



Efficient **storage systems**
general catalog



“If you know the laws that govern apparently chaotic phenomena and these are deterministic, as in classical mechanics, if you know the initial conditions and are able to calculate the solution, you can predict the future of the system being studied with total certainty”.

Philosophical Essay on Probabilities 1814

Pierre-Simon Laplace (1749-1827)

Astronomer, physicist and mathematician
who postulated scientific determinism

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OUR COMPANY

Identity

Estanterías Record specialises in the design, manufacture and supply of a wide range of products created to cover all kinds of storage needs, from simple lightweight shelving to complex racking structures for the most demanding industrial requirements.

We provide complete storage logistics and handling solutions, basing our range of products around the provision of specialised services that include pre-sales consultancy, cost estimates, planning, development and installation of perfect systems tailored to each case.

In addition, we complete our portfolio of services with after-sales consultancy, customer training and technical support, as well as preventive or corrective maintenance and standardised inspections of the equipment once it has been installed. All of these services are provided in accordance with current safety regulations to guarantee the efficiency and performance of the installed storage systems.

Throughout Estanterías Record's long history spanning 40 years of activity, we have consolidated our position as a reference in the sector, differentiating ourselves from the rest thanks to our rigorous approach to each project, the quality of our product and our excellent service.

Manufacturing

The essential character of Estanterías Record is encapsulated by the fact that we are a manufacturer. Given that we control all of the physical development stages, our products are subject to a common design rationale that covers both their individual properties and their performance as an integral part of an overall structural system. Each part is conceived for a specific individual purpose and as part of an integrated and efficient system.

Nowadays, given the frantic pace at which industry is evolving, businesses demand efficient and customised solutions in the shortest time possible. Here at Estanterías Record we are well aware of this issue and so we have equipped our manufacturing system with the operational flexibility required to meet these demands. We have invested heavily in organisational approaches to planning and sequencing our production. Therefore, our plant can flexibly develop more specific designs with the highest levels of quality assurance.

In this respect, we have made a clear commitment to technology. We boast the most advanced organisational and programming models on the market; this means we can surpass our own self-imposed expectations in terms of flexibility and proximity. Our highly automated and robotised manufacturing environment incorporates state-of-the-art machinery necessary to achieve organised and dynamic manufacturing while optimising costs and reducing delivery times. At the time of writing we register the highest productivity rates in the sector.

As a fundamental starting point, Estanterías Record procures the best primary materials available. These always have traceable certificates and meet not only the most stringent regulatory technical standards but also our own quality standards implanted to achieve the best possible results.

Decades of industrial experience have helped us develop a product range that is highly recognised in the market for its excellent design, finish and high added value.

Our corporate policies for renovation and continued improvement in production have helped us secure our position as a manufacturer par excellence that continues to present sustainable growth. These policies also mean we can simultaneously coordinate standard manufacturing programs with more specialised ones to develop very specific or customised items.

All of this means Estanterías Record represents one of the most efficient and reputable manufacturing companies on the international scene.



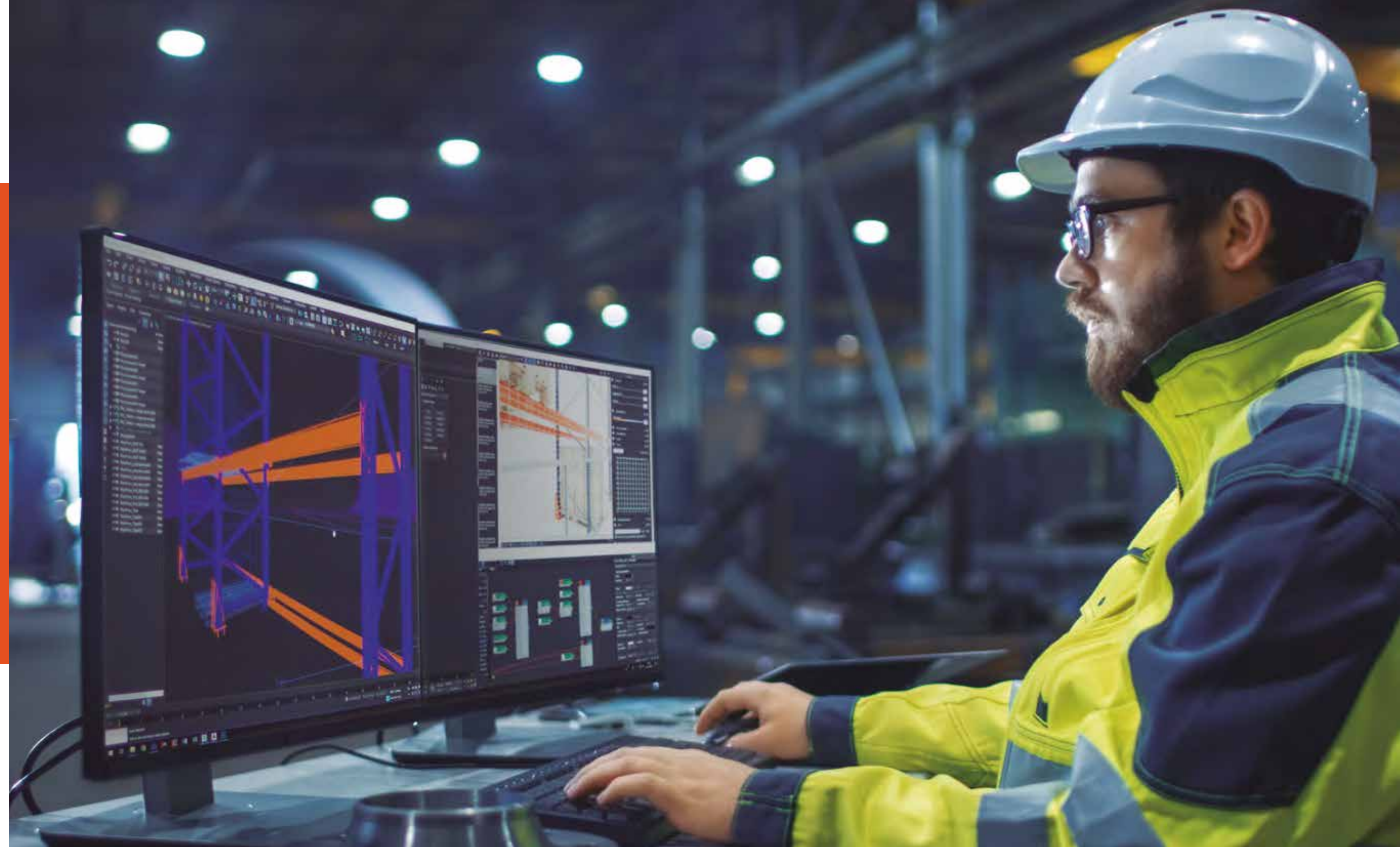
Technology

Estanterías Record aims to create a culture of innovation as part of our business strategy. This is evidenced by our commitment to technology throughout our manufacturing environment and the equipment we use to create and develop our design solutions.

Technological development is of fundamental importance in logistics. Companies try to optimise their investments through an increasingly evident commitment to technology in order to gain a competitive edge and obtain a better balance in terms of asset performance. The storage sector is especially well-suited to the implementation of progressive improvements that facilitate stock inventory, handling and management tasks. In this regard, Estanterías Record always offers their customers the most up-to-date, innovative solutions created with state-of-the-art technology.

One of our strategic foundations is to ensure all our business processes remain at the forefront of technology, especially those related to research and development of the storage systems we design. To this end, we employ world renowned computer models and knowledge platforms to offer our customers the most reliable and advanced products on the market. Since we have the appropriate tools, we can design high performance components in terms of functionality and safety, which comfortably satisfy the standards regulating structural storage systems with respect to risk prevention and technical specifications.

Estanterías Record is dedicated to establishing itself as a technological reference in a market that demands highly efficient solutions with a guarantee of operational reliability.





Presence

Estanterías Record has firmly installed itself in the domestic and international market. As a global supplier of storage solutions, we have been positioning ourselves as a clear leader within the logistics sector thanks to the quality of our products and services, and our capacity to provide highly professional solutions to a wide variety of problems.

We can offer our customers the best possible coverage through our broad sales network, technical consultants, partners, agents and our own branches, thereby guaranteeing a rapid and efficient response to customers in both domestic and international markets. What is more, we have partnership agreements with highly technically qualified major distributors who provide a well-coordinated service and personalised treatment to all kinds and sizes of company whatever their needs may be.

Internationally, we have strengthened our presence with the guarantees that our organisational policies have outlined in terms of monitoring defined goals and adhering to the commercial values embodied by our corporate identity.

We hold the belief that personalised attention should be flexible, direct and form the basis for a dynamic organisation that does not hesitate to undertake whatever is necessary to develop a commercial network capable of carrying its solutions wherever they are required and as quickly as possible.



Experience

Estanterías Record was founded in 1978. The company originally started out manufacturing small shelving systems for the domestic market and provided various services involving metal processing.

We later centred our product and commercial development on meeting the needs of the logistics sector, a constantly growing industry given that companies from all sectors need to increase their storage capacity and manage their stock more efficiently.

For the last 40 years, Estanterías Record has developed all kinds of projects for clients from a wide variety of sectors, meeting the individual needs of each specific case and situation; we have therefore gained valuable experience and an in-depth knowledge of the market which nowadays represents a very special endorsement of our excellent work.

Vision

In line with our enterprising spirit, at Estanterías Record we strive for continuous progress and improvement as a means to achieve excellence. This is a primary corporate objective that spearheads all of the company's activities.

We still exert ourselves in the markets where we have already consolidated our position so that we may continue to improve and update our range of products and services with innovative and scalable solutions.

In international markets, we are continuing with our expansion projects to generate new business partnerships and therefore progressively extend our activity worldwide. In the countries where we have already established our presence, we continue to strengthen our commercial offer, which is endorsed by our customers' loyalty.

Opting for storage systems by Estanterías Record shows a clear commitment to continuity, given both the technical level of our products and our status as a supplier of complete solutions that is devoted to its sector, is financially healthy and has a clear focus on and vision of the future.

Certifications and Regulatory Framework

Estanterías Record strictly fulfils the technical regulations applicable to the design and supporting calculations for our products and services. What is more, our business processes conform to mandatory sectoral, national and international regulations as they comply with applicable guidelines regarding normalisation and legislation.

Furthermore, we systematically apply the directives laid down by ISO 9001 concerning quality control, assurance and management systems to our procedures involving design, development, manufacturing, installation and after-sales service. Our company registration certificate is issued by TÜV International Rheinland, under licence for use number 0.04.03229. TÜV performs regular follow-up audits to ensure the operational performance of our ISO system and verify the aforementioned standard is implemented correctly.

As approved systems must meet the highest technical demands in terms of design, guidelines for testing, calculation, manufacturing, etc., then it culminates in more solid and reliable structures. This contributes to increased safety for the stored goods and above all it is beneficial for the storage system's end user because it will minimise handling risks in day-to-day warehouse management.

The possession of a storage system developed according to the strictest regulations applicable implies a high degree of security and confidence in the event of demands for accountability or other procedural matters involving insurance companies, financial entities, public bodies, health and safety inspections, etc.

Finally, Estanterías Record is a member of the FEM-AEM. The purpose of the FEM-AEM (Spanish Material Handling Association) is to collaborate with national and EU bodies in matters concerning the regulation, improvement and unification of its sector, while also cooperating with partner countries and European manufacturers.

As set out above, Estanterías Record is evidently very committed and engaged in terms of meeting the sector's most stringent regulatory requirements so we can offer the market solutions of the highest quality, the utmost safety and with a total guarantee.



Services

Planning and Design

Estanterías Record relies on an expert team of professional technicians who perform a thorough evaluation of all the project-relevant factors to find the most appropriate solution in each case. Specifically, the following questions are particularly relevant:

- ▶ Surface area available.
- ▶ Load-bearing capacity.
- ▶ Integration with load handling equipment.
- ▶ Circulation and handling.
- ▶ Operational access and service conditions.
- ▶ Control de inventarios.
- ▶ Inventory control.
- ▶ Size of investment.
- ▶ Flexibility of use.
- ▶ Normalisation.

When asked to design a warehouse storage system, Estanterías Record develops a project considering the factors explained above, amongst others, which are subsequently applied in accordance with our own working methodology. This results in individual solutions that are tailored to each specific case.





Installation and Assembly

The implementation of a warehouse system that is perfectly in line with its planned purpose requires the efficient design of an appropriate solution and the use of high-quality materials; plus it must also be installed in such a way that it guarantees the system will function correctly.

The importance of correct assembly is vital not only to obtain the expected performance and avoid potential problems, but also for the safety of the goods and people who handle them.

Estanterías Record, making use of our extensive experience in the installation of all kinds of warehouse system, selects teams of highly qualified professionals with an in-depth knowledge of the technical details of each type of system and therefore they guarantee installation work of the highest quality and the optimum result for the planned solution.

This is endorsed by our ISO 9001 certification, which covers the both design, development, manufacturing and after-sales processes, as well as the installation and assembly of all our products.



After Sales Maintenance

As racks are used continuously and/or sometimes incorrectly, then their components deteriorate with time and they lose some of the functionality or load-bearing capacity incorporated in their original design. This leads to a significant increase in the risk of accidents, with unforeseeable effects for both the shelving system and stored goods, as well as the employees working in the warehouse. Damaged components or which have received blows, even though the damage may not be visible, can generate dangerous stresses that compromise the storage system's stability and, occasionally, this could even result in its sudden collapse without any prior warning.

As such the user is responsible for ensuring that their racking system is in good structural order and is used correctly. Therefore, Estanterías Record helps their customers meet these objectives by offering them various technical support and after-sales services. Amongst others, these include the following:

- ▶ Review and inspection of the installed equipment in order to perform appropriate preventive or corrective maintenance, as required, to minimise the risks inherent to its use.
- ▶ Advice regarding the correct use of the storage system and the implementation of management guidelines with respect to maintenance and service logistics.
- ▶ Guidance and support for adopting standard operating procedures in the case of accidents.
- ▶ Training in safety and appropriate use of the work equipment.
- ▶ Delivery of product and user technical manuals.
- ▶ Supervision and assessment of maintenance tasks carried out by the user.
- ▶ We perform any corrective measures required by the equipment and replace damaged components.

In addition, standard EN 15635 concerning "Steel static storage systems". Application and maintenance of storage equipment" establishes the need for storage systems to be inspected at least once a year by a professional expert.



After Sales Guarantee

Estanterías Record offers the best AFTER-SALES GUARANTEE in the sector, with a maximum coverage period of 5 YEARS.

In order for us to cover a storage system with the relevant guarantee, besides considering the quality assurance processes concerning the manufacture of its structural components, each installed system must meet certain criteria: firstly, it must be assembled in accordance with the original design while strictly adhering to the procedural requirements; and secondly, it must be subject to proper post-installation maintenance.

Estanterías Record offers a 5-year guarantee against all manufacturing and assembly defects for the solutions we supply, so long as installation and maintenance services are performed by teams allocated by our company.

Technical Consultancy Service

In the context of Estanterías Record's pre- and after-sales services, we are happy to help our customers with any questions they may have about storage systems in general, completely free of charge and without commitment.

Our technical department, comprising highly qualified professionals, will resolve any queries by applying their accredited skills, individual expertise and thorough technical knowledge, and by employing all the material and technological resources available to them.

Furthermore, our sales department has attained significant know-how from their extensive experience dealing with all types of problems regarding logistical handling – an unsurpassable tool when it comes to providing the right advice for the satisfactory resolution of even the most complex case studies.



TECHNICAL INSPECTION

Introduction

Racking and storage systems are generally operated by handling equipment (forklift trucks, etc.) which constantly interact with them. This interaction, mainly during loading, unloading and transit operations, racking components can suffer impacts of varying intensities and frequency. Other incidences also occur from using loading units, handling elements or due to unsuitable planning and design for storage needs. Lastly, using racking for a purpose other than which it was designed, changing its location, moving it or altering its layout can negatively affect these systems' integrity.

As a result, damage to the racking's structural elements creates a loss of function, which reduces its load capacity and affects its stability, creating high risk situations that could lead to very serious material damages and personal injuries.

In this context, significant effort has been made to develop regulations to systematise appropriate use and maintenance of this type of equipment, notably the training of staff responsible for its use.



Regulations

In accordance with the provisions of Spanish Royal Decree RD 1215/1997 which sets out the minimum health and safety requirements for workers use of work equipment, storage systems are considered as work equipment and therefore they are subject to specific legislation concerning safety and risk prevention.

Furthermore, the Spanish National Institute for Occupational Health and Safety, in their Technical Safety Note NTP 852 Adjustable pallet racking , defines the risks associated with the use of racking and the preventive and protective measures to be adopted in each case.

Finally, standard UNE-EN 15635 Steel static storage systems. Application and maintenance of storage equipment , constitutes the most important normative document regulating the use and maintenance of storage equipment. It places special significance on training the users of storage systems to ensure safe warehouse operation. What is more, it establishes the requisite for storage equipment to be inspected by technically competent personnel at least once a year.

The main aim of the regulatory framework described above is to minimise risks inherent to the use of storage equipment and ensure the safe operation of the warehouse.



Responsibilities

The user of the storage system is responsible for the safety of those who work in the equipment's environment and for maintaining it in safe operating conditions. A risk assessment study is compulsory in order to minimise the possibilities of structural damage and its associated consequences.

In this regard, standard UNE-EN 15635 establishes a list of responsibilities and competences covering all the parties involved.



Methodology



CALL US

Please contact us to request a Technical Inspection



INSPECTION

A qualified inspector will assess your installation



CERTIFICATE

Obtain your inspection certificate



SAFETY

Warehouse inspected according to standard UNE-EN 15635

At your request qualified and experienced Esterías Record staff will perform a rigorous inspection in accordance with standard UNE-EN 15635 and based on our own RTI methodology, which consists of:

- ▶ **1.** An evaluation of the general condition of your warehouse and the handling equipment currently in us.
- ▶ **2.** Consideration of general aspects featured in specific standards (NTP 852, RD 486/1997, RD 1215/1997)

Upon completion of the RTI process, the user will obtain:

- ▶ **1.** A preliminary evaluation with recommendations for immediate action if damaged components were identified and present a serious risk.
- ▶ **2.** A comprehensive report with the results of the inspection, the risks identified and the actions to be carried out.
- ▶ **3.** Signposting with adhesive labels placed on each damaged component to identify the observed risk.
- ▶ **4.** Handover of the inspection certificate, in accordance with standards, signed and stamped by Esterías Record.

- ▶ **5.** Handover of the inspection record, if it is an initial inspection, or an updated version of the record including the latest evaluation in the case of subsequent inspections.

- ▶ **6.** Handover of the user, maintenance and safety manual associated with the installation for the warehouse staff's reference.

- ▶ **7.** Recommendations for the preparation of an internal inspection programme.

- ▶ **8.** Technical advice for implementing good management practices in warehouse maintenance.

- ▶ **9.** Guidance for adopting operating procedures in the case of accidents and advice on how to investigate incidents in order to determine their causes.

- ▶ **10.** Training in safety and appropriate use of the work equipment.

- ▶ **11.** Telephone support available 24/7 into any aspect related to the technical inspection.

PRODUCTS

The range of storage systems supplied by Estanterías Record covers almost every situation and need for any load requirement, type of goods and logistics management according to use or storage area.

They are all high-performance solutions that improve a company's business processes, providing tools of high value-added to reduce costs and increase competitiveness.

The technical method used by Estanterías Record in all its creations complies with strict international standards on the design and functionality parameters of the systems used to ensure equipment that is highly efficient and safe.

The rigorous selection of raw materials and other supplies used, together with modern, advanced manufacturing processes and exhaustive quality controls, result in an end product of extraordinary technical quality with an excellent finish at a competitive price.

Two features that apply across our entire product catalogue are versatility of use and adaptability to all kinds of circumstances. The structures are reinforced with nuts and bolts and interlocking coupling systems, easy assembly and minimum use of manual labour. Thanks to a long list of accessories, the system can be adapted or reconfigured for the widest variety of current and future requirements. This means unquestionable benefit when making investments profitable over time.

CONVENTIONAL PALLET RACKING



HEAVY LOADS



PALLETISED



AUTOMATED



GENERAL
WAREHOUSES

Description

This is the most popular and efficient storage system for palletised goods. It consists of rows of racking arranged to form intervening aisles for the circulation of mechanical handling equipment. Each product is accessed selectively and directly as each pallet is positioned in its corresponding space.

The system's basic components are beams, which form the loading levels where goods are stored, and frames, which transfer the load vertically to the floor. The structure is dimensioned according to the physical characteristics of the articles to be stored and arranged to take full advantage of the space available, in line with the planned functionality of the warehouse, flow of stock and the handling elements employed.

Conventional pallet racking systems are usually designed in single or double rows. Single rows are racks that can be accessed from one side and are typically positioned at the sides of the storage area or at the warehouse's perimeter attached to the building's walls. Double rows are formed by connecting two single rows, they are located centrally within the storage area and can be accessed from both sides. Two double rows can be combined to create systems that are twice as deep in order to increase storage capacity and reduce the number of aisles; in which case, double-deep forklift trucks must be used to reach the rear pallets.



Applications

This system is ideal for storing all types of palletised heavy loads. Given the flexibility of its design and the wide range of accessories available, this racking system can be configured for any use and products of various weights, shapes and sizes. In addition, it is a truly versatile solution for managing multi-client and/or multi-product warehouses because the system's components can be adapted to accommodate different types of goods. The system is particularly suitable for warehouses with a large variety and quantity of items, and high levels of rotation and replenishment.

It is also the perfect choice for storing uniform products with several pallets for each type of product and a moderate obsolescence rate, since the installation of double-deep racking configurations compacts the loads and optimises the warehouse's surface area.

The system can be configured for mixed usage, combining its function as a heavy pallet racking system with the storage of manually handled goods for direct picking operations.

In summary, it is a structural design concept for large loads that can be adapted to practically any requirements no matter how specific they may be.



Advantages

- Each product can be located quickly and accessed directly and selectively, ensuring streamlined stock flow, saving time and energy, optimising management costs and increasing warehouse productivity.
- As each storage position corresponds to an identifiable product that can be accessed without having to move other items, the system guarantees strict control over inventory management.
- The racking system's versatility of use means it is compatible with other storage systems and can be used in coordination with any type of handling equipment available, which does not need to be highly specialised.
- Its modular design, multiple configuration possibilities and wide range of accessories guarantee the racking system can be adapted to any number of products, shapes and weights of goods, as well as to diverse and changing storage needs.
- The assembly systems used facilitate rapid disassembly, reconfiguration or expansion of the structure to accommodate new storage conditions; furthermore, damaged elements can be replaced immediately and without fuss.
- The system's design, compliant with current calculation and development standards, ensures its stability and strength for the intended uses, guaranteeing the safety of the structure itself, the stored goods and the users.
- Its low installation and maintenance costs make it a perfectly balanced, efficient and productive solution that meets any and all heavy storage requirements.



Products

01

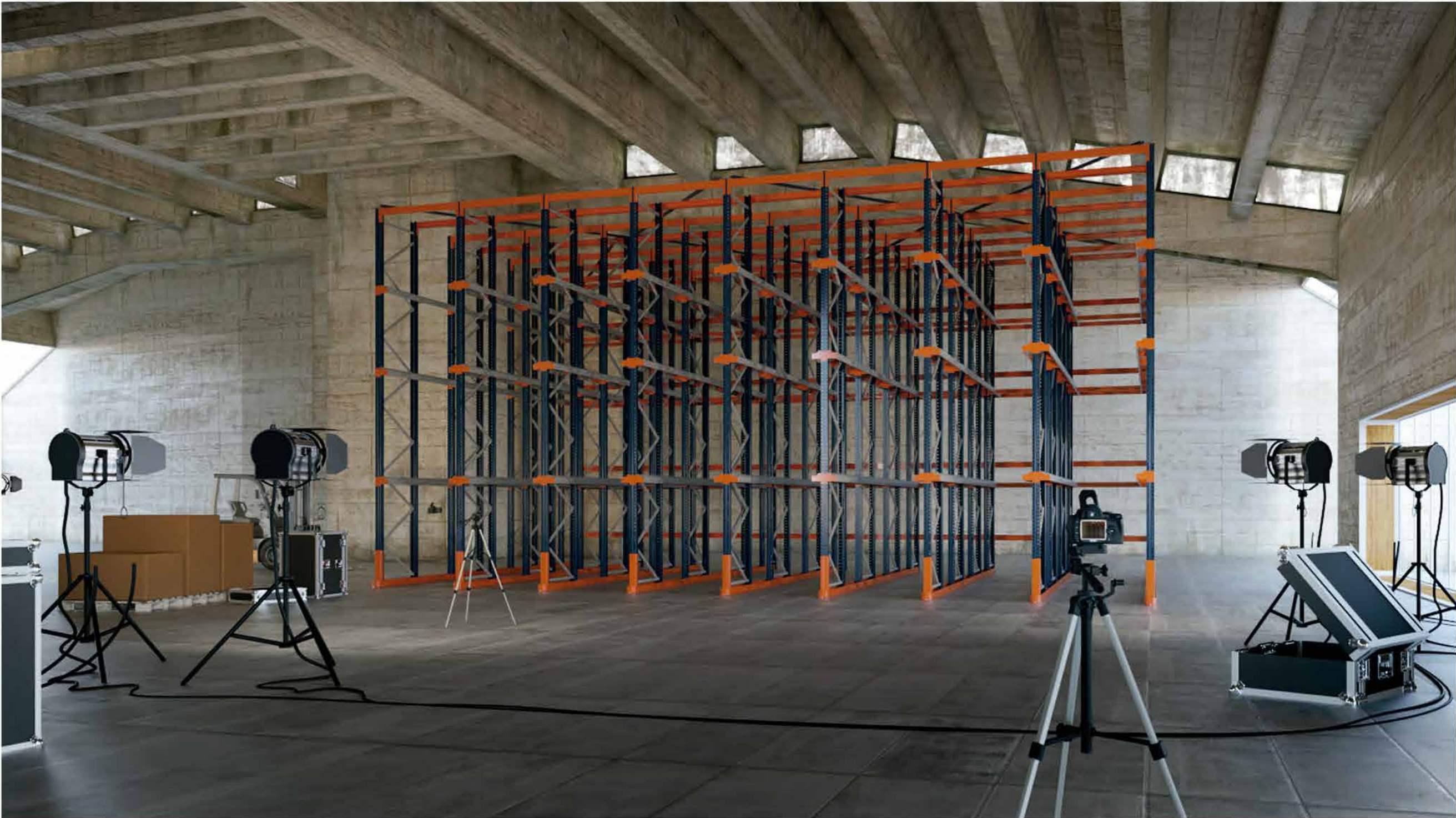
Conventional pallet racking

HEAVY LOADS

PALLETISED

avAUTOMATED

GENERAL WAREHOUSES



COMPACT DRIVE IN PALLET RACKING

HEAVY LOADS

PALLETISED

AUTOMATED

GENERAL
WAREHOUSES

Description

This pallet racking system provides the highest levels of storage capacity and fully maximises the use of the surface area available. The system’s vertical elements are aligned longitudinally to form parallel loading lanes. Both sides of each lane is equipped with the necessary components to support pallets to the full height of the structure and therefore forklift trucks can drive into the lanes to deposit or withdraw palletised goods.

This solution almost doubles the capacity of a conventional pallet racking system as it does away with the need for aisles for circulation and stores unit loads more compactly. This means that selective access to each pallet is therefore sacrificed in favour of greater productivity of the usable space.

The structure’s specifications (number of lanes, height, depth, etc.) depend on the type and number of products, their rotation rate, the lifting equipment used, the total space available and which logistics management system is implemented.

Compact pallet racking systems can be installed in either single entrance configurations, if the lanes are only accessible from one side (these are usually attached to the building’s walls), or double entrance blocks, if forklifts can access them from both sides. The latter layout is normally loaded from one end of the lanes and unloaded from the other.



Applications

This system is ideal for managing goods with uniform dimensions, moderate rotation, a low obsolescence rate and a large number of pallets for each type of product.

It is the perfect solution for maximising the use of storage space and the system's capacity by storing as many pallets as possible.

The design of the single entrance configurations is perfectly adapted to LIFO (last in first out) warehouse management systems. On the other hand, the double entrance installations are optimal for FIFO (first in first out) warehouse management procedures.

Compact pallet racking systems can be used with products of different shapes and weights since their structural components and the range of accessories available mean they can be modified to store a wide variety of goods.

Whatever the case may be, these systems are indicated for warehouses where rapid and selective pallet access is less important than overall system productivity and capacity.

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Advantages

- The structure's design makes it much more efficient than the conventional pallet racking system. It can make use of up to 80% of the total surface area available.
- The compact bulk arrangement of goods and the methodical service flow inherent to the system's design result in organised, efficient stock management. This is particularly productive when operating with a small product range but a high quantity of units, since each loading level corresponds to a single group of products with uniform characteristics.
- The array of accessories and configurations means the structure can be adapted for use with any type of uniform load. Additionally, quick and straightforward regulation of the height of the system's components ensures optimal use of the vertical space.
- The excellent design of component assembly means the structure can be disassembled and relocated quickly, or it can be reconfigured or amplified according to new storage needs. What is more, damaged parts are replaced easily and immediately.
- Thanks to the system's functional characteristics it is easily integrated into warehouses with different management systems or high rotations and a wide variety of goods.
- Its moderate installation and maintenance costs favour a rapid return on investment, making it the most cost-effective solution for warehouses with compact storage requirements.
- The system's stability guarantees the safety of the overall structure, the users and the stored goods; its design for the intended purpose is calculated and developed in compliance with the most stringent of applicable standards.



Products

02

Compact drive in pallet racking

HEAVY LOADS

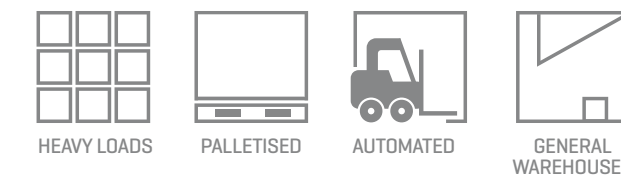
PALLETISED

AUTOMATED

GENERAL WAREHOUSES



PALLET RACKING WITH PICKING LEVELS

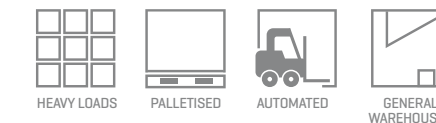


Description

This racking system is ideal for combining two, usually complementary, warehousing operations. It incorporates a conventional pallet racking system above a structure configured for the manual storage of medium sized goods.

The storage modules are arranged in rows forming intervening aisles which are dimensioned according to the forklift trucks' characteristics and the functional needs of the logistics management system in use. The structure is installed according to the physical constraints of the loads and the means by which they are handled.

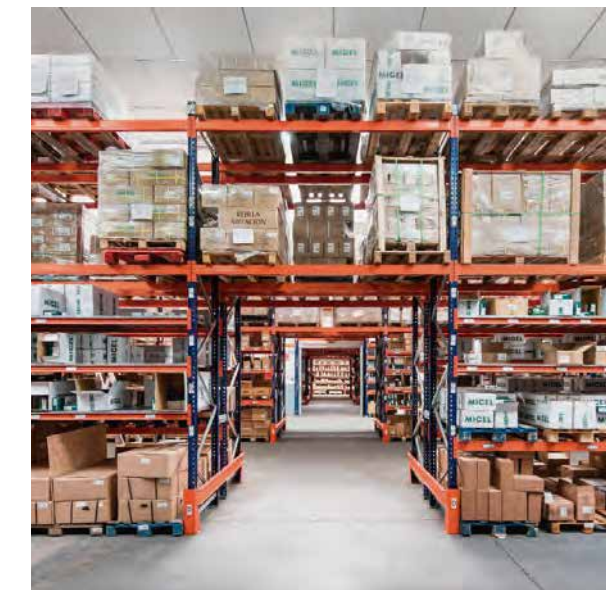
As it can house large palletised loads, handled by mechanical equipment but which can simultaneously be accessed by workers carrying out picking operations, then the installation's design must be optimised to guarantee the safety of employees, stock and the storage system itself.



Advantages

- Operational flexibility and continuity by combining manual picking tasks that are backed up by large reserves of palletised stock.
- Organised and controlled stock management because products come in and go out in the same work layout. This means items can be replenished immediately, while simultaneously providing a clear vision of stock rotation flow and reserve supplies.
- Given the multiple configuration possibilities of the system's structural components, it can be used to store very diverse goods or combine different types of material in the same system.
- Since it is a combination of two very widespread and efficient structural systems, then its technical reliability, design capacity, the productivity of its implementation and the extremely short-term cost-effectiveness of its use have been thoroughly tried and tested.

- There is no need for large investments in specific goods handling equipment or machinery; it is designed as a straightforward, immediate and effective logistics operation.



Applications

This solution is ideal when palletised warehouse management needs to be combined with manual preparation of orders or product handling. The manually accessed lower levels are designed for this latter function, while the upper levels are prepared for storing goods on pallets that are used to replenish the picking area.

This system is especially suitable for uniform products with a high quantity of units per product, high rotation and which can be both stacked on pallets and handled manually.

Depending on each project's characteristics, the storage system can be used to house any kind of product; furthermore, its design provides enough versatility to adapt to unforeseen functional changes or new working systems. This is because the entire range of accessories can be installed seamlessly on both of the product lines incorporated in this mixed system.



MEZZANINE OVER PALLET RACK



HEAVY LOADS



PALLETISED



SURFACE
EXPANSION

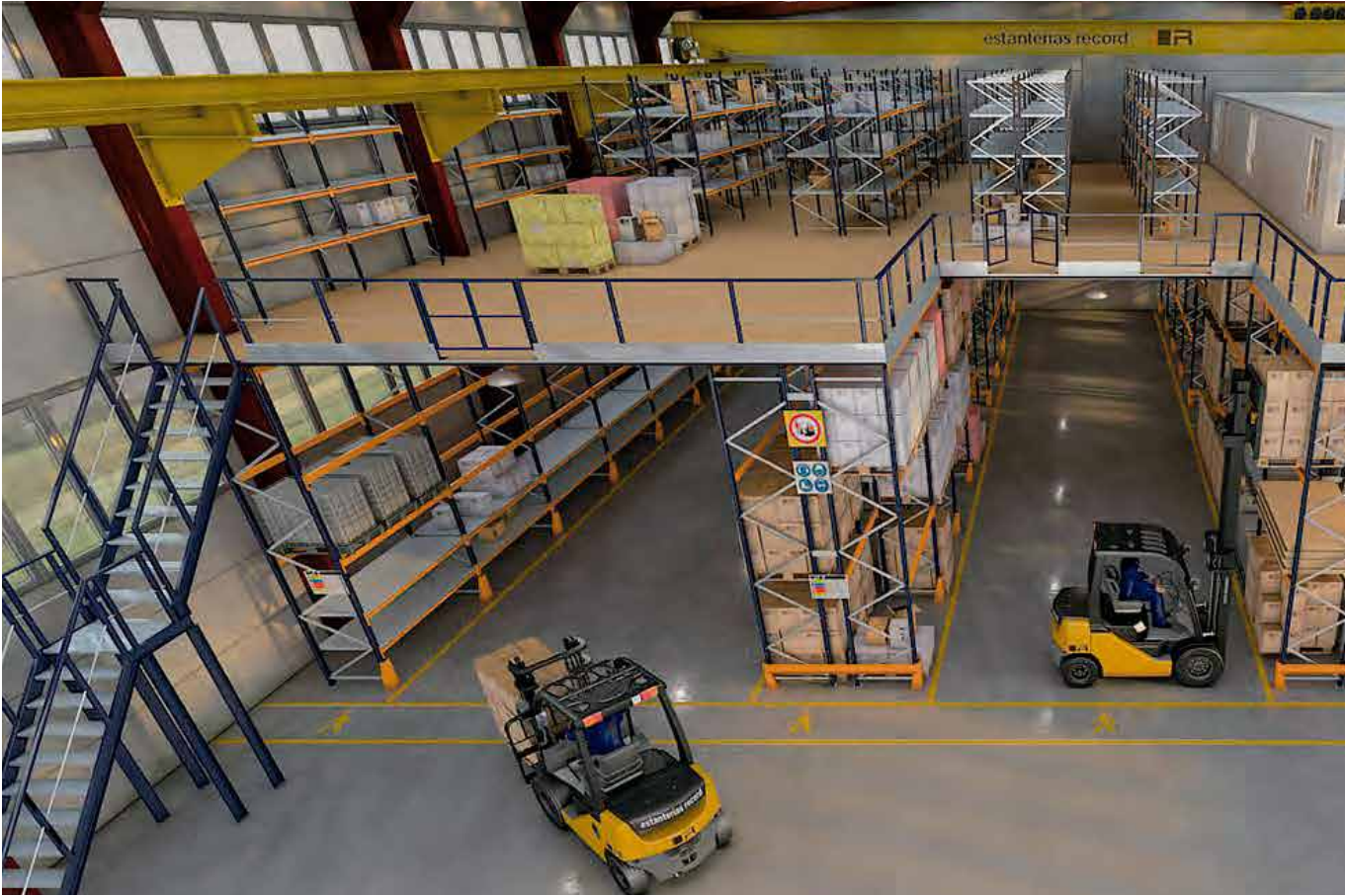
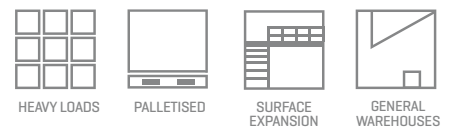


GENERAL
WAREHOUSES

Description

An open-plan, walkable loft can be installed above conventional pallet racking systems to increase the usable surface area by taking advantage of the building's full height. The construction system is designed to be integrated over the basic racking structure without affecting its functionality and is complemented with its own components: conveniently positioned access stairways, loading/unloading bays and doors, perimeter protection systems with guardrails in open areas, skirting boards and intermediate safety fixtures, etc.

The elevated surface can be created with different types of floor decking depending on the planned use, the load characteristics, the working system, the circulation of pallet trucks, requirements concerning ventilation, lighting or the passage of water from firefighting systems, etc. The following options can be installed: fibreboard, melamine board or boards covered with different metal finishes, perforated or tread plate galvanised steel metal panels, bar grating systems, etc.



Applications

This system has several different applications. Overhead lofts can be assigned to roles associated with the underlying pallet racking system’s functions, such as the reception or preparation of orders, stock reserves, as a storage area for the regulation or classification of goods, etc., or for other purposes, such as different working areas, storing materials that do not fit into racks, the installation of offices, archives, dressing rooms, areas reserved for specific activities, etc.

Furthermore, overhead lofts can serve as a basis for the installation of other types of storage, thereby increasing the total storage capacity. The two areas are communicated by means of loading bays that can be accessed using different types of door depending on whether forklift trucks or other internal goods transfer systems are used. This enhances stock flow and operational efficiency by improving the communication between the two storage levels. In all cases, the stairways, which are designed for intense but safe use, are dimensioned and located while considering the optimal integration of the usable space.



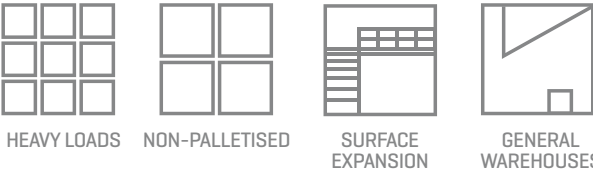
Advantages

- A significant increase in the warehouse’s usable volume translates into substantial cost savings as it eliminates the need to invest in more floor space. It is much cheaper to install a pallet racking system with an overhead loft than to purchase more industrial land.
- Thanks to its smart design, the loft can be installed at the same time as the racking system or at a later date. This means the installation can be managed in phases so the investment is perfectly adapted to each customer’s financial resources.
- Assembly is quick, straightforward and does not interfere with the user’s operating cycle. What is more, as with all systems designed by Estanterías Record, the structure can be fully disassembled and reused, meeting any future needs for amplification, relocation, reconfiguration, etc.
- The versatility of use incorporated both in its overall functional design and the different types of constructive elements available mean this system is the ideal solution for a wide range of requirements and additional, mutually complementary applications.
- The layout of an elevated surface over a conventional pallet racking system benefits from the structural reliability of an extensively used, tested and regulated system. Estanterías Record strictly adheres to the European regulations overseeing the technical design and safety requirements for storage systems.





Mezzanine floor



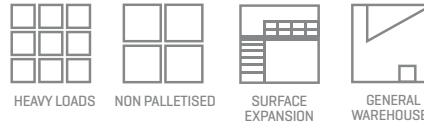
Description

The structural system is high-versatility and high-performance for extending the height of a usable area. Unlike systems for lofts on palletisation or manual loads, the walkway floor is not held up by shelves, but rather by a building design similar to that used in construction: girders resting on bearing walls to form a horizontal support system resting on vertical pillars that determine the height of the floor and direct the load to the ground.

On the one hand, this design is possible thanks to the elevation of more than one floor and the adaptation of the perimeter according to the surface format of the enclosure; and, on the other, thanks to the fact that the parts can be dimensioned according to the load requirements and capacity of each project. This provides very notable building potential and a high degree of specialisation for each solution to adapt to the most specific requirements and the widest variety of uses.

The exposed perimeter of the walkway platforms is protected by safety handrails and connected by access stairways designed for the planned use. The safety handrails can also be fitted with gates for goods and material services by forklifts or other indoor transport machinery.

The construction system is modular and configurable; the parts are coupled together by inserts and screws, making it easy to disassemble the entire installation. Furthermore, no stress needs to be relieved by fastening it to any structural part of the building since it is completely autonomous and independent.



Advantages

- As far as legislation is concerned, the building specifications make it "movable property", taking it beyond the scope of regulations applicable to common buildings regarding the need for applying for works licences, calculating built-up usable square metres and the corresponding taxes, etc.
- Its multi-purpose nature and wide variety of design options make it suitable for almost any use. The investment is proportionate and there are none of the legal or administrative obligations that apply to other types of constructions.
- As it is a weld-free modular composition, it is fully reconfigurable and can be adapted to new designs for requirements as they arise. The surface area and height are also easily extended if the parts are correctly dimensioned.
- It is a highly effective design and widely tried and tested; each project is calculated according to reference standards, taking into account the specific building particulars of each configuration.



Applications

Owing to the many options for adaptation in terms of resistance and capacity, the specific dimensioning enables the installation of different types of rooms, such as offices, showrooms, storerooms, workshops, changing rooms, dining halls and multi-purpose rooms, etc. Given its sober construction, it enables the installation of all kinds of elements for creating compartments and adapting the spaces as if it were a conventional building.

Shelves can also be installed for picking as long as supports for floors are installed to ensure the even transmission of the load to the structure. Furthermore, if the floor is suitably prepared, maintenance equipment can be used in the area for palletised goods.

Finally, the surface can also be given a more generic use, e.g. to position objects or goods whose sizes or specifications make prevent other kinds of storage, such as materials in bulk or in different types of containers and different-sized items, etc.





CANTILEVER RACKING

HEAVY LOADS

SPECIAL

AUTOMATED

SPECIALISED

Description

This is a unique shelf design system. It is made up of alignments of columns anchored vertically by bolted meshes. The columns are held in place by perpendicular sections fastened to the end as a base to stabilise the entire structure. Overhanging arms are fitted horizontally on the columns to hold the goods.

Depending on load requirements and their location in the warehouse, the bodies can be aligned individually, if they have only one loading side, or in a double configuration if they are accessible on both sides.

Two or more arms together on the horizontal level constitute a load level. Columns are fitted with an effective articulated system that is highly resistant to the stress generated by the loads and enables the arm to move vertically to prevent damage from blows during loading and unloading operations. It can also be folded up on the columns when it is not in use or when the space of a lower level needs to be increased.



Applications

The system is designed to hold very long products, such as pipes, sections, strips of wood, rolls of laminate material, etc., since several adjacent arms can make up the low level without the need for a continuity solution and without the restrictions of a vertical structure, which limits the fixed load spaces.

Similarly, it is also adequate for storing items whose size or shape prevents them from being placed on pallets or other types of shelves, such as boards of wood, large sheets, irregular-shaped materials such as furniture and other items, etc.

Similarly, as the height of the arms can be adapted individually in a very simple way or folded on the columns by hand, uneven products or items or products or items of very different sizes can be placed on the structure.

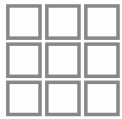


Advantages

- This is a simple, multi-purpose structural design with a load capacity that can be adapted to a wide variety of demanding service conditions and specifications.
- The constructive elements have different sizes to adapt to loads and requirements. Similarly, the many options for adjusting the different parts in height and length make it possible to place almost any type of product on the load levels.
- Thanks to its physical specifications, it has high mechanical stability; it does not require load stress to be directed to other parts of the structure and it does not need to be anchored to the building since it works independently.
- The excellent design of the parts simplifies assembly, modification, restructuring, extension and moving processes and the replacement of damaged parts.
- The versatile use of the system, its many options for adaptation to different logistics operations, the synergy with the mechanical maintenance resources used, its long service life and its evolutive design mean that it can be adapted as the company develops, guaranteeing the productivity of the investment.



REEL-HOLDER RACK



HEAVY LOADS



SPECIAL



AUTOMATED



SPECIALISED

Description

Based on the constructive design of the pallet rack system, this solution has been specifically designed for the storage and processing of cylindrical heavy goods with a central spindle, such as large coils or reels of cables, pipes or rope, rolls of paper or other laminated materials, etc.

The design is made up of lines of standard racks arranged in parallel and joined at the top and rear by conventional system bars for pallet-racking large loads. Spaced at height, they are fastened to every second rack on which the products to be stored are held; the racks have central fittings for the ends of the metal bars of the reel spindles.

Thanks to the practical specifications of this structure, it is usually attached to the walls of the room in single lines or in the middle of the room in double lines, since the shelves can only be accessed from the front.



Applications

Our reel-holder shelves are part of the range of solutions developed by Estanterías Record for companies with specific storage problems and products with very particular specifications. In this case, they are designed for heavyweight, large-sized coils handled by forklifts or special machinery.

The goods can be placed on the structure for static storage or for regular consumption of the material contained using the built-in winder mechanism. The design of the support system for the spindle in the semicircular slots on the load racks lets the coils rotate on demand to supply the required quantity of product.



Advantages

- The control of the loading units is simple and direct since they are neatly arranged on the shelf to ensure that logistics and inventory management is as productive as possible.
- The efficient design of the fastenings of the reel-holder brackets to the racks makes it very easy to adjust levels and change or replace items.
- The structure is very stable thanks to the insert achieved with the interaction of the external bars and the inner brackets, making it highly resistant and capable of supporting very heavy loads.
- The system is expandable for additional storage requirements and can be reconfigured as and when they change.

- Maintenance and replacement costs are low, since the parts more exposed to damage are very common and frequently used as standard in the most common installations.





CONVENTIONAL PICKING RACK

Description

This is a full programme of shelves and accessories for the storage of goods which, due to size, weight and logistics, require manual management.

The basic composition includes parallel alignments of structures connected to each other by pairs of bars, with load levels set on them for the goods to be positioned. The shelf bodies are distributed in the form of corridors to enable worker movement. The structural parts have different configurations and sizes to adapt to service and capacity requirements; furthermore, the load levels are supplied with materials and finishes adapted to each use.



The longitudinal bodies can be arranged in simple configurations, usually attached to the walls of the premises and accessible on one side; or in double configurations, comprising two single lines attached to the walls and usually located in the central areas of the premises for access from both sides of the unit.



Applications

It is the ideal solution for handling numerous products of different shapes and weight with very variable flows and rotations. The system is designed to make various logistic operations compatible based on evolving or changing needs. The variety of accessories, complements and finish materials covers virtually any storage requirement. Furthermore, due to the efficient assembly system, the shelves can be easily modified for new uses.

This system is suitable for packaged or boxed products of different sizes and weights positioned directly on the different surfaces of the load levels, such as raw agglomerate or melamine boards, metal grids and panels, etc. Separators and partitioning systems can also be installed for small or bulk goods.

Finally, for very specific uses, it is also possible to dispense with the loading surfaces and store specific products on the standard bars (tyre shelves) or hang them from special bars (hanger for garments).



Advantages

- Installation, extension and maintenance costs are minimal. This is a very cheap resource that covers a long list of requirements; it is also evolutive and scalable and provides a quick return on investment.
- Options for adaptation are remarkable: the different sizes of the various parts and the diversity of specific components and finishes, together with the ease and speed of assembly, adjustment or reconfiguration for new uses or special stocks, make this system highly flexible, versatile and efficient on any logistics scenario.
- The manufacturing materials, the effective design of the structure itself and the accessories designed to increase its strength and stability guarantee safe installation and a working environment with minimum hazards for both goods and workers. All this in strict compliance with current sector regulations.
- As the presence of maintenance machinery is scarce in this type of warehouse, the technical obsolescence of the shelves is very low and their service life is very long. Thanks to their practical design, access operations are very direct and selective, enabling optimal stock control and simple and efficient inventory management.
- The wide range of construction accessories makes it possible to extend the basic structure, adding one or more accessible levels to it for access to higher storage levels (raised corridors) or the installation of a multi-purpose empty top level.



Products **08**

Conventional picking rack

 MODERATE LOADS
  NON-PALLETISED
  MANUAL
  GENERAL WAREHOUSES

PICKING RACK OVER FLOOR



Description

In most cases, the conventional picking shelf system is used without order-picking machinery or lifting platforms; therefore, the height is limited by individual, manual access. However, to eliminate this disadvantage, there is a very efficient solution that multiplies installation capacity and performance.

Increasing the height of the basic structure: one or more accessible levels can be created by installing raised corridors anchored between the bodies of the shelves. The different levels are connected by access ladders and the exposed areas of the work corridors are protected by safety rails.

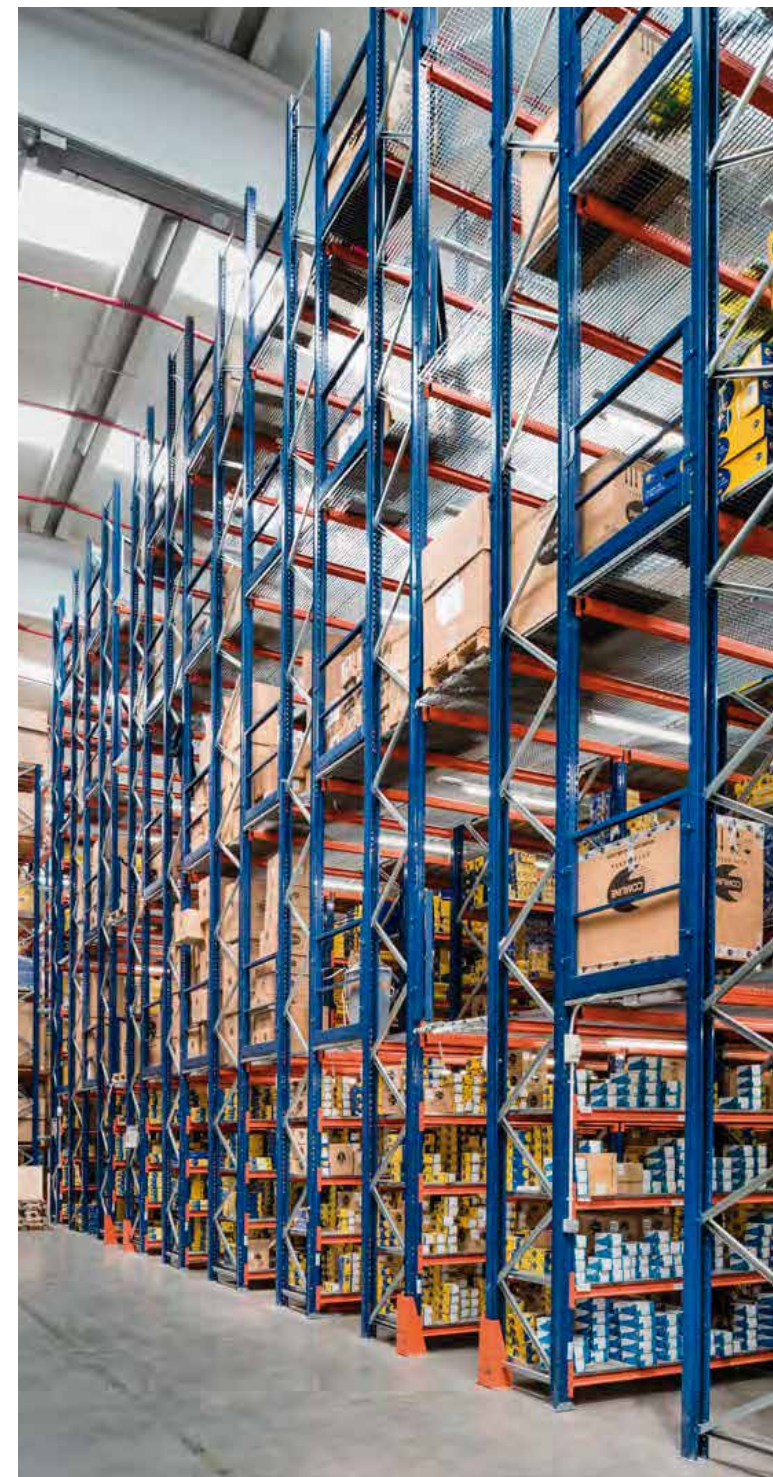
The entire installation is fitted with elements that offer sizes and features adapted to the intended purpose. The surfaces of the corridors are fitted with materials that adapt to the use and functional service requirements (agglomerate boards, with melamine surface, non-slip or metallic for pallet trucks, electro-welded grids, etc.)



Applications

The use of a manual loading system with raised corridors is indicated when it is necessary to increase installation performance if the volume of the premises is sufficient and it is required for warehouse logistics.

It is commonly used in companies that process a large number of references of different shapes and medium and light loads handled using manual and individual access. Owing to the wide variety of parts and accessories and the extensive options for configuration and adaptation to particular uses, the system is suitable for the high-performance picking tasks required by specialist logistics companies and for managing large inventories commonly operated by industrial supply companies, hardware stores, spare parts warehouses and the car industry, etc.



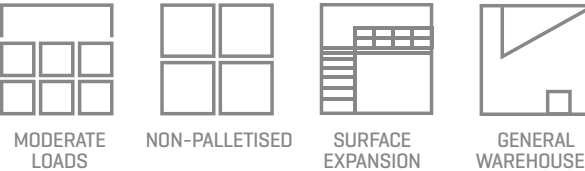
Advantages

- Shelves for manually managed medium loads can have several levels, the main limitation being the height of the premises. The immediate benefit is the full use of the available space and full profitability.
- Like the structural parts of the installation, worker access and safety features are designed according to the particular requirements of each use and the degree of adaptation to each service is maximum.
- The product has been designed and developed according to regulations for the design and use of this type of work equipment and guarantees safe operation of the installation, minimising hazards for both goods and workers.
- To adapt to the company's growth requirements, the flexible and evolutive design of the solution allows for the later addition of extra storage levels as long as the option has been included in the initial calculation. It is a good strategy for making the total investment in various phases.
- The constructive options of the system also enable adaptations, reconfigurations or modifications of the structure if warehouse requirements change.
- As the elements necessary for increasing the height of the basic installation have a low additional cost, high capacity and efficiency can be obtained with a relatively low financial outlay.





MEZZANINE OVER PICKING



Description

This solution has similar characteristics to pallet racking systems with an overhead loft, although the functionality derived from its smaller structural size means it is better suited to more straightforward applications.

An elevated floor, accessed by stairways positioned according to the planned use, is installed over a conventional, manually loaded shelving system and provides an equivalent surface area.

All open areas of the elevated floor are protected with safety guardrails; these can also incorporate different types of door which facilitate forklift truck access and the storage of palletised goods in the loft area.

As with all the systems Estanterías Record designs to increase the walkable surface area, the decking is constructed from materials that fit in with the activity in hand: boards made of different materials and with different finishes, metal coatings, etc., or different types and qualities of metal decking.



Applications

Given the structure supporting the loft is not as strong as the ones used for mezzanines or lofts installed over pallet racking systems, the normal applications for this solution must take into account it has a lower load-bearing capacity.

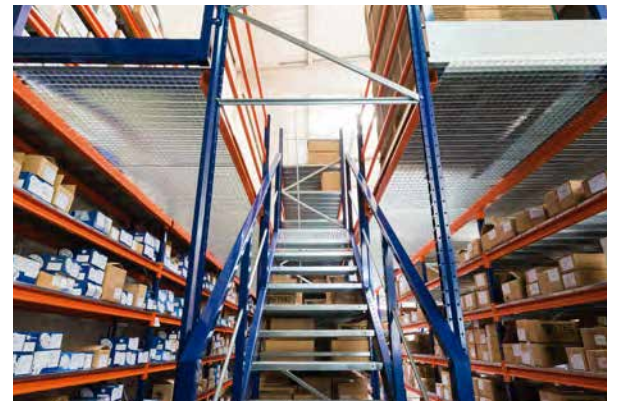
These storage areas are therefore suitable for lightweight facilities, such as small offices or work areas, that respect the underlying structure's load capacities. They can also be used to store bulk materials and products in containers or which are hard to store in shelves due to their awkward dimensions. Furthermore, these lofts are often employed for auxiliary tasks to complement the logistical management of the goods stored in the shelving below.

Finally, lightweight shelving can be installed for less demanding load requirements; however, if warehouse operations call for the same system to be implemented on the upper and lower floors, then the installation of manual loading with elevated aisles is a better, more efficient option.



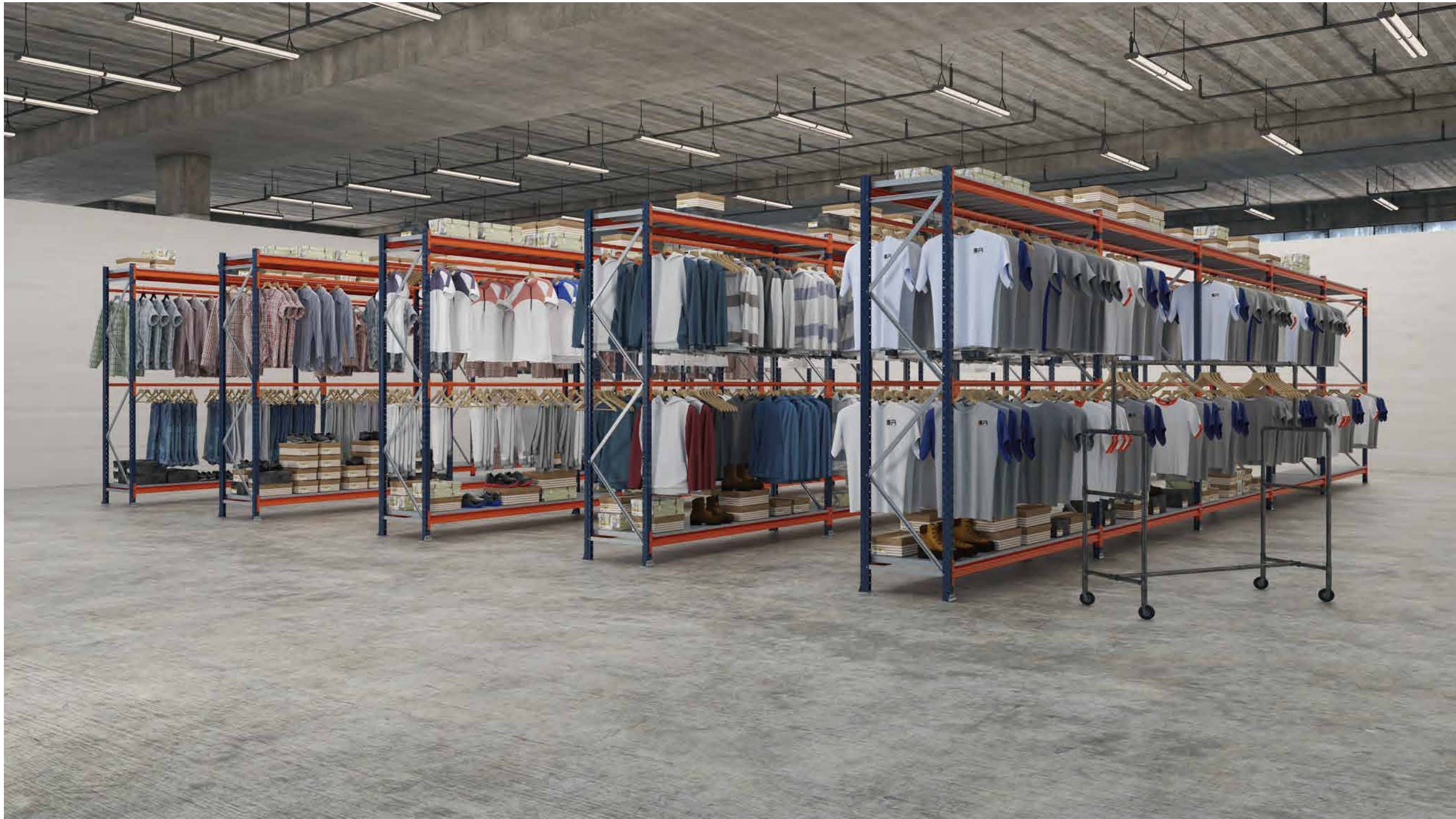
Advantages

- Very low installation and maintenance costs; the initial outlay is recovered almost immediately as the system can be put to various uses that complement the warehouse's equipment.
- It is a very profitable solution for warehouses with low roofs as it effectively provides a useful new intermediate floor without having to assume the considerable cost of buying extra land.
- The overhead loft's design means it can be assembled over the supporting shelving at a later date or, if necessary, the whole solution can be installed in phases so the investment can be spread out to adapt to the company's financial resources.
- Since it follows a configurable and demountable modular design, extending, modifying and customising the system's arrangement and capacity are quick, straightforward tasks that do not require any further investment.
- In terms of its construction, the manually loaded shelving with overhead loft is a simple structural system; this makes it an effective, long-lasting solution as it unlikely to suffer from technical obsolescence and can be used almost indefinitely with very little maintenance.



Productos **10**
Mezzanine over picking



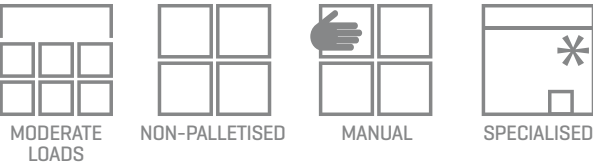


HANGING RACK

Description

This is a constructive variant of the conventional manual loading system for adaptation to the storage of products that are not supported by, but rather hang from the shelf.

The opposing frames are joined by special-design tubular bars as the core element of this storage solution. The surfaces of the load levels are also unnecessary since the items to be stored are not positioned on them.



However, the Hanger structure can be fitted with standard load levels that are ideal for ordinary storage needs, as well as any other accessory in the corresponding system accessories catalogue. The design of the construction and type of distribution of bodies, lines and corridors coincide with it.



Applications

Estanterías Record not only supplies general developments for use in all kinds of industries or businesses, but also designs vertical solutions for sectors with particular requirements for warehouse management and the handling of very specific products.

The Hanger composition is specially indicated for the specific needs of the textile sector, mainly for the storage and management of garments on hangers.

It is also valid for any type of product that can be hung cumulatively on linear supports using fastening elements so that it adapts to the tubular bars.



Advantages

- The Hanger system is compatible with the full range of elements of the shelf programme for conventional manual loading, which benefits from its flexibility and productivity.
- Accordingly, it is possible to build hangers of several levels connected by ladders for better use of the vertical space in the premises, using the construction elements of the manual loading system with elevated corridors.
- The tubular bar levels readily adapt to the size of the garments and their height can be readjusted quickly as necessary.

- Goods are stored tidily and carefully and, given the high density with which they can be positioned, there is a significant increase in the performance and productivity of the solution.
- Access to the product is selective and direct, enabling organized management and optimal control of inventories.



TYRE RACKS



Description

The conventional manual loading system has multiple options for technical adaptation to specific storage requirements for very specific goods. In this case, the surfaces of the load levels are dispensed with entirely to support the products directly on each pair of bars at the same level.

Tyre stocks are much more efficient when positioned vertically with two points of support on the front and rear bars; in this way, the load is more compact if the heights of the levels are correctly distributed. The goods can also be positioned horizontally on any of the different optional surfaces in the range of the generic programme but, in this specific case, besides being more expensive, space is wasted and access to the product units located at the base of each pile is more difficult because those stacked above have to be moved.



Applications

The applications of this type of shelf are very specific because it is designed for companies that handle large stocks of tyres of different types and sizes.

The system can be structured to fit exactly to the formats used, adapting the width and height of the structures, the separation of the levels and the length of the bars; furthermore, the linear modules must be arranged in double-body configurations. These dimensions maximize load capacity and the total number of references stored.

Apart from the aforementioned products, this solution is valid for goods of similar formats, such as wheel-trims and coils or rolls of different materials, etc.

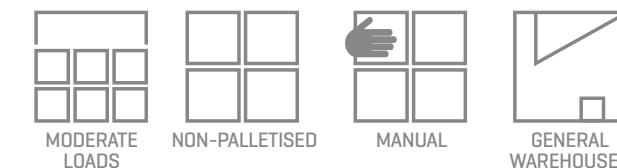


Advantages

- In warehouses that need to take advantage of the height of the premises, tyres shelves are normally configured with several levels. The upper levels are accessed by ladders connecting the different levels. Practical storage bays can also be used for forklift trucks by means of access doors on the safety rails.
- When the tyres are positioned vertically and in order, each reference is controlled individually to enable productive and organized stock management.
- As with all medium load solutions, it is possible to combine tyre shelf alignments or bodies in the same installation with ordinary shelves for the generic storage of any product of moderate weight and manual management.
- The vertical solutions developed by Estanterías Record for specific industries and products also comply with all European regulatory standards on design and technical calculation in all formats.



BRICORD RACK



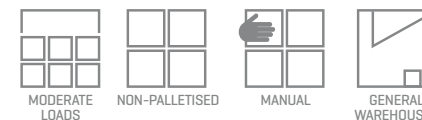
Description

This is an elaborately designed shelf model, suitable for the manual management of medium loads in different formats. It has been developed exclusively by Estanterías Record and combines a considerable load-bearing capacity with a very aesthetic design.

Like the conventional manual loading system, its basic components are the racks and load levels, which are made up of bars and the various optional surfaces that can be positioned on them. However, as this product line has a different focus, its construction elements have a different design and are not compatible with the aforementioned system.

The racks are not assembled using lattice bracings, but rather with cross-sections, and the visible side of the struts of the racks is completely flat and has no drill holes. The bars, whose visible side is also flat, have special end connectors which, when fixed to the struts on the inside, hide the coupling between both parts almost entirely, giving the lines a remarkably clean appearance.

Finally, the load levels are fitted with melamine chipboard or metal panels, depending on planned use.



Applications

The structural components of the Bricord series do not offer different dimensional options according to load requirements. All in all, the heavy-duty design ensures high performance for a wide selection of mid-range weights, very similar to the basic options of the conventional shelving programme for manual loading.

As a result, it can be used in a large number of practical applications, limited only by the smaller range of accessories. However, given the varying sizes of the parts, systems can be configured for a considerable range of specifications and uses.

As one of the main benefits is its aesthetic appearance, Bricord shelves are highly demanded in businesses in which the general appearance of the work area is important or when it is visible to the general public. For this reason, they are frequently used in shops, offices and retail establishments, etc. to store a wide variety of goods.

Thanks to its high performance, the Bricord programme is a very efficient solution for intensive use in logistics companies and industries.

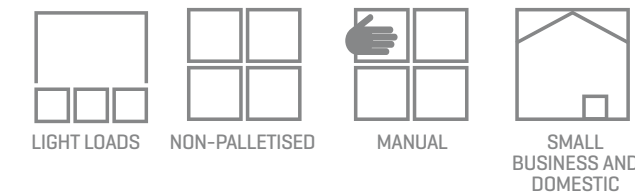


Advantages

- For moderate manual storage needs, the result obtained is similar to the performance of the conventional medium-load system, but it is slightly cheaper.
- As it has been designed with a simple construction system, assembly is very easy and quick. The composition of the racks (with cross-sections only) greatly reduces the use of nuts and bolts.
- Thanks to its design and functionality, it can be integrated in any type of scenario with a focus on production in industrial, professional or domestic settings.
- It fills an important market niche that requires a solution capable of responding to demanding needs while offering an attractive appearance.
- For smaller load requirements, there is an option for dispensing with the bars and surfaces of the levels, replacing them with metal panels attached directly to the racks. In this case, the shelving is held in place by diagonal braces to reinforce stability.



LIGHT DUTY RACKS | MODULAR KITS



Description

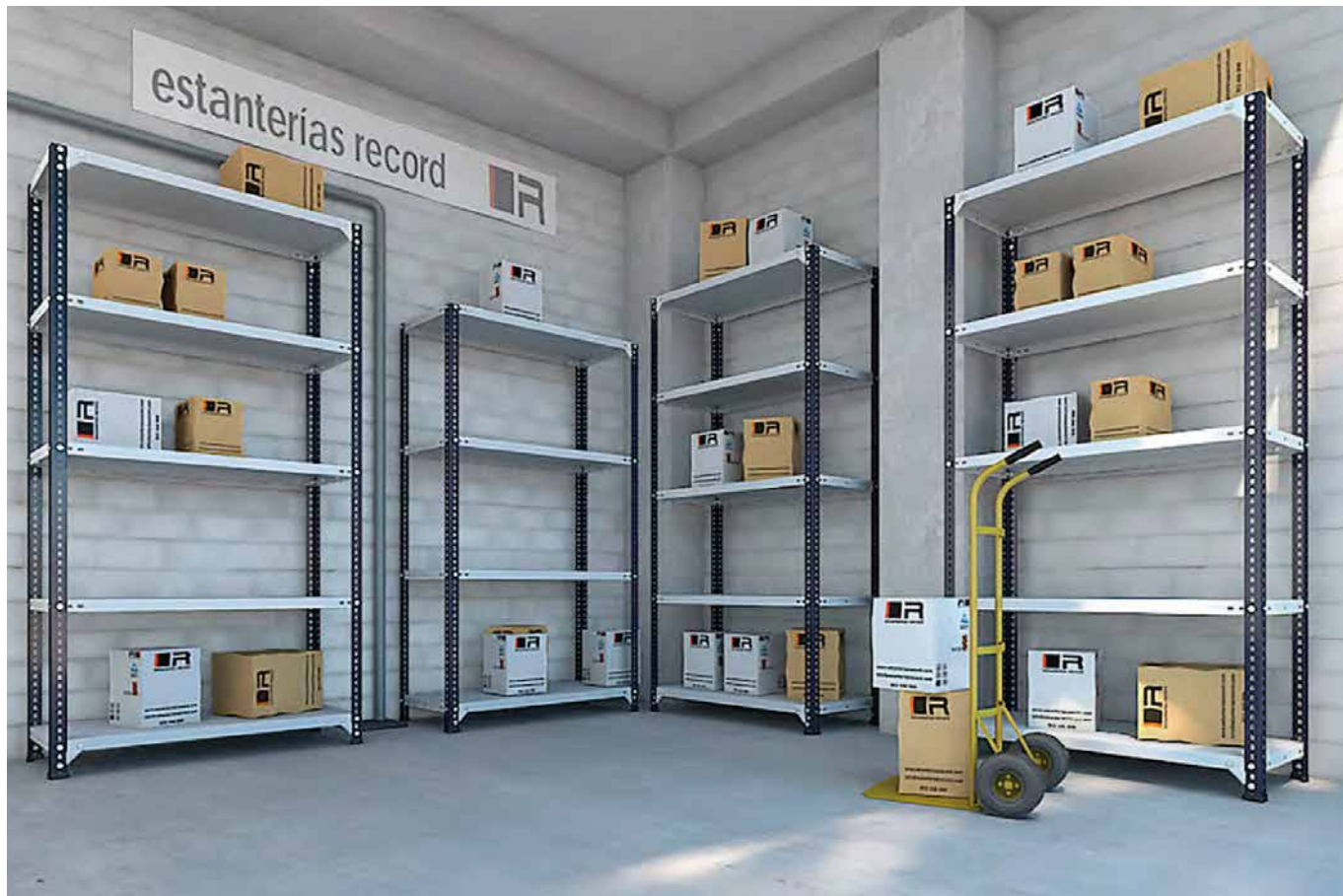
This is the simplest concept of light shelving and the most common thanks to its versatility and low cost. It is also one of the longest-standing classic designs and is extremely common on the market.

It is a basic composition of shelves fastened by nuts and bolts to vertical sections positioned at right angles and drilled along their entire length; these holes make it possible to adjust the height of the levels by 2.5 cm at a time.

They can be extended to increase the shelf longitudinally by coupling several modules together in single or double lines according to storage requirements.

Owing to the continuous slotted design of the vertical sections, the product supports multiple construction options and the installation of various accessories to increase utility.

Based on the construction of this system, kits of different dimensions and finishes have been put together in compact individual packages. They are independent modules with a lighter general appearance and lower bearing capacity. It is a simple, cheap and very practical option that adapts to all uses and environments, combining high manufacturing quality and finishes with neat and attractive aesthetics.



Applications

The conventional slot system is highly flexible in terms of use and can be used for a wide range of applications thanks to the options for construction materials and finishes and the wide selection of accessories.

The shelves come in various sizes and are made of galvanized steel or painted in various colours; the shelves can also be supplied in stainless steel with a polished finish for more specialized uses in sanitized environments, such as the health sector or food or catering businesses.

The shelves can also be fitted with removable, guided metal drawers or stackable plastic drawers for storing loose pieces. There is also an option for vertical separators or compartment systems for bulk material. Side and rear closures can also be fitted to separate individual modules and prevent products from being mixed together, etc.

Finally, the basic components can be used to build not only shelves, but also structures such as benches, counters, display cases, bookshelves and desks, etc.

All this makes it a very versatile solution for a wide variety of applications and suitable for any industrial scenario or commercial or domestic environment.

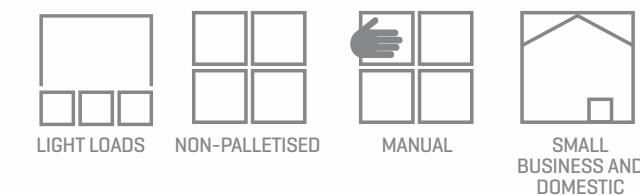


Advantages

- It is a simple and very cheap solution. Its performance-price ratio is unbeatable, making it one of the most interesting options in the market for a wide variety of uses.
- Assembly is very simple and quick without the need for special tools. The shelves can also be fully disassembled, reconfigured and extended.
- The materials and finishes are of excellent quality and, together with the effective construction system and optional stabilisation elements, such as brackets, omegas and longitudinal reinforcements, etc., it is very stable, resistant and safe for heavy loads.
- It can be constantly adapted to new features since all the elements and accessories can be combined to cover any unforeseen requirement, including the most peculiar.
- The low acquisition and maintenance cost, many uses available, high versatility and adaptability to changing needs and extraordinary durability make it a very profitable investment in the budgetary range of its segment.



BOOKCASES



Description

This type of shelf consists of an independent modular body composed of a set of shelves joined to two vertical side panels and one rear panel, acting as closures, forming a compact structure accessible only from the front.

The side panels have longitudinal angles along their edges, drilled along their entire length for the screw-less coupling system of the central shelves. The upper and lower shelves are fastened by screws to reinforce the stability of the unit.

The rear panel is positioned between the shelves and the longitudinal edge of the side panels. It gives the unit excellent aesthetics and compactness, preventing the items positioned on the shelf from moving or falling behind it.

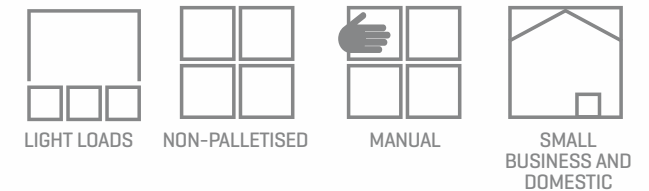
Its detailed design, the quality of the steel used in its construction and the good surface finish of the paint treatment give it an attractive visual appearance.

BOOKCASES

Description

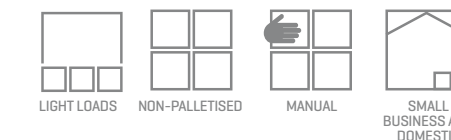
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Its detailed design, the quality of the steel used in its construction and the good surface finish of the paint treatment give it an attractive visual appearance.



Applications

This solution is primarily for the tidy and accessible storage and handling of any type of documentation, filing boxes, classifiers and books, etc. As a result, it is usually installed in filing rooms, offices and registries, etc. It is designed for clear positioning of the items on the shelves.

It can also be adapted to any use requiring the management of light goods or loads when exclusive access from the front is not an inconvenience.

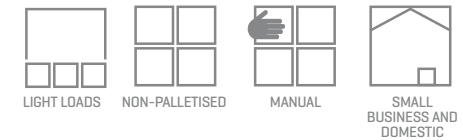
Owing to its design and finish, it is frequently used in areas where aesthetics are important. Accordingly, it is widely used in shops, professional studios and even in the home; it is also very common for them to be installed in work spaces visible to the general public.



Advantages

- The effective system for fastening the shelves in place using a small clamp provides great flexibility for quickly and easily adjusting the spaces between the levels for items of different sizes.
- Assembly is quick and simple thanks to the simplicity of the construction system. However, the rigidity of the shelving is guaranteed for the loads to be supported and the intended use.
- The shelves offer an unbeatable price-quality ratio and their practicality and versatility make it easy to obtain high performance with a modest investment.
- The need for maintenance is almost zero and their service life is almost indefinite provided they are used in accordance with their design and not exposed to environments harmful to their conservation.





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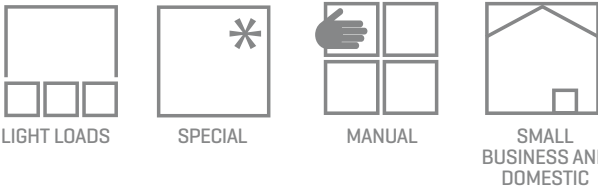


LOCKERS

Description

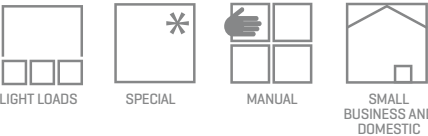
Our lockers line offers a full range of multi-purpose lockers with different configurations and capacities; their constructive specifications and careful finish make them ideal for the widest variety of uses.

They come in several widths and two configurations, with and without legs, as well as a series of accessories that add to their usefulness; the formats of one, two or four doors, depending on whether they are to be used as wardrobes, lockers or for left luggage, respectively, can be adapted to different requirements.



Their modular design offers multiple combination options, based on the initial block, to adapt the lockers to different spaces and increase their usefulness.

The high-quality materials and finishes, together with the screw-less assembly system, affords excellent aesthetics, high structural solidity and unbeatable durability.



Applications

The wardrobes, lockers and left-luggage lockers of the modular lockers programme by Estanterías Record are ideal for a wide variety of situations and circumstances: in areas for storing all kinds of objects under lock and key to access special or restricted areas; in work environments where employees need to change clothing and equipment; in sports clubs, gyms, leisure centres, schools and educational establishments, etc. as lockers; and in facilities where personal belongings need to be kept under lock and key, such as left luggage and other deposits, etc. In any case, the attractive design and perfect finish make the lockers suitable for any location in private and public facilities and areas.

The range of accessories increases their usefulness: inclined tops for better cleaning and to prevent objects from being deposited, interior separations to distribute the space adequately, special locks to guarantee privacy and security, hanger rails and identification systems, etc.

Heavy-duty auxiliary benches are also available to complete the lockers line and improve the usability of the lockers themselves as and when necessary.



Advantages

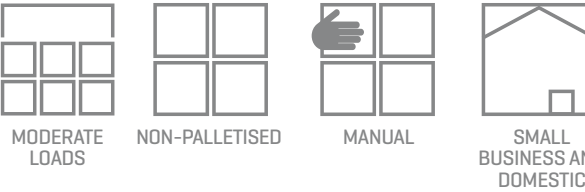
- The assembly uses a screw-less fastening and fitting system and is extremely simple and effective and the use of tools is not necessary.
- The lockers are very solid and compact; their effective design offers an attractive appearance and a solid structure for intensive, continued use in any situation.
- The range of accessories complement the excellent adaptability to various applications and requirements.
- The modular structure enables a quick re-adaptation of the bodies to optional combinations if requirements change thanks to the interchangeability of the one-, two- and four-door formats.





SINcord Basic

Screwless



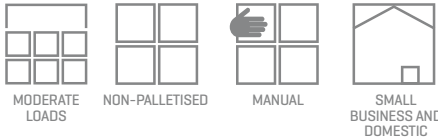
Description

Modular shelf unit with an effective system for coupling crossbars and sections that does not require screws. The fastening system is very stable and safe and fitted on the inner face of the section, making the structure stable and offering a large load capacity.

The shelf unit has four angular sections to which the same number of pairs of crossbars and shelves can be fitted. The upper and lower levels are completed with two crossbars each for structural stability.

Different types of surfaces can be placed on the crossbars: natural or melamine-finish agglomerate boards and galvanized or painted metal panels; in conjunction with the overall size of the unit, the type of material chosen influences load capacity.

It is designed for individual use but, for larger storage requirements, it can be installed in single or double lines of shelves by repeating single modules.



Advantages

- Thanks to its screwless assembly method, assembly is very quick and simple.
- The vertical sections have drill-holes along their entire length for easy adjustment of levels every 2.5 cm.
- The SINcord Basic line is compatible with shelves in the Conventional Slotted and Bricord family, making the range more versatile in terms of the finishes and resistances available.
- In order to increase its practical versatility, the SINcord Basic shelves have been designed in various sizes as a "modular kit" supplied in individual packs for better handling.



Applications

The SINcord Basic shelf unit has a simple, efficient and very heavy-duty design and is suitable for large light and moderate load requirements.

Its applications are very numerous and varied; given its careful design and practicality, it can be adapted to any type of domestic or professional work environment or area.

Despite its simplicity and so design, this solution has a resistance and stability superior to many models that use a nuts-and-bolts assembly system, increasing usefulness even more.

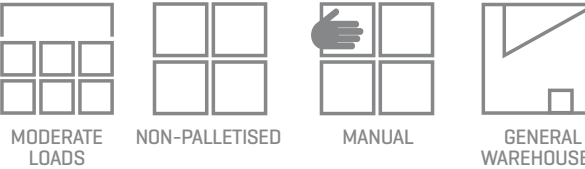
The different types of surface finishes of the actual shelves increase the practical alternatives available according to requirements of use.





SINcord PLUS+

Screwless



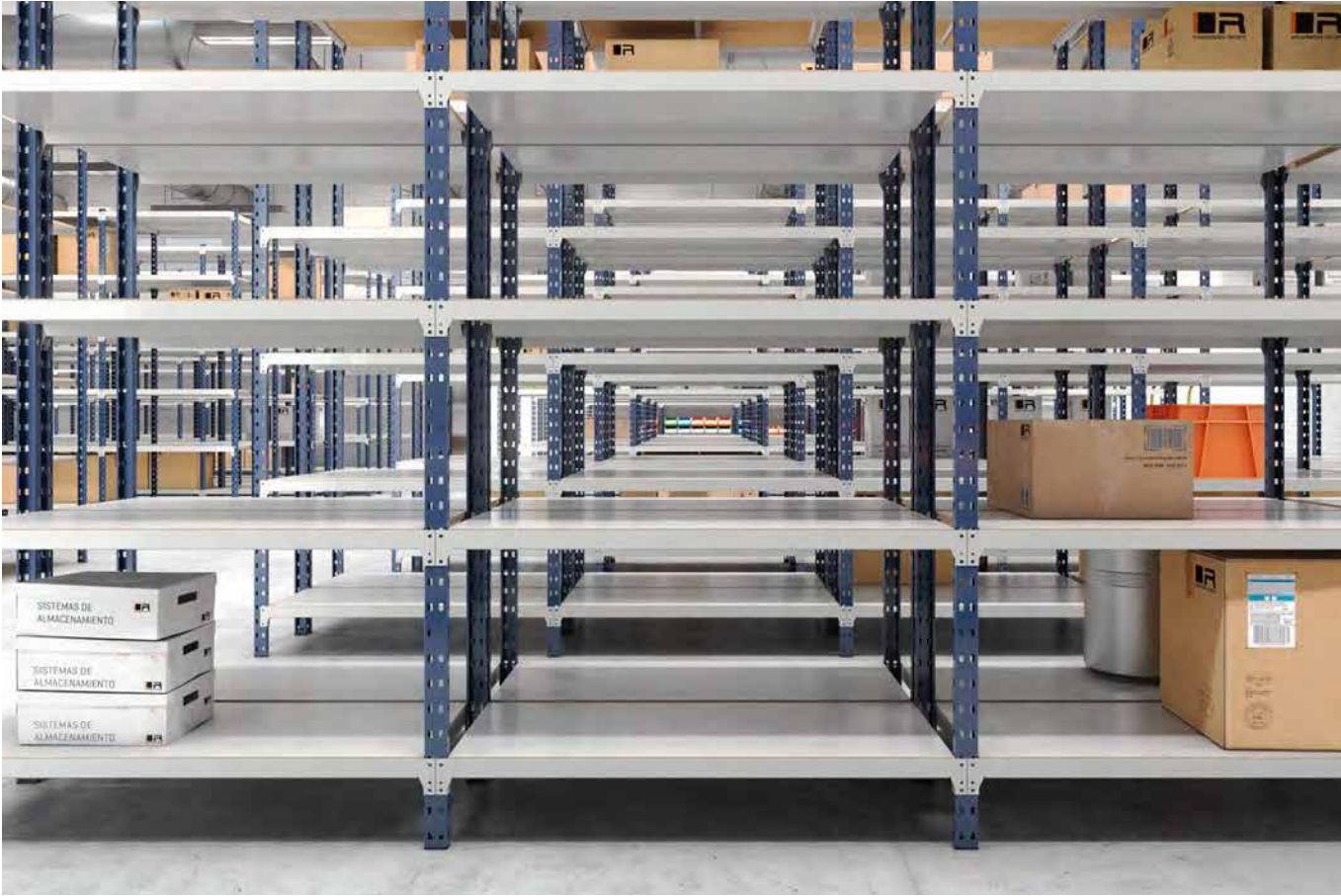
Description

Modular shelf unit with an effective interlocking system for coupling uprights and crossbars that does not require the use of screws. The fastening system of the crossbars is very stable and safe and fitted on the outer face of the upright, making the structure very stable and giving it a remarkable load capacity for more flexible construction options when expanding the unit vertically and horizontally.

The ‘starter’ shelf unit has four vertical uprights to which the same number of pairs of crossbars and shelves can be fitted. The upper and lower levels are completed with two crossbars each for structural stability. Crossbars can also be fitted at middle levels to increase the rigidity of the shelf unit.

Different types of surfaces can be placed on the crossbars: natural or melamine-finish agglomerate boards and, as an option, galvanized or painted metal panels; in conjunction with the overall size of the unit, the type of material chosen influences load capacity.

Pairs of uprights can also be added with their respective beams and crossbars to extend the ‘starter’ shelf unit using additional modules and forming single or double lines of the required length. However, although it is designed as an "expandable" product, it can also be used in individual modules.



Applications

The SINcord Plus shelf unit has a simple, efficient and very firm design and is suitable for large moderate load requirements.

Given its greater resistance and variety in terms of accessories, high shelf units or raised corridors can be built as an option. It is a response to more demanding storage requirements than those covered by the SINcord Basic line and, thanks to its design, it is ideal for professional and industrial working environments and warehouses.

The different types of surface finishes of the actual shelves increase the practical alternatives available according to requirements of use. Together with the size of the unit, these materials must be chosen correctly for the corresponding load capacity and use.



Advantages

- Thanks to its screwless assembly method, assembly is very quick and simple.
- The vertical sections have drill-holes along their entire length for easy adjustment of levels every 2.5 cm.
- The SINcord Basic line is compatible with shelves in the Conventional Slotted and Bricord family, making the range more versatile in terms of the finishes and resistances available.
- In order to increase its practical versatility, the SINcord Basic shelves have been designed in various sizes as a "modular kit" supplied in individual packs for better handling.





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