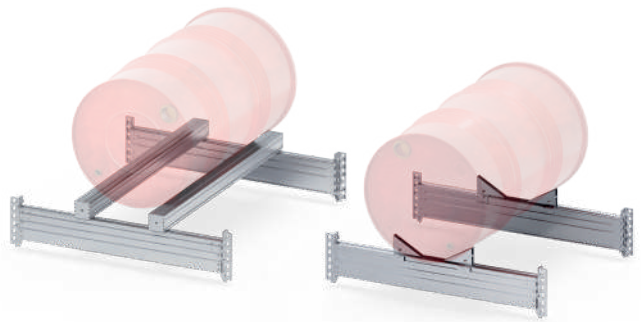
Made of 70x70 profiles, this product can be used in a number of applications combining multiple support bars under a single load unit. In double side rows, a continuous support bar that spans across the outer beam sides may be used.



Raised drum cradles ^(L2)

This product uses a pair of 70x70 profiles fixed on the beams using beam brackets, to sustain drums with lengths shorter than the beams' centre-to-centre distance.

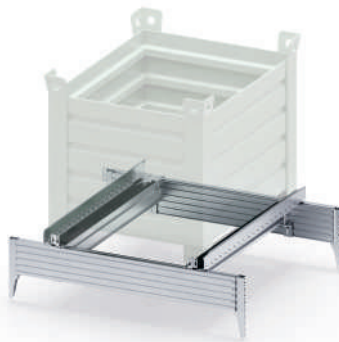
In cases where the length of the drum is greater, drum cradle wedges can be applied to provide stability.



Bin cradles ^(L3)

Suitable to give support to storage bins or crates with feet, consisting of two profiles that function as a guide to facilitate movement.

It is also available in a reinforced version, where an additional profile is bolted to the bottom side of the principal bin cradle.



Hanging Garment storage ^(L4)

The Super 4-5-6 series is also widely popular in the hanging garment storage sector.

This system is, in fact, ideal for creating garment hanging lines within a pallet racking row, thanks to the use of tubular profiles which are fixed to the slotted pallet support bars with dedicated brackets.

They can also be designed in double bar configurations.



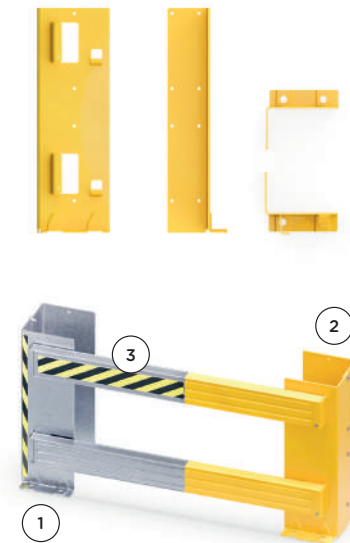
Protection accessories (M)

Upright and frame protection (M1)

These are independent and ground anchored structures designed to protect the racking system against accidents that could potentially compromise the structural integrity of the racking.

The protections are available in three heights, two variants and in different finishes - fully galvanised (1) or painted (2) - to take advantage of the colour and increase the visibility of the component.

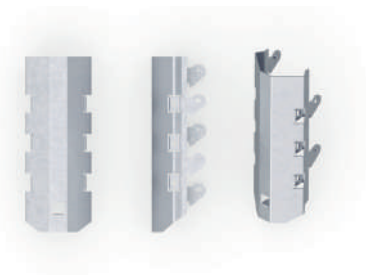
Furthermore, to highlight the protection's presence to workers, a reflective striped black and yellow adhesive tape (3) can be affixed to the galvanised version.



Upright face cover (M2)

Common to all the pallet racking series, this accessory is available in two height variants.

Using the standard Super 4-5-6 connection bracket, the face cover is connected to the upright in order to better distribute shocks.



Floor guide rails (M3)

These accessories create a physical barrier which prevents material handling equipment from getting too close to the pallet racking structure.

They are often used in combination with automatic or semi-automatic warehousing machines.

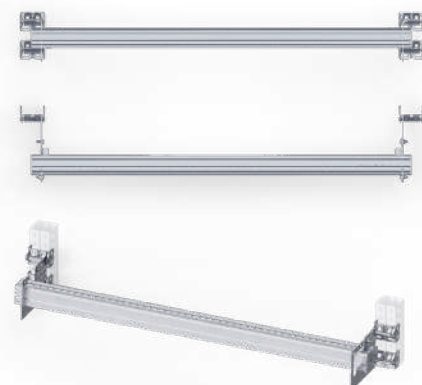


Back stop beam solution (M4)

A standardised accessory for all pallet racking series, back stop beams effectively reduce the risk of pallets falling from the racking.

The special bracket, bolted to the rear frame upright by the means of dedicated connectors (depending on the series) guarantees adequate shock absorption against minor positioning errors during the handling of goods.

To ensure even greater strength, the profile connection bracket can also be reinforced.



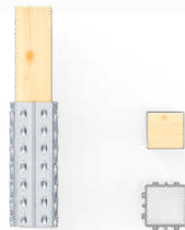
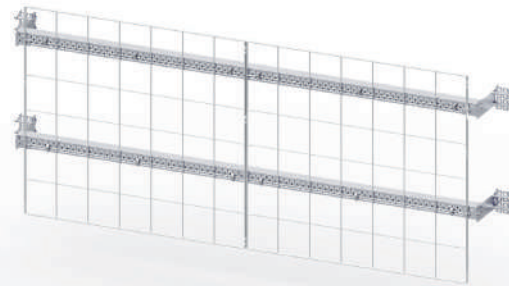
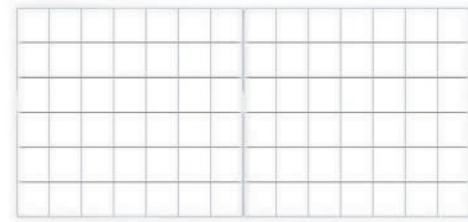
Back stop netting ^(M5)

A sturdy and easy-to-apply solution, even on pre-existing structures, back stop netting is an especially useful accessory as a partition element and as a way to prevent loose units from accidentally falling from the pallets.

The system consists of one or more mesh panels - a direct legacy of METALSISTEM's SIDAC shopfitting line - fastened to perforated 70x70 profiles, which are then hooked to the uprights using a set of connection accessories and positioned at an optimal distance.

Each wire mesh is inserted between a double steel wire frame, allowing the mesh panel to be configured in bays as needed for the utmost modularity.

Finally, auxiliary items such as signs, nylon nets and piping systems can be installed on the structure.



Upright treated wooden profile

An additional accessory placed inside the upright profile, aimed to protect the structure from small impacts and accidental knocking during the manoeuvring errors of manually operated trolleys.

Accessories for manual picking ^(N)

Telescopic tube dividers ^(N1)

A dedicated accessory which comes from METALSISTEM's hand loaded shelving series, telescopic tube dividers allow the creation of a full-height separation between two loading levels.



Modular containers with dividers ^(N2)

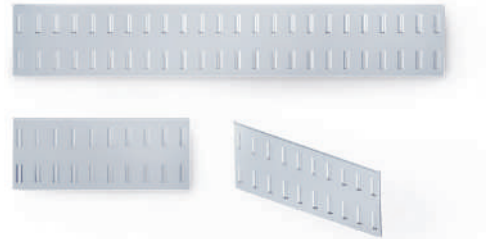
The Super 4-5-6 structure can also be fitted with convenient and versatile modular containers ⁽¹⁾ with internal dividers ⁽²⁾.

These are particularly useful for setting up a manual picking area dedicated to small parts - or bulk material in general - within a pallet racking row.



Shelf trays with dividers ^(N3)

Within a pallet racking installation, shelf trays with dividers can be used to create compartments for manual picking applications, both in the frame and bay directions.

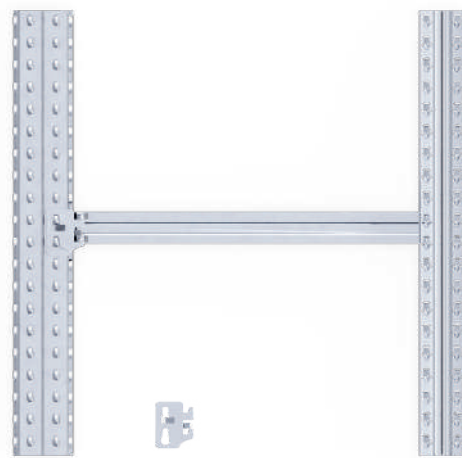


Super 1-2-3 connection bracket for Super 4-5-6 uprights ^(N4)

A revolutionary accessory with built-in safety clips, it merges the best characteristics of the excellent performance of the Super 4-5-6 pallet racking series with versatile Super 1-2-3 hand loaded structures.

This connection bracket is particularly useful in two-tier installations, garment storage, manual picking systems and many other applications that require the structural performance of the Super 4-5-6 series.

This smart combination is designed for diversified applications and allows for the integration of the Super 1-2-3 range within the Super 4-5-6 structure, providing flexibility and optimised performance in different scenarios.



Cantilever shelf for picking levels ^(N5)

Within the area of picking systems, the METALSISTEM range also includes a hybrid solution, combining the flexibility of the Super 4-5-6 product and the efficiency of the Super 1-2-3 shelf panels and beams ⁽¹⁾.

Incorporating the Super 1-2-3 beams and the H12/H25 shelf panels can create a continuous picking level that can further be enhanced using accessories derived from the hand loaded shelving series.

In its version without connection lugs ⁽²⁾, the cantilever shelf is ideal for storing pipes and cables as well as for integrating garment hanging systems.



Left



Right



Center



Blind

Flow tracks ^(N6)

The Super 4-5-6 series is also suitable for creating gravity systems which maintain the characteristic modularity and competitiveness of METALSISTEM products.

The flow track bed ensures the correct flow of the goods thanks to the inclination of the roller profiles, dedicated brackets that provide an end stop for the descending load units and the support necessary for the roller guides.

A roller bed is formed by a series of galvanised structural steel roller profiles fitted with yellow polypropylene rollers.

Flow track systems can also be equipped with dividers of various types, such as: slim line dividers, square profile and oval-shaped profile dividers.

Finally, by the means of a dedicated step bracket with lateral perforations, the inclination of the rollers may be adjusted as required directly on site.



Claddings ^(N7)

METALSISTEM's SIDAC Euroscacco shopfitting components may be applied in the pallet racking world. Installed onto a single- or double-sided Super 4-5-6 header frame, the cladding is connected to the uprights using a dedicated connection bracket set with a built-in safety clip.

Depending on the needs of the customer, a full frame depth coverage - including the uprights - or a coverage of the space in between the uprights can be achieved. Moreover, the claddings can be ordered in smooth, perforated and slatted variants, all of which are available in a galvanised or painted finish to suit a wide range of industrial, DIY, Cash & Carry and other applications.

The anti-detachment perforated and the asymmetrically perforated versions are compatible with the use of SIDAC wire hooks, expanding their utility in numerous contexts.



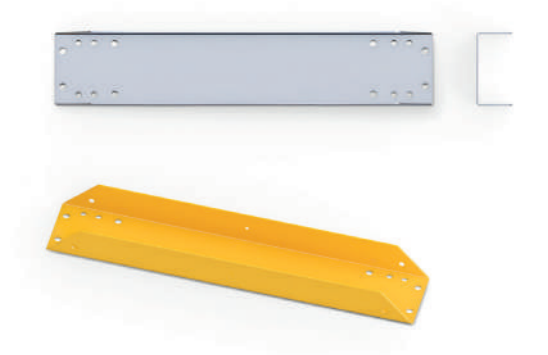
Miscellaneous accessories ①

Load distributors ①

Components that are designed to distribute upright loads onto a widened floor surface.

They are available in two different variants: standard, wide and in galvanised or “METALSISTEM yellow” finishes.

Load distributors can be ordered in five standard lengths as well as in special dimensions.

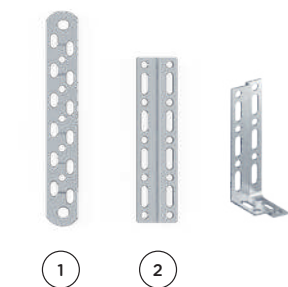


Universal fasteners ②

Extremely versatile and inexpensive accessories, useful for creating numerous types of connections.

In the interest of meeting diverse requirements, METALSISTEM provides two fastener versions in different heights: a flat ① and a “straight and bent” variant ②, both of them offering round connection holes and slots.

This accessory is very suitable for fastening non-structural components (such as fire extinguishers or electrical and lighting system connections) to METALSISTEM structures.



Galvanised support plaque ③

Available in assorted sizes, these accessories are suitable for displaying a variety of signs including: load bearing capacities, warnings, obligations, row numbers or other signs that require clear visibility.



Plastic label holder ④

A convenient accessory to be attached to the pallet racking beams, this item consists of a black plastic holder, a white identification card and a transparent cover.

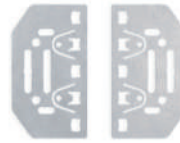
It contributes to the tidy appearance of the storage area while helping with the immediate identification of goods using barcodes and other IT systems.



Multipurpose bracket 05

An accessory that can be mounted onto the Super 4-5-6 upright to create a connection between the structure and shelf accessories or auxiliary components such as cladding panels, signs, electrical systems, fire extinguishers, etc.

Available in right- and left-side versions, the multipurpose bracket has a built-in safety clip with practical vertical and horizontal slots which facilitate the connection of different accessories.



Accessory support plate 06

Robust yet quick and easy to install, this accessory can be used to connect various types of accessories (such as signage, fire or electrical systems) to the Super 4-5-6 frame.

The plate has two parallel lines of holes that allow the accessories to be fixed at a desired distance, making it universally useful and applicable.



Upright splicing system

An external reinforcement accessory that makes it possible to splice an upright above an already existing upright.

Available in 4- or 8-button connection variants, extensions can vary depending on the type of reinforcement used and/or on the additional bracing installed.

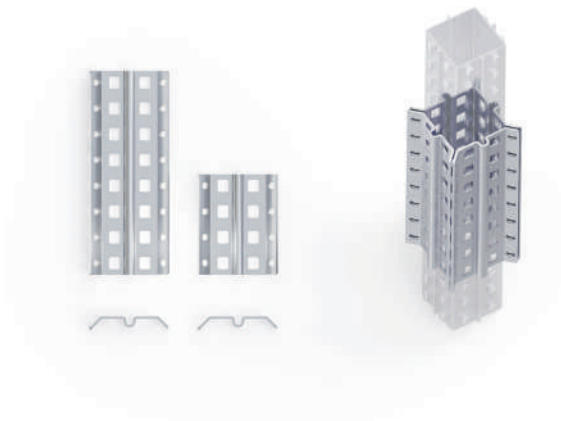


Photo gallery

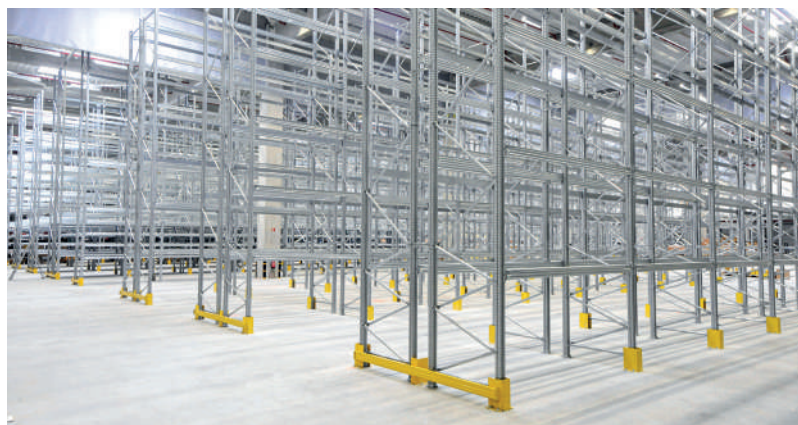


Photo gallery



Photo gallery



Photo gallery



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