

KIMER

We create space



Since 1963



**Slotted
angle**



Advantages

System with great stability and strength for professional use.

Best value for money.

Highly cost-effective system due to its price and durability.

Kimer Biosafe antibacterial coating.

Very competitive price.

Low maintenance cost.



Description

Simple, modular, and economical shelving system for a wide range of applications.

Is an adaptable system, available in many sizes and colours

It stands out for its flexibility, allowing the integration of a wide range of accessories, and different finishes.



Applications

Thanks to their versatility, they are ideal for both domestic and professional environments: offices, workshops, storage rooms, and small warehouses.

The wide range of accessories and finishes available makes it easy to manually store goods of many different shapes and sizes.







Since 1963



KIMER **ADVANTAGES**

- 1
- 2
- 3
- 4
- 5

1 Stability

A 100% self-supporting system, with no need for floor or wall anchors.

Kimer slotted angle shelves always include 8 bracing angles (placed on the top and bottom levels).

As an option connectors are available to make assembly faster.



2 Flexibility

Kimer offers the largest number of shelf sizes available on the market (from 700x300 to 1200x600mm).

KIMER offers you an extensive range of accessories.



3 Small details make a big difference

UPRIGHT: In addition to the 90-degree bend every 50mm, KIMER performs two punches on the profile (without drilling the upright), making the profile more robust.

SHELVES: KIMER shelves feature 3 longitudinal bends and 2 transverse bends.



4 Assembly

As an option connectors are available to make assembly faster.



5 Easy access

Goods are accessible from both sides as bracing cross-bars are not required.





Finishes

Galvanized

Kimer uses only galvanized steel quality Z275.

This quality contains a higher amount of zinc, providing the best protection against rust under normal indoor conditions.

Available finish for shelves and P40G uprights.

Biosafe paint

TEXTURED FINISH

Paint that contains an antimicrobial agent which inhibits the growth of harmful bacteria on the treated surface. **It is based on a natural, non-toxic, and eco-friendly silver component that lasts throughout the entire life cycle of the powder coating.** It combats and eliminates bacteria through a tri-modal action:

- Inhibits cell wall respiration
- Inhibits cell reproduction
- Interrupts cellular metabolism.



Effective against over 30 bacteria such as: Legionella, E. coli, Salmonella, Streptococcus, Listeria, Staphylococcus, etc.

Textured finish gives the product an elegant look.

Biosafe paint

Kimer uses only high-quality epoxy paint with a glossy finish. We have the most advanced machinery to ensure the best corrosion protection without sacrificing a uniform and aesthetic finish.

BEST VALUE FOR MONEY



GALVANIZED FINISH

Galvanized: Uprights and shelves.



TEXTURED BIOSAFE PAINTED FINISH

Textured blue RAL 5023: Puntales.
Textured Gray RAL 7035: Estantes.



SMOOTH PAINTED FINISH

Blue RAL 5003: Uprights.
Galvanized: Shelves.



System components



- 1 UPRIGHT
- 2 SHELVES
- 3 SCREWS
- 4 CORNER PLATE
- 5 FOOT
- 6 DRIVERS
- 7 DIVIDERS
- 8 DOORS
- 9 CONNECTOR

R&D DEPARTMENT

Kimer works with the most advanced tools on the market, allowing us to meet even the most specific storage needs.

Our R&D team will develop the right solution for your warehouse requirements.

We create space



Uprights

Uprights with a large number of perforations to allow precise positioning of the shelves (25mm pitch).
Profiles are formed at a 90-degree angle.

Kimer offers two slotted angle uprights:

P40S: 40mm wide and deep angle profile.

P40M: 40mm wide and deep angle profile.

P40G: 40mm wide and deep angle profile.

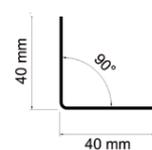
Kimer has conducted tests to ensure that the maximum load on the uprights does not exceed a buckling coefficient of 1 and a failure coefficient of 1.5.



Available finishes:

- Blue RAL 5003
- Textured blue RAL 5023
- Galvanized

P40 SERIES



P40S Standard sizes

1500	1750	2000	2250	2500	3000
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P40M Standard sizes

1500	1750	2000	2250	2500	3000	3500	4000	4500	5000	5500	6000
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P40G Standard sizes

2000	2500	3000	3500	4000	5000	6000
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All measurements provided are in mm.

	P40S	P40M	P40G
Module load capacity	1.000 kg	1.500 kg	2.250 kg

Technical restrictions for P40S upright:

- Only usable with screws
- Max. allowed height from floor to first level: 150 mm
- Max. distance allowed between shelves: 800 mm

Upright foot

Kimer shelves feature 3 longitudinal bends and 2 transverse bends.

Plastic Foot: Can also be used as a cap at the top.

Metal Foot: Allows anchoring of the shelving to prevent displacement.





Shelves

There are three EC shelf models: ECS, ECM, and ECM Perforated.

QUALITY: The bends on EC shelves allow office hanging folders to be placed without any guides.



ECM shelves require a stopper screw to ensure document safety. Kimer also offers the EV shelf, which does not require a stopper.

Corner plate

Componente metálico cuya función principal es **reforzar la unión entre el puntal y el estante.**

Son imprescindibles 8 por estantería, (en el primer y el último estante).



Adjustable support

Metal accessory that, replacing screws, holds the shelves in the slotted angle system.

Two models:

Single: Supports one shelf.

Double: When placing several shelving units together, this support serves to hold the start of a shelf in one module and the end in the next module.



Screws

They connect the shelves to the upright. To ensure strong joints and stability, **Kimer uses M8 screws.**

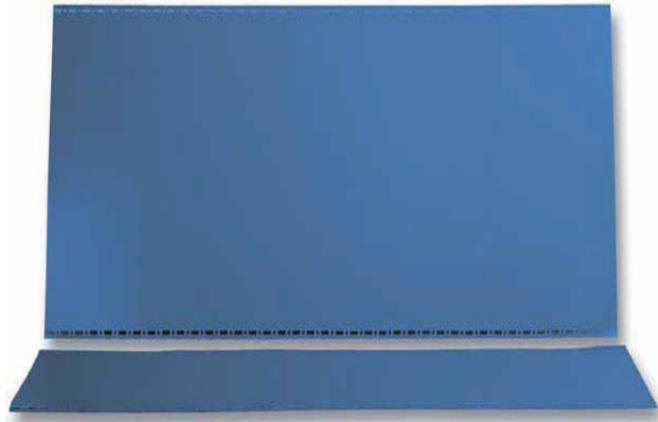




Accessories

Side panels

Placed at the ends of the shelving or system to partially or fully enclose it from other modules or the environment.



Back panels

Metal accessory in painted or galvanized finish. Used to block access to the rear of the shelf.



System with sides



System with back panel

Doors

Prevent access to sensitive items with Kimer doors with built-in lock.

Available in four heights and three different widths.

DIMENSIONS	HEIGHT	WIDTH
1	1000	800
2	1500	800
3	1750	800
4	2000	800
5	1000	1000
6	1500	1000
7	1750	1000
8	2000	1000
9	2000	1200



Drawers

Retractable metal component that allows storage of compartmentalized goods.

Includes a rear stopper to prevent accidental forward displacement.

Available for EC perforated shelves with 300mm or 400mm depth.



If the drawers require a stopper element, a screw must be installed to serve this purpose.

Kimer offers three different drawer sizes with both longitudinal and transverse dividers.

DRAWERS A (134mm wide)

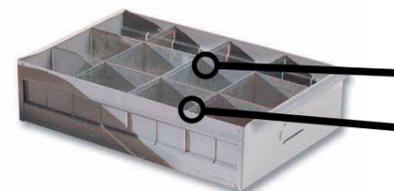
Available in heights of 90 or 110 mm, and depths of 300 or 400 mm.

DRAWERS B (203mm wide)

Available in heights of 90 or 110 mm, and depths of 300 or 400 mm.

DRAWERS C (273mm wide)

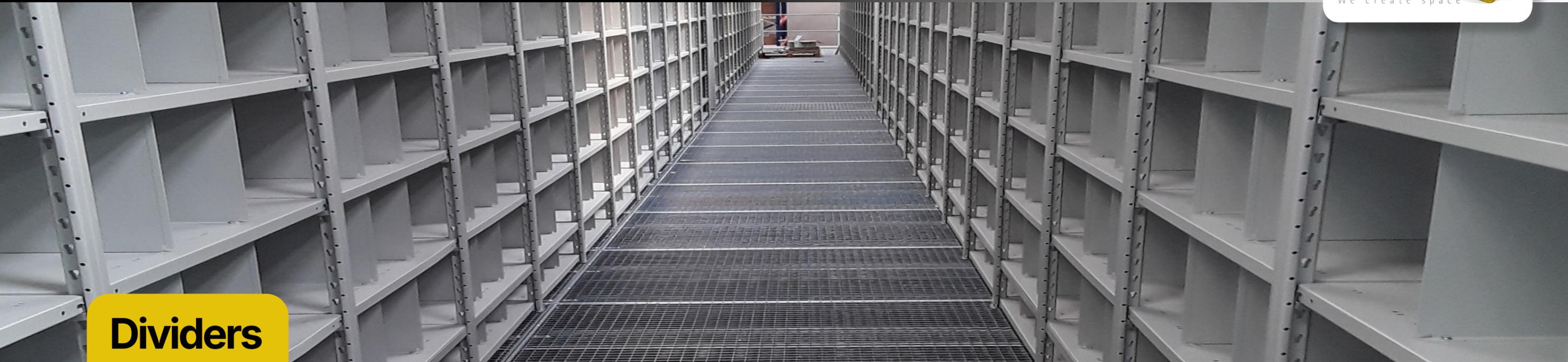
Available in heights of 90 or 110 mm, and depths of 300 or 400 mm.



LONGITUDINAL DIVIDERS

TRANSVERSAL DIVIDERS





Dividers

Allow goods to be organized or separated within Kimer shelve.

Dividers

Two available models:

EC divider

Vertical dividers compatible only with perforated shelves, as screws are needed for installation.

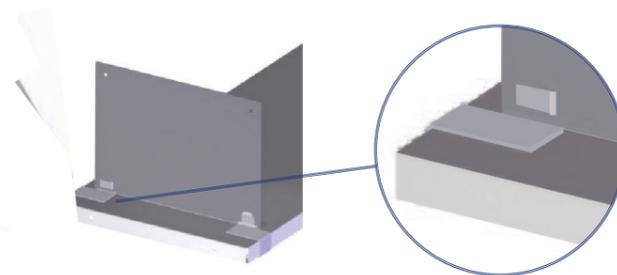
Kimer offers EC dividers in depths of 300, 400, or 500 mm.



EV divider

No screws or perforated shelves required for installation.

Available in depths of 300 or 400 mm.



STANDARD HEIGHTS

150	200	250	300	350
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STANDARD HEIGHTS

150	200	300
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Shelf stoppers

Metal profiles that act as stoppers and can be fitted with dividers to compartmentalize the load level.

Front Stopper (110mm.)

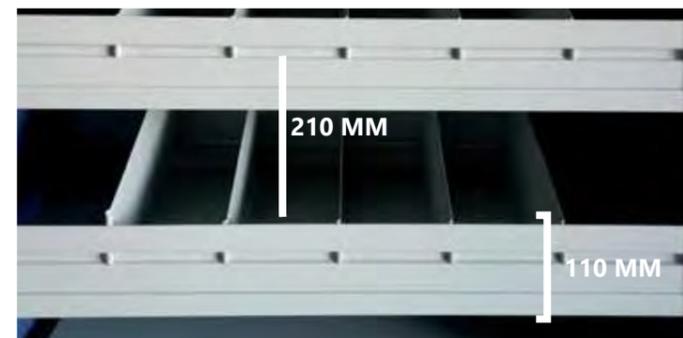
Available in lengths of 900, 1000, and 1200 mm.

Rear Stopper (210mm.)

Available in lengths of 900, 1000, and 1200 mm.

Dividers with stopper

STANDARD SIZES	300	400	500
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Importance of FEM standards

What is FEM?

An association founded in 1953 whose main objectives include promoting technical standards for the materials handling sector. It consists of approximately 1,000 companies with around 160,000 employees.



Importance of complying with FEM y Eurocode standards

Ensures the product meets high standards of quality and safety.

For pallet racking, the FEM standard has become an EN standard, which is mandatory legislation across all European countries.

Our load tables comply with the recommendations of FEM 10.2.06 and Eurocode 3.

FEM 10.2.06 STANDARD

Shelving covered by this standard is limited to 3 meters in height and cannot support walkways or floors.

Load factor: 1.4

Steel reduction factor: 1.0

Shelving over 1.6 meters in height, with a height-to-depth ratio of 5:1, must be anchored to the floor. *Example: Shelves 2 meters high and 350 mm deep require anchors.*

Service limit states:

On beams: $L/200$

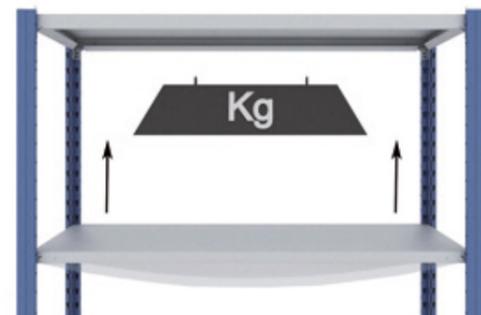
Máximo giro en una viga: 6 grados

Maximum vertical deflection at shelf ends: $L/200$

Maximum upright inclination: $H/200$



Maximum allowable deflection $\leq L/200$



When the load is removed, the shelf must return to its original position.

SHELF LOAD TEST UNDER VERTICAL LOAD

The standard requires a minimum number of loads per shelf:

Shelf widths

400 mm: 2 load units

401–600 mm: 3 load units

Over 601 mm: 4 load units

Shelf lengths

800 mm: 4 load units

801 to 1300 mm: 6 load units

Over 1300 mm: 8 load units



For a 1000 x 500 mm shelf, 3 rows by 6 columns of load units should be used for proper load distribution.

For the maximum capacity test, the rack must be overloaded, and a force applied to the top end of the rack to check for deformation of the uprights.

MAXIMUM LOAD TEST FOR THE SHELVING

Two tests must be performed per direction, applying a horizontal force at the top in both Cross and Down directions. If the shelf can support a ladder, this must also be tested.

The structure must remain for a minimum of 30 minutes. During this time, no signs of twisting should appear. After unloading, the residual deformation must not exceed 20% of the maximum deformation.



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

FAMILY-OWNED COMPANY

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 CO₂ 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**



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

TECHNOLOGY



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.

Currently, Kimer operates two production plants totaling over 25,000 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.

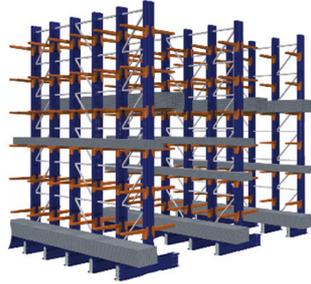
We apply robotic welding controlled by artificial vision systems to ensure clean, uniform welds with virtually no spatter. We also have in-house laser cutting technology (for both tubes and sheets), allowing us to develop custom accessories to meet all our clients' needs.

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.

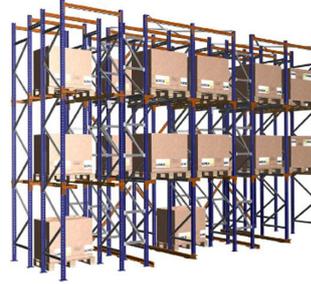
KIMER Products



Picking



Cantilever



Compact Pallet Racking



Mezzanine



Pallet racking



Lockers



Easy rack

We create space

Avda. Santa María de Poblet, 26
46930 Quart de Poblet (Valencia)

+34 961 536 134

kimer.com
comercial@kimer.com

KIMER

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Since 1963

Website



Corporate video



Official dealer