

Click Logo to jump to page



PRAGMATIC & SUSTAINABLE SOLUTIONS FOR ALL



**EARTHLING
ENTERPRISE.**
TRADING & CONTRACTING
إيثرلينج إنتربرايز للتجارة والمقاولات

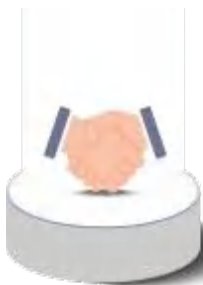


OUR CULTURE

The human experience is at the heart of everything we create. We employ our extensive knowledge, research and excellence in design to create future-proof environment.

It's our objective to add value at every stage of a project, including planning, design, build and deliver successful projects for our clients.

OUR VALUES



RESPECT
Be dedicated
to relationships



INTEGRITY
Be true to
our word



INNOVATION
Be challenging in
our approach



COLLABORATION
Be one team



EXCELLENCE
Be exceptional in
everything we do



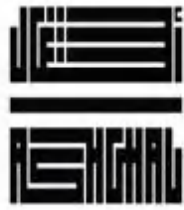
TRUST
Be open and
transparent



CLIENTELE

Earthling has a track record of highlighted projects in every field of the trading and contracting industry. Working closely with clients our projects connect communities, play a key role in urban and rural development, help drive economic growth and provide vital long-term infrastructure. We have been involved in delivering some of the Middle East's most significant projects for our clients.





قطر تستحق الأفضل
Qatar Deserves The Best



UrbaCon Trading & Contracting
A UCC HOLDING SUBSIDIARY



ذئ مانننرز
THE MAINTAINERS



AMIRI DIWAN
STATE OF QATAR



سئق سق واقف الصقور
SOUQ WAQIF FALCON HOSPITAL



الصقق القابضة
AL SIDDIQI HOLDING

سءرة للطب
Sidra Medicine



SALAM
Technology



WHAT WE DO

No matter what stage of the project, we're ready to add expertise and value every step of the way.

Our integrated approach means we harness the expertise in infrastructure, design, development, product supply and management to deliver a project from conception to completion .

Our focus is on four core markets: Contracting (Industrial Maintenance, Paints & Coating), Smart & Sustainable Solutions (Home Automation, Hydroponics Home Farming), General Trading (Products like Hand Tools to Protective Gears), and Uniforms & Institutional Furnitures.



CONTRACTING TURNKEY SOLUTIONS WITH A DIFFERENCE

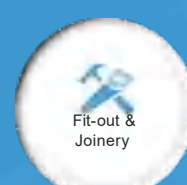
Earthling Enterprise is an emerging contracting company that delivers exceptional level of service. We ensure our valuable customers the best - quality construction services at decent

market competitive prices. We maintain highest levels of professionalism and relationships with the project team that ensure the highest industry standards.



Earthling Offers Expertise In :

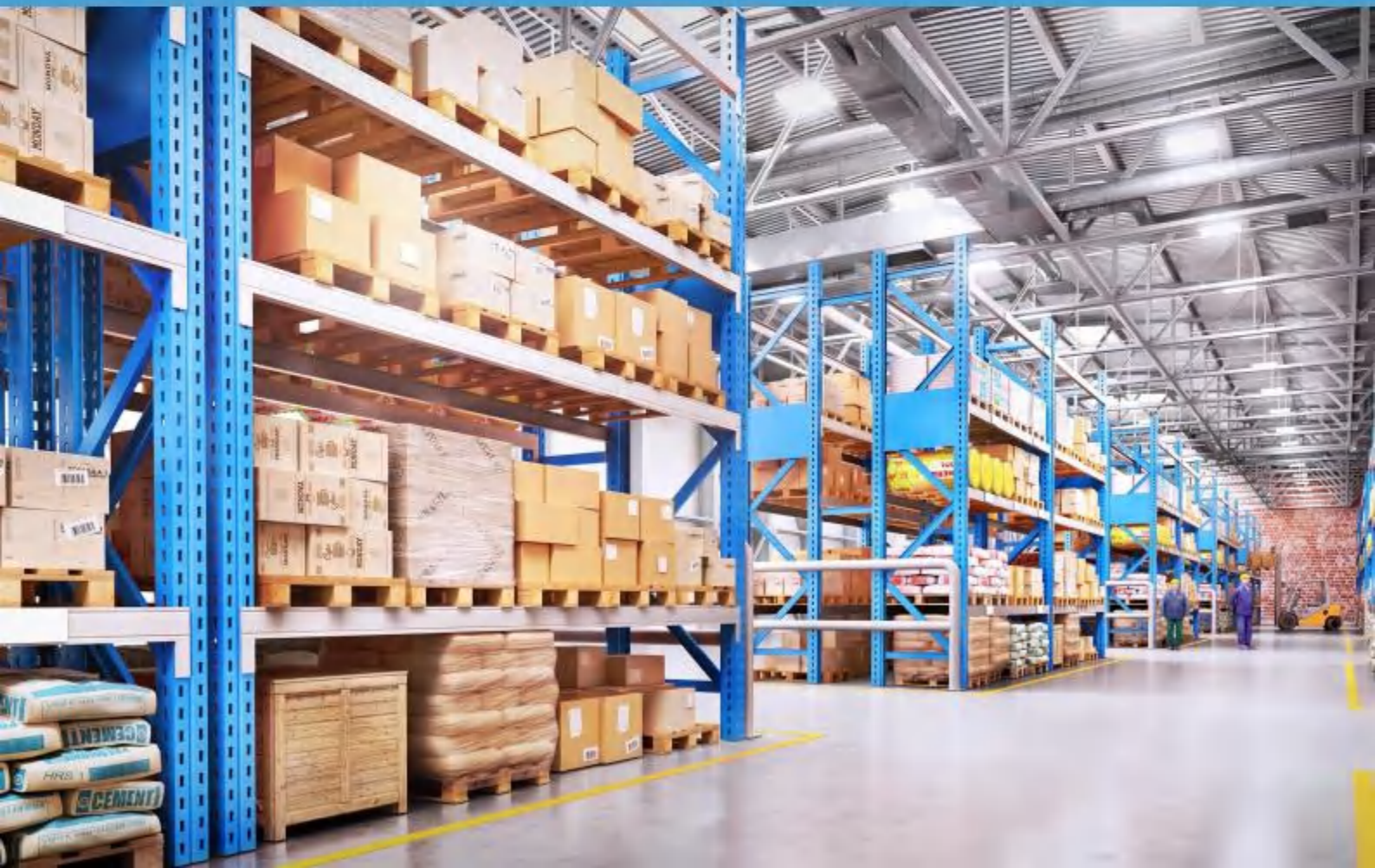
We provide contracting services to residential, commercial, health, education, industrial, oil & gas, public infrastructure, defence, data centres and agriculture sectors .



GENERAL TRADING

Earthling Enterprise has an amalgamated business portfolio which encompasses multi-network affiliations connecting manufacturers and suppliers to source the best materials for our clients .

With our dedicated and talented team of procurement specialists , we can offer a wide range of products and services at competitive market prices to suit our customers ' expectations and budgets . We offer customised services to accommodate various business sectors , from Hospitality and Retail industries through to FMCG and special order requests . With diverse operations , our trading portfolio is focused on the following key areas;



DELIVERING BETTER SOLUTIONS TO THE WORLD



Hand Tools



Power Tools



Equipments



Pumps and
Motors



Hardware and
Building Materials



Automation
Sensors & Parts



Protective
Gears



SMART & SUSTAINABLE SOLUTIONS

SETTING NEW STANDARDS

Today, faced with unprecedented economic, social and technological change governments and organisations are demanding to deliver higher quality, smarter solutions, faster and more cost-effectively.

Our multi-disciplined network of professional engineers can deliver most modern tech in

automation, sustainable, and energy efficiency solutions for today and tomorrow.

We have considerable knowledge and experience in meeting the multi-faceted business needs of our clients across major sectors covering residential, commercial, consumer and industrial front.

Earthling provides solutions in;



Home
Automation



Solar
Solutions



Water Treatment
Solutions



Hydroponics
home farming

Creating Economic Value & Sustainable Future

Our years of experience, combined with our passion and technical knowledge, makes us complete a wide range of projects in time. We believe that the work we do today will make a real difference to the lives of our people and customers, the communities they call home, and the world we live in, tomorrow.

Find out more about past and ongoing projects that Earthling is involved in.

PROJECTS



Project: Westbay central Bus Station .

Client: CCTC/ UCC

Value: 1Million

Scope: Decorative and Protective painting.



Project: Lusail Ferry Terminal .
Client: CCTC/ UCC
Value: 1Million
Scope: Decorative and Protective painting.



Project: Plant Flooring Re-tiling with SS drains

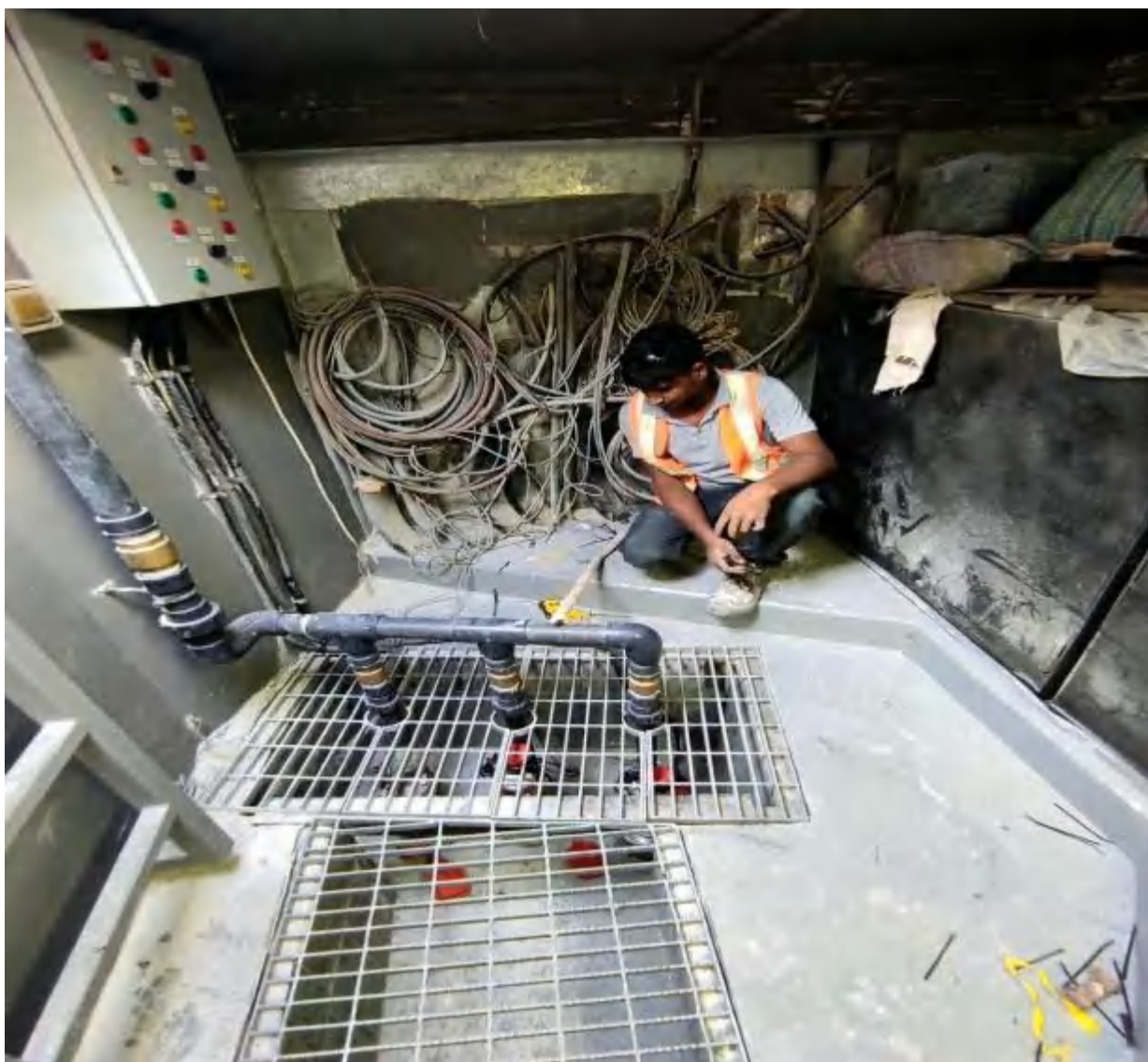
Client: Dandy Company Ltd

Value: QR500,000/-

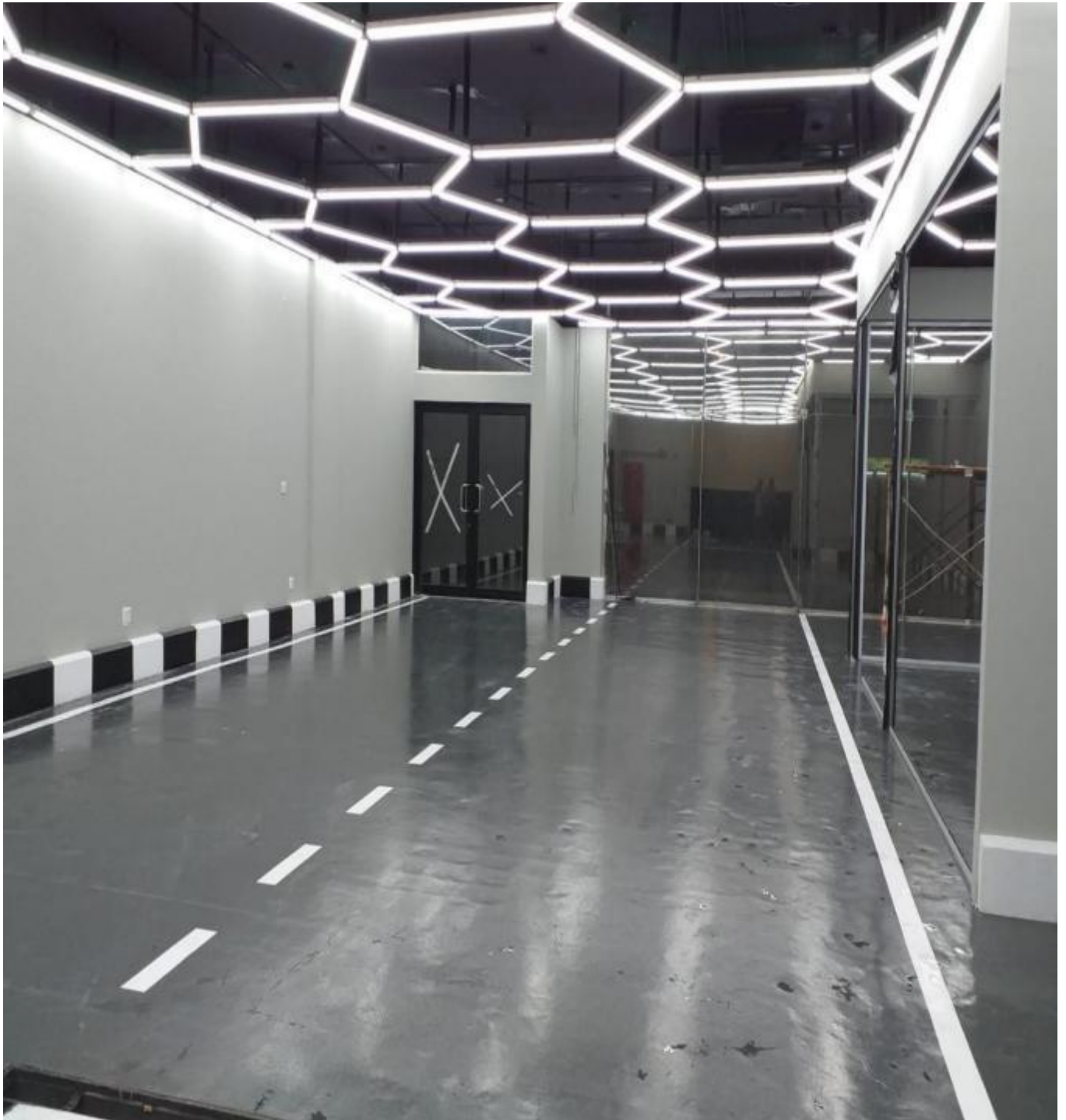
Scope: Plant Flooring Re-tiling with SS drains.



Project: Concrete repair Work Alkhor
Client: Ministry of Education, Qatar.
Value: 250,000/-
Scope: Concrete repair Work



Project: Bollard Room Refurbishment .
Client: Emiri Diwan
Value: QR350,000/-
Scope: MEP and Civil.



Project: Showroom Construction .
Client: AUTO ART,
Value: QR850,000/-
Scope: MEP , Civil and HVAC.



Project: Kallos Fitness
Client: Kallos Fitness
Value: 750,000Qr
Scope: MEP , Civil and HVAC



Project: RO PLANT REFURBISHMENT
Client: KAHRAMAA
Value: 500,000Qr
Scope: MEP and CIVIL

Sl no.	Project	Description and scope	Client
1	North Army camp RO plant refurbishment	High Pressure uPVC, cPVC ABS and DI piping repair. SS316l Stainless Steel fittings repair and replacement. Electrical work including High pressure high pressure pump installation, transfer pump alignment, liquid tight conduiting and paneling	Kahramaa Qatar
2	Structural repair/ Concrete Repair.	Structural repair with composite material to reinstate the structural integrity	Dandy company ltd, Qatar.
3	General Maintenance	Supply and application of coating and cladding of industrial grade with anti-bacterial properties	Dandy company ltd, Qatar.
4	Infrastructure Development.	Construction Crate washing. office extension. GRP 200m ³ .	Dandy company ltd, Qatar
5	Infrastructure development.	Construction of bakery extension.	Qbake (Umm said Bakery)
6	General maintenance	Waterproofing. HVAC .	Qbake (Umm said Bakery)
7	Infrastructure development.	Construction of new office block.	Gulf united real estate company, Qatar.

8	General maintenance	Painting and civil maintenance of residential space	Gulf united real estate company, Qatar.
9	General maintenance	Painting and civil maintenance. HVAC.	Qatar Flour mills
10	Poly- Clinic Construction.	Complete construction of multi-speciality clinic.	City Clinic
11	GYM Construction and fitout	Complete construction of Callisthenics GYM.	Kallos GYM Doha
12	Concrete Repair Work	Concrete Repair Work for structure	Ministry of Education Qatar
13	Waterproofing work	Waterproofing work for roof.	Ministry of Education Qatar
14	Humidity Control Integration	Ventilation Modification to control humidity	Gulf united real estate Company
15	FltOut work.	FltOut work for west bay central bus station Doha	Ashgal Project
16	FltOut work.	FltOut work for Lusail Ferry Terminal Doha	Ashgal Project
17	FltOut work.	FltOut work for Corniche Ferry Terminal Doha	Ashgal Project
18	Palm Oil crude pumping station.	Palm Oil crude pumping station to transfer high viscosity crude to plant for refining.	QFI
19	Security Bollard Service Room Maintenance.	Underground Security Bollard Service Room by addition of Sump drainage system with submersible drainage	EMIRI Diwan



📍 Office Address:
Doha, Qatar
P.O. Box: 80403

✉ sales@earthlingenterprises.com
🌐 www.earthlingenterprises.com
☎ Phone: ±974-44273355, +974-77369911





USA



8230 Coral Way
Miami FL, 33155
contact@ennatgroup.com

CHILE



Cerro Portezuelo 9810
Quilicura, Santiago
contacto@ennat.cl

MÉXICO



Insurgentes Sur 686 - 2011
(WTC) Del Valle CDMX
contacto@ennat.mx

AUTHORIZED DEALERS

Qatar Exclusive Dealer



Earthling Enterprise
Trading and Contracting
+974 50006911
+974 44273355
Sales@earthlingenterprises.com





INDUSTRIAL PROTECTIONS

PRODUCT CATALOG



TOP INDUSTRIAL
SAFETY SOLUTION
PROVIDER 2024



WWW.ENNATGROUP.COM



DESIGN AND INNOVATION IN INDUSTRIAL PROTECTIONS

14 YEARS OF DEVELOPMENT

ENNAT is a company specialized in the development, manufacture, and marketing of products focused on the protection of logistics warehouses.

Established in 2012, with a presence in Mexico, Chile, and the United States, we provide protection for warehouse personnel, structures, and storage racks.

Innovation and development are at our essence, and we firmly believe that everything can always be done in a better way.

Thanks to this principle, we have managed to develop unique solutions on the market, which significantly increase safety for people while reducing operating costs.

2012

Date of
Establishment

11

Presence in
Countries

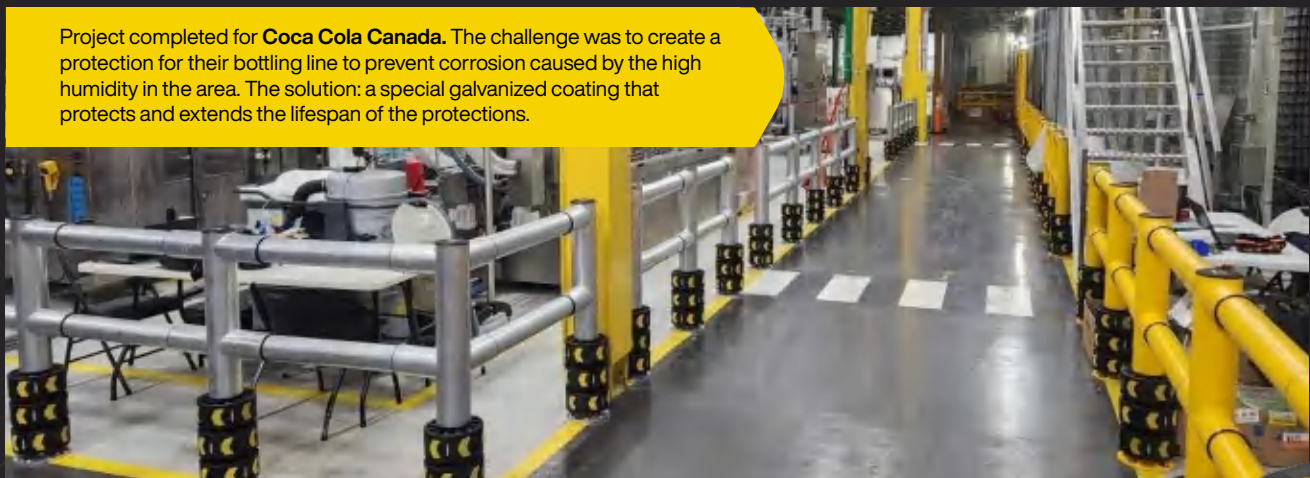
CUSTOM SOLUTIONS TAILORED TO YOUR NEEDS

At ENNAT, we are passionate about transforming unique challenges into custom solutions that perfectly meet our clients' needs. We firmly believe that each project is an opportunity to innovate and exceed expectations, providing products specifically designed to meet the most demanding requirements.

Our focus on design and innovation allows us to create industrial protections that not only meet the highest safety standards but also enhance the operational efficiency and aesthetics of your facilities.



Project completed for **Nestlé**, where it was necessary to protect a wrapping machine from forklift impacts during loading, safeguarding high-value automated machinery.



Project completed for **Coca Cola Canada**. The challenge was to create a protection for their bottling line to prevent corrosion caused by the high humidity in the area. The solution: a special galvanized coating that protects and extends the lifespan of the protections.

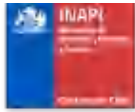
CHALLENGE US!

We pride ourselves on working closely with our clients to develop custom solutions that truly make a difference. Whether you need special protection for a specific area or a customized integration with your existing systems, we are here to bring your vision to life.

Discover how our custom solutions can transform your space and elevate your industrial safety to the next level. Contact us and let's get started on your next custom project!



INTELLECTUAL PROTECTION



CANADA



USA



MEXICO



COLOMBIA



PERU



BRAZIL



CHILE

EUROPEAN UNION



ENERGY ABSORPTION

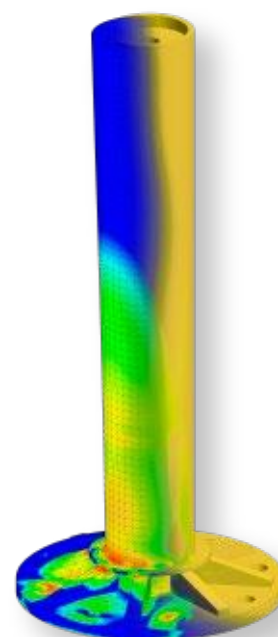
CONTROLLED DEFORMATION TECHNOLOGY

The elastic deformation of the rubber allows a gradual deceleration of the force upon receiving the impact, thus absorbing a portion of the energy that is transmitted to the supporting structure.

Thanks to 3D Computerized FEA (Finite Element Analysis) Models and the empirical experience of more than 10 years of real tests in the market, ENNAT has optimized the performance of its products, increasing their performance and protection.

CONSTANT DEVELOPMENT

The search for the perfect solution is part of our essence; we have been doing it since our first designs. We will continue to update our products to offer the best possible solution.



2011

2012

2014

2016

2020

2022



EUROPEAN STANDARD FEM 10.2.02

The European Standard FEM 10.2.02 determines the energy load that the protector must absorb to pass, which corresponds to 300 Joules. Our Front protector is capable of absorbing 1,000 Joules.

The elastic rubber deformation allows a gradual deceleration when the impact is generated, thus avoiding the transmission of energy to the supporting structure, which is so low that it does not present any deformation.

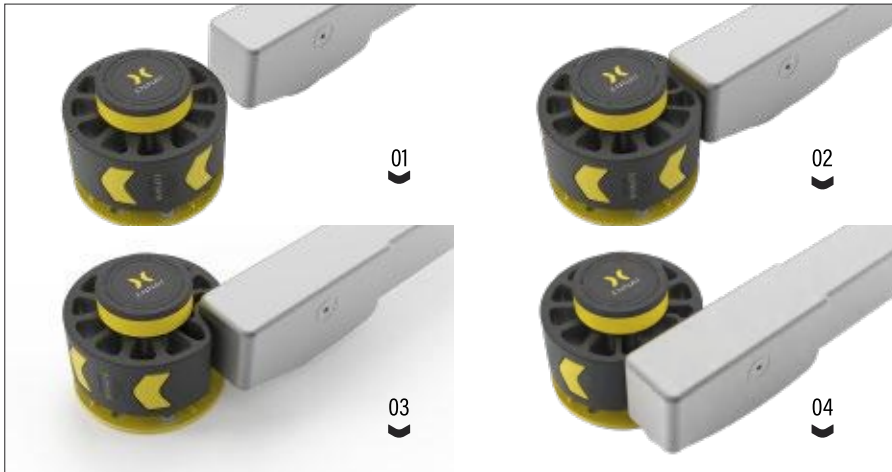


iditem



ROTATION

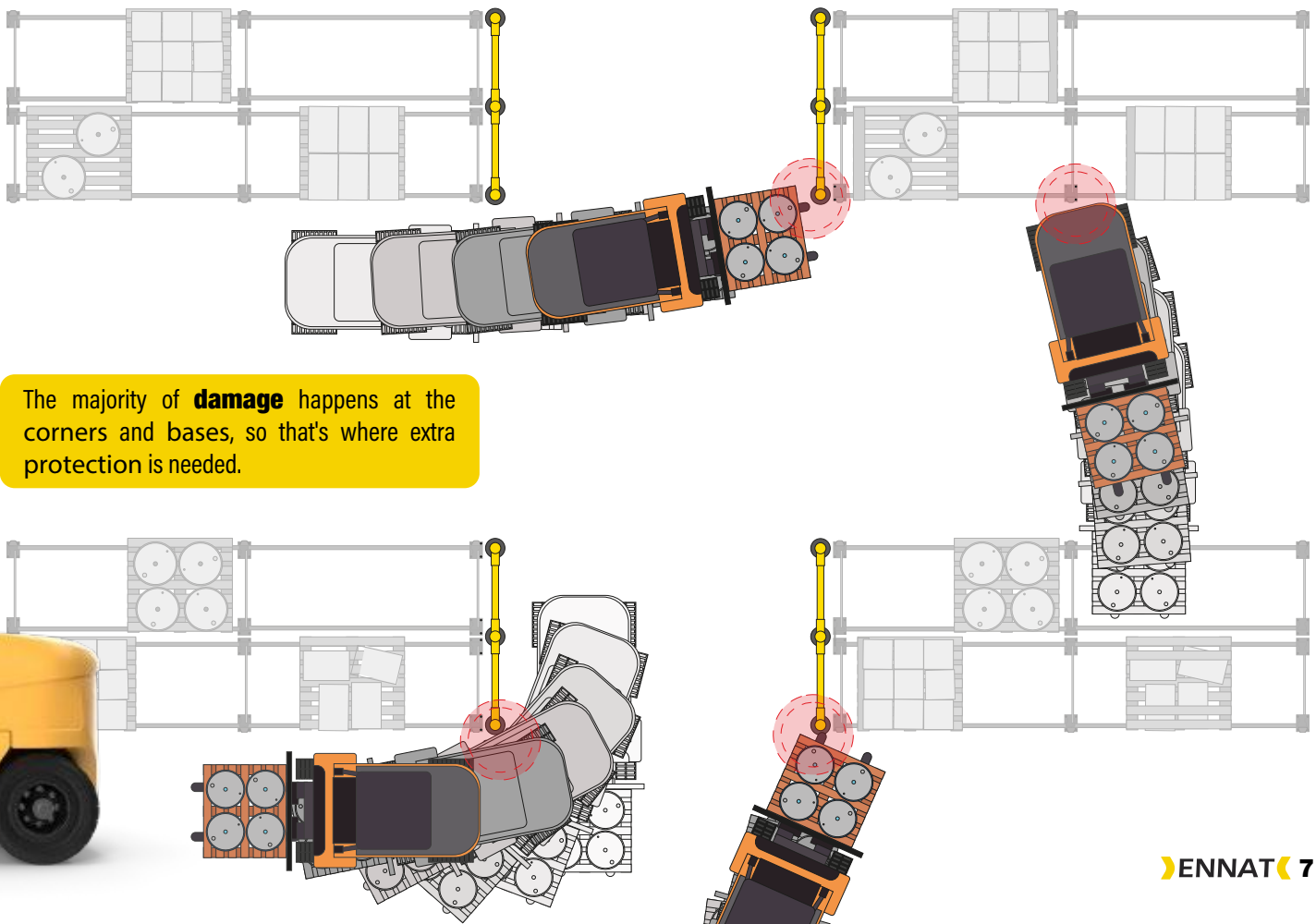
The rotation with absorption of the rubber module allows it to absorb and redirect the direction of the forklift, achieving a significant reduction in damage to both the barrier and the forklift.



IMPACT ANALYSIS

In normal operation, most hits occur at the outer bases of the barriers.

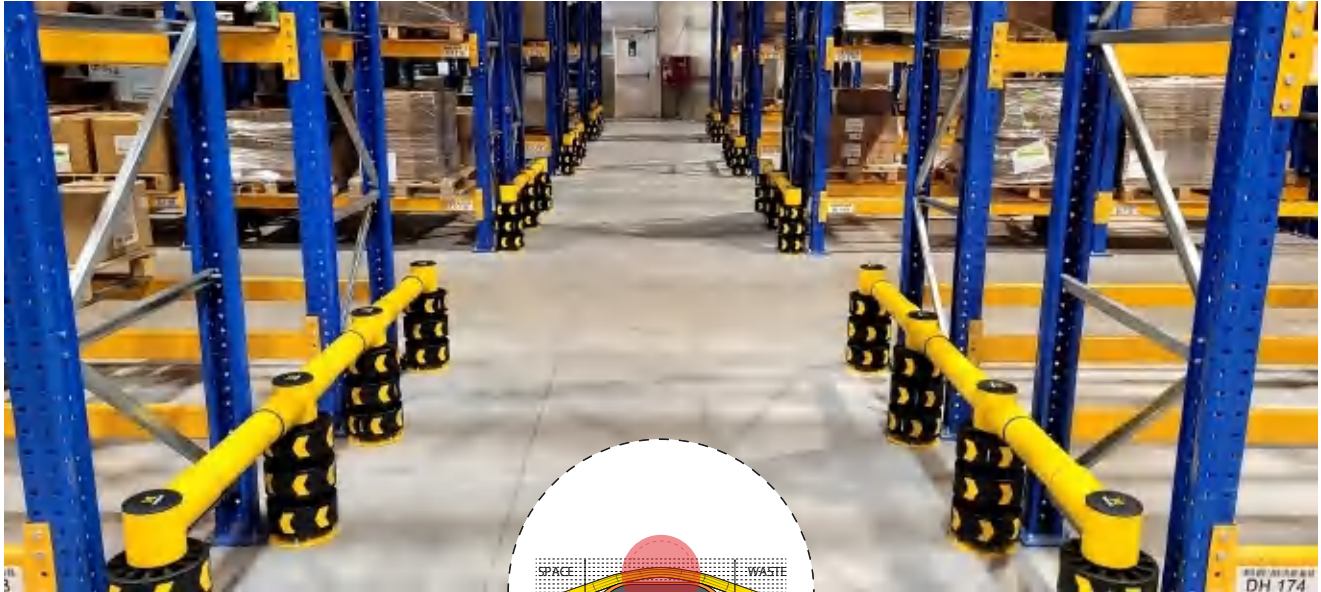
That is why the Ennat Barriers are designed to withstand these blows in each of their bases.



The majority of **damage** happens at the corners and bases, so that's where extra protection is needed.

SPACE EFFICIENCY

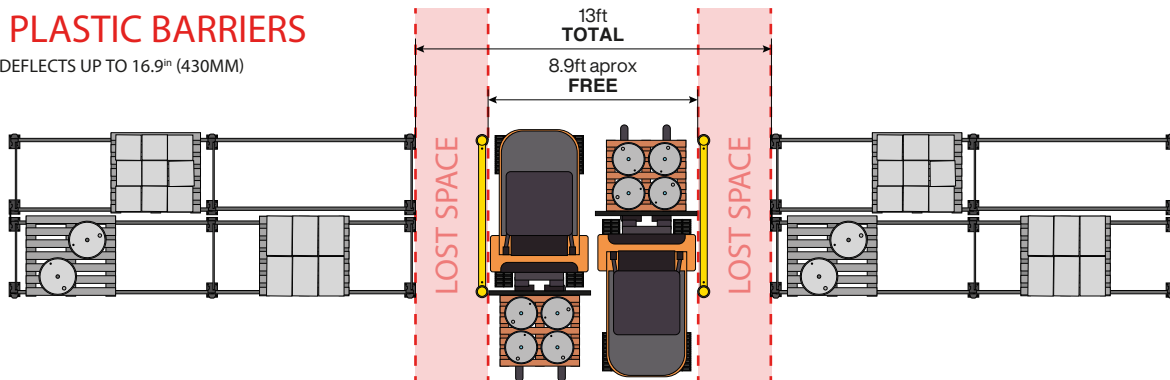
Our products are designed to protect people and infrastructure without elongating, since deformation will ALWAYS involve loss of useful surface.



WITHOUT ELONGATION

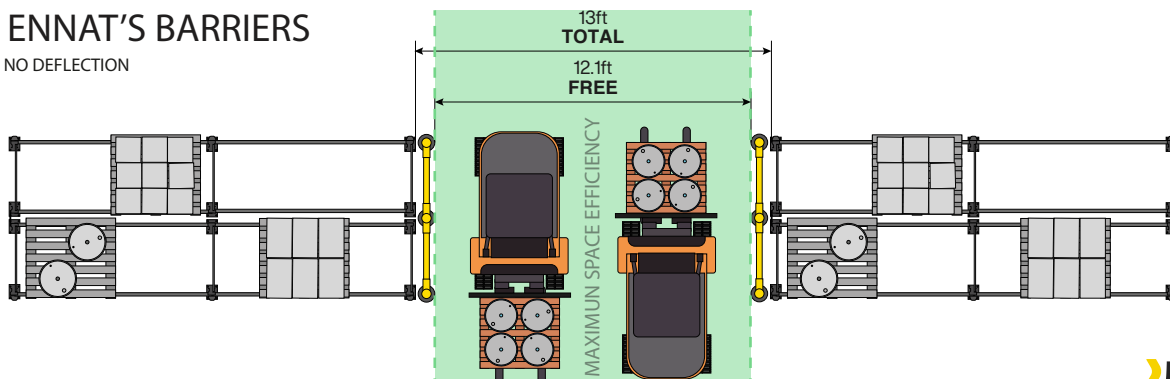
PLASTIC BARRIERS

DEFLECTS UP TO 16.9" (430MM)



ENNAT'S BARRIERS

NO DEFLECTION

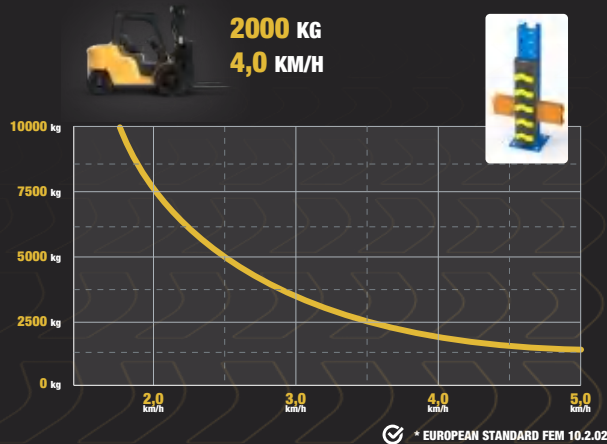


PROTECTION CAPACITY

Our products are designed to withstand everyday shocks from logistics operations and to protect people and infrastructure in the rare event of high-energy shocks.

Thanks to the barriers's design, this level of protection is produced in each of its bases, where the blows are received.

RACK PROTECTORS



STANDARD BARRIER



TOP 10 2024 Industrial Safety Solutions

We are proud to announce that ENNAT PROTECTIONS CORP, under the leadership of CEO Martin Rozas, has been recognized as one of the Top 10 Industrial Safety Solutions Providers of 2024 by Managing MFG.

This prestigious award highlights our innovative solutions that enhance safety and operational efficiency. Our patented products combine metal strength and impact absorption to protect facilities and reduce maintenance costs. Industry leaders like DHL, Coke, Unilever, and Toyota trust us to ensure safety in their operations.

Discover the cutting-edge safety solutions that set us apart.

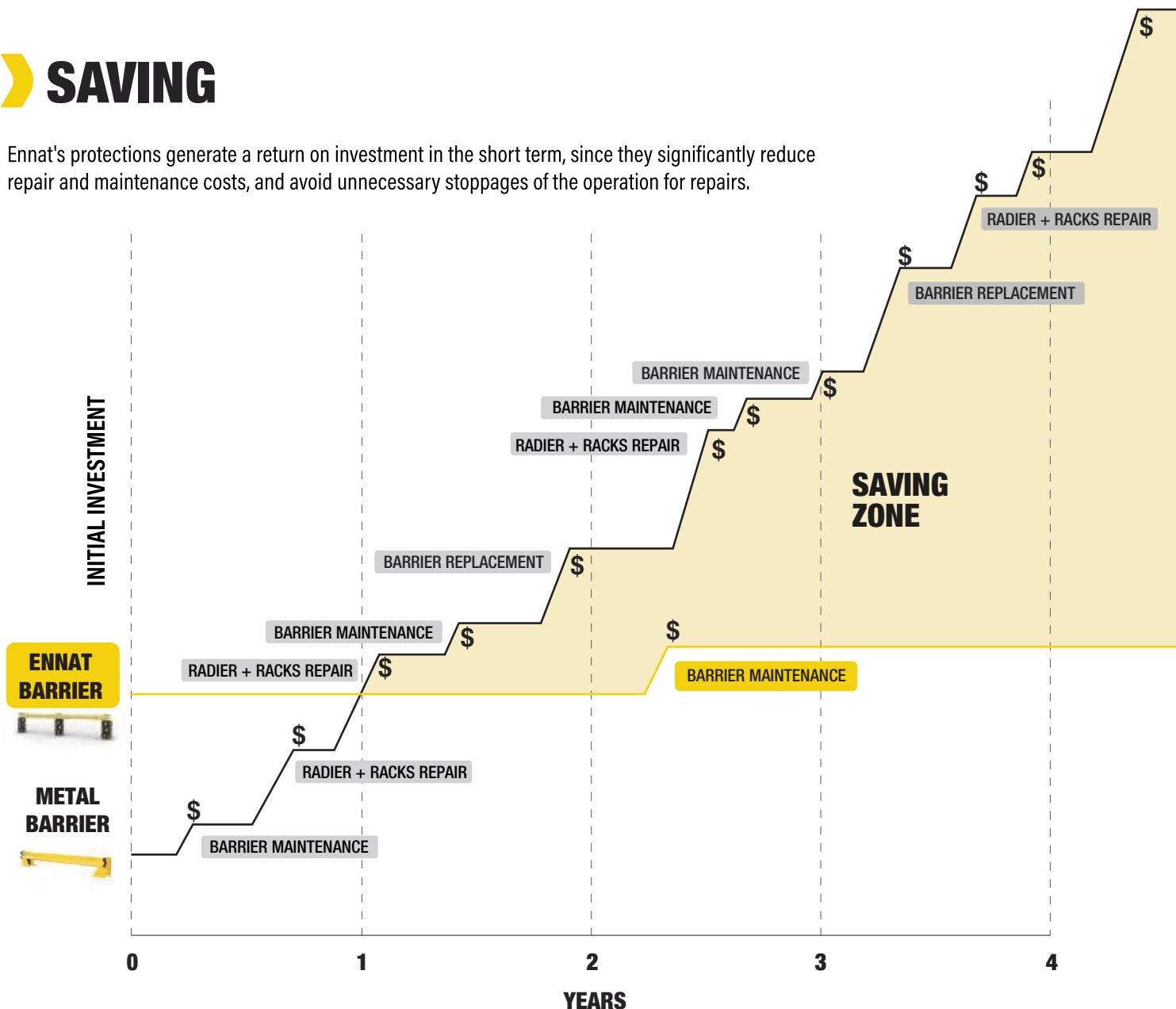
AWARDED BY

MANAGING
MANUFACTURING



SAVING

Ennat's protections generate a return on investment in the short term, since they significantly reduce repair and maintenance costs, and avoid unnecessary stoppages of the operation for repairs.



DETERIORATION OF METALLIC PROTECTIONS



PAYBACK ANALYSIS



PROJECT CHARACTERISTICS: 96,000 sqf 14 Aisles 390 Exposed Uprights			
Occurrences	Every X Years	Expense	Yearly Expense
Rack Repair	1.5	\$ 18,000	\$ 12,000
Labor Repair	1.5	\$ 10,500	\$ 7,500
Total Yearly Expense			\$ 19,000

ENNAT'S PROTECTIONS INVESTMENT

\$41.5K

PAYBACK

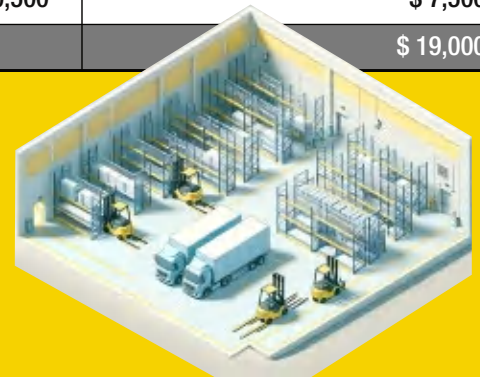
2.5 YEARS

5 YEAR ROI

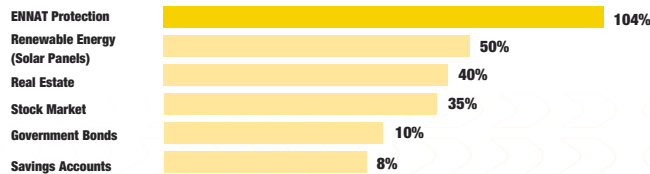
104%

10 YEAR SAVINGS

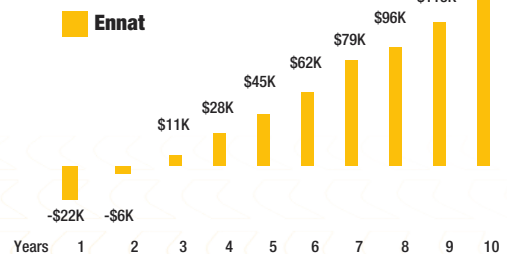
\$129.8K



5 YEAR ROI COMPARISON CHART



SAVINGS



The information in this flyer, including ROI and market data, is for informational purposes only and is based on historical trends. Comparative ROI examples are estimates and not indicative of future performance. ENNAT is not responsible for investment decisions made based on this information as it is intended solely for illustrative purposes. For more information please visit our website

SUCCESS CASE



FRANCISCO GARCIA
President & Co-Founder
of Lynx Logistics,
shares his insights:

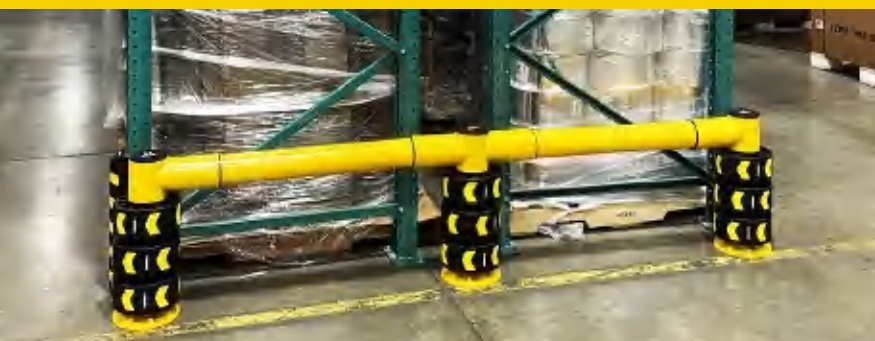
TESTIMONY

"Installing guardrails and rack protectors at our distribution center not only enhances safety and efficiency but also brings remarkable aesthetic appeal and organization. The exceptional ability to absorb impacts sets a new benchmark, surpassing anything we've seen before."

PROJECT DESCRIPTION

42744 BOSCELL RD, FREMONT, CA 94538, USA

Lynx Logistics, in its continuous pursuit of excellence in safety and operational efficiency, has embarked on the integration of guardrails and rack protectors at its distribution facility located in Fremont, CA. This project, which includes the improvement of 14 aisles and 390 exposed uprights, incorporates advanced safety solutions to protect both staff and merchandise. Prior to the implementation of this project, Lynx Logistics faced significant costs associated with infrastructure and merchandise damage exceeding \$19,000 annually, as well as elevated risks to staff safety.



SERVICES



EXPERT ADVICE

Our logistics warehouse security experts will help you identify high-risk zones in your facility.

TECHNICAL VISIT

The technical gathering of information is crucial in determining the correct protection needs, and we will assist you every step of the way.

INSTALLATION

We are capable of carrying out the installation without setbacks and with high safety standards.

THEY TRUST US



Brodie Forrester
INNOVATIVE SPACE MANAGEMENT SOLUTIONS
CEO

"At ISMS, we prioritize excellence, and our partnership with Ennat reflects these values. ENNAT consistently delivers high-quality barrier railing products with attention to detail and innovative designs, enhancing the safety and visual appeal of our projects. Their exemplary customer service, from consultation to project completion, ensures our satisfaction. We are confident in their ability to deliver exceptional results and look forward to continuing our collaboration."



Jason Fox
BIMBO BAKEHOUSE
DISTRIBUTION LEADER BBH

"ENNAT has many products to choose from that will suit everyone's needs. Racking safety, walkway safety and everything in between. Easy installation as they have many options for install. And replacement parts are readily available but I don't believe you would ever need them as the quality of the product is unsurpassed. As I mentioned these are probably the best rails out there and we love them. They look great and don't look to industrial. More subtle I believe."



Herman Ferrada Soto
CCU
Deputy Project

"Since 2015, we have been operating and preferring ENNAT protections in our 27 DCs throughout Chile with excellent results that have exceeded our expectations. We have achieved significant savings due to a reduction in repairs and improved our security conditions, which we will continue to enhance in the future."



Patrick Jones
NESTLE
ELECTROMECHANICAL MAINTENANCE TECH.

"The customized solution provided by ENNAT perfectly protected our automated pallet wrappers, which are used 24/7. Their protective measures have significantly enhanced our safety standards."



Felipe Valdez
DUNOSUSA
Director of

"ENNAT advised us and presented a comprehensive protection proposal for our 25,000 m² DC in Yucatán. We replaced all the steel protections with ENNAT technology, and your products have met our expectations."



Rodrigo Guallar Korn
SC JOHNSON & SON
Logistics Manager for Chile and Mexico

"ENNAT protections have provided solutions with results exceeding expectations for our Distribution Centers in Chile and Mexico. They have minimized rack repair costs and significantly improved the safety and aesthetics of our facilities."



Susana Morales Córdova
SCHAEFFLER
Material Flow Leader

"We began working with ENNAT in 2020 at one of our plants in Mexico, where we verified the innovation and high quality of their products, achieving savings in repairs and facility damage. We now standardize ENNAT products across our plants in Mexico and plan to explore their innovative product portfolio further."



Kirby Reiner
54 INTRALOGISTICS

"ENNAT came through and provided a custom solution for building column protection. This was a situation in which certain requirements had to be met, and there were no standard products available to meet customers requirements. ENNAT was able to meet requirements, and provide samples to our customer so they could verify this solution would work."

I highly recommend Ennat and their products. ENNAT products are top of the line, they offer custom solutions, and their sales team is a pleasure to work with."



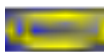
Jose Miguel Miranda
CODELPA
Logistics manager

"ENNAT products have helped us protect our entire Distribution Center, resulting in increased safety, cost savings, and improved aesthetics in our warehouses."



Francisco Ramirez
WATT'S
Head of Equipment Acquisition

"We replaced all the DC metal protections with ENNAT'S Barrier System, which combines rubber with steel. This change has raised the safety standard of our warehouses and generated savings in the replacement and maintenance of our racks."



Adriana Caponi
IKEA
Project

"ENNAT protections met our expectations and the expected quality and safety standards. They have an excellent team of highly professional installers, and their products are of very good quality."



Faron Lewis
JACK DANIEL DISTILLERY
Processing Manager

"ENNAT's standard barrier was the perfect solution to protect our electrical boxes from forklift traffic. Since installation, we've seen a significant improvement in safety and reduced risks. We're very satisfied with the results"



Álvaro González López
GEPP
National Project Manager

"We are very happy and satisfied with the quality of ENNAT'S products and service. They have provided us with considerable savings in maintenance costs by raising our safety standards. We are implementing their protections in all our warehouses throughout the country."



Hans Fierro
LUSANLATAM
General Manager
Perú y Bolivia

"We are pleased to be distributors of ENNAT since 2022, bringing innovation for rack and personnel protection to companies and warehouses in Peru and Bolivia."



Veronica Glatzel
Z.CCU
HELLMANN
Projects and Developments Deputy Manager
"ENNAT helped us develop a customized solution. The product is of excellent quality, and the installation was impeccable."



PRODUCTS

Our products have been developed to answer the demanding safety needs of Logistics Centers and Productive Industries, its resistance prevents damage to infrastructure, generating relevant savings.

LOW BARRIER



STANDARD BARRIER



DOUBLE BARRIER



PEDESTRIAN BARRIER



FENCE BARRIER



TUNNEL BARRIER



COLUMN BARRIER



COLUMN PROTECTOR



GOAL POST



PEDESTRIAN GATE



SIGN POST



BOLLARD



RACK PROTECTOR



DELIMITER



CUSTOM DESIGNS

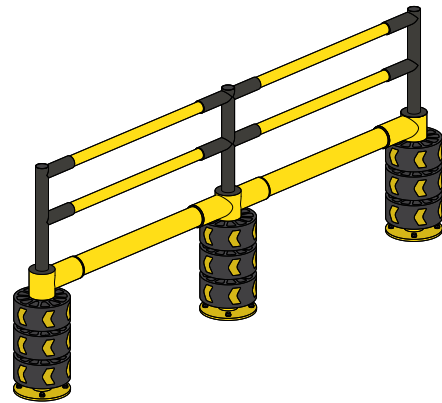
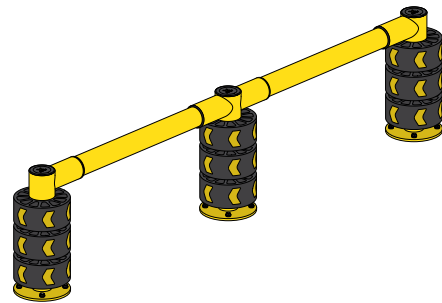
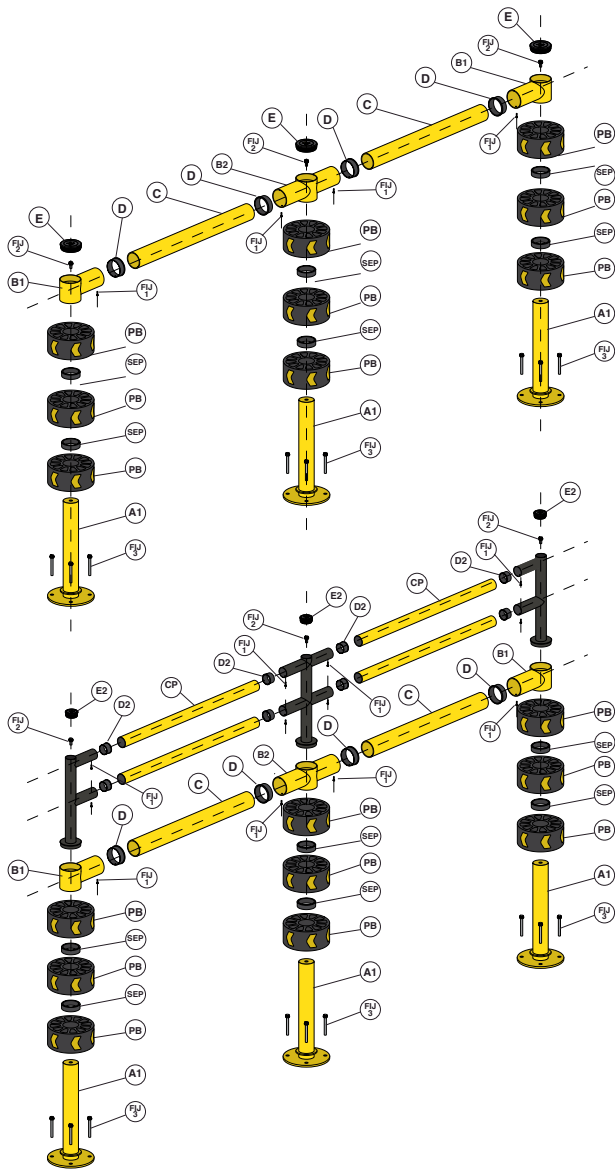


ROLLER BARRIER



MODULAR SYSTEM

The modular construction allows for generating a wide range of possibilities, creating solutions tailored to the specific requirements of every operation.



DIFFERENT LENGTH CONFIGURATIONS



RACK PROTECTOR PR

The ENNAT Rack Protector is designed to protect the uprights of the racks. Its patented design with controlled deformation and a height of 20" provides protection against shocks during the pallet loading and unloading operations, without reducing free storage space. Its design with surrounding fins generates a better grip on the rack when using any of the 3 alternatives for fixing the rack.

APPLICATIONS

Protection of storage rack uprights with or without horizontal beams.

TECHNICAL INFORMATION

Height	16' 4" (500cm)
T Range	-4°F to 158°F (-20°C to 70°C)
Anchor Type	1 1/2" Self Drilling Metal Band
Finishing	Matte black with yellow stripes
Material	NR Rubber

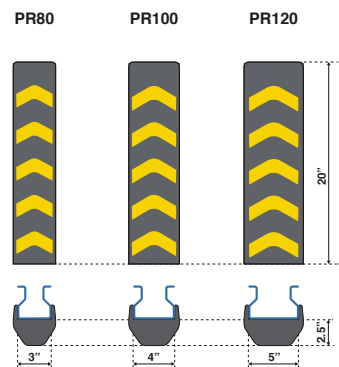
IMPACT ABSORPTION

Energy absorption thanks to the active memory of the material. The inner cavity of the front protector allows the material to deform and convert the forklift's kinetic energy into potential energy stored in the material, which is then restored, "pushing" the forklift.

IMPACT FORCE



DIMENSIONS

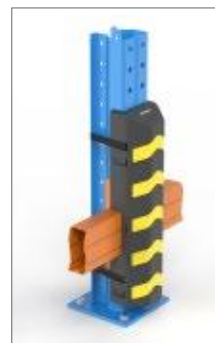


FIXATION ALTERNATIVES

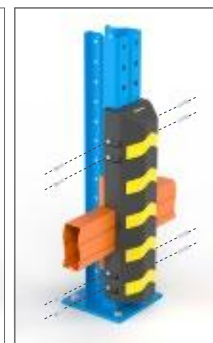
3 different methods of attaching the protector to the rack allow for proper attachment to any type of rack.



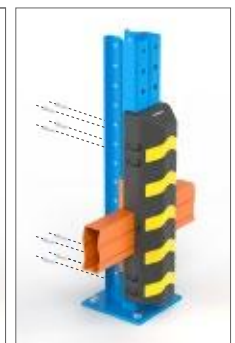
Complies with the European Standard FEM 10.2.02



WRAP-AROUND FIXATION
WITH METALLIC STRAP

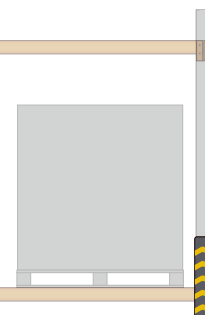
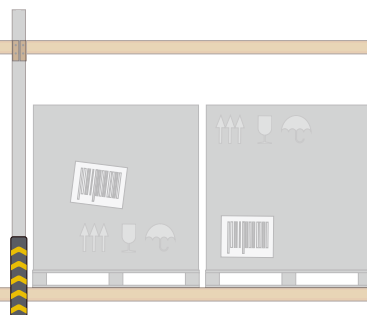


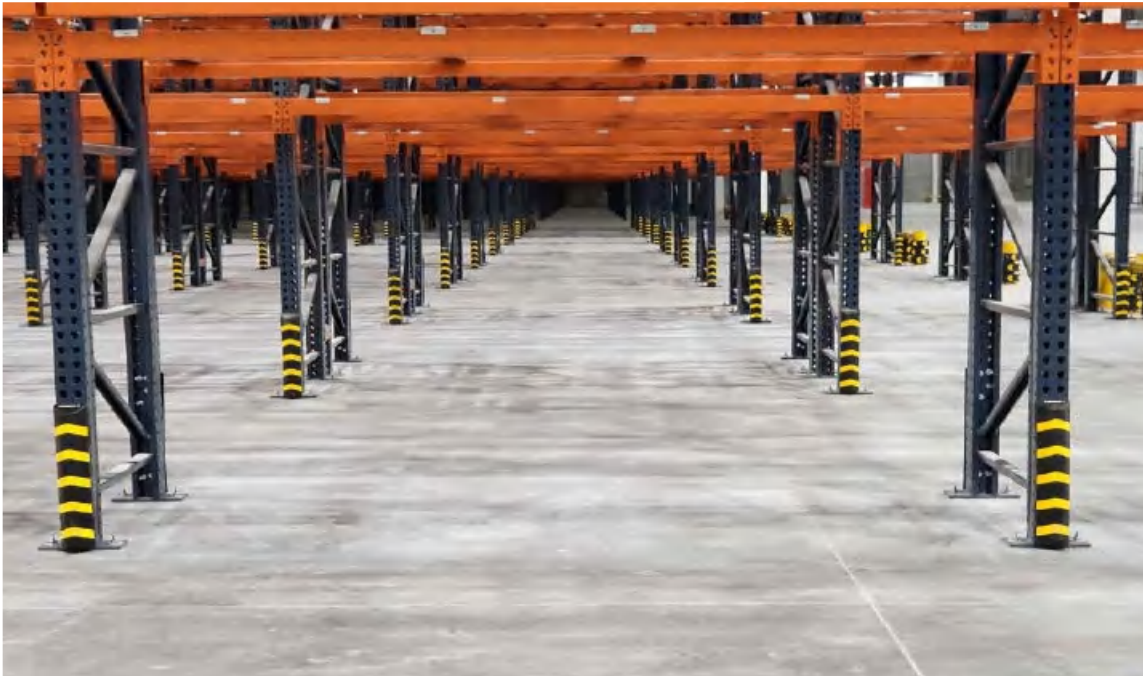
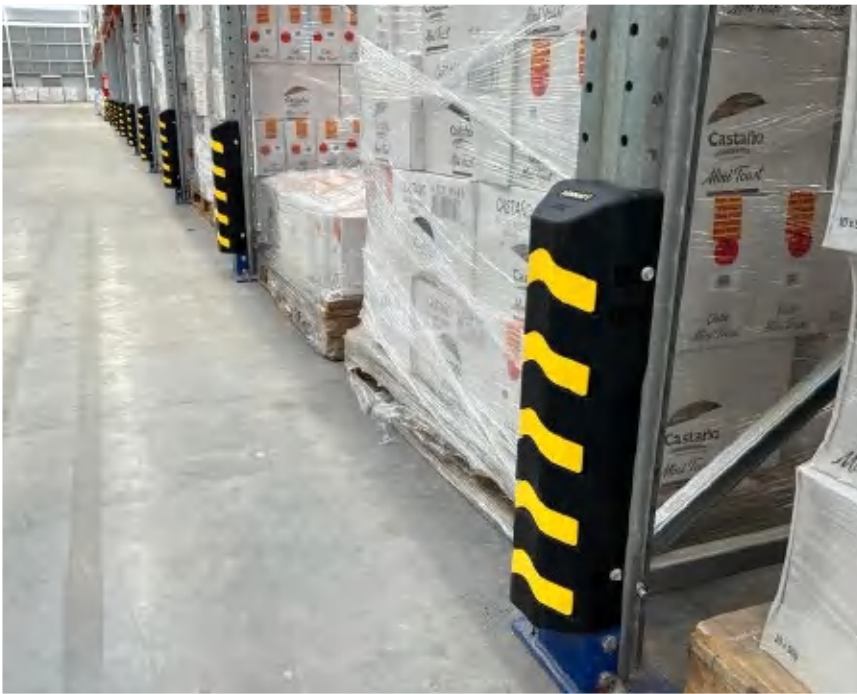
LATERAL FIXATION
WITH SELF-PERFORATING



REAR FIXATION
WITH SELF-PERFORATING

EFFECTIVE IN STRUCTURES
WITH OR WITHOUT BEAMS





LOW GUARDRAIL B1

The lowest of the ENNAT Barriers constitutes a circulation guide for forklifts that transit within a distribution center and is able to prevent potential collisions against weak or sensitive structures, such as frames of walking zones or delimitation zones for storage areas.

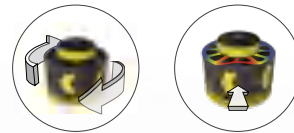
Its low structure does not visually obstruct the area, but it can withstand the impact of the collection operation.

APPLICATIONS

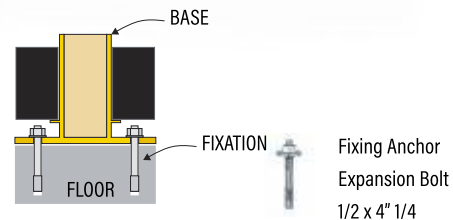
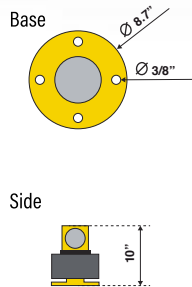
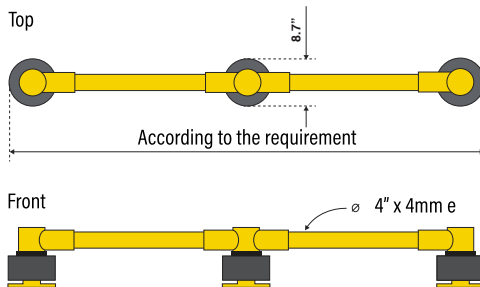
Demarcation of areas, protection of cold chamber panels, and segmentation of storage areas, among others.

TECHNICAL INFORMATION

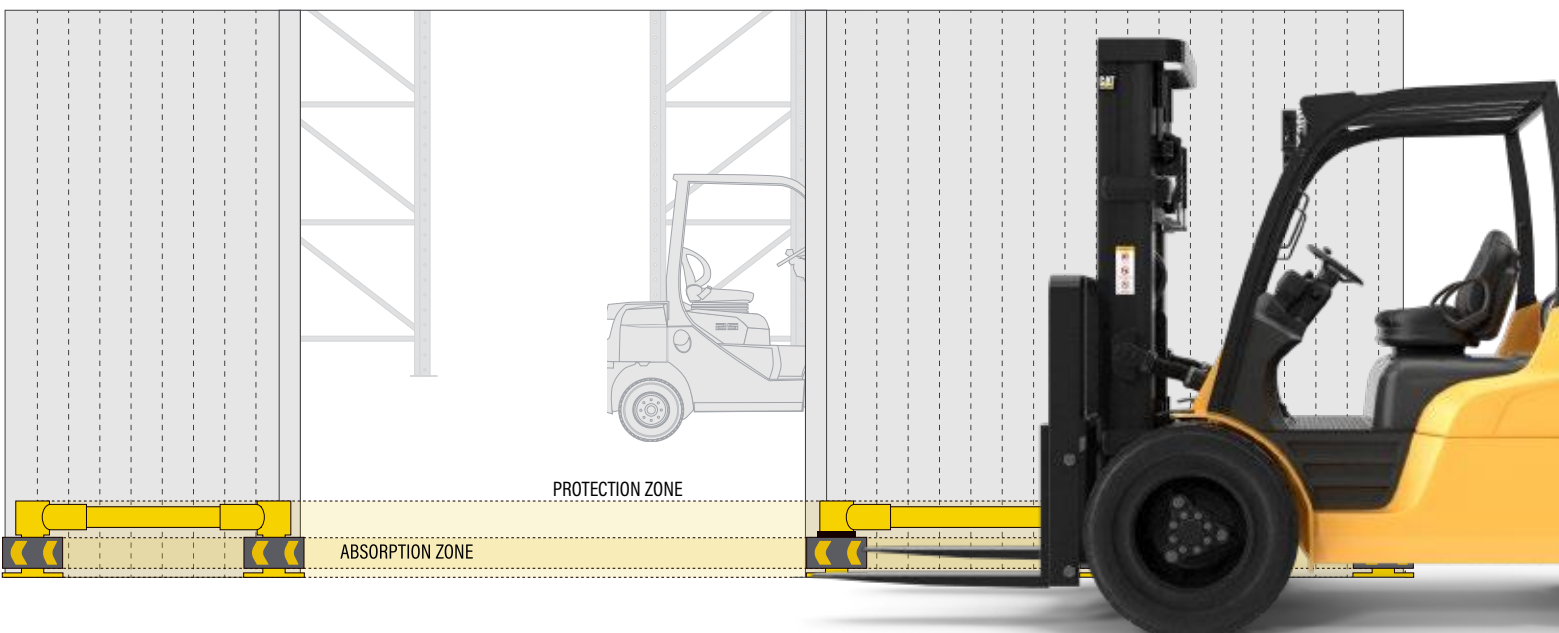
Height	Up to 9.8" (25cm)
Length	According to Requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	Steel ASTM A36 / NR Rubber

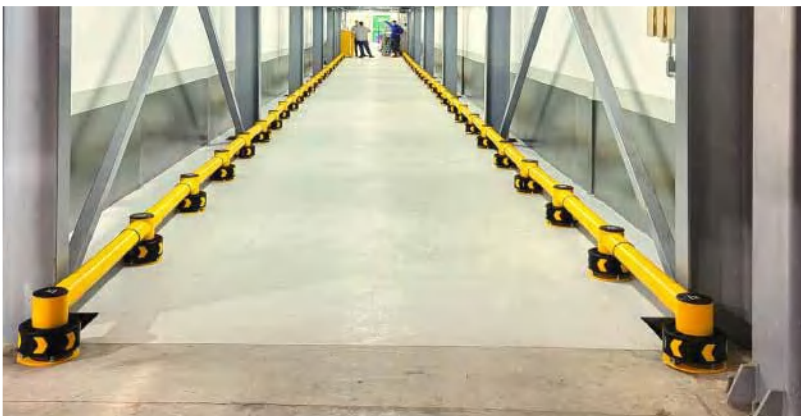


DIMENSIONS



* LENGTHS AND CONFIGURATION ACCORDING TO SPECIFIC REQUIREMENTS





STANDARD GUARDRAIL B3

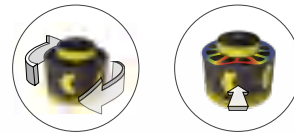
Specially designed to protect areas exposed to high-energy shock. The absorption zone of the standard barrier is the highest in Ennat's range of barriers, as it is intended to absorb and divert forklift impacts.

APPLICATIONS

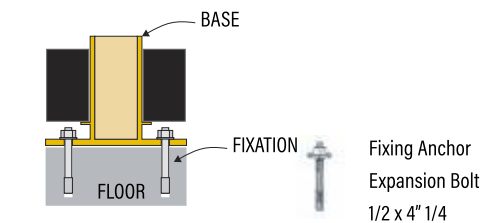
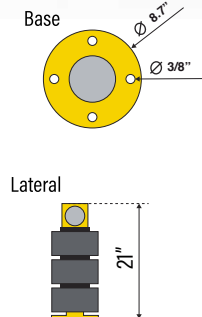
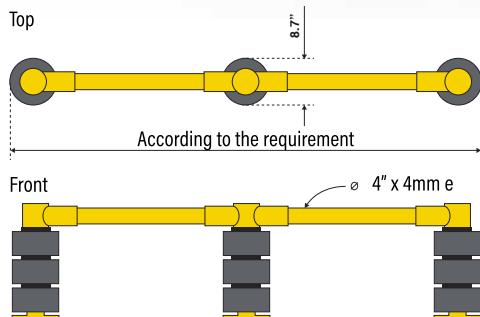
Rack heads, high traffic corridors, offices, automation systems, electrical panels, etc.

TECHNICAL INFORMATION

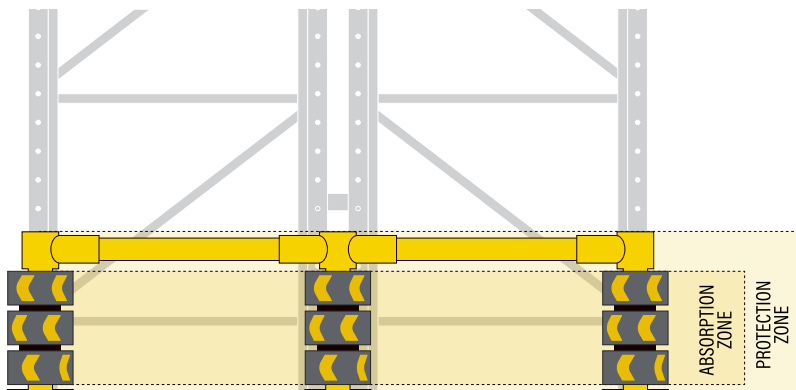
Height	Up to 21.6"
Length	According to Requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	ASTM A36 Steel / NR Rubber

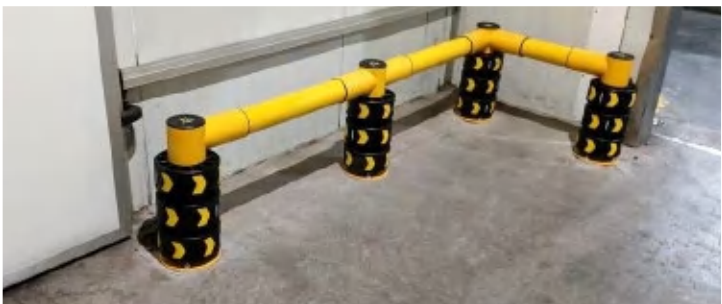
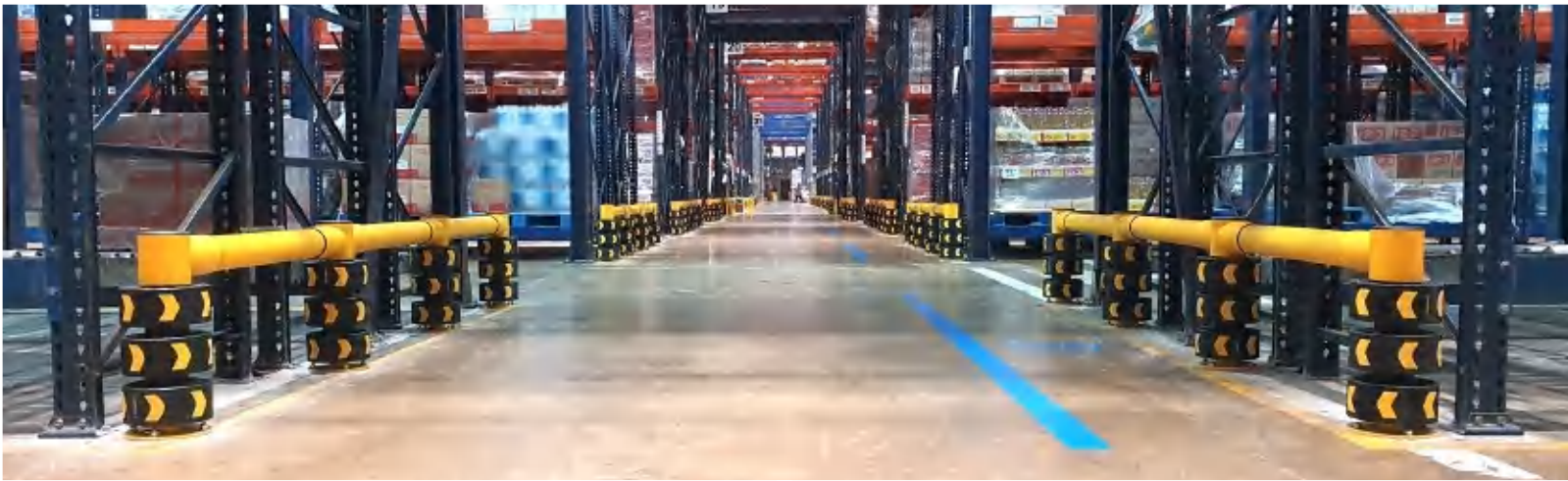


DIMENSIONS



* LENGTHS AND CONFIGURATION ACCORDING TO SPECIFIC REQUIREMENTS





DOUBLE GUARDRAIL B3-D

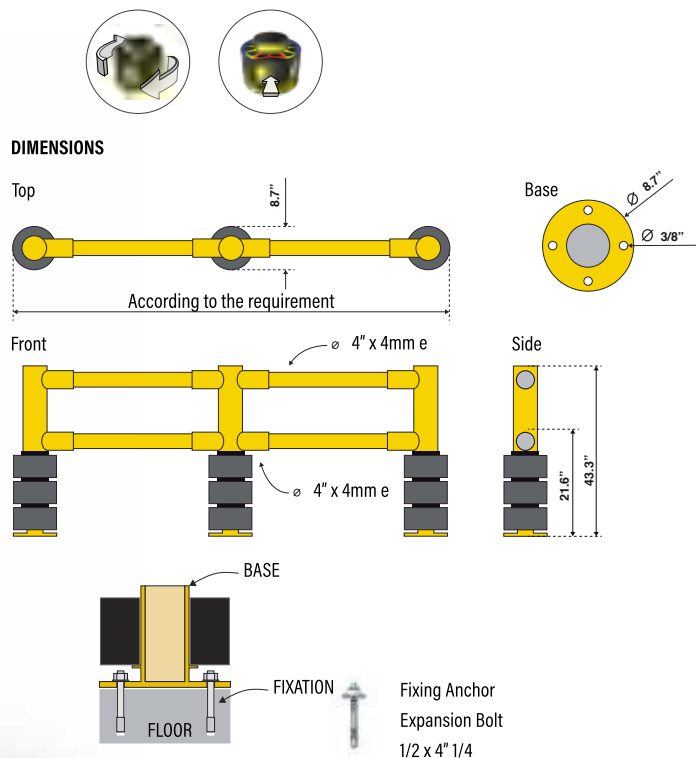
It constitutes the most robust barrier of the line; its design responds to the need to protect the flow of forklifts in double-way circulation areas. Its thick crossbodies prevent both the cargo being transported and the forklift itself from exceeding the barrier towards the opposite way. The lower zone of the barrier is able to absorb and redirect any change in the track of the forklift without problems.

APPLICATIONS

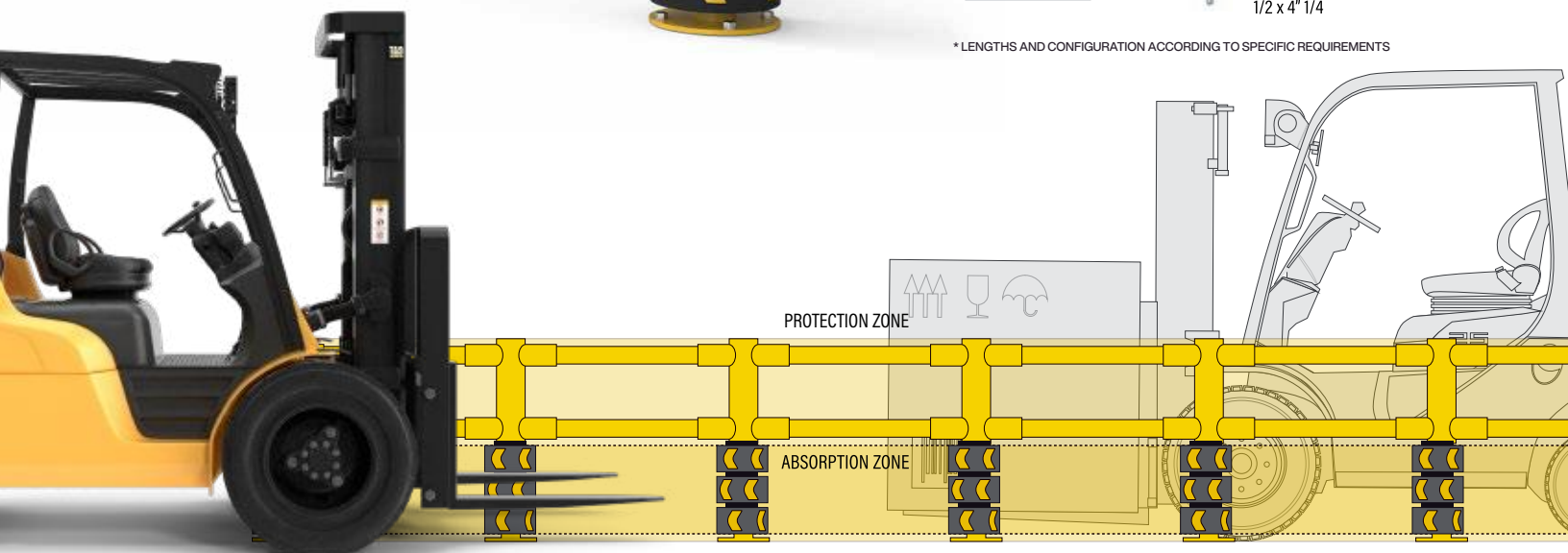
Forklift flows segregation, high flow zone segmentation, structures requiring additional protection, etc.

TECHNICAL INFORMATION

Height	43.9"
Length	According to Requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	ASTM A36 Steel / NR Rubber



* LENGTHS AND CONFIGURATION ACCORDING TO SPECIFIC REQUIREMENTS





PEDESTRIAN GUARDRAIL B3-P

Its structure with a standardized 110cm height generates the necessary segregation to protect personnel who move in areas where there is also low-speed vehicular or forklift traffic. The lower area of the barrier is capable of absorbing and resisting high-energy impacts caused by accidents, while the upper area provides additional protection and a sense of security thanks to its 110 cm height.

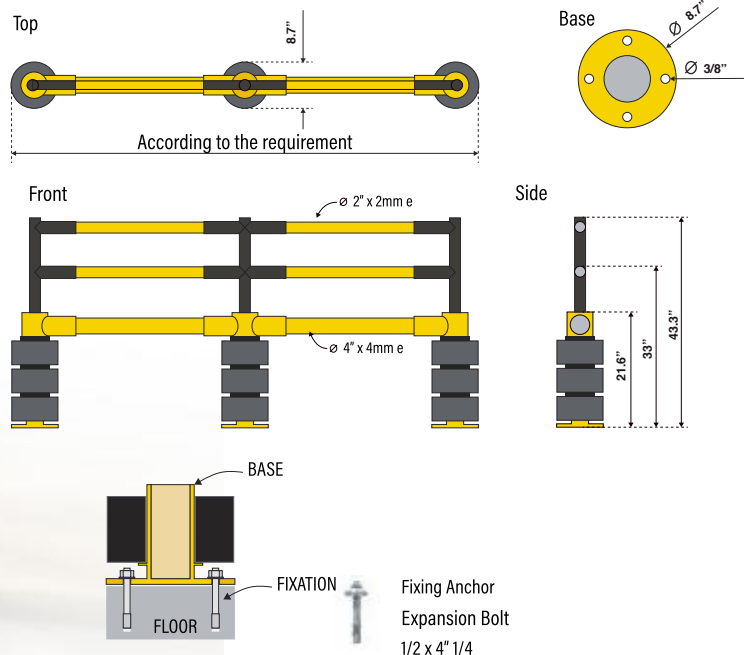
APPLICATIONS

Separation of pedestrian and forklift flows, pedestrian circulation in vehicular parking areas, pedestrian crossings, protection of access to offices or other facilities, etc.

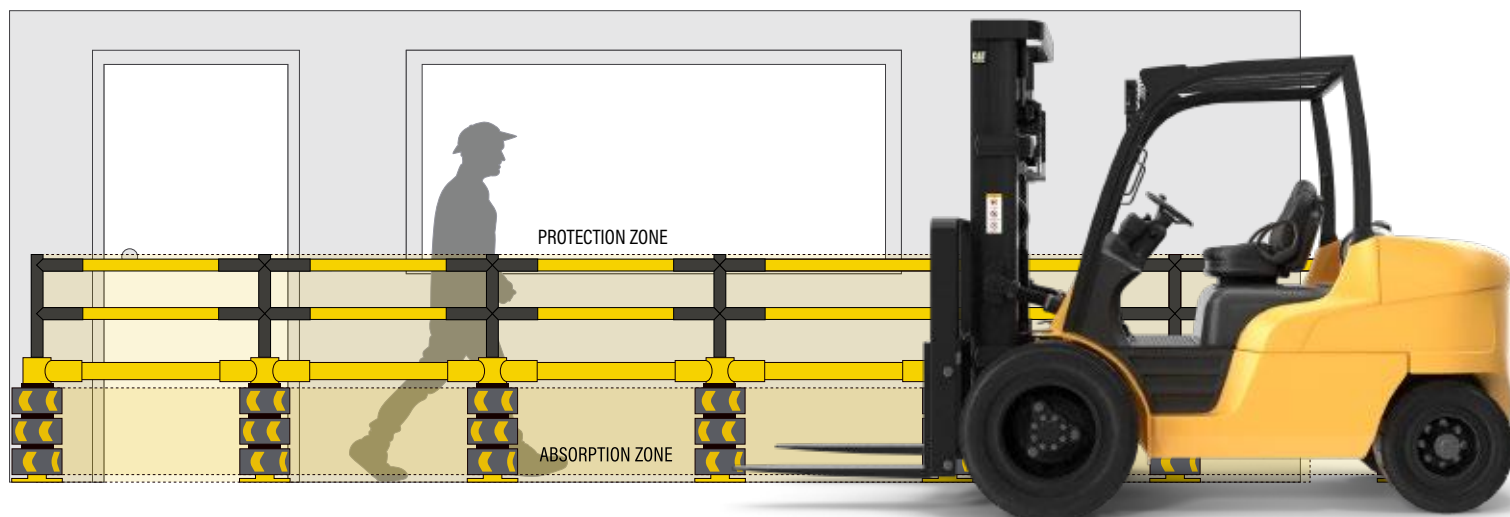
TECHNICAL INFORMATION

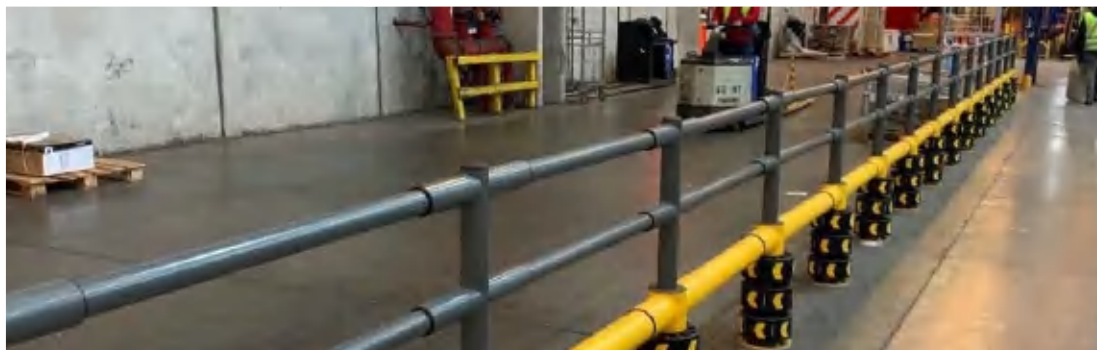
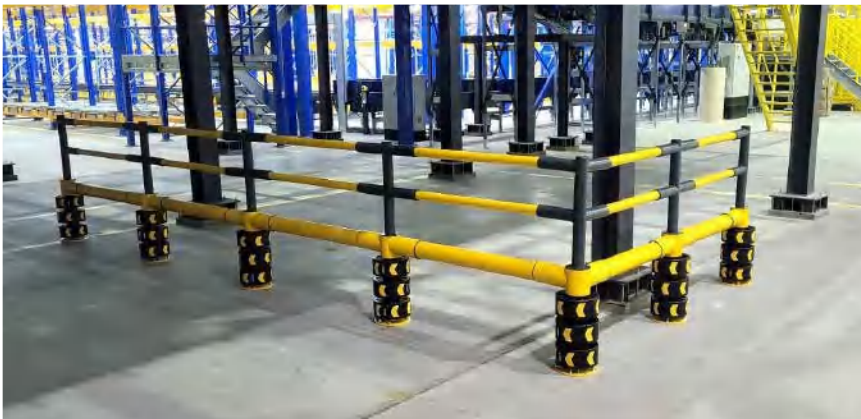
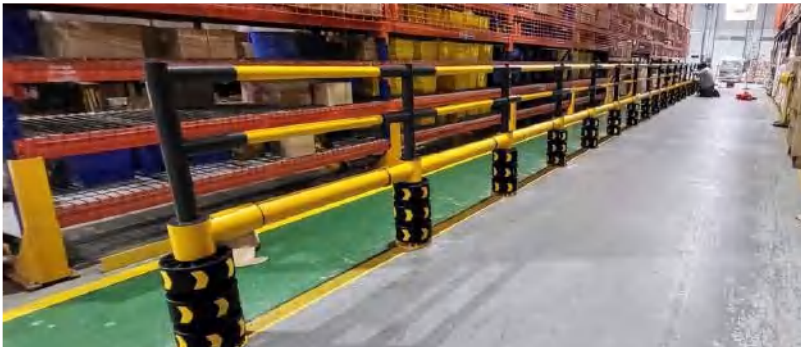
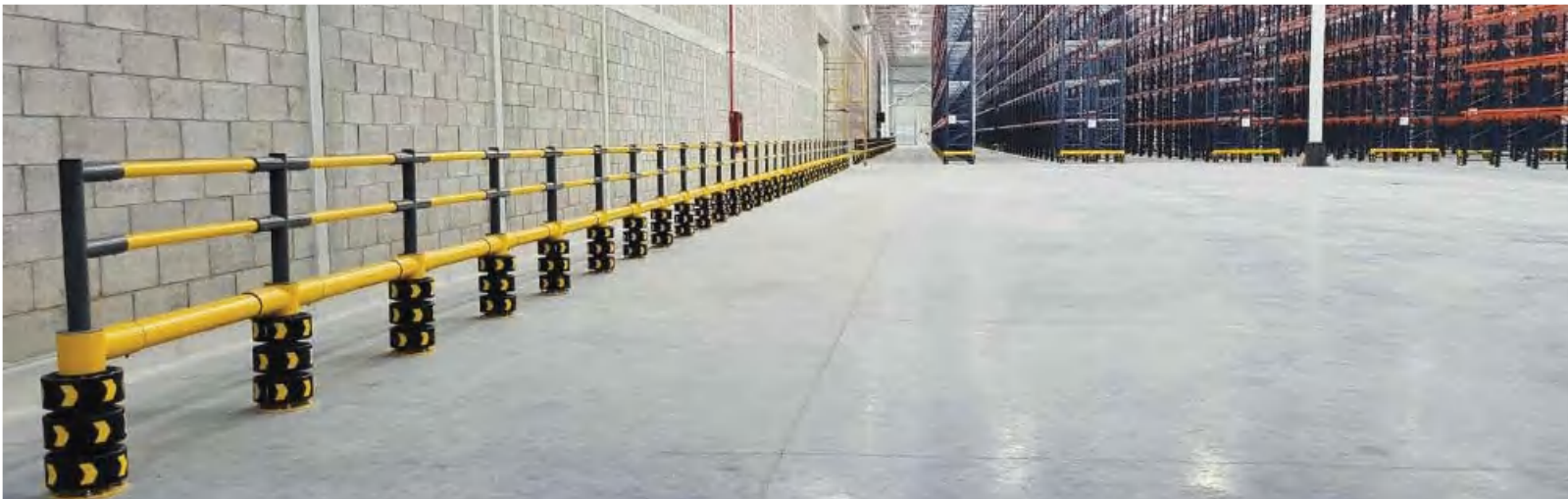
Height	43.9"
Length	According to Requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	ASTM A36 Steel / NR Rubber

DIMENSIONS



* LENGTHS AND CONFIGURATION ACCORDING TO SPECIFIC REQUIREMENTS





TUNNEL BARRIER BG

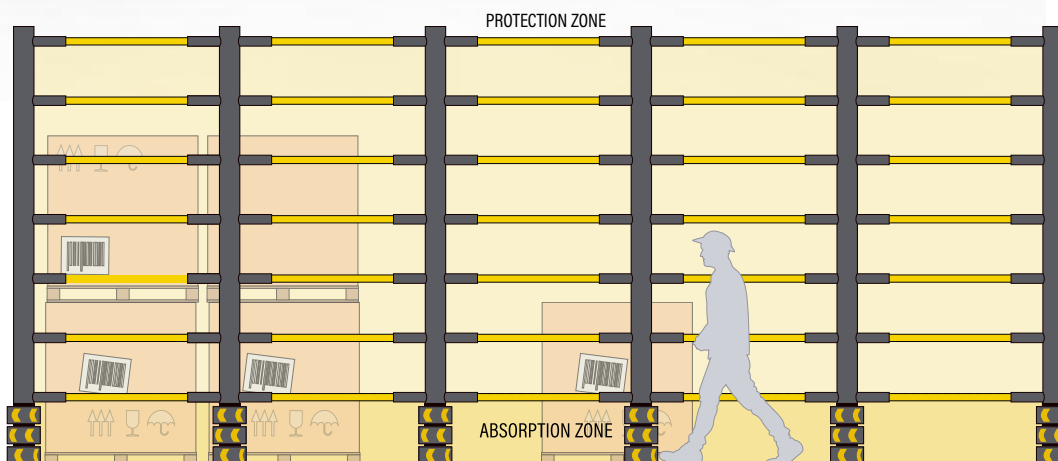
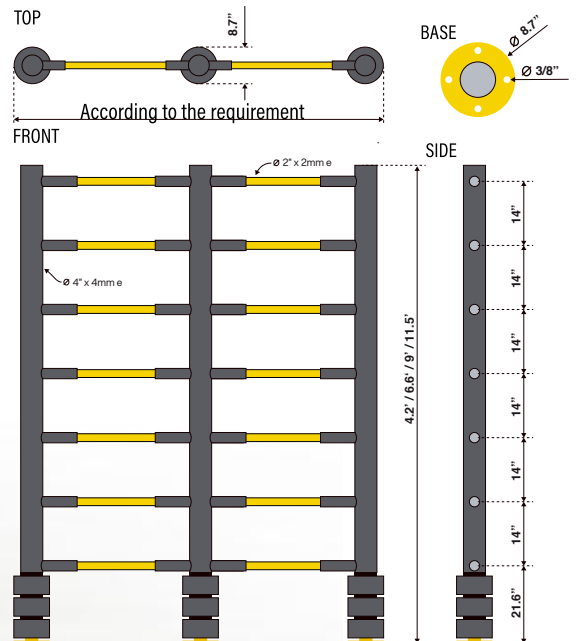
Specially designed to protect pedestrians from heavy objects that may fall due to being stacked at a height, this barrier generates effective protection against higher incidence hazards. It also provides protection for forklift traffic that could impact pedestrians on traffic lanes. Depending on the requirements, it can be anchored to a side wall or be self-supporting, creating a protection tunnel.

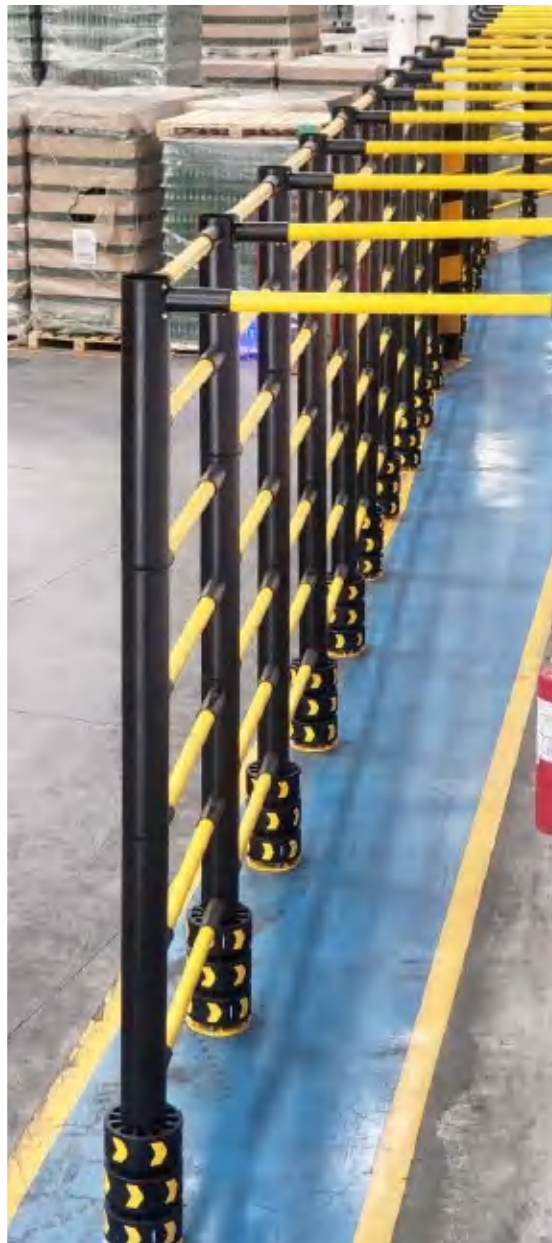
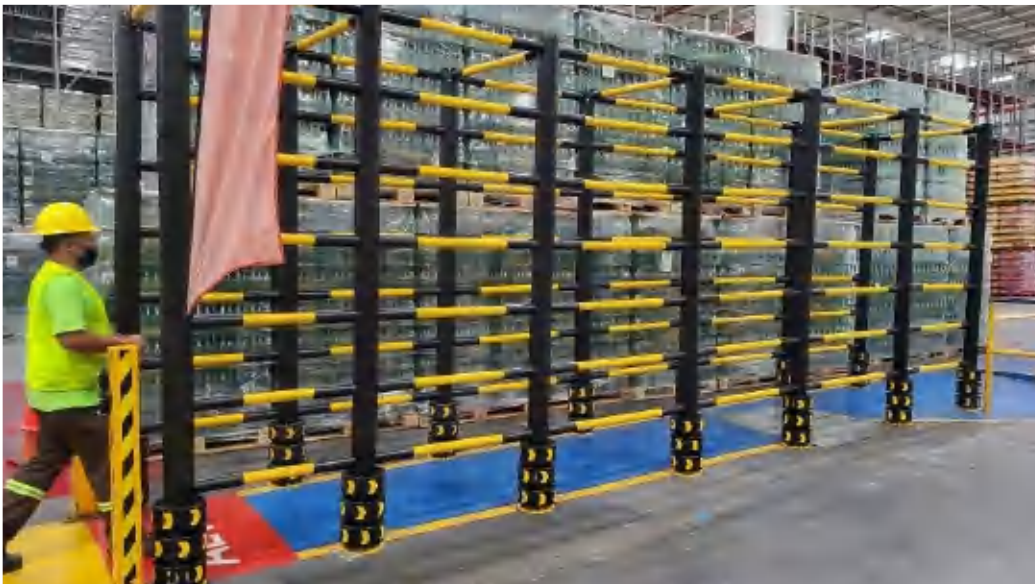
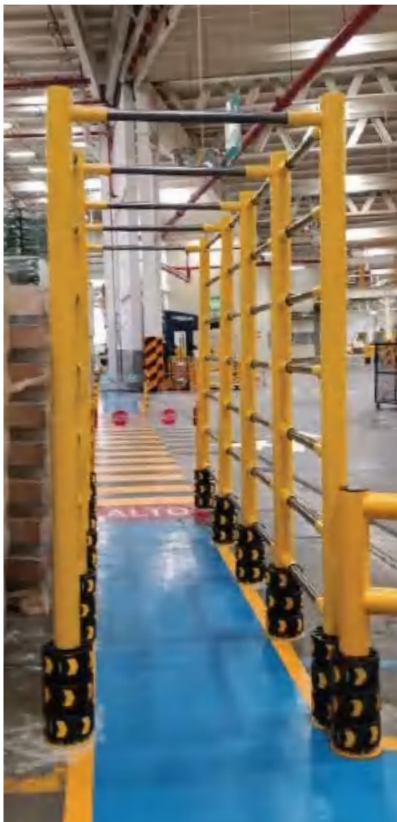


TECHNICAL INFORMATION

Height	6ft 7in / 9ft 2in / 11ft 6in
Length	According to requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic pPaint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	ASTM A36 Steel / NR Rubber

DIMENSIONS





FENCE BARRIER B3-M

This barrier is designed to prevent accidents caused by spills of products stored at height. The upper section is made up of wire mesh that retains elements that can harm people who move on the other side of the barrier, while the lower zone can resist potential impacts of machinery to reduce the necessary repair costs that are typically associated with this type of barrier.

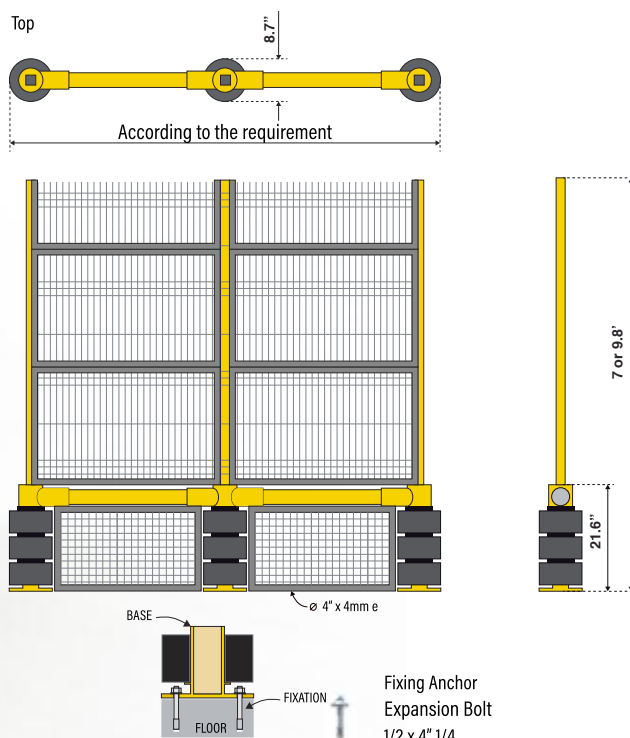
APPLICATIONS

Areas with pedestrian circulation and storage of products at height, segmentation of areas to generate individual storage units, separation of bulk storage, and safe storage of high-value objects, among others.

TECHNICAL INFORMATION

Height	7.1' / 9.8'
Length	According to Requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	ASTM A36 Steel / NR Rubber

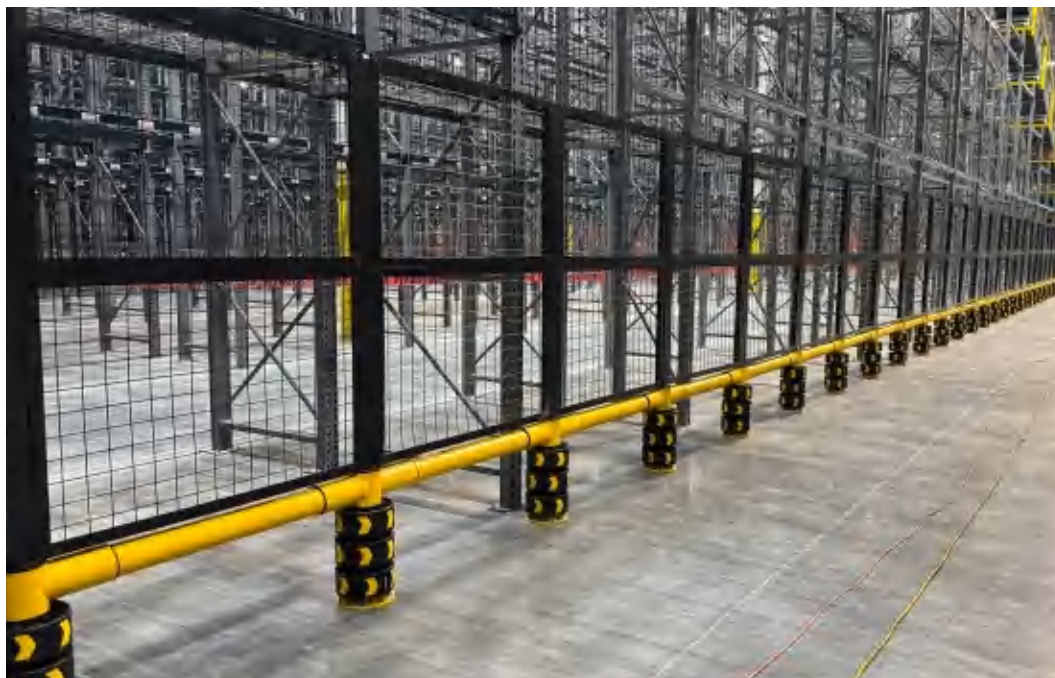
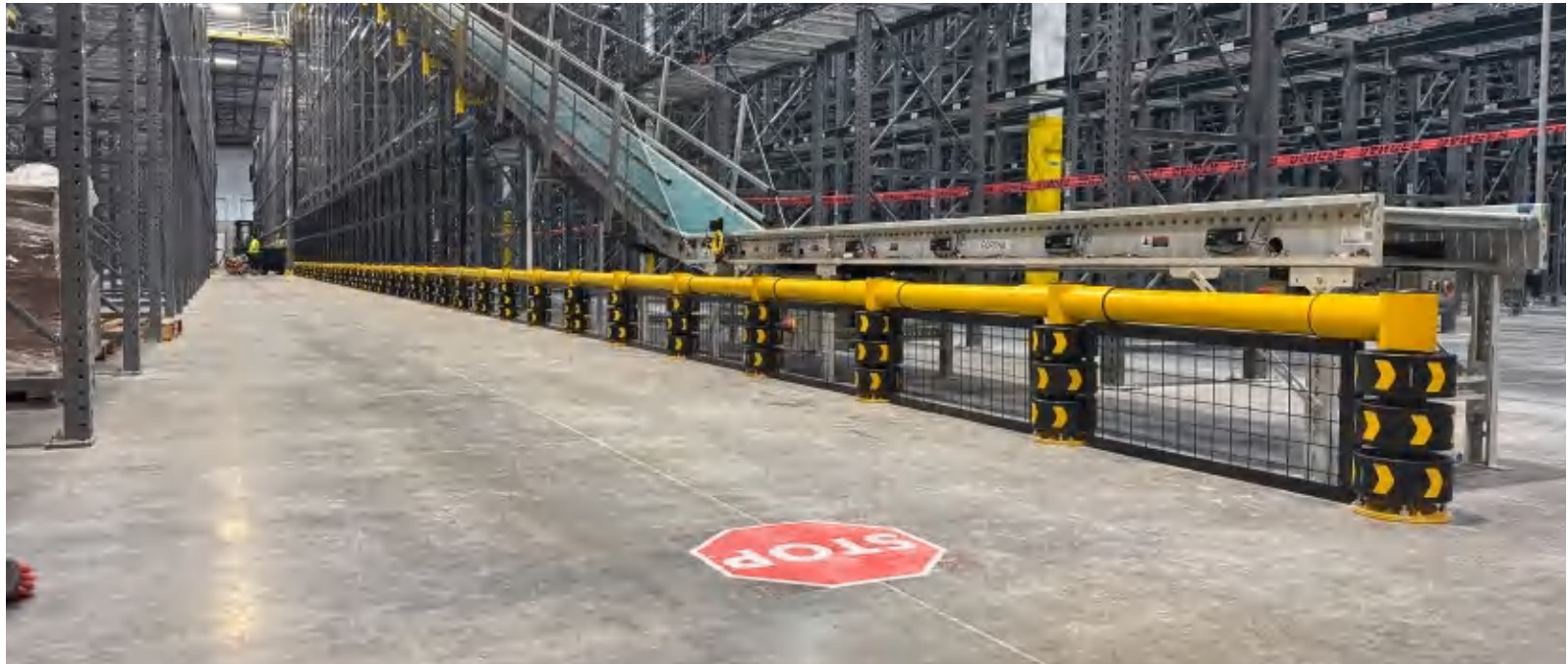
DIMENSIONS



* LENGTHS AND CONFIGURATION ACCORDING TO SPECIFIC REQUIREMENTS

PROTECTION ZONE





COLUMN BARRIER BP

Designed to protect structural columns that are exposed to high-energy shocks, its modular structure allows configurations according to the customer's specific requirements and protection heights, combining the strength of steel and the flexibility of rubber modules.

APPLICATIONS

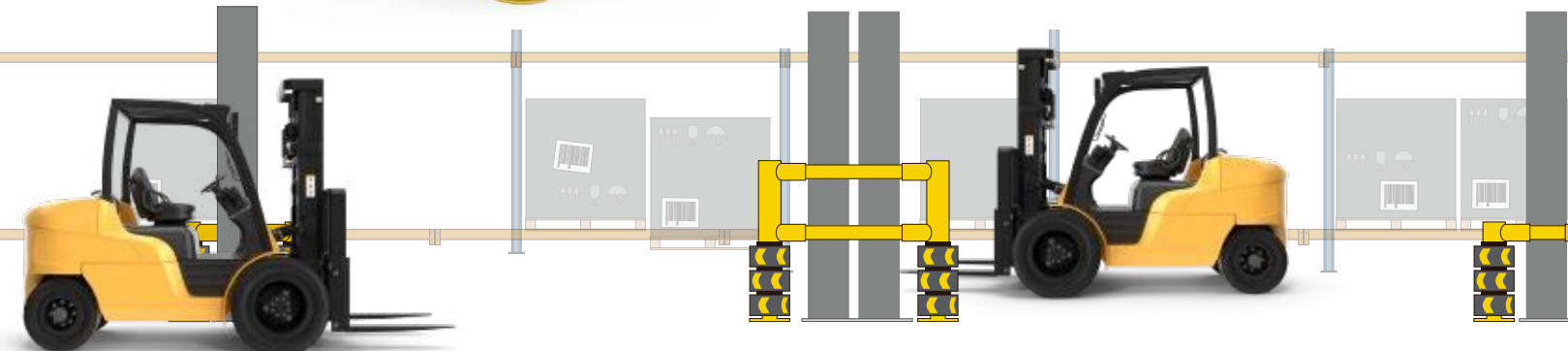
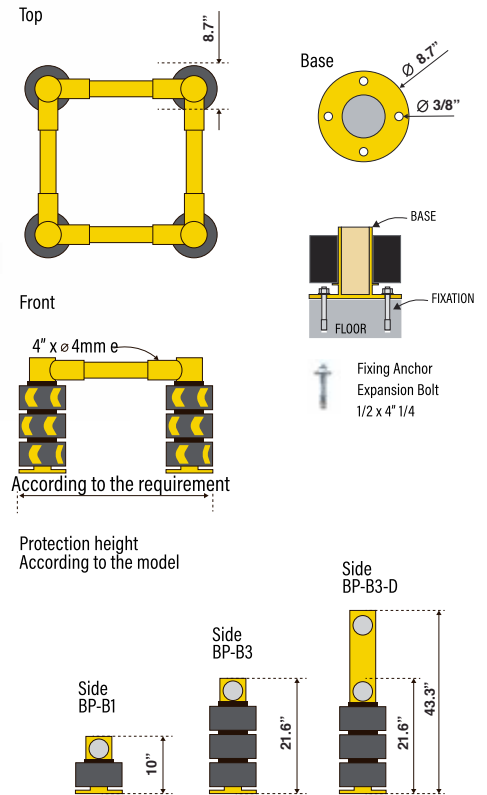
Structural columns exposed to high-energy impacts.

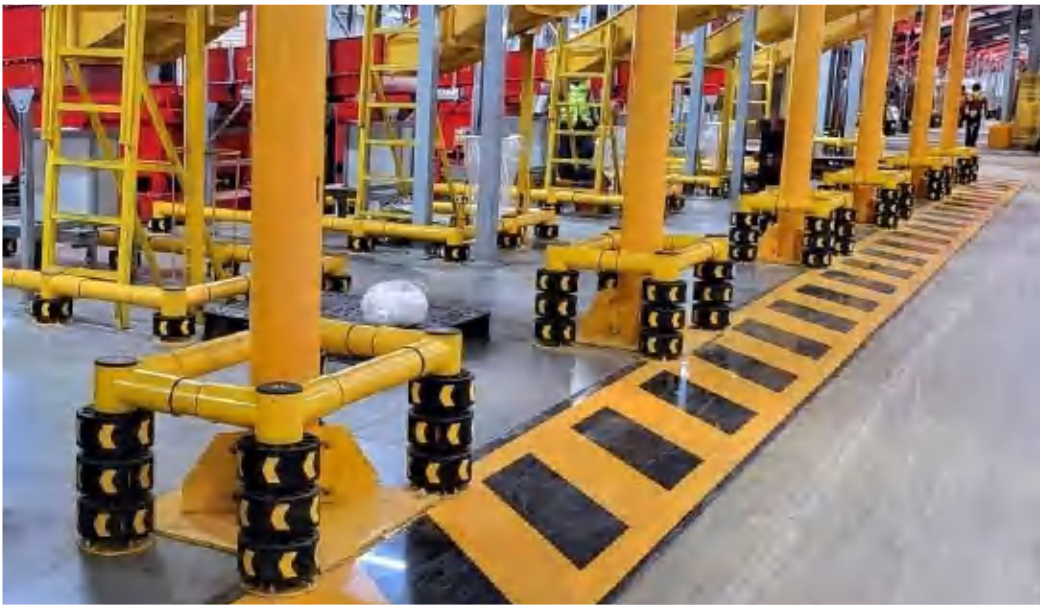
TECHNICAL INFORMATION

Height	Up to 43.9"
Length	According to Requirement
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt (4 units per base)
Material	ASTM A36 Steel / NR Rubber



DIMENSIONS





BOLLARD BOL

The ENNAT Bollard protects delicate or high-cost items, such as rails, cargo door curtains, and warehouse doors. With a fraction of the cost of a barrier, it is possible to obtain a high capacity of protection in exposed corners. It is also very useful in areas where low-speed vehicular traffic or forklifts must be restricted without blocking pedestrian flow or access for small-sized elements.

APPLICATIONS

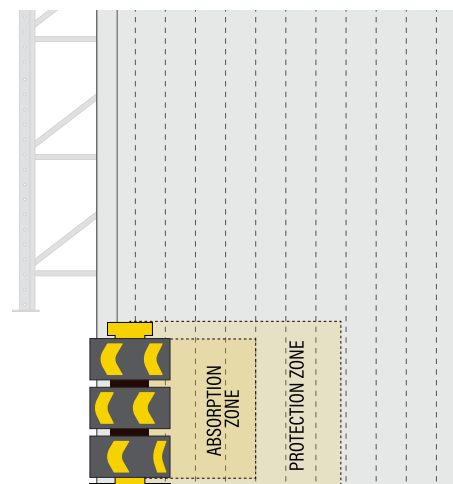
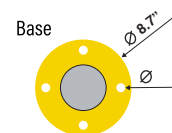
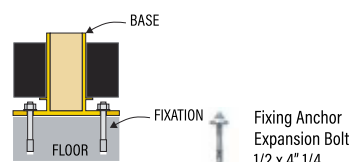
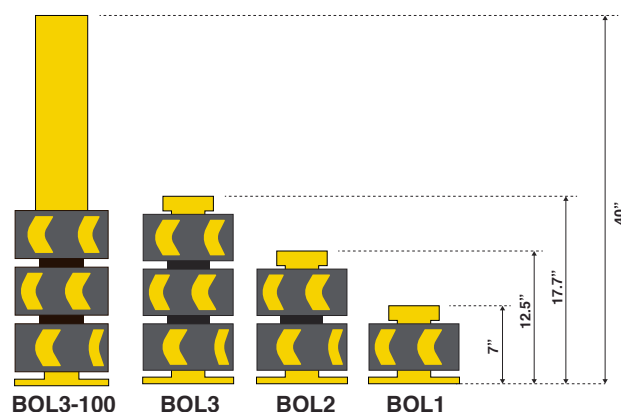
Protection of rails and door curtains, warehouse doors, vehicle or forklift flow restrictors, turn points exposed to impacts, etc.

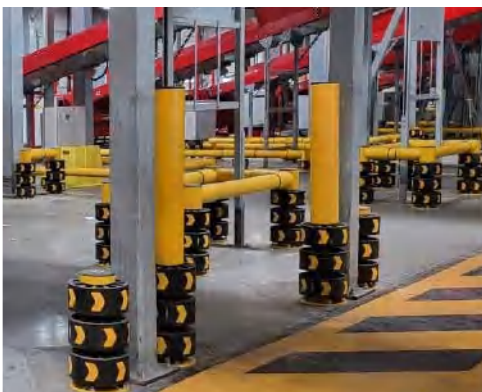
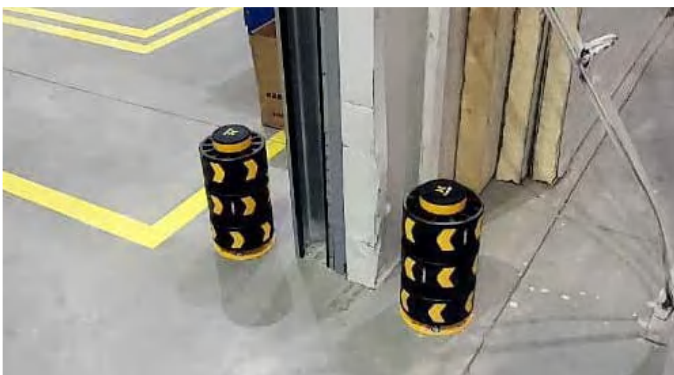
TECHNICAL INFORMATION

Height	Up to 49.3"
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Yellow Electrostatic Paint
Anchor Type	1/2" x 4 1/4" Anchor Bolt
Material	ASTM A36 Steel / NR Rubber

DIMENSIONS

FRONT





LOW BUMPER LB

The Low Bumper is a rubber-based guard with cavities designed to allow controlled deformation, efficiently absorbing impact energy. It is specifically engineered for low-level impacts, where maximum protection against ground-level collisions is required. Thanks to its high-strength metal base, it can be mounted on concrete, allowing the rubber to absorb impacts without compromising the protected structure. Its design makes it ideal for frontal protection in high-value areas, ensuring safety where impacts could cause significant damage.

APPLICATIONS

Ideal for protecting equipment from ground-level impacts, enhances safety at charging stations, and reinforces high forklift traffic areas, minimizing damage.

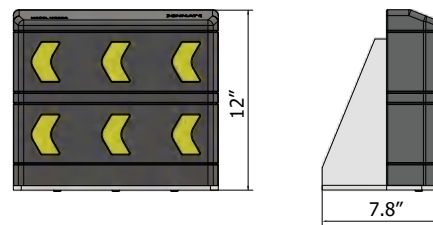


TECHNICAL INFORMATION

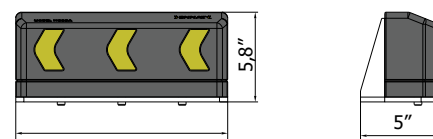
Height	5.8" or 12.1"
Finishing	Black with yellow stripes
T Range	0°F to 160°F
Materials	Steel and NR Rubber

DIMENSIONS

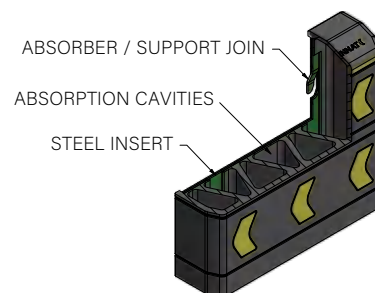
LB30

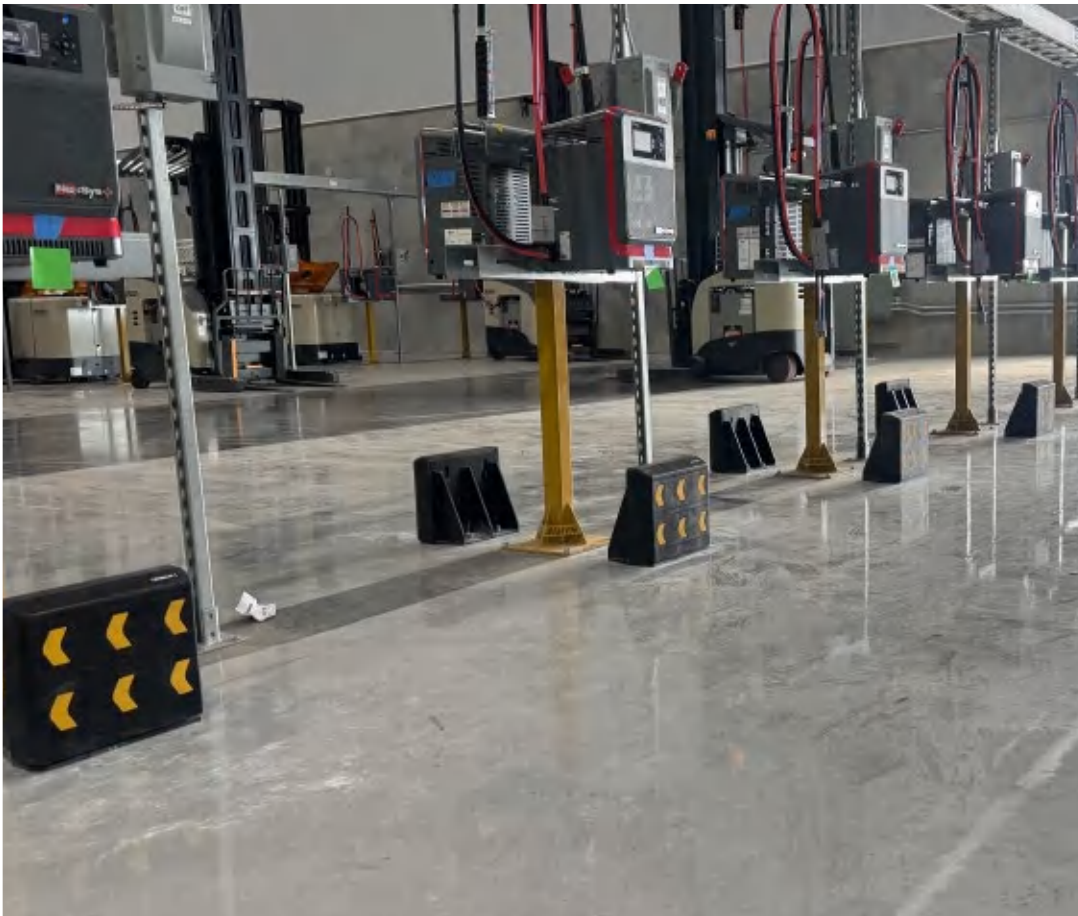
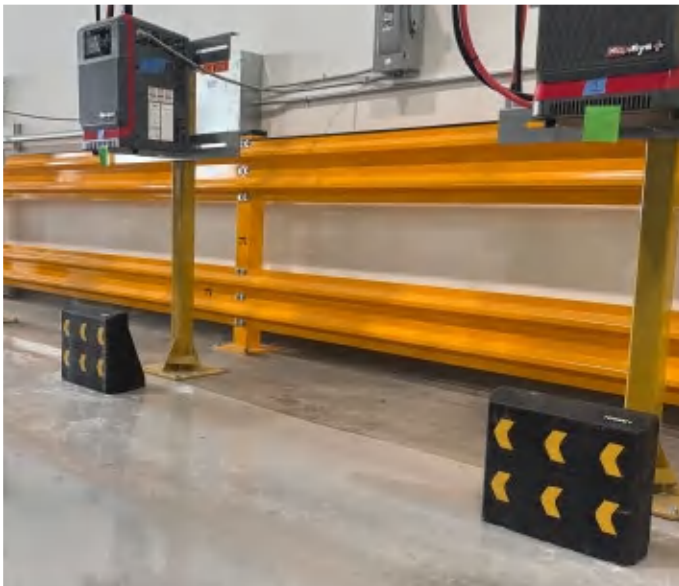
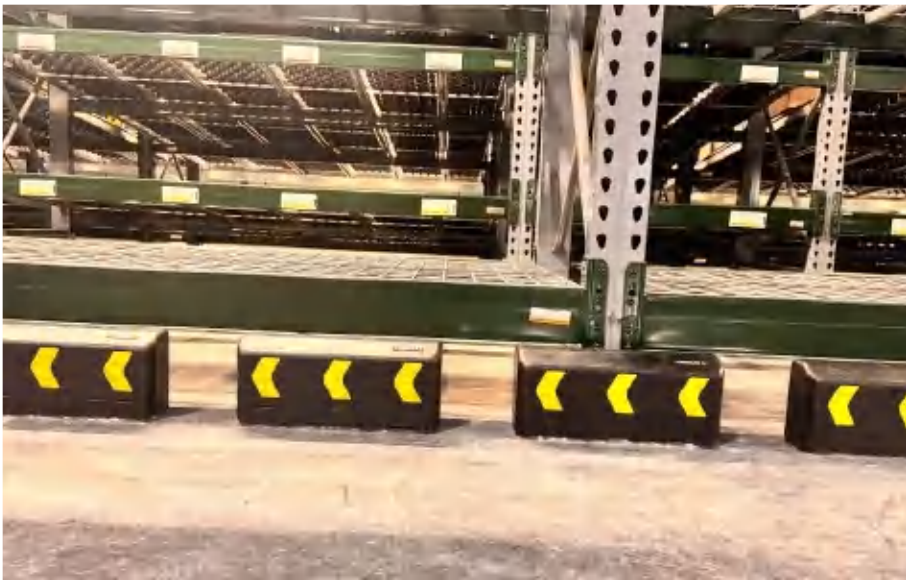


LB15



IMPACT ABSORTION:





SIGN POST SIG25 / SIG80

Enhancing safety through visibility, ENNAT'S sign post is compatible with all our products. Its design allows for the installation of danger signals or flow directions like "stop" and "danger". Perfect for intersections or areas that require increased visibility or clear communication with personnel. Its sturdy structure ensures durability and seamless integration into any setting.

APPLICATIONS

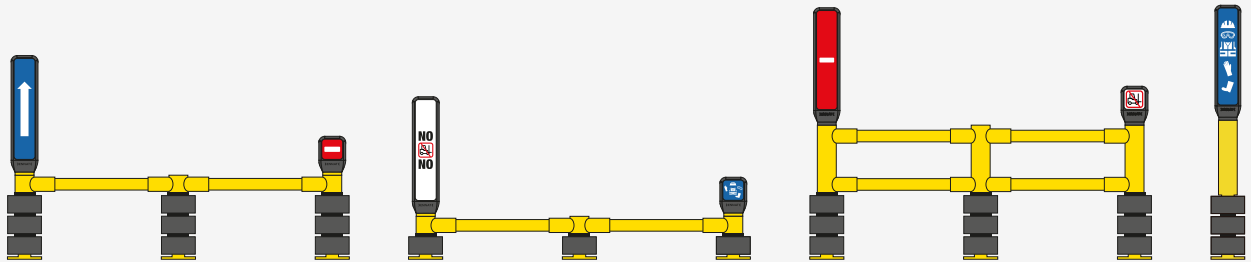
Visibility improvement at intersections, high-risk areas, traffic flow signaling, communication of safety instructions, etc.

TECHNICAL INFORMATION

Height	10.4" SIG25 / 31.5" SIG80
Material:	High-resistance Polypropylene
Color:	Black
Fixing Method:	Special bolts included
Stickers:	5 self-adhesive designs included
Orientation:	Adjustable according to user needs

Adaptability

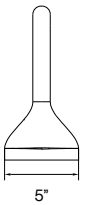
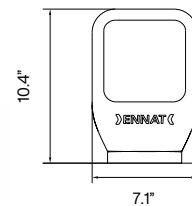
Adapts to different barriers



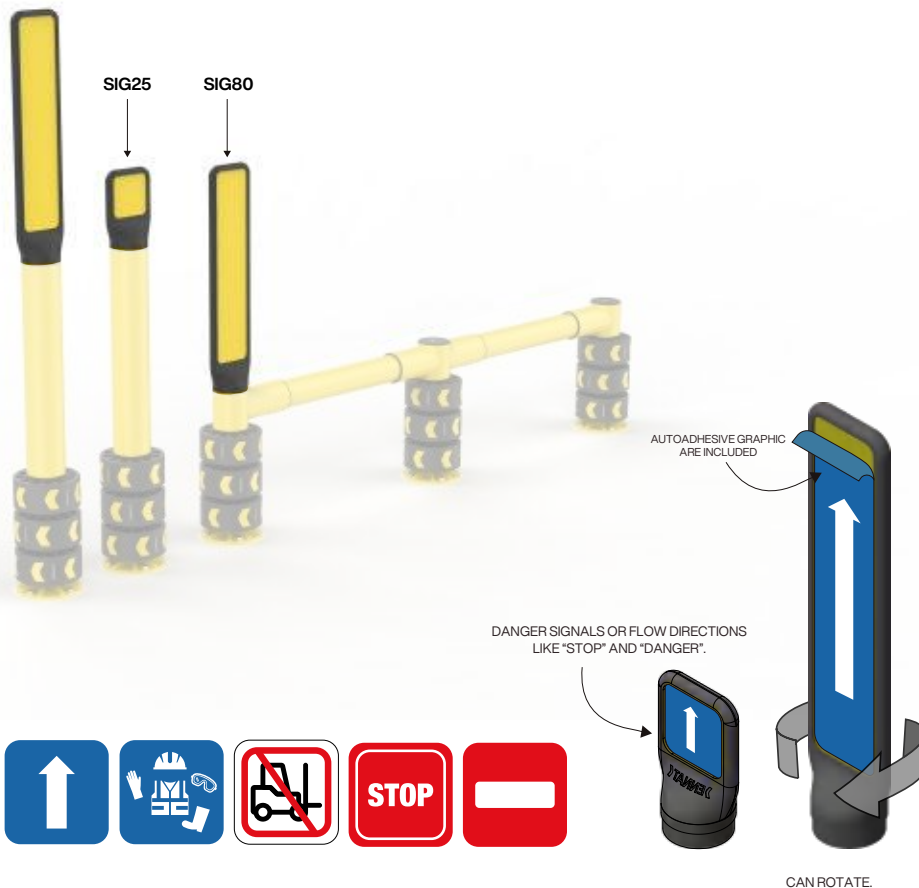
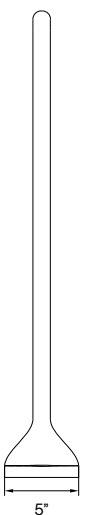
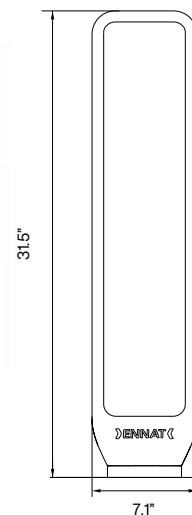
Can increase visibility

DIMENSIONS

SIG25



SIG80





PEDESTRIAN GATE GAT85

Designed to prevent unauthorized access and ensure the safety of pedestrians in forklift operation areas. It automatically closes to prevent overstepping, thereby avoiding potential accidents and protecting people's well-being.

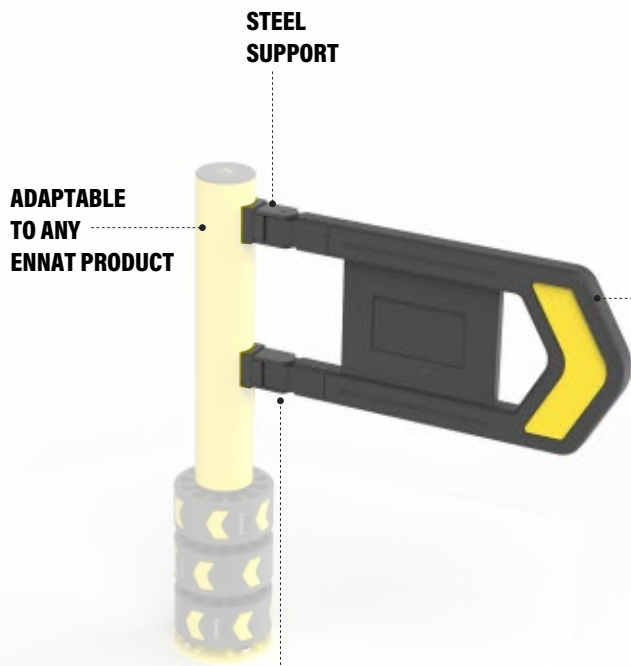
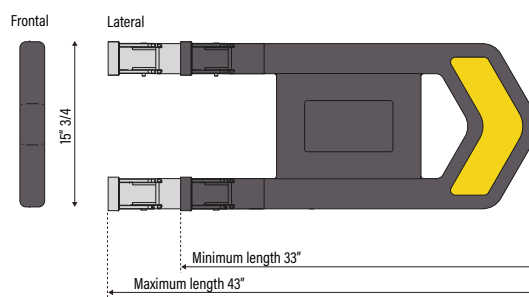
APPLICATIONS

Access to truck loading and discharge areas entrances and exits of industrial warehouses pedestrian crossings in heavy vehicle traffic areas.

TECHNICAL INFORMATION

Height	15.8" 3/4
Length	Adjustable from 33" to 43"
Opening	Both sides
Selection of opening side	Yes, by placing the safety stop
Material	Steel and High Density Polyethylene

DIMENSIONS

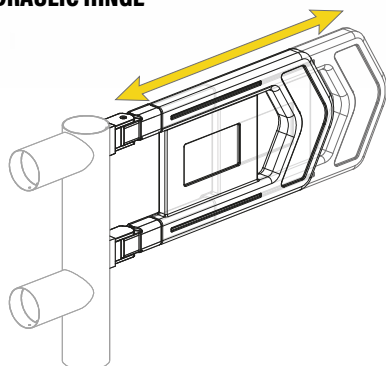


HIGH DURABILITY PLASTIC BODY

HYDRAULIC SELF-CLOSING HINGE

The hydraulic self - closing hinge is a safe and efficient mechanism that ensures the automatic closing of doors and gates. Its hydraulic operation eliminates the need for manual closure and reduces the risk of accidents. It provides peace of mind by ensuring reliable closure and protection for pedestrians and operating equipment. designed with robustness for long-lasting performance.

SOFT-CLOSING HYDRAULIC HINGE

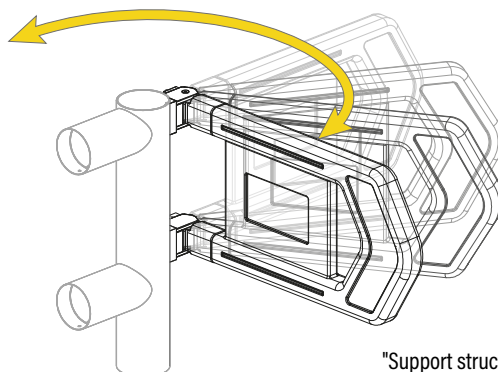


EXPANDABLE

Ability to extend to accommodate lengths from 33" to 43", Providing flexibility in its size.

OPENING RANGE

Ability to open in both directions through an opening selector.



"Support structure sold separately"



GOAL POST GP

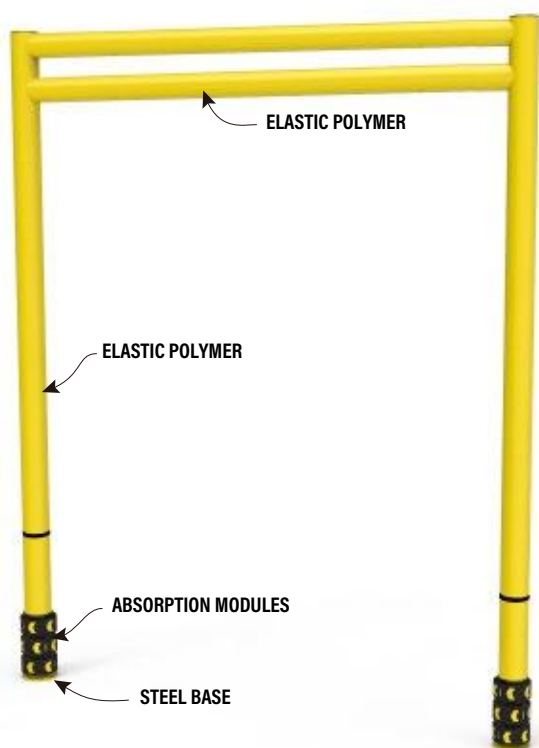
ENNAT'S goal post is the best alternative for protecting machinery at height or closing elements for door openings, such as metal curtains. It takes advantage of the flexibility of the polymer to absorb energy without transmitting torque to the base, which with its rubber modules allows absorption without deformation, redirecting the flow of the forklift traffic.

APPLICATIONS

Applications include protection of machinery and other elevated elements, openings, and passages between buildings.

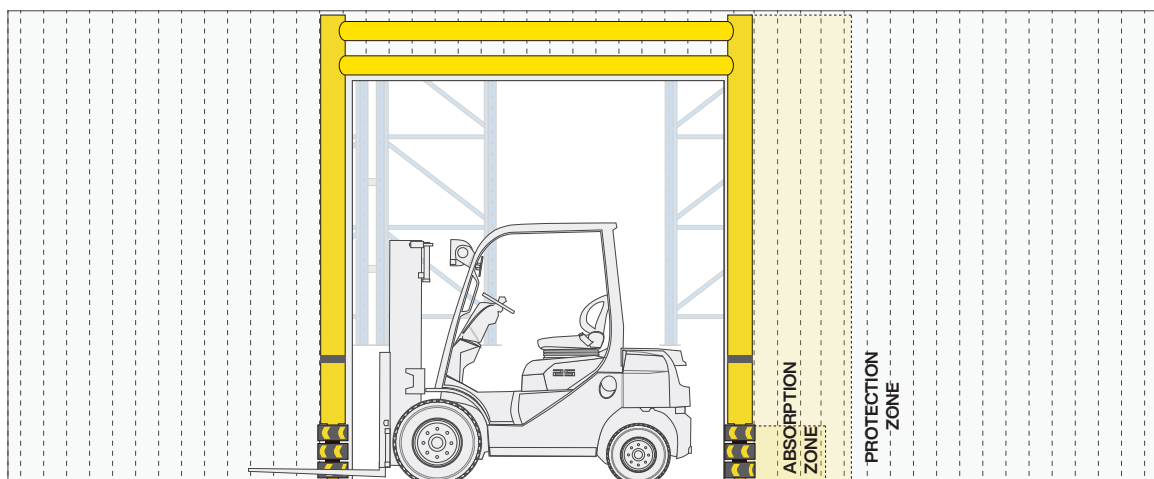
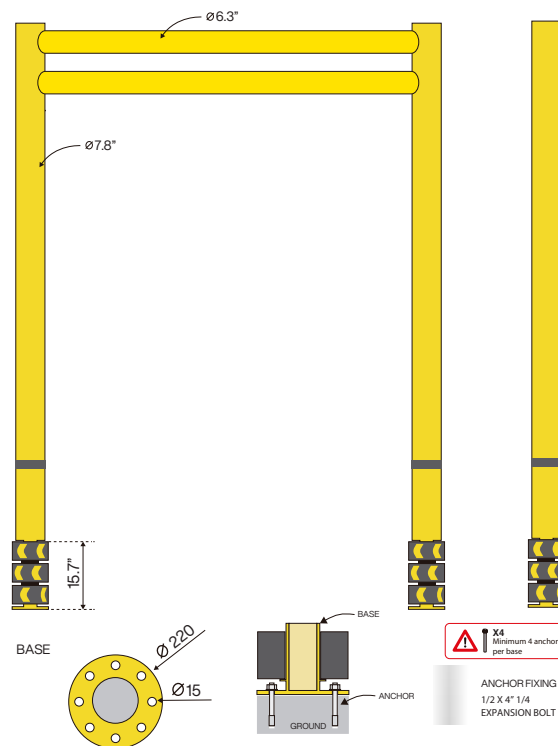
TECHNICAL INFORMATION

T Range	32°F to 158°F (0°C to 70°C)
Surface Color	Yellow
Anchor Type	1/2" x 4 1/4" Anchor Bolt
Material	ASTMA36 Steel / NR Rubber / Elastic Polymer



DIMENSIONS

FRONT







COLUMN PROTECTOR PP

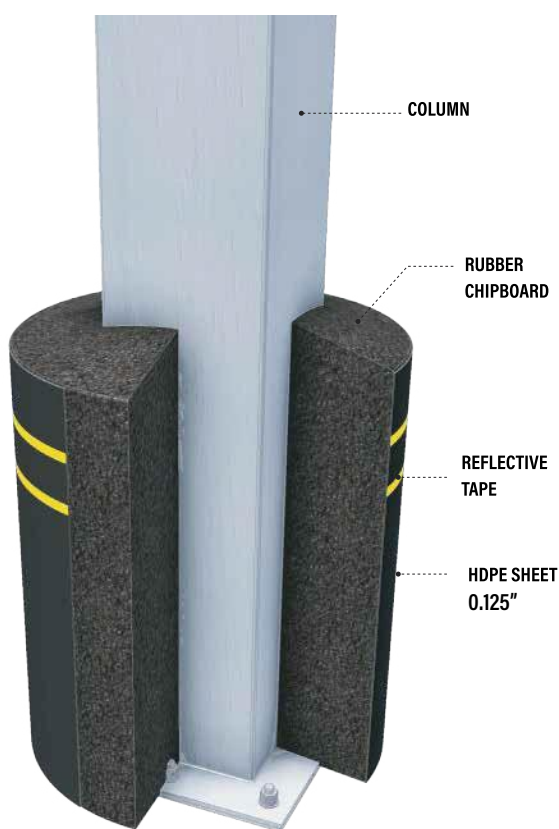
The ENNAT Column Protector is composed of a core of agglomerated recycled rubber, whose formula generates a product capable of deforming, thus generating high absorption rates. It is covered by a 0.125" thick black HDPE sheet, which acts as a container for the material. It also consists of reflective strips on its surface that increase its visibility.

APPLICATIONS

The column protector is able to adapt to different types and sizes of existing pillars.

TECHNICAL INFORMATION

Height	Up to 43"
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	0.125"
Fixing Method	Self Supporting
Material	Agglomerated Recycled Rubber



IMPACT ABSORPTION

Energy absorption thanks to the elasticity of the rubber, which generates the deceleration and dissipation of the impact energy.

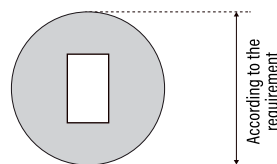


RECYCLED MATERIAL

The ennat pillar protector contains 100% rubber from end-of-life tires, which are shredded and agglomerated using a novel technique, using a raw material that would otherwise end up polluting our environment.

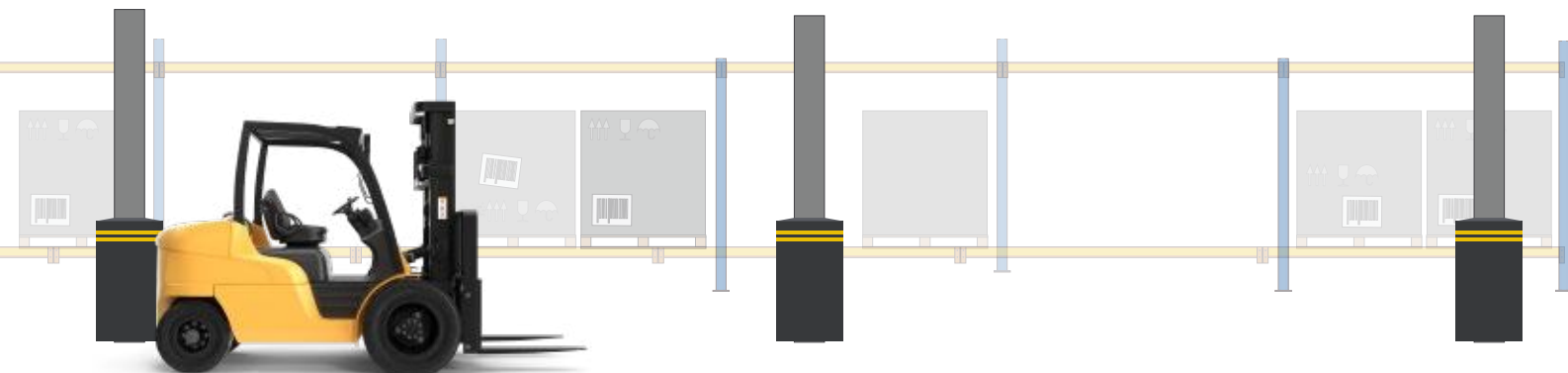
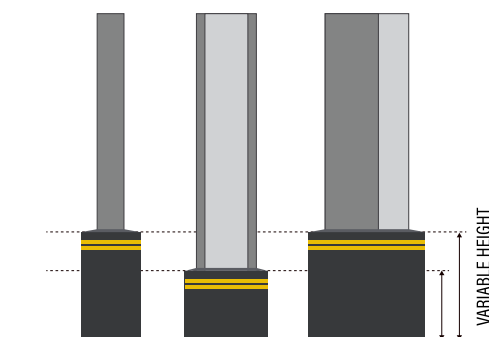
DIMENSIONS

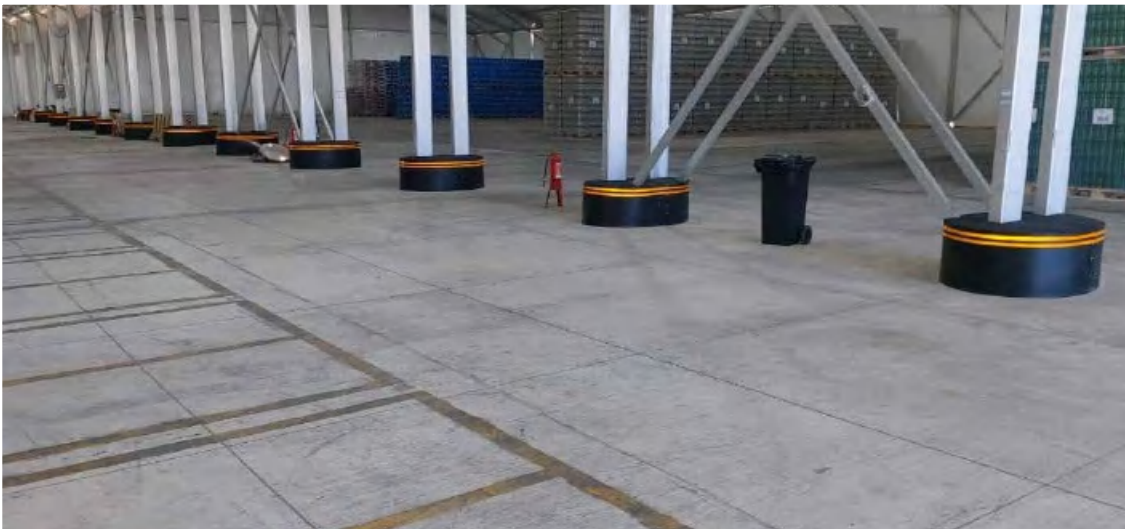
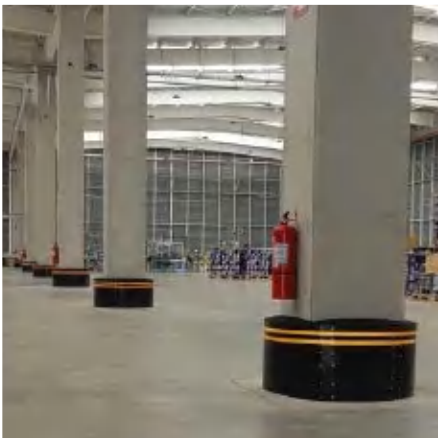
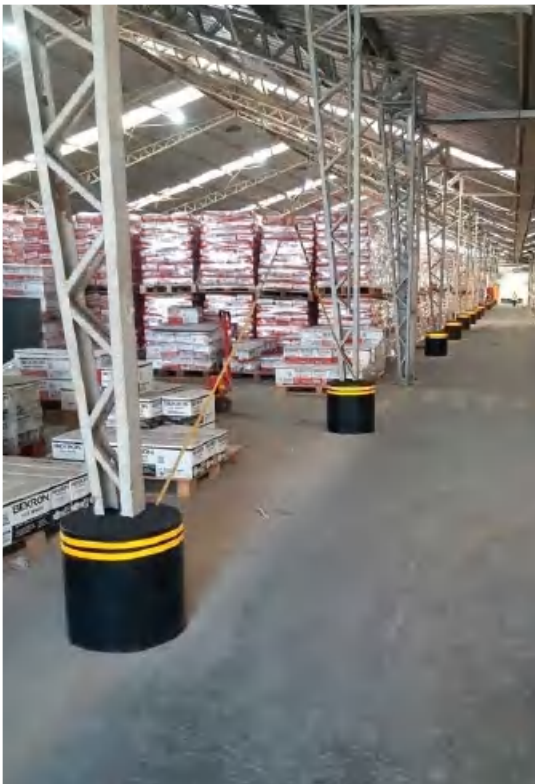
TOP



ADAPTABILITY

Fits to the different sections of the columns.





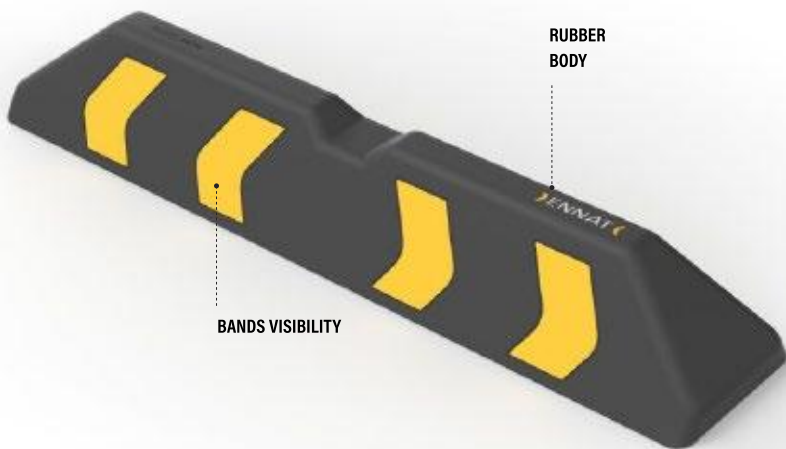


DELIMITER DE70

The ENNAT Delimiter is designed to generate a low barrier without obstacles, distancing hazardous elements from what needs protection, such as cold chamber panels, machinery, or delimited storage areas for pallets that cannot be exceeded. Thanks to its frames on both sides, it is also effective in delimiting areas and zones of circulation that do not require pedestrian limits. Its construction base considers a solid section of material to ensure strength and durability.

APPLICATIONS

Delimitation of areas, protection of partitions and cold chambers, stop indicator for the handling and storage of pallets.



TECHNICAL INFORMATION

Height	4"
T Range	-4°F to 158°F (-20°C to 70°C)
Finishing	Soft black rubber with yellow stripes
Anchor Type	12 x 5 1/4" (3 units per base)
Material	NR Rubber

DIMENSIONS

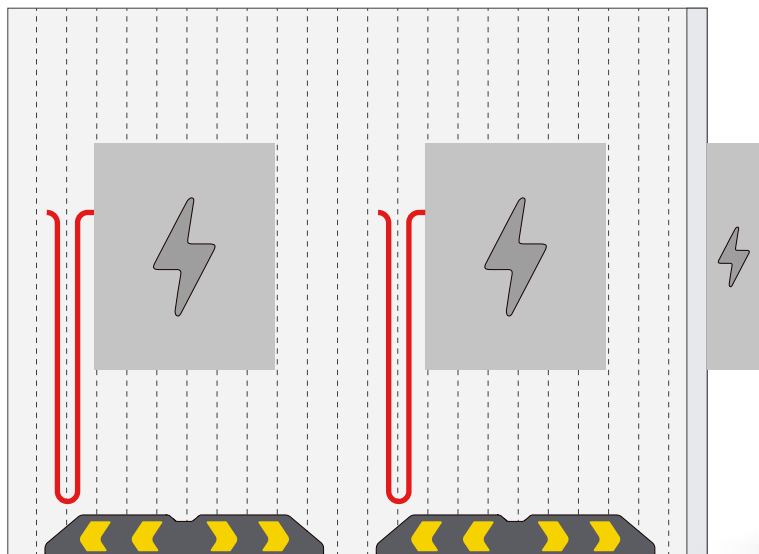
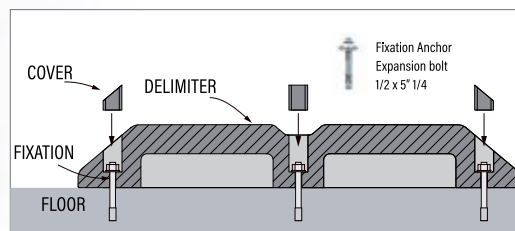
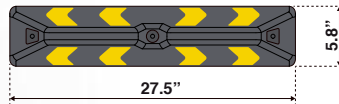
Front

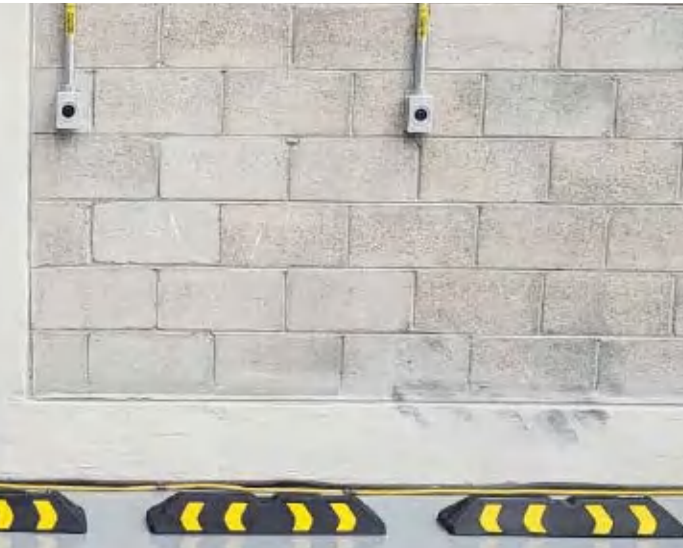


Side



Top





ROLLER BARRIER R2-3

The Roller Barrier is an innovative protection barrier specifically designed for industrial environments that require a robust and effective impact solution. This system stands out for its ability to deflect impacts along its structure using rotating rubber modules, which spin and redirect the flow while absorbing the impact energy. This makes the Roller Barrier ideal for protecting and delineating forklift traffic areas and providing a protection solution for low-height impacts.

APPLICATIONS

The Roller Barrier deflects impacts with rotating rubber modules, ideal for forklift traffic areas, loading zones, distribution centers, production and storage areas, and offers low-height impact protection in industrial warehouses and traffic zones.

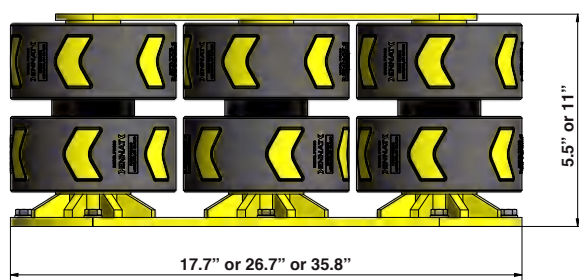


TECHNICAL INFORMATION

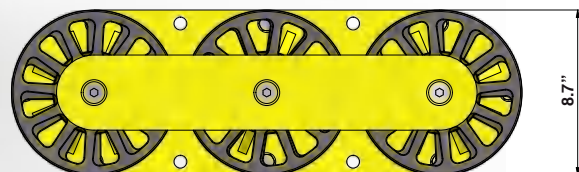
Height	5.5" or 11"
Available Lengths	17.7", 26.7", 35.8"
Materials	Steel structure with rotating rubber modules
Finish	Yellow electrostatic paint, corrosion-resistant and highly visible

DIMENSIONS

Front



Top







USA



Alpharetta GA, 30005
contact@ennatgroup.com
+1 470-748-6640

CHILE



Quilicura, Santiago
contacto@ennat.cl
+56 2-2738-6582

MÉXICO



(WTC) Del Valle CDMX
contacto@ennat.mx
+56 33-1580-9889

ESPAÑA



Bizkaia
contacto@ennat.es
+34 629494676
+34 946816495



«««««««« CERTIFICATE OF »»»»»»»»»» AUTHORIZED DISTRIBUTOR

This is to certify that
EARTHLING ENTERPRISES

has been appointed as Authorized Exclusive Sub-Distributor
for ENNAT products in

State of Qatar Region

Issue Date: October 10, 2023



Cerro Portezuelo 9871, Quilicura, Santiago de Chile

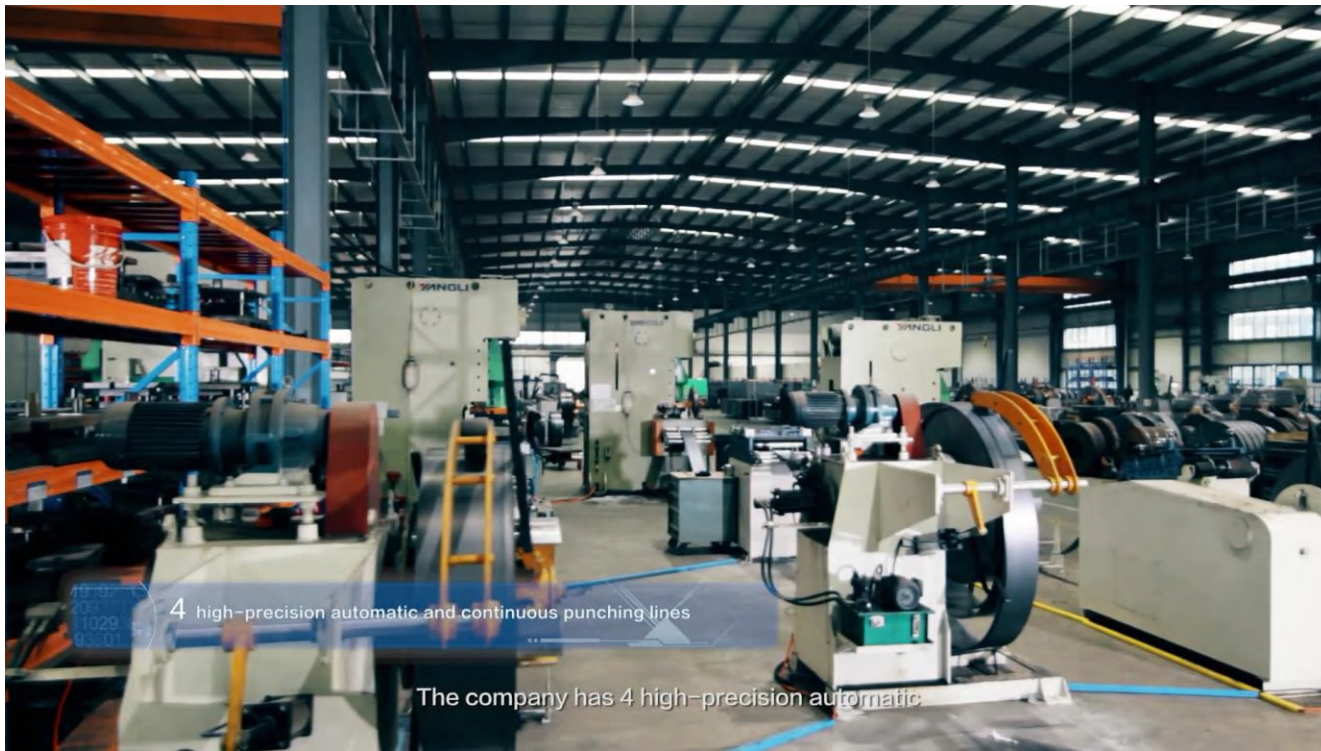


Earthling Enterprise
Trading and Contracting
+974 50006911
+974 44273355
Sales@earthlingenterprises.com



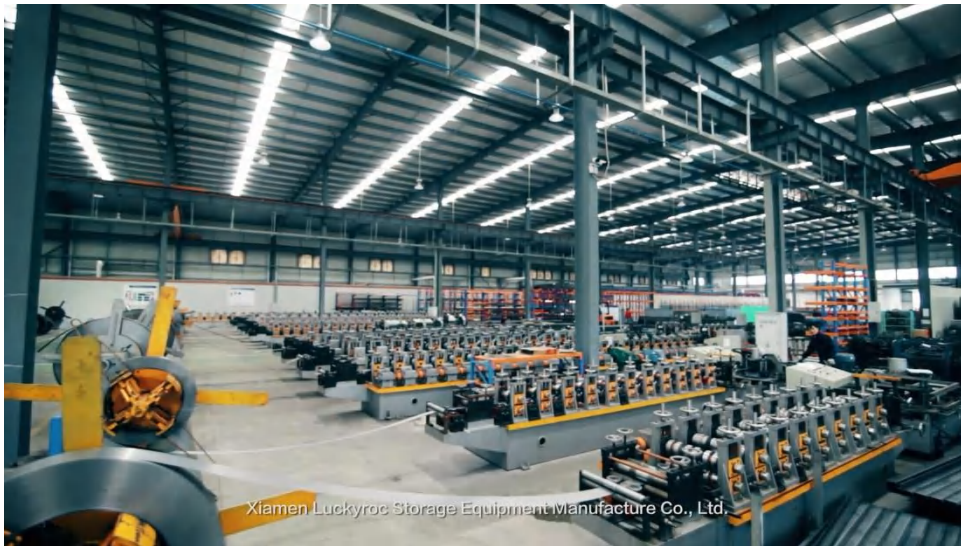
- 1-2. In-Plant Equipment

1.1 Punch: 5 punching lines



• 1-2. In-Plant Equipment

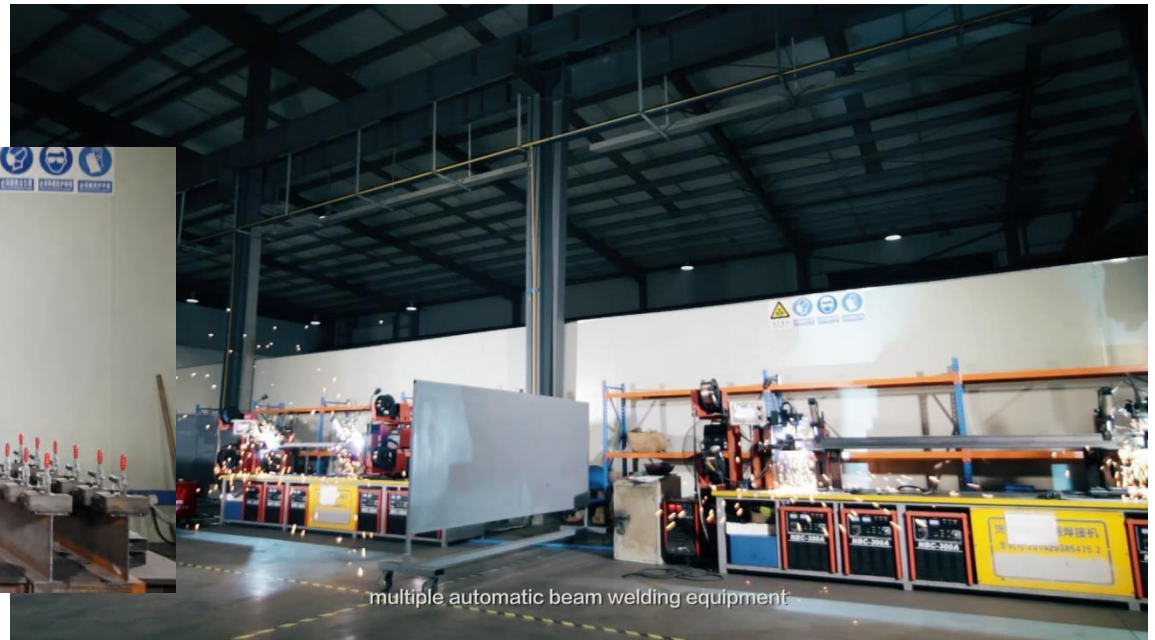
1.2 Rolling: 20 rolling lines, 40 molds, 80 type profiles



- 1-2. In-Plant Equipment

- 1.3 Welding: 5 automatic beam welding equipment

- 2 welding robots



- 1-4. In-Plant Equipment

- 1.4 Coating: 1 Automatic spraying line

GEMA spray gun, workpiece length up to 17 meters



- 1-2. In-Plant Equipment

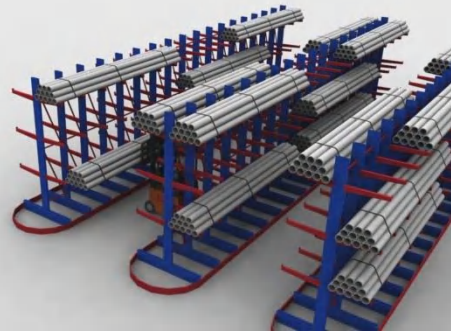
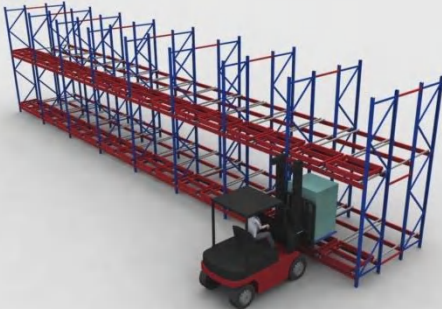
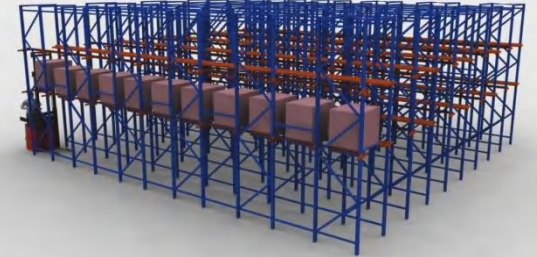
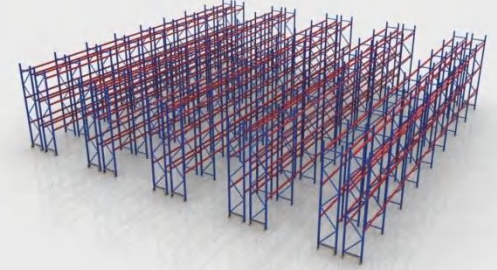
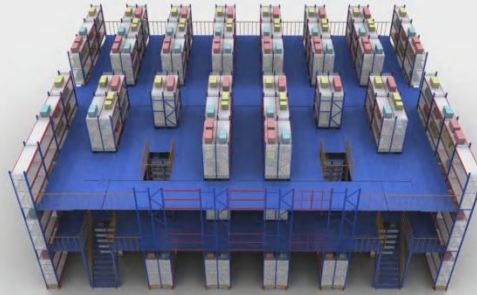
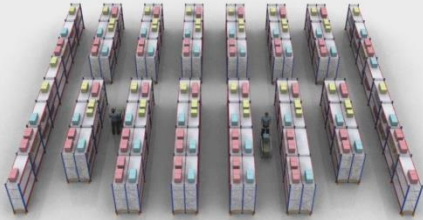
1.5 Material handling: 6 Cranes, 3 C-B Forklifts, 4 Pallet Stackers, 5 Dock Levelers



- 1-2. In-Plant Equipment

- 1.6 Environment protection:







Shelf rack is generally operated by manpower. It has the features of easy assembly, adjustable level height and simple structure. Mostly it is applied to small and light storage.

The ordinary height of shelf rack is often below 2.5m, or else it can not be operated by manpower(the height can reach to 3m if lifter trolley is applied).

The span of shelf rack can not be too long and at the same time the depth of shelf rack can not be too deep.

There are 3 kinds of shelf racks: light-duty shelf rack, medium-duty shelf rack, heavy-duty shelf rack and the panel is often made of steel or wood.



2.1 Shelf rack

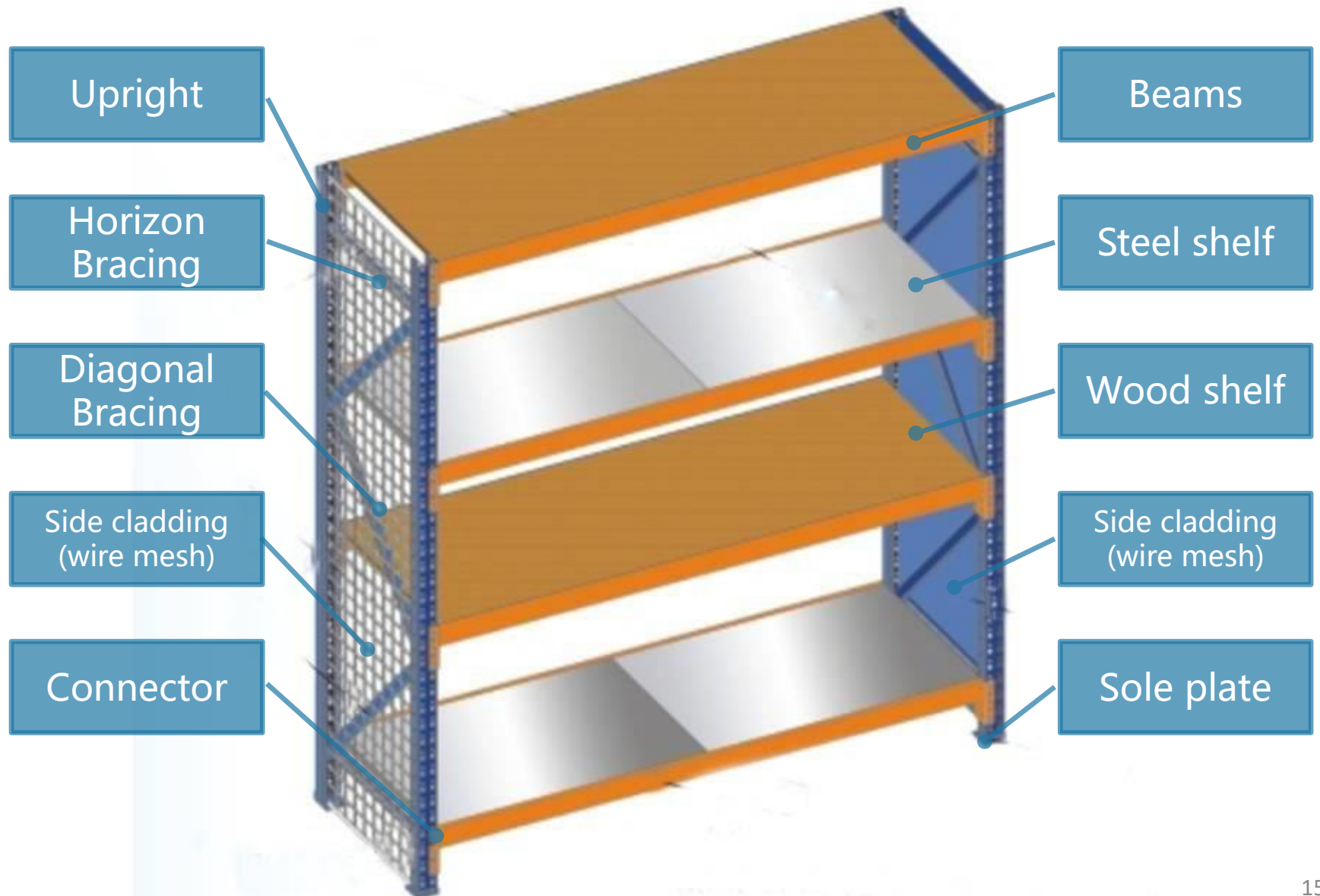


Special offer for shelving Valid:

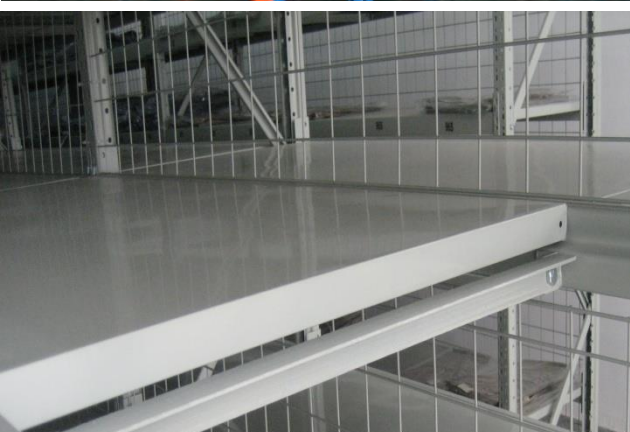
Model	Specification (mm)	Weight (kg)	Lead time	FOB price(\$)
PR2701-1	L2000xW600*H2000mm,4 levels.300KG/level	88	25-30 days	
PR2301-1	L2000xW800*H2000mm,4 levels.300KG/level	99	25-30 days	
PR2701-2	L2000xW1000*H2000mm,4 levels.300KG/level	110	25-30 days	
PR2301-2	L2000xW1200*H2000mm,4 levels.300KG/level	121	25-30 days	
Different capacity can be chosen based on required				



2.1 Shelf rack



2.1 Shelf rack



- ◆ Suitable for storing scattered, portability goods
- ◆ Easy installation
- ◆ Easy to divided, storing variety goods
- ◆ Storage volume is limited, not suitable for large volume
- ◆ Low load capacity



2.2 Selective pallet rack

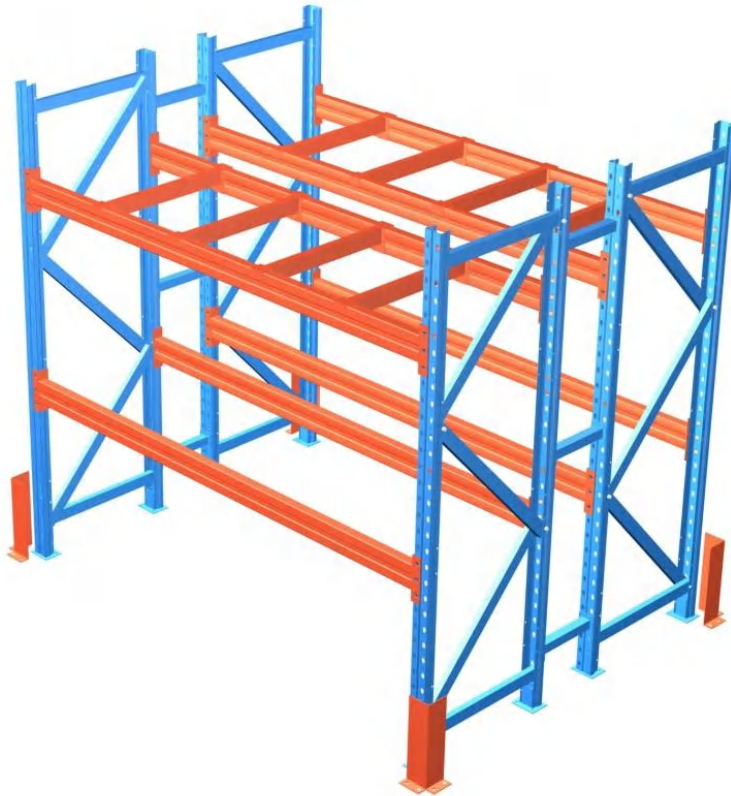
Pallet rack is the most economical and commonly used system. Suitable for most kind of palletized goods. Ideal for storage and order picking area.

Pallets are put in and taken out by general fork truck, reach truck or counter balance type which maneuver in the aisle between the two rack.

- 1) Storage pallet rack usually consists of frames, beams, brace, etc.
- 2) Easy for install in dismantling without any screw thread connector for 500-4000kg per layer.
- 3) Suitable for stocking most kind of palletized goods. Ideal for storage and order picking area, widely used in warehouse, store, and other enterprises.
- 4) The level of international standard can be freely adjusted by pitch 75 mm, and USA teardrop style by 2 inch.



2.2 Selective pallet rack



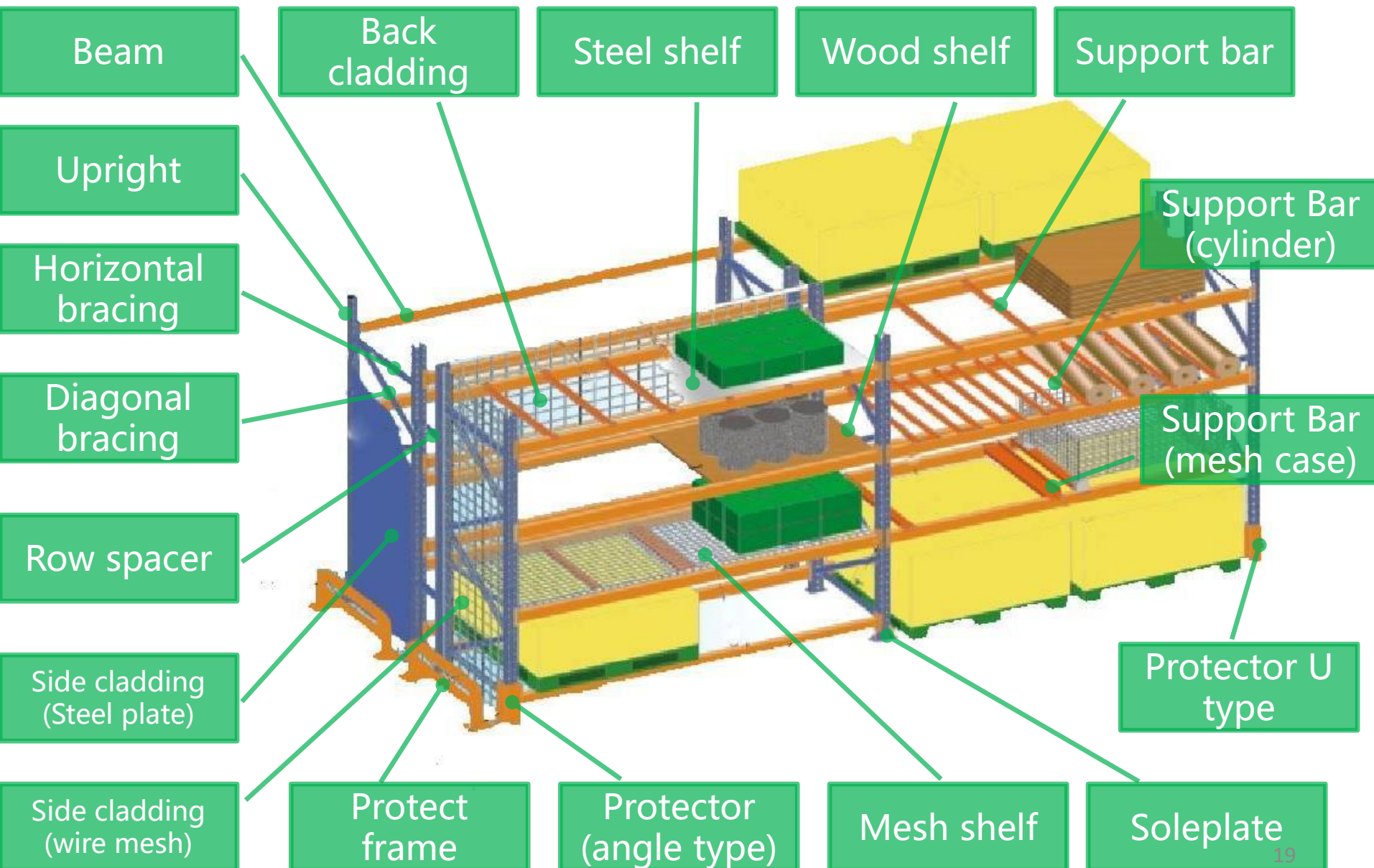
Special offer for pallet rack Valid:

Model	Specification (mm)	Weight (kg)	Lead time	FOB price(\$)
PR2701-1	L2700xW1000*H4050mm,3 levels.3000KG/level	134.5	25-30 days	
PR2301-1	L2300xW1000*H4050mm,3 levels.2000KG/level	127	25-30 days	
PR2701-2	L2700xW800*H4050mm,3 levels.3000KG/level	132.5	25-30 days	
PR2301-2	L2300xW800*H4050mm,3 levels.2000KG/level	125	25-30 days	

Different capacity can be chosen based on required



2.2 Selective pallet rack



2.2 Selective pallet rack

- ◆ Simple structure, widest used rack
- ◆ High load capacity
- ◆ Suitable for volume storage and parts picking
- ◆ Lower storage rate per unit area





2.3 Multi-tier Rack (Mezzanine)

Mezzanine is generally operated by manpower, is made up of post, main beam, sub beam, staircase, handrail, and floor. It can be assembled and no on-site welding. It is suitable for high but small warehouse, maximize the efficiency of warehouse.

It utilizes most bulk and space saver sizes and configurations in a variety of combinations to take full advantage of valuable warehouse space. Unlike conventional steel constructions, it can be easily expanded, moved or modified for future requirement.

Combined with a full range of accessories, such as staircases, handrails, safety gates even lifts and conveyor, it lends itself to use in almost any situation, multi-flooring systems, shelving and pallet racking systems combined with flooring etc.

Using the modular components of the mezzanine flooring system a wide variety of span length are possible.

2.3 Multi-tier Rack

Back cladding



Baluster/ double acting door



Floor



Special hook



Steel ladder



Support beam/row spacer





2.3 Multi-tier Rack



- ◆ High usage up to several fold of ground area
- ◆ Suitable for storage of low volume, large variety goods
- ◆ Multi-tier rack can be built on the shelf rack
- ◆ Storage volume is limited, not suitable for large volume
- ◆ Labor work intensity is hard



2.4 Drive in rack (Drive through rack)

Drive in rack is generally operated by forklift. It has the features of easy assembly, adjustable level height and simple structure.

Drive In Pallet Racking is installed in warehouses and distribution centers that need a cost effective, high density storage solution for their pallets and products. Because of its design, drive-in pallet rack is a first in, last out (FILO) storage system.

Drive in racking is best used with a large quantity of like-products that are not time sensitive, in order to best utilize warehouse space.

Warehouse access aisles are kept to a minimum with drive-in rack, often allowing users to achieve double or more storage capacity.

2.4 Drive-in rack





2.4 Drive-in rack



- ◆ Higher storage rate per unit area
- ◆ FIFO and FILO available.
- ◆ Suitable for large scale storage of high volume small variety goods
- ◆ Higher requirements on forklift operation



Push-Back Rack is designed for high-density, multiple-product storage situations, combining excellent selectivity and a maintenance-free design. This versatile system uses nesting carriages to store pallets up to five deep, providing multiple pick facing with extremely high throughput.

As each pallet is loaded, it's placed on a free-rolling carriage that is pushed back into the system by loading additional pallets. When unloading, gravity moves the pallets forward to the aisle on the telescoping carriages, eliminating the need for reaching or driving into the rack.

Advantages:

- * Allows efficient use of space with limited sacrifice in product accessibility.
- * Provides the optimal combination of selectivity and storage density.
- * Sturdy construction affords years of maintenance free operation.

2.5 Push back rack



- ◆ Higher storage rate per unit area
- ◆ FILO
- ◆ Suitable for high volume small variety goods
- ◆ Higher cost





2.6 Live storage rack(gravity rack)

Live storage rack (also called gravity rack) is an ideal system for warehouses of perishable goods, although it can also be used in any industry or distribution business. It is a high density and low energy consumption storage system.

Perfect pallet rotation (FIFO System). Saves space and time when manipulating pallets. Eliminates pass-through interferences. Maximum capacity.

Ideal system to store perishable goods with high rotation, as well as high consumption goods with a continuous flux.

These racks incorporate roller track sections placed on a sloped lane to allow the pallets to slide over them. The pallets are put in at the highest part of the rolling section and move by the force of gravity and at a controlled speed towards the other end.

Features:

Enables perfect pallet turnover (FIFO SYSTEM).

Maximum capacity as storage system is compact.

Time and space saved in pallet handling.

Excellent stock control.



2.6 Live storage rack



- ◆ The storage area per unit area is extremely high
- ◆ First-in first-out
- ◆ Suitable for small items, large quantities of goods
- ◆ Cost high
- ◆ Higher maintain cost

Cantilever Racking mainly used for storing irregular and long shape good, such as tubing, rolled section steel and so on. It could be divided into single side and double side cantilever racking.

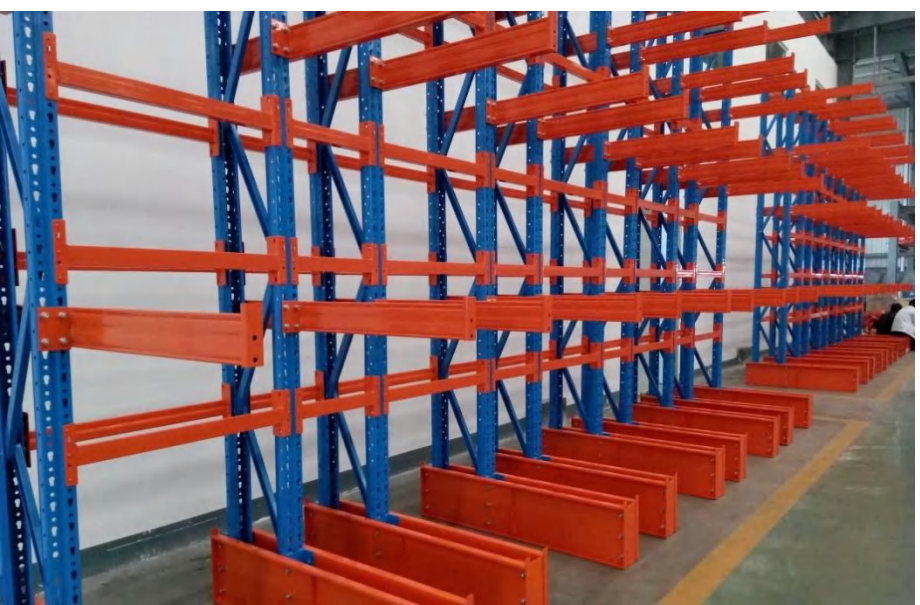
We can provide various column heights, arm lengths, base lengths (single or double sided) to ensure an ideal solution for your warehouse.

Advantage:

1. Stable structure, Match different need for loading capacity, convenient sorting;
2. Very easy to install and dismount by installation manual.

2.7 Cantilever rack

- ◆ Suitable for storing long goods and irregular goods
- ◆ Various types of columns and cantilevers, a variety of different combinations
- ◆ Carrying capacity is low, the installation is more cumbersome



Shuttle rack system consists of shuttles, racking system and control system, which can increase space efficiency of your warehouse up to 85%. FILO and FIFO is available according to structure of your warehouse.

Inventory: The goods are put on the front end of the storage tunnels by the forklift truck, through radio remote control shuttles, can carry pallets of goods in track operation;

PICK: radio remote control shuttle carries the pallet from the farthest end of the storage tunnel to the nearest end of the racking system, put down the pallet from the racking system by the forklift truck;

Mobile shuttle : The shuttle can be place in different storage tunnel by the forklift, several storage tunnels can share a shuttle. The quantity of shuttle is depend on the depth of the storage tunnel, total of goods, shipping quantity, shipment frequency and other factors.

2.8 Shuttle rack

- ◆ Low cost: high density storage, warehouse space utilization increased to 90% or more. The cost of a single pallet cargo is relatively low
- ◆ High efficiency: faster, more storage of a variety of items
- ◆ Safety: forklift does not enter the roadway, reduce forklift transport routes, reduce damage to the goods
- ◆ Flexibility: bulk cargo can be first-in first-out, advanced out



SHUTTLE RACK FOR FAMOUS FOOD FACTORY



Automated mobile rack offers more pallet location storage than drive-in racking, pallet-flow and VNA racking. It is one of high density warehouse rack.

The system is just need one aisle, high space utility. It is consisted by warehouse racking , ground rail and electric motor system.

The rack is installed on the ground rail. The ground track is controlled by electric motor system.

What's more, it is widely used for its stable mobility in countries with frequent earthquakes, such as Japan.

Mobile rack is considered to be the most economical and safe storage system in modern times.

2.9 Mobile Rack

- ◆ Significant savings in storage space, saving land costs
- ◆ Shorten the forklift walking distance
- ◆ Used in the cold storage, energy efficient, saving operating costs
- ◆ Continuous access to different channels of goods, the operating efficiency is low



Warehouse Automated ASRS System consists of a variety of computer-controlled systems for automatically placing and retrieving loads from defined storage locations.

AS/RS systems are designed for automated storage and retrieval of parts and items in manufacturing, distribution, retail, wholesale and institutions. They first originated in the 1960s, initially focusing on heavy pallet loads but with the evolution of the technology the handled loads have become smaller.

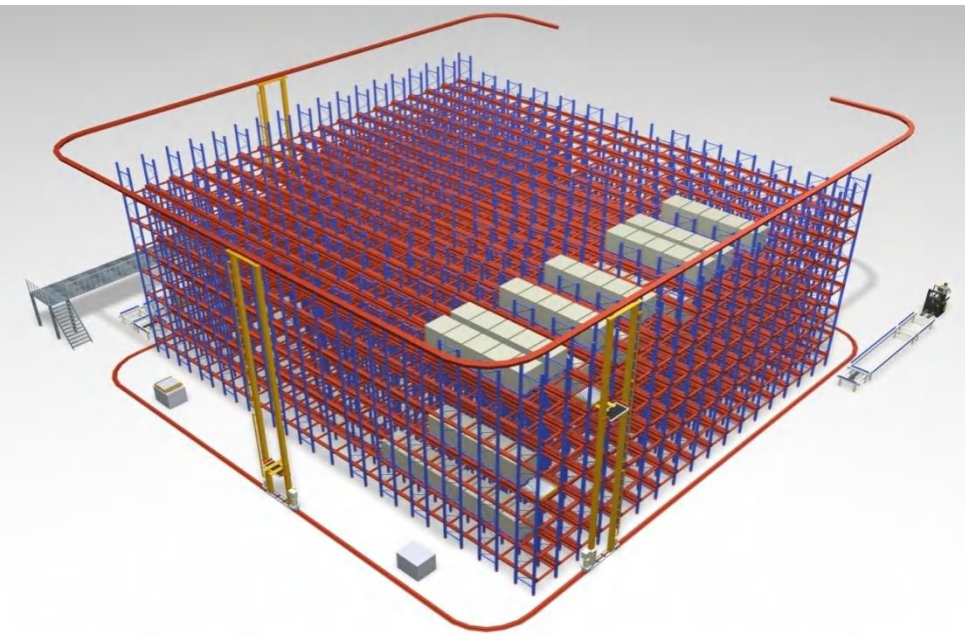
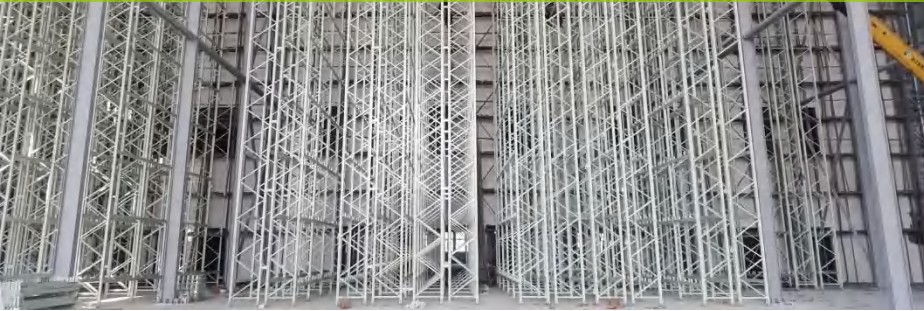
The systems operate under computerized control, maintaining an inventory of stored items. Retrieval of items is accomplished by specifying the item type and quantity to be retrieved. The computer determines where in the storage area the item can be retrieved from and schedules the retrieval.

It directs the proper automated storage and retrieval machine (SRM) to the location where the item is stored and directs the machine to deposit the item at a location where it is to be picked up. A system of conveyors and or automated guided vehicles is sometimes part of the AS/RS system. These take loads into and out of the storage area and move them to the manufacturing floor or loading docks.

To store items, the pallet or tray is placed at an input station for the system, the information for inventory is entered into a computer terminal and the AS/RS system moves the load to the storage area, determines a suitable location for the item, and stores the load. As items are stored into or retrieved from the racks, the computer updates its inventory accordingly.

2.10 AS/RS

- ◆ Significantly increase the storage area per unit area
- ◆ Stable and efficient access, intelligent and convenient management
- ◆ Large investment, high cost
- ◆ Need high level building construction



Power coated steel pallet is made from top quality cold rolled steel, and epoxy powder coated, with strong antirust function under high temperature process/ Rack bays can be connected horizontally or vertically, more stability and safety.

Luckyroc steel pallet is new version with light weight (20-30KG) and long service life than normal plastic and wooden pallet. Price is reasonable.

Advantage:

1. Heavy-duty non-reversible welded steel.
2. Repairable and easily cleaned
3. Ideal for high level racking and palletised racking systems
4. Customized to suit your products and storage environment
5. Eliminates the need for wooden pallets for loose cargo
6. Additional supports for fork truck utilisation

2.11 Steel pallet



Specification of steel pallet, Price Valid : Before Dec.25th

Model	Specification (mm)	Weight (kg)	Lead time	FOB price(\$)
SP10-10	L1200xW1000*H150mm,1000KG/pallet	24.2	25-30 days	
SP10-15	L1200xW1000*H150mm,1500KG/pallet	27.1	25-30 days	
SP12-10	L1200xW1200*H150mm,1000KG/pallet	27.8	25-30 days	
SP12-15	L1200xW1200*H150mm,1500KG/pallet	31.3	25-30 days	
Different capacity and size can be chosen based on required				

3.1 Advantage of rack

Advantage of our Pallet Racks

Uprights View



W Style: Totally bending 12 times, more bending process to increase its Load Capacity.



1. Two pcs of C beams rolled together to guarantee its compact and load capacity
2. Each C beams bending 10 times, totally 20 times to guarantee its load capacity.

Pin rivet welded on Collector, more beautiful and also has more load capacity.

Collector



Uprights Holes



Tear-drop holes, similar as America Style Racks, easy to install and dismantle.

Brand Item	Luckyroc Rack	Other Brand Rack
Upright	 1、W Style: more bending, total 13/17 times, increase the moment of inertia to have heavy load capacity. 2. Have many series to meet different load request.	 1、U Style, total bending 6 times, simple construction with less load capacity. 2. Don't have many series for different load request.
	★ Remark 1: Luckyroc W Style upright has 50% more load capacity than U Style. ★ Remark 2: We also have U Style upright, but only use for light duty racks.	
Connect	 1、Widely used in steel construction, bridge, board, because of Strong impact resistance. 2. heavy load, no distortion, beautiful look and easy to assemble and dismantle. 3. Arc surface of pin and upright hole guarantee under the condition of heavy load will not damage the column section.	 1、Crow connector, formed by once stamping, Simple process, easy to tear out after impact, have security risks. 2. Hard to dismantle after heavy load impact. 3. Point surface of pin and upright hole, the upright section would be easily damaged after heavy load.
	★ Remark 1: Luckyroc pin connector has more than once load capacity. ★ Remark 2: We also have Crow connector, but only use for light duty racks. Pallet Racks are worked by forklift, which request more impact strength for beams, crow connect is not suitable for this.	
Beam	 1.Boxes Beams: Two pcs of C beams rolled together to guarantee its compact and load capacity. 2. Each C beams bending 10 times, totally 20 times to guarantee its load capacity.	 1. Point welding beams: two pcs of C beams welding together simple process with uneven Load. 2. only bending 6 times for each C beams, with less load capacity.
	★ Remark: Luckyroc Boxes Beams has about 10%-20% more load capacity.	

Result:

1. Luckyroc Pallet racks are designed after fully consider possible situation during use. With scientific construction, the load capacity could be guaranteed.
2. Luckyroc rack is easy to install and dismantle. It is convenient for long time maintenance.

3.2 Advantage of steel pallet



Steel pallet



Differences of steel ,plastic and wooden pallet

Steel pallet	Plastic pallet	Wooden pallet
		
Standard quality ,material difference is small	Standard quality, material difference is big	Not standard quality, material difference is big
Clean and sanitary	Clean and sanitary	Easy to <u>mildew</u> , low sanitary
May deformation but not easy to damage when impacting, high intensity, good capacity	Easy to damage when impacting, low intensity, bad capacity	Easy to damage when impacting, low intensity, bad capacity
Can be customized	Hard to customized because of need to open the plastic mold.	Can be customized

3.3 Certificate and client



Cooperative customers

