KIMER

We create space

Since 1963

Pallet Racking

Pallet Racking

Description

Kimer pallet racking systems are the universal storage solution for palletized goods, designed to **provide direct and individual access to each load.**

They are made from **high-quality steel** (with a high yield strength), which gives them excellent resistance. In addition, they allow for easy and simple **stock control.**

The main function of this system is the **storage of palletized loads**, but it stands out for its **versatility**, as it can be combined with accessories and components to effectively meet the needs of any warehouse.

Advantages

Easy access: Direct and quick access to each pallet.

Very competitive cost per pallet.

Low maintenance and installation cost.

Adaptability: Simple assembly allows changes in beam levels expansion or relocation according to the client's needs. (Restrictions from maximum upright and beams loads need to be taken into consideration.)

Flexibility: The system can be easily expanded.

High load capacity.

Product tested by the Polytechnic University of Valencia.

Complies with FEM and EN standards.
Widest variety of frames and beams in the European market.

Applications

Areas dedicated to the storage of palletized products with a large number of references.

Compatible with Euro pallets, American pallets, and even containers.

Ideal for warehouses requiring strict stock control, thanks to easy visibility and identification—each slot corresponds to one pallet.

Storage of goods with different shapes and sizes. Possibility of combining lower levels for picking with upper levels for pallet storage.

Pallet Racking

KIMER STANDARD FNISH
Galvanized frames and beams painted in orange RAL 2004.

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Since 1963

YOUR BEST CHOICE

KIMER ADVANTAGES

1 2 3 4 5 6

1 Asymmetrical perforation

Greater distance between primary holes of the joint of beam-upright gives Kimer uprights **higher strength.**

2 Crossbeams

Optimized to distribute loads most efficiently: the distance between crossbeams is smaller in the first section to compensate for the higher load accumulation at the base of the upright.

3 Beams

Multiple weld points joining the two C-sections of the beam. In tubular beams the bottom part is reinforced with welding points and bends. **These welds help extend the product's lifespan and protect the area of the beam that has no paint.**

4 Steel

Kimer uprights are made from high-quality S-355 steel (high yield strength).

5 Connectors

Kimer beam connectors are larger than the market average, allowing for more uniform load distribution from the beam to the upright.

- 4 hooks: **220mm**
- 5 hooks: **270mm**

6 Range

Kimer offers the widest range of frames and beams in the market, providing 22 different beam models and 15 upright models.

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KIMER STANDARD PAINTED
Uprights in blue RAL 5003 and beams in orange RAL 2004.

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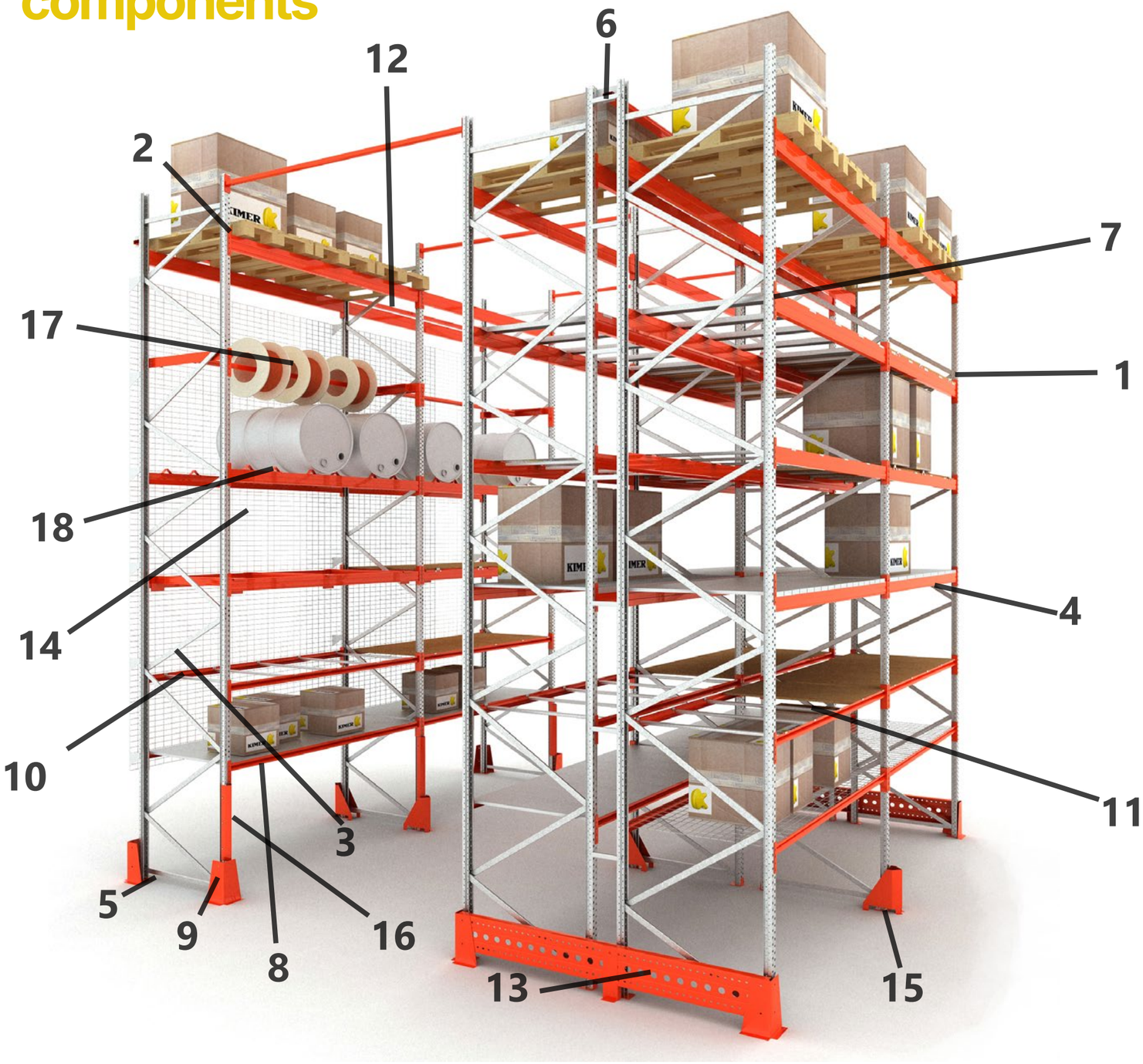
System components



1	FRAME	2	UPRIGHT
3	BRACES	4	BEAM
5	BASE PLATE	6	SPACER
7	SAFETY PIN	8	PICKING LEVEL
9	ANCHORS	10	DOUBLE U REINFORCEMENT
11	TAM REINFORCEMENT	12	PALLET STOPPER
13	SIDE PROTECTOR	14	MESH BACK
15	UPRIGHT PROTECTOR	16	UPRIGHT REINFORCEMENT
17	REEL HOLDER	18	DRUM HOLDER

R&D DEPARTMENT

Kimer works with the most advanced engineering load calculation tools on the market, enabling us to meet the most specific storage needs. Our R&D team will develop the right solution for any warehouse requirements.

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Frames

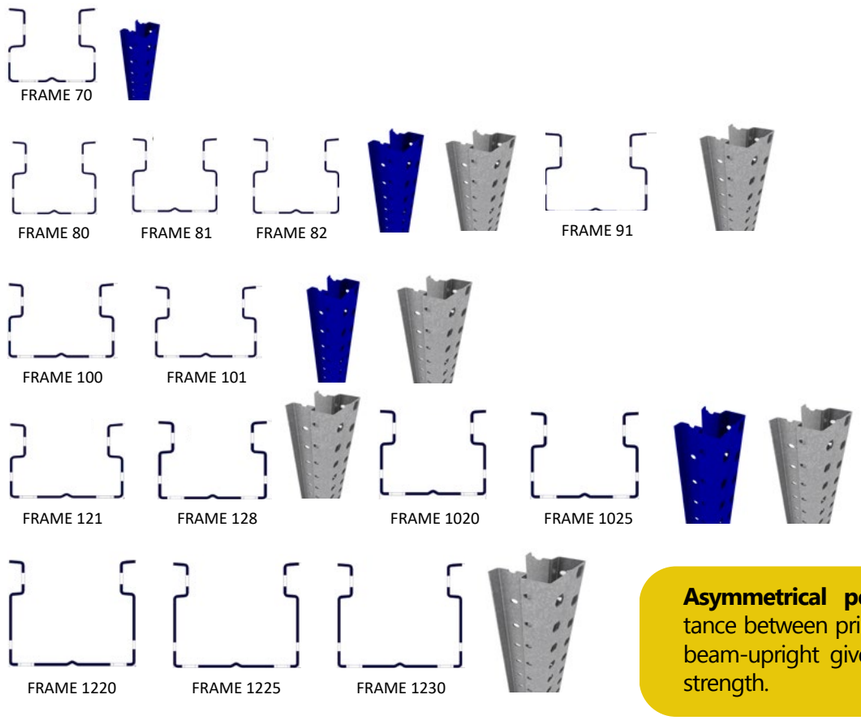
Consisting of two uprights, braces, and their bolts. The frame depth is determined by the dimensions of the goods to be stored.

Uprights

Cold-rolled steel profiles with 50 mm hole spacing. They allow the fitting of beams and are anchored to the floor via baseplates.

LOAD CAPACITY: 7.000 KG - 36.000 KG.
HEIGHT: From 2 meters up to 12 meters in one unique piece.

Frame models:



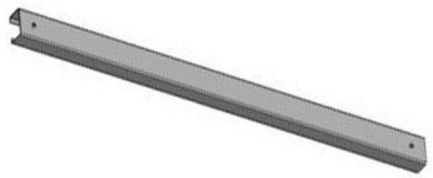
Asymmetrical perforation: Greater distance between primary holes of the joint of beam-upright gives Kimer uprights higher strength.

Braces

Kimer offers five different models of braces, designed and calculated to efficiently adapt to the loads of various upright models.

Kimer frames have more braces at the bottom, where the loads accumulate most. The distance between braces is greater at the top to better distribute forces while maintaining safety.

This arrangement also helps reduce the self-weight of the rack, which must be considered in structural calculations.
Braces models can be specifically calculated for



Braces models can specifically calculated for special requirements such as wind, snow and seismic forces.

FRAME DEPTHS	800	900	1000	1100	1200

Standard measurements in millimeters.

A cross-configuration can be implemented to provide greater system stability.

Beams

Horizontal elements installed between two frames that form the load levels. **Their main function is to support the weight of the goods.** They are attached to the uprights via connectors located at both ends of the beam.

Kimer offers a wide range of beams, grouped into three main categories:

Tube beams
Made from tubular-shaped steel profiles and welded to the connectors using robotic welding. Our welding is supervised by special welding cameras that automatically adapt to assure the best welding quality.

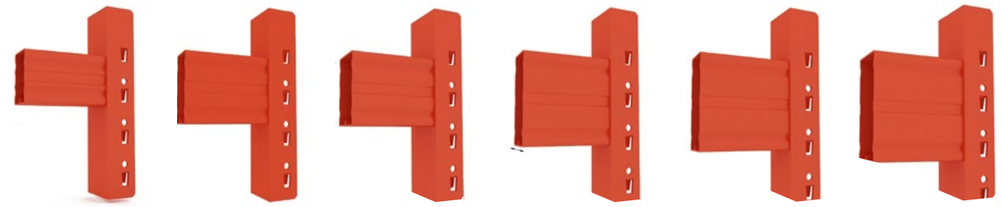
2C beams
Formed by two interlocked C-shaped steel profiles, also welded to the connectors using robotic welding. Our welding is supervised by special welding cameras that automatically adapt to assure the best welding quality.

Longspan beams
Designed to hold shelves or boards where goods are placed. They feature a raised top edge that serves as a stopper for the shelf or board. Depending on the load, Kimer offers the ZM, 73 Stepped, and 104 Stepped beam models. Tube and 2C beams can also be used as longspan levels using chipboard with retainers of wire-mesh.

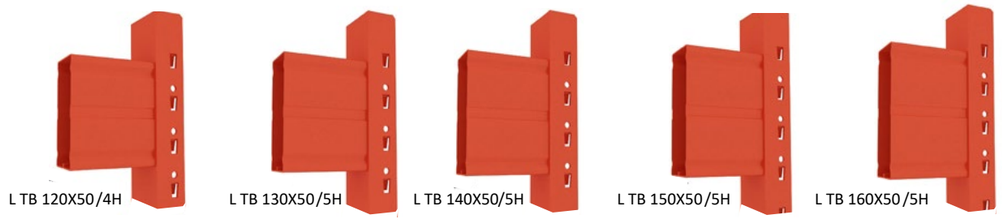
2C BEAM TUBE BEAM

LONGSPAN BEAM

Tube beams

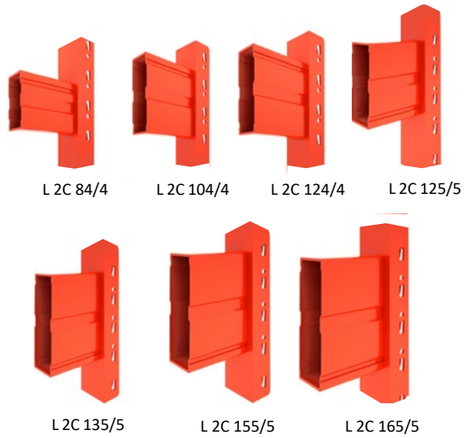


L TB 60X40/4H L TB 80X40 /4H L TB 80X50 /4H L TB 100X40 /4H L TB 100X50 /4H L TB 110X50 /4H



L TB 120X50/4H L TB 130X50/5H L TB 140X50/5H L TB 150X50/5H L TB 160X50/5H

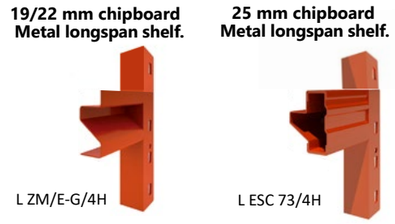
2C Beams



L 2C 84/4 L 2C 104/4 L 2C 124/4 L 2C 125/5

L 2C 135/5 L 2C 155/5 L 2C 165/5

Longspan beams

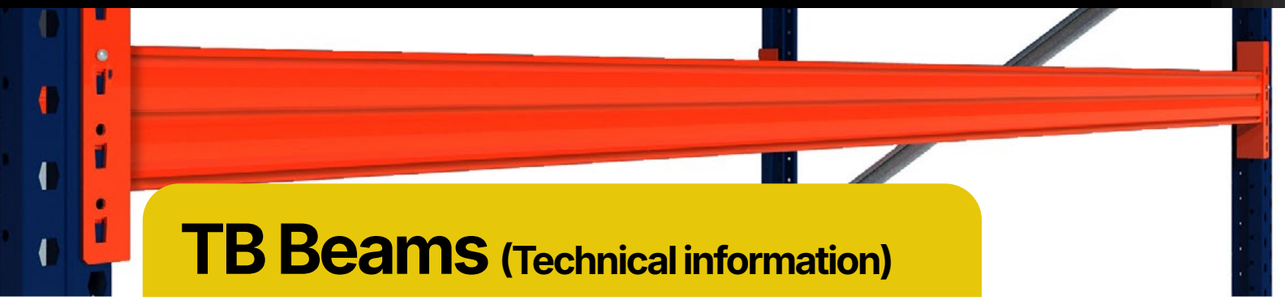


19/22 mm chipboard Metal longspan shelf. L ZM/E-G/4H

25 mm chipboard Metal longspan shelf. L ESC 73/4H

104 STEPPED BEAM
Can be used for both picking levels and pallets.

L ESC 104/4H



TB Beams (Technical information)

LENGTHS	1.35	1.50	1.85	2.25	2.40	2.70	3.30	3.60

Lengths are provided in meters. Standard lengths available; for other sizes, please consult us.

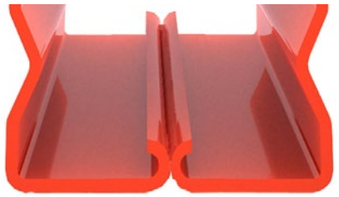
TB beams feature **16 folds**, including a double central bend specifically designed to prevent potential deformations.

Kimer applies a high number of welds along the length of the beam (bottom part): **4 welds** for lengths up to 2.7 meters. **8 welds** for lengths of 3.3 and 3.6 meters.

This higher number of welds ensures that both sides remain tightly joined, helping preserve the **beam's original load capacity** for a longer period.

Additionally, this prevents any separation that could expose unpainted steel to the environment, protecting the structure from **oxidation.**

Highly compact profile with up to 8 welding points.



Kimer uses high-precision robotic welding systems with welding camaras to assure maximum quality.

BEAM WIDTH	NUMBER OF CONNECTOR CLAWS
60 - 120 mm	4 Hooks
130 - 160 mm	5 Hooks

2C Beams (Technical information)

LENGTHS	1.35	1.50	1.85	2.40	2.70	2.80	3.30	3.60	3.90

Lengths are provided in meters. Standard lengths available; for other sizes, please consult us.

NUMBER OF WELDING POINTS

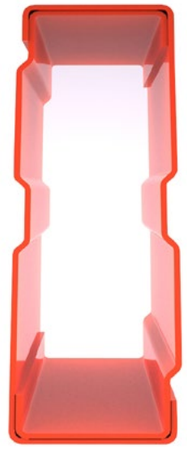
BEAM LENGTH	NUMBER OF WELDS
1350mm - 2250mm	2
2250mm - 2700mm	3
2700mm - 3600mm	4
3600mm - 3900mm	5

Kimer uses intermediate welds in its double-C beams.

This prevents any separation of the profiles, ensuring **the load capacity is maintained longer** and unpainted surfaces are not exposed, **thereby avoiding oxidation.**

CONNECTORS

BEAM MODEL	NUMBER OF CONNECTOR CLAWS
84 - 124	4 Hooks
125 - 165	5 Hooks



FOLDS

2C beams are made of two interlocked C-shaped steel profiles. This design provides **double thickness** at the top and bottom.

These beams are ideal for loads **over 3.3 tons on a 2.7-meter span**, and especially suited for **lengths of 3.3m, 3.6m and above**.

Structural beams

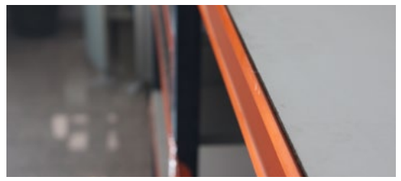
Special beams designed for **very high load capacities or large spans.**

Kimer's in-house R&D +i department develops custom projects that require structural IPE beams.

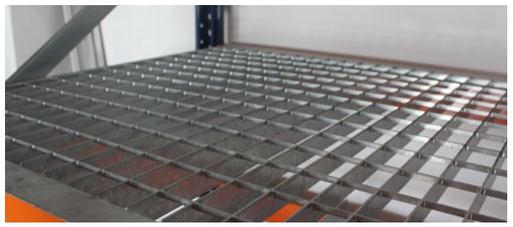
Picking levels

Optimize your installation by placing picking levels at the bottom.

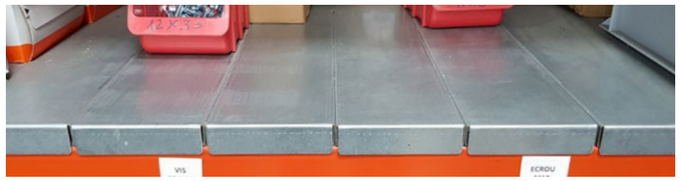
Board (z-73/z-104 stepped or with stopper)

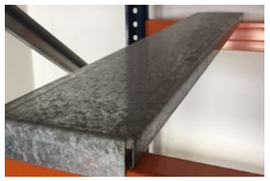


Gratings



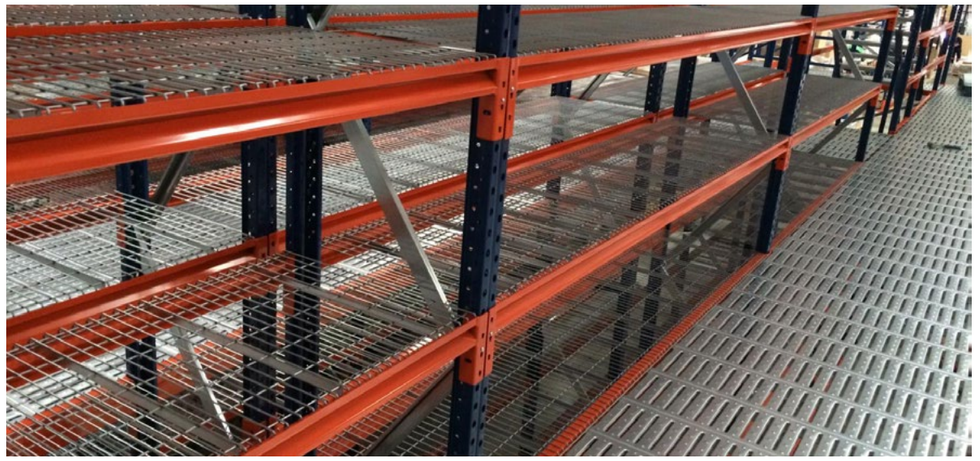
Pallet shelf (with 2C Beams and TB)





Kimer longspan metal shelf (z-73/z-104 stepped)

Wire mesh decking



Frame base

The base's main function is **to transfer the frame's load to the ground and to prevent any movement of the structure**. KIMER offers 3 different type of baseplate for each upright model to adapt efficiently to all load requirements. In addition special baseplates can be manufactured.

Kimer offers two finish options:
-Painted
-Hot-dip galvanized.

Anchors

Anchors secure the racking system to the floor. The number and size of anchors used depends on the load requirements. KIMER only uses CE individually tested anchors.

KIMER RECOMMENDATION: EMBEDDED BASE

Greater safety
Fully inserted into the upright, ensuring optimal stability.

Better use of storage space
With the upright's front face exposed, the first storage level can be positioned closer to the ground.

Improved impact resistance
The upright does not twist thanks to front and rear anchoring.

Kimer – Always on the side of safety CE

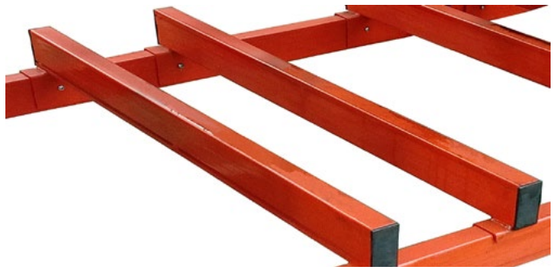
All Kimer anchors feature a red mark as proof of individual testing and CE certification.

They are placed between the two beams at each level. They provide an extra level of safety in installations where pallet quality is not very good, anticipating that the pallet may break in the center.

TAM Reinforcement: Available for use in both pallet racking systems and picking systems with decking.

Double U Reinforcement: Offers greater load capacity than the TAM reinforcement.

Beam Reinforcement: Allows lifting of non-palletized loads, enabling forklift forks to enter. They can also be used as pallet support or to place two half-pallets on a single load level.



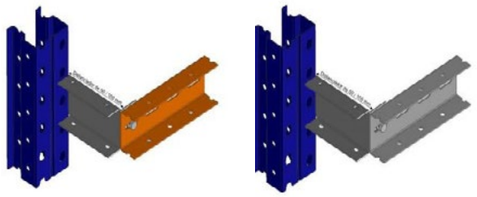
Safety elements

Pallet stop

An additional safety component designed to **prevent pallets from accidentally sliding out of the racking system.**

Kimer offers various models to suit different configurations:

COMPACT BEAM (PAINTED OR GALVANIZED)



2C/TB BEAM

Requires special loading calculation of the frame

CONTINUOUS TUBE

Floor pallet stopper

Its function is to assist in correctly positioning pallets placed directly on the floor.

Protectors

Lateral Protector: Installed at the end/ start of walkways laterlly protecting the depth of the frames or in areas with a high risk of impacts.

Upright Protector:
Made from a 400 mm high bended metal plate, its primary function is to prevent damage from forklift impacts.

Upright Reinforcement:
The ideal solution when upright protection is needed above floor level.

Its V shapes helps to introduce the pallet in the bay in case of impact.

Mesh Back Panel:
Prevents pallets or their loads from falling backwards.

Highly recommended for racking systems located next to working areas.

Special supports

REEL HOLDER **SUPPORT**

A specific accessory designed to adapt Kimer pallet racking systems for the **safe and efficient storage of reels.**

DRUM HOLDER **SUPPORT**

Equipped with two pyramid-shaped metal beams that securely hold drums in place, **preventing any movement during storage.**

Connection systems

Frame Splice Kit

Developed to **join two frames vertically**, allowing the creation of **higher racking system.**

Spacer

A steel component used to brace and stabilize the connection between two parallel frames, **ensuring overall system rigidity.**

Safety pins

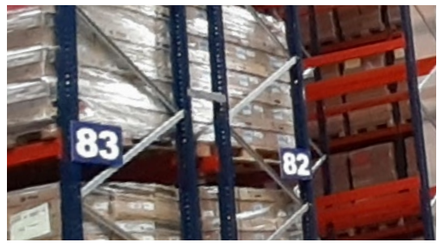
Kimer beam connectors feature **three positions** for inserting safety pins. This enables precise placement and **prevents the pins going out.**
Safety pins secure the beam and prevent that the beams go out due to an accidental impact.

SPACER

Loading identification plates

Identification Plate: A rectangular metal plate placed at the end of the racking unit, positioned according to the **required viewing angle**.

Its main purpose is to display a **numeric or alphabetic label**, helping to **distinguish** between different racks within the same warehouse.



Maximum loading plate: A mandatory rectangular plate included in all racking systems, showing the technical **specifications of the installation.**
It must always be located in a clearly visible area.

This plate also contains the inspection label, which includes the **expiry date** of the last certified technical inspection of the system.

Special bracings

Additional profiles designed to increase the stability of the racking system and its load. They are divided into two types, based on their positioning:

Vertical Bracing: Flat profiles connected to the rear of the frames. They include a tensioner to regulate the tension forces.

Horizontal Bracing: Flat profiles mounted parallel to the floor, also joined to the frames. Equipped with a tensioner to regulate the tension and maintain structural integrity.

Finishes

Painted finish

Kimer uses only high-quality epoxy paint with a glossy finish. We have the most modern machinery to ensure the best corrosion protection, without sacrificing a uniform and aesthetic finish. Our automated robotic tunnels apply the following treatments:

Degreasing.

Phosphating: **Kimer** does not use any polluting elements in this process.

Rinse with running water.

Rinse with demineralized water: Water used in our facilities is treated by reverse osmosis to be reused.

Painting with M-1 fire-retardant paint, in accordance with UNE-23.727-90 standard, applied via electrostatic projection.

Painting is polymerized at high temperature oven for at least 20 minutes.

Technical Performance of the Paint Treatment

Coating thickness: . . . . . > 60 mm
Persoz hardness: . . . . . 220 sec. (INTA 16.02.25)
Adhesion: . . . . . GT-0 (DIN 53151)
Bending resistance: . . . . . 5 mm. (INTA 16.02.46-A)
Corrosion resistance: < 1.5 mm of creep in salt spray chamber (after 125 hours, per side)

KIMER SPECIAL COLOURS
We can adapt to any special requirement from our customer by painting our products in any RAL color available on the market.

Galvanized steel

At Kimer, we use only top-quality materials.
We exclusively use galvanized steel with a **Z275 quality or higher.**

Thanks to this high quality, which contains a higher amount of zinc, our systems do not require any additional treatment to resist oxidation and corrosion under normal indoor conditions.

Hot-Dip galvanizing

This finish is obtained by immersing the part in a bath of molten zinc at a temperature of 440–460°C. This process results in a coating thickness of 65 to 100 microns of zinc across the entire piece.

With this method, the entire component is fully coated in zinc. Kimer recommends this finish as extra protection against oxidation.

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KIMER SPECIAL FINISHES

At **Kimer,** we adapt to our clients' needs. Optionally, **Kimer** can paint your pallet racking system in any RAL colour available on the market.

Specific solutions

KIMER PALLET RACKING SYSTEMS

Kimer offers its clients the expertise of its engineering department, ready to develop customized solutions, combining pallet racking systems with other equipment, accessories, or tools to maximize the performance of each warehouse.

CARTON FLOW AND PALLET RACKING

PICKING AND PALLET RACKING

PALELET RACKING WITH MEZZANINE

SHUTTLE SYSTEMS FOR SHIPS

Double-deep racking system

The ideal layout of a pallet racking system (to achieve maximum theoretical space optimization) is as follows: single-depth racks are placed along the warehouse walls, while double-depth racks are positioned in the central area, with aisles on both sides allowing individual access to each pallet.

ARRANGEMENT OF PALLET RACKING WITH DOUBLE-DEEP SYSTEM

In warehouses where storage space optimization is a priority—and where the characteristics of the load allow—it is possible to implement the **double-deep racking system.**

This system places **two pallet racks** (instead of one) along the side walls of the warehouse and **four in the central areas,** flanked by aisles.

It allows for a significantly **higher number of pallets to be stored**, essentially **doubling the storage capacity,** at the expense of selective access to every pallet.

To access all pallets, a **forklift with telescopic double-deep forks is required.**
Its characteristics make the double-deep system **ideal for storing multiple pallets per reference**, and for companies seeking to **maximize warehouse efficiency.**

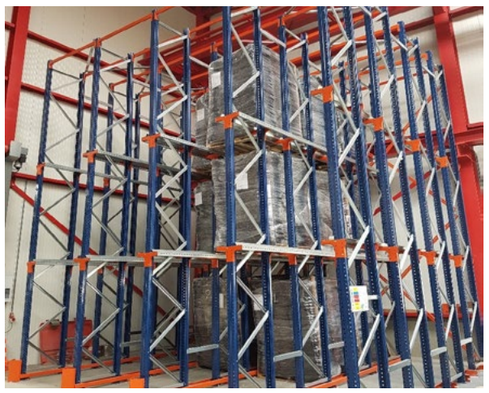
Other palletized storage systems

Drive-in system

System for storing pallets in depth. By eliminating internal access aisles, storage capacity can be increased by up to 80%.

Two versions are available:

Drive-in: Last pallet in is the first out (LIFO).
Drive-through: First pallet in is the first out (FIFO).



Live storage / Push-back

Racking systems equipped with angled rollers that allow pallets to slide from one side of the system to the other in a controlled speed.

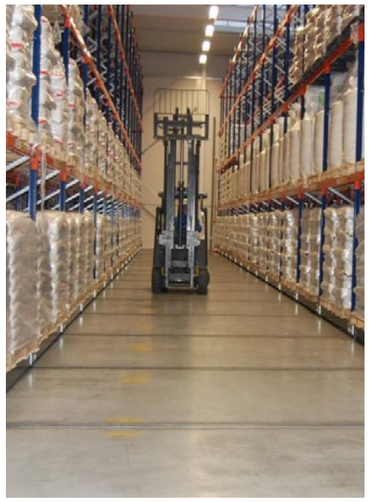
This setup eliminates the need for multiple aisles, increasing the number of pallets that can be stored.

Perfect for operations with large quantities of pallets of the same reference.

Mobile pallet racking

Storage system that eliminates the need for aisles to access each pallet.

The pallet racking is placed on motorized mobile bases that moves automatically. This allows the operator to access the desired aisle in order to retrieve the pallet.


Shuttle

Storage system that efficiently utilizes the available space without compromising quick access to each pallet.

Being an evolutionary and modular system, more machines can be added at any time to increase the pallet movement capacity per day.

A single machine can serve an entire warehouse. Operators only need to move and position the machine, and it will bring the pallet to the beginning of the aisle.


Self-supporting structures

The racking itself is designed to be the structure of the warehouse. **This accelerates the installation time of your new warehouse and reduces costs.**

This system is ideal for combining with stacker cranes or automated guided vehicles (AGVs).

Kimer holds the EN 1090 certification to CE mark your self-supporting warehouse, and has its own engineering team to calculate the structure according to the construction requirements of your area.



Efficient warehouse design

When designing a warehouse, it is important to know what type of machinery will be used. This allows for more efficient design of the aisles and turning radius.

By doing so, we can increase the number of pallets the facility can hold and optimize their placement.

The most common types of machinery are:

STACKERS	REACH TRUCKS	ELECTRIC COUNTERBALANCE TRUCKS	TRILATERAL TURRET	BILATERAL TURRET
				

The most suitable load units for pallet racking systems are pallets and containers. Depending on their characteristics, the storage method may vary. The most common load units are:

- **PALLETS.** 800, 1000 or 1200 x 1200 mm (Handled from the narrowest side possible). With nine blocks and three bottom runners for support.

- **PERIMETER PALLETS.** Similar characteristics to standard pallets, but with a key difference: two additional runners placed on top of the three bottom ones.

- **CONTAINERS.** Mostly metal and available in various shapes; due to this, they may require additional accessories to enable proper storage.

These are the most common types of palletized load units, but not the only ones. If your warehouse requires other types, please don't hesitate to contact us—our engineering team will find the right solution for your needs.

Requirements for a pallet handled from side X

BEAM LENGTH

PALLET X	PALLET Y	BEAM	PALLETS PER LEVEL
800	1200	1850	
1000	1200	2250	
1200	1200	2700	
800	1200	2700	
1000	1200	3300	
1200	1200	3900	

Requirements for a pallet handled from side Y

BEAM LENGTH

PALLET X	PALLET Y	BEAM	PALLETS PER LEVEL
800	1200	2700	
1000	1200		
1200	1200		
800	1200	3900	
1000	1200		
1200	1200		

Frame depth measurements

PALLETS HANDLED FROM THE NARROW SIDE	PALLET DIMENSIONS	PALLETS HANDLED FROM THE WIDE SIDE
D : 1.100	800 X 1200	D : 800
D : 1.100	1000 X 1200	D : 1.000
D : 1.100	1200 X 1200	D : 1.200

D

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Pallet Racking

Aisle height
In the "heights" section, we can distinguish two concepts:

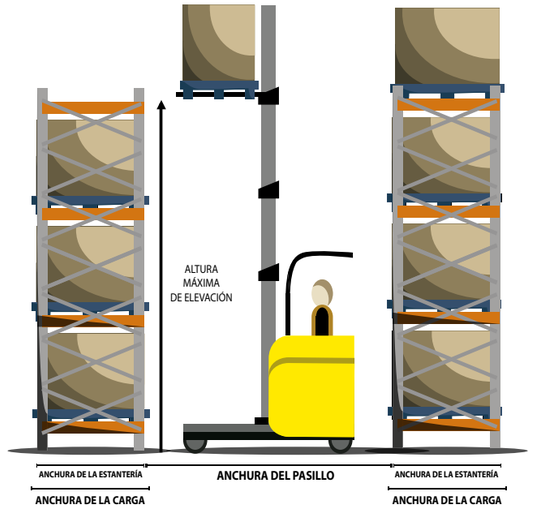
Maximum aisle height:
A length that varies depending on the type of forklift used, according to the following table.

Height between pallet levels:
This is calculated by combining the following elements: pallet height, its load, beam size, and the clearance required for load accessibility (Rounded up to the nearest multiple of 50).

TYPE OF FORKLIFT	MAX. HEIGHT
STACKERS	5200
ELECTRIC COUNTERBALANCE TRUCKS	7000
REACH TRUCKS	12000
BIDIRECTIONAL TURRET TRUCK	13500
TRILATERAL TURRET TRUCK	45000

Clearance
This is the safety distance that specifies the space required between pallets and between each pallet and the upright frame.

Aisle width
Aisle width depends on the width of the forklift to be used. This relationship should be specified in the forklift's technical datasheet. The measurements are obtained using the following table:



The load width is always greater than the rack width, in order to ensure that the load is properly supported on the racking.

NORM EN 15620

CLASS 400 X	CLASS 400 Y	CLASS 300A X	CLASS 300A Y	CLASS 300B X	CLASS 300B Y	LEVEL-TO-LEVEL RANGE
75	75	75	75	75	75	0 ≤ H ≤ 3000
75	100	75	75	75	100	3000 ≤ H ≤ 6000
75	125	75	75	75	125	6000 ≤ H ≤ 9000
100	150	75	75	100	150	9000 ≤ H ≤ 12000
100	150	75	75	100	175	12000 ≤ H ≤ 13000
–	–	75	75	100	175	13000 ≤H ≤15000

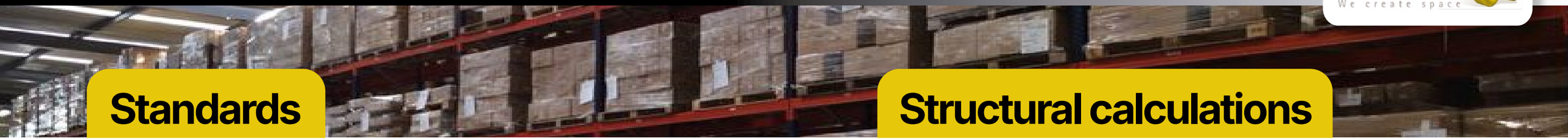
CLASS 400: COUNTERBALANCE AND REACH TRUCKS

CLASS 300A: TRILATERAL TRUCK WITH ON-BOARD OPERATOR

CLASS 300B: TRILATERAL TRUCK WITH WALK-BESIDE OPERATOR

X: MINIMUM PALLET CLEARANCE
Y: HEIGHT OF THE PALLET COMBINED WITH THE LOWER PART OF THE BEAM FOR LEVELS OTHER THAN LEVEL +0

KIMER
We create space



KIMER
We create space

We create space

Standards

Kimer pallet racking systems are the safest on the market, as we apply the most restricted load regulations. Additionally, the main components of our system have been tested in independent laboratories.

EN 15512 Adjustable pallet racking. Structural design principles.

EN 15620 Adjustable pallet racking. Tolerances, deformations, and clearances.

EN 15635 Steel static storage systems. Use and maintenance of storage equipment.

EN 16681 Adjustable pallet racking. Seismic design principles.

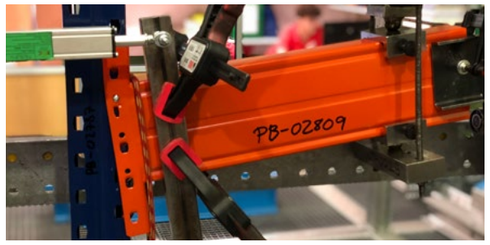
FEM 10.2.16 Design and use of racking protectors for adjustable pallet racking systems.

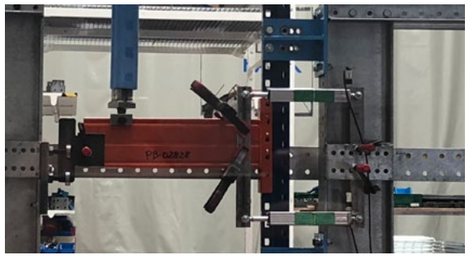
EUROCODE 3 Application and maintenance of storage systems.

UNE-EN 1090

ISO 14001

ISO 9001





TESTS CONDUCTED ON KIMER COMPONENTS

Structural calculations

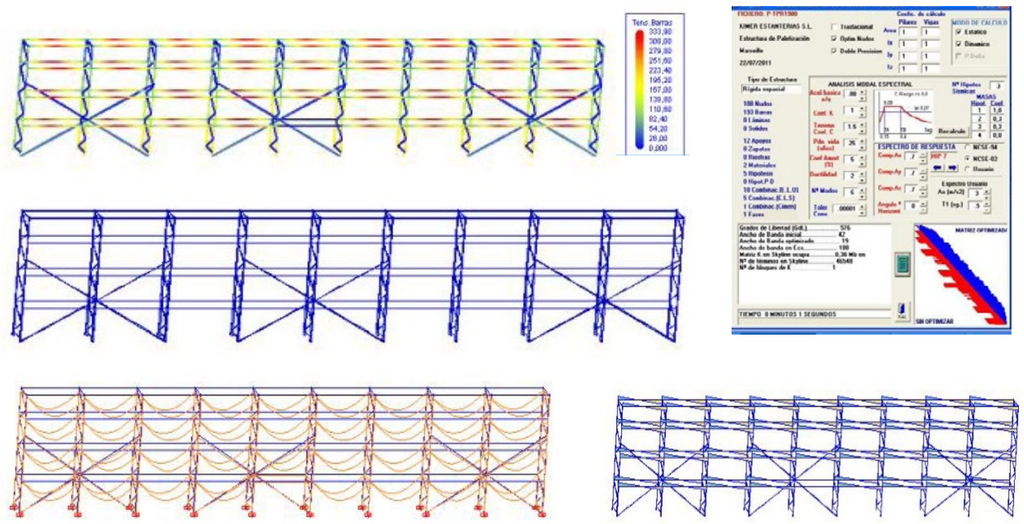
Several factors must be considered in the structural calculation of a pallet racking system to ensure it is 100% safe. This involves both a study of the structure itself and testing of the components and materials used in its manufacturing.

The structural calculation process is mainly divided into two stages:

Structure analysis. This verifies the stability of the installation and its elements, with particular attention to the behaviour of the upright connections (the beam with the upright and the upright with the floor).

Component analysis. In the second phase, each component of the structure is individually verified. Other factors that may affect the structure—such as its own weight or the weight of the load—must also be considered.

The **EN 15512** standard is the primary reference for structural design. It specifies the requirements that must be considered when carrying out structural calculations, standardizes calculation procedures, tolerances, assembly of the racking systems, and the maintenance of the installation.

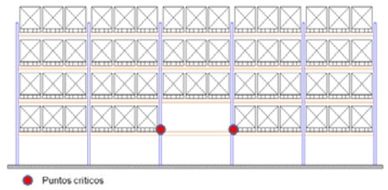


Load hypothesis

There are conditions that can compromise the safety of the installation if they are not taken into account. When calculating all our installations, Kimer considers the most unfavourable load conditions. In this way, **we ensure 100% safe installations.**

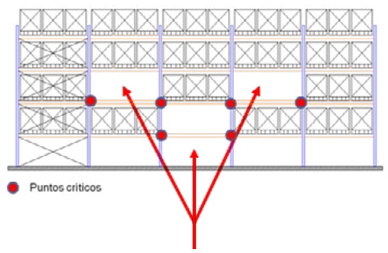
The installation is fully loaded except for the first level of a module located in the middle.

The loads supported by a racking frame are balanced when both sides are loaded. It is also important to highlight that the lower area of the racking is the most critical, as it bears the accumulated weight of all the pallets from the upper levels.



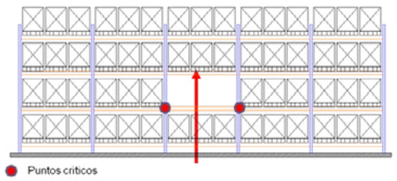
Vertical bracings are installed.

To increase the load capacity of the frames, vertical bracings can be used. Kimer analyses the entire structure, taking into account that the client may not load all levels. In such cases, not only is a lower beam completely unloaded, but the adjacent upper side beams are also unloaded.

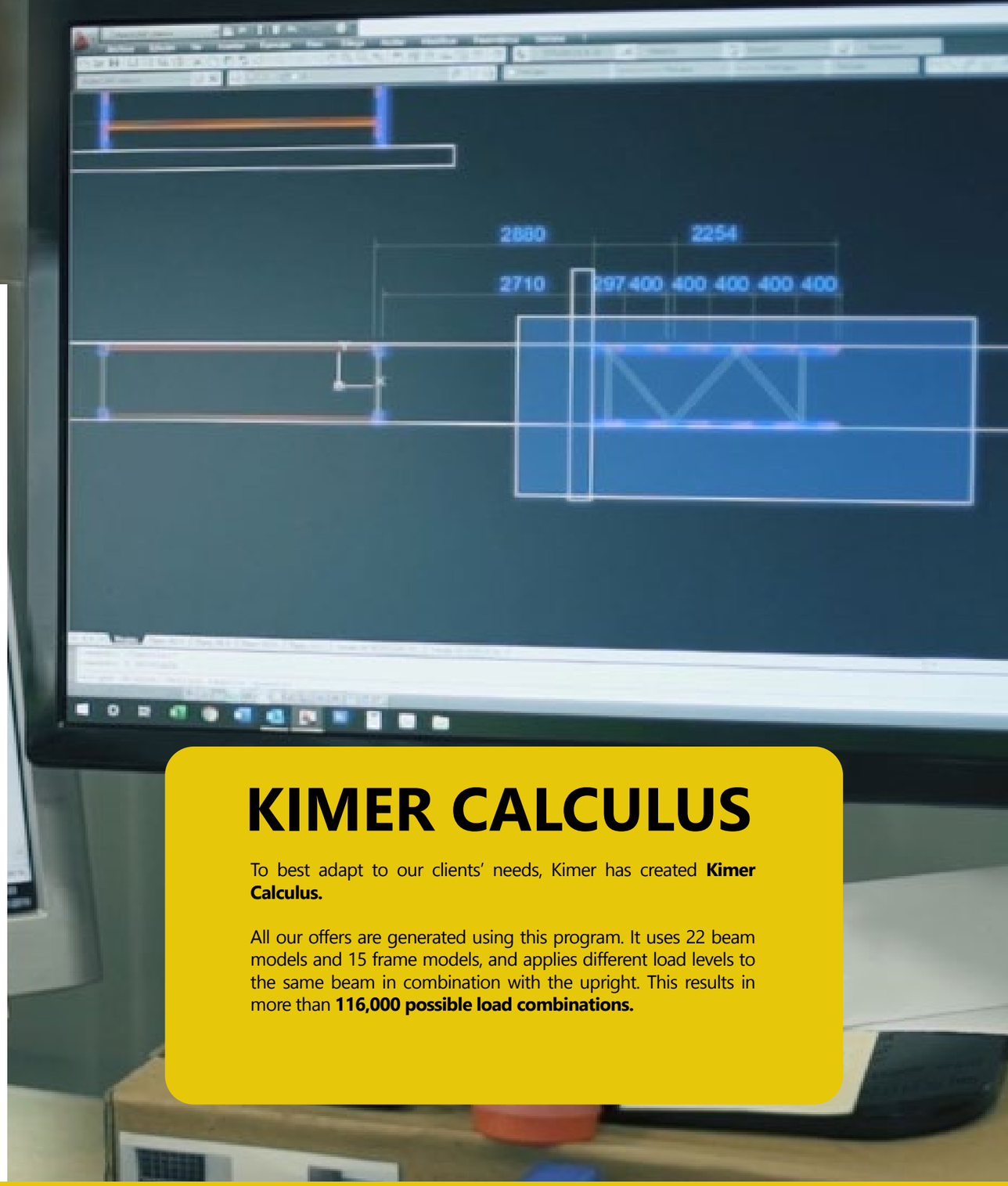


The first beam is placed very close to the ground

In cases where the first beam is positioned very close to the floor, the critical point affecting the installation will be the joint between the second beam and the frame (if it is unloaded).



Your installation has been calculated considering that these three scenarios may occur at some point; this way, our clients **have complete freedom to place the pallets without compromising safety.**



KIMER CALCULUS

To best adapt to our clients' needs, Kimer has created **Kimer Calculus.**

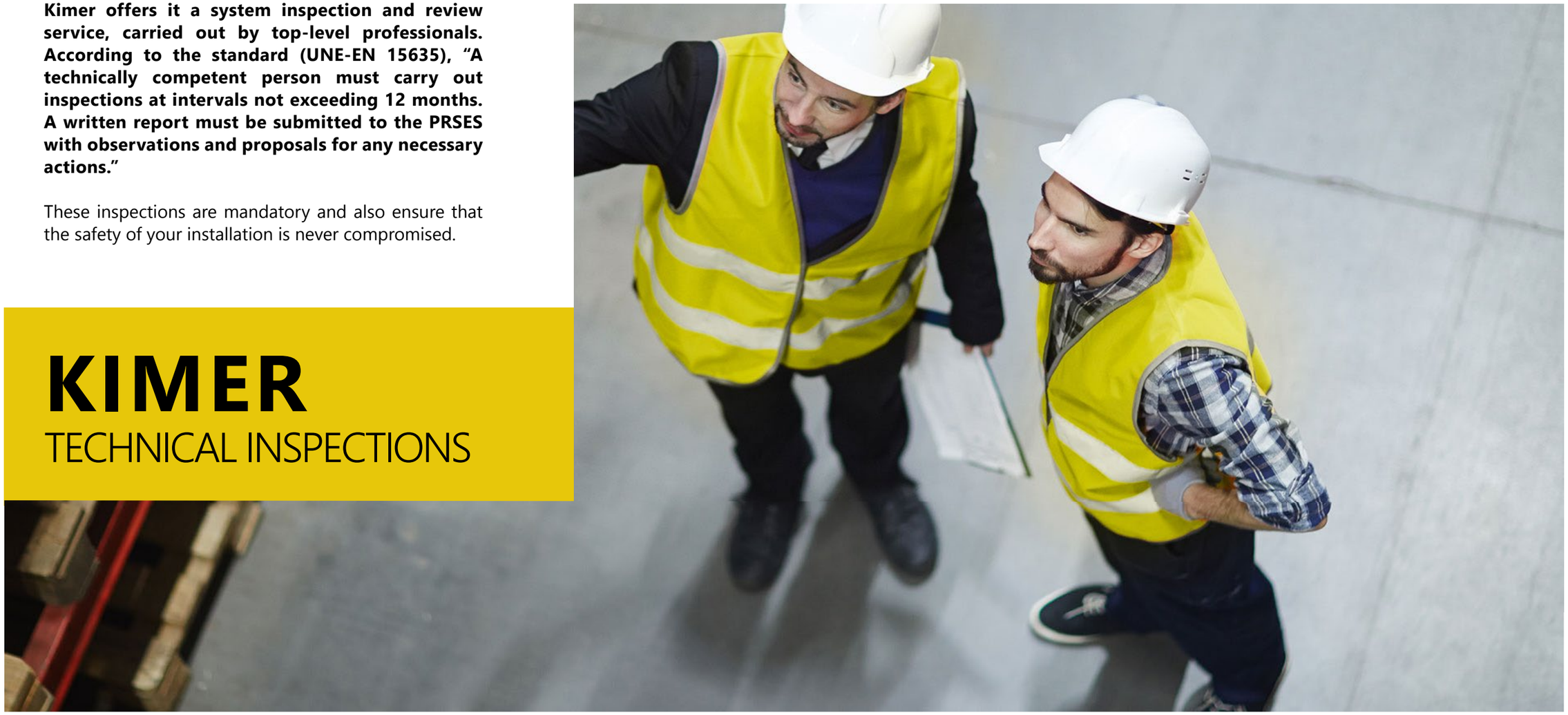
All our offers are generated using this program. It uses 22 beam models and 15 frame models, and applies different load levels to the same beam in combination with the upright. This results in more than **116,000 possible load combinations.**

Technical inspections

We create space

Kimer offers it a system inspection and review service, carried out by top-level professionals. According to the standard (UNE-EN 15635), "A technically competent person must carry out inspections at intervals not exceeding 12 months. A written report must be submitted to the PRSES with observations and proposals for any necessary actions."

These inspections are mandatory and also ensure that the safety of your installation is never compromised.



KIMER
TECHNICAL INSPECTIONS

(+34) 961 536 134 comercial@kimer.com kimer.com

THE BRAND

At Kimer, we have been designing and manufacturing storage systems for over 60 years.

We work every day to help you make the most of your space. We manufacture all types of storage racking systems, applying the same dedication and enthusiasm to every project, regardless of its size.

Everyone at Kimer is confident in our ability to help you find everything you need for your new warehouse installation.

If you want to learn more about our company or our products, these QR codes will take you to our website and our corporate video, respectively.

WEBSITE QR

VIDEO QR

HISTORY

When Kimer opened its first factory in Quart de Poblet in 1963, it contacted local artist **Nassio Bayarri** to create a piece that would reflect the company's image and aspirations.

As a result, Nassio created the artwork that now crowns our façade, made from our very first product: the slotted angle profile. The piece represents the Moon landing, and was completed in 1968. Apollo 11 landed on the Moon in 1969—one year after Kimer installed this sculpture. From that moment until today, Kimer has remained at the forefront of technology and development.

Looking to the future, **Kimer** continues to focus on growth based on quality, environmental awareness, and technological innovation.

R&D DEPARTMENT

At **Kimer,** we have an R&D department that designs all our products using the most advanced structural analysis software.

We study stress, deformation, and tension distribution to ensure our installations are **100% safe** while offering **the most competitive prices.**

To validate our calculations, the main components of our products are tested for breakage, deflection, and fatigue, both internally and by independent laboratories.

KIMER QUALITY

EN 1090 Certification

Kimer is certified to issue CE marking for self-supporting structures. This standard includes regular testing of welding penetration on both robotic and manual welds.

ISO 9001 Certification

Ensures ongoing quality controls and the traceability and registration of our products.

All our products are 100% manufactured by Kimer.

We use only certified premium-grade steel.

We guarantee full traceability of all components.

100% Spanish manufacturing.

We apply the most rigorous design standards on the market.

Our key components are regularly tested by independent, highly regarded laboratories.

We do not use harmful components in our painting processes.

We recycle all process water using reverse osmosis.

We treat contaminated elements via pyrolysis for later recycling.

ENVIRONMENT

At **Kimer, we are deeply aware of the current environmental crisis** and strive to be part of the solution.

That's why we are committed to the following actions:

A 714 kWp solar self-consumption installation, preventing the emission of 400 tons of CO_2 per year.

Eliminating all harmful components from our painting processes.

Recycling all water used in our production through reverse osmosis.

Pyrolysis treatment of contaminated elements for responsible recycling.

Minimizing natural resource use and the generation of hazardous waste.

KIMER HOLDS ISO 14001 ENVIRONMENTAL CERTIFICATION

FAMILY-OWNED COMPANY

At Kimer, we take great pride in being a **family business**. For over 60 years, we have evolved and adapted to changes in the market, always maintaining strong values and a family-oriented culture.This allows us to offer **close, personalized** service and find the right solution for every client.

We are truly proud to be what we are: a family company.

INTERNATIONALIZATION

Today, Kimer exports **80% of its production to over 45 countries.**

Our experienced commercial and logistics team allows us to meet both national and international demands in a constantly evolving industry.

TECHNOLOGY

Currently, Kimer operates two production plants totaling over 30,000 square meters, with a production capacity of 55,000 tons per year.

At Kimer, we use the latest technologies in the manufacturing of steel profiles. Our state-of-the-art CNC roll forming machines deliver clean cuts and precise punching.

We apply robotic welding controlled by artificial vision systems to ensure clean, uniform welds with virtually no spatter. We also have in-house laser cutting technology (for both tubes and sheets), allowing us to develop custom accessories to meet all our clients' needs.

With automated painting booths, we apply epoxy coatings that give our products high chemical resistance to corrosive substances, along with a high-quality aesthetic finish.

REASONS TO CHOOSE **KIMER**

QUALITY
Kimer only uses certified high-quality steel to manufacture its products. We are ISO 9001 quality certified.

SERVICE
Our engineering department will design your storage system tailored to your needs, providing the best possible solution.

GUARANTEE
Kimer is a member of FEM and applies the strictest standards throughout the entire product development process. We are also EN 1090 certified, allowing us to CE-certify self-supporting structures.

PRODUCT RANGE
Kimer manufactures everything from light-duty systems to complex engineering installations, such as self-supporting structures. We offer storage systems to suit all needs.

REASONS TO CHOOSE **KIMER**

PRICE
Kimer manufactures all of its products, which allows us to offer the best value for money on the market.

DURABILITY
Designed and built to last.

EXPERIENCE
Kimer has been designing and manufacturing storage systems for over 60 years. This extensive experience is at your service.

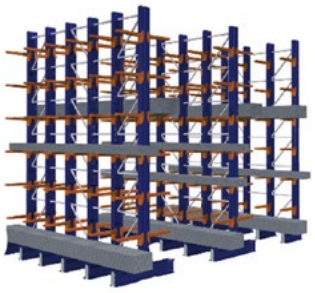
ENVIRONMENTAL CARE
Kimer is committed to the sustainability of our planet and holds ISO 14001 environmental certification.

CUSTOMER SERVICE
Kimer has a professional sales team ready to advise and assist in any of your requirements.

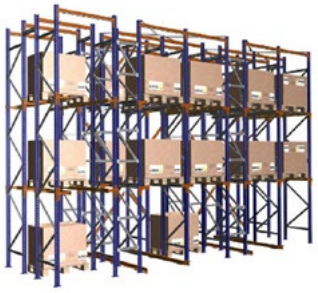
(+34) 961 536 134 comercial@kimer.com **kimer.com**

KIMER Products

Picking



Cantilever



Compact Pallet Racking

Mezzanine

Evolution

Lockers

Slotted angle

We create space

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KIMER
We create space

Since 1963

Website

Corporate video

Official dealer