AnterSystem

FLEXIBLE SAFETY BARRIERS

CATALOG



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ABOUT US

We are a Polish manufacturer of flexible safety barriers and loading technique. We have been operating globally for 15 years, contributing to **the reduction of risk** of accident in production facilities, warehouses and logistics centres.





You can find us in the welcoming environment of our building at ul. Strzegomska 199 in Wrocław. You are also welcome to contact us via our website.

We design and manufacture **innovative safety barriers** using polymeric plastics. Polymer barriers feature high impact resistance and easily return to their original shape.

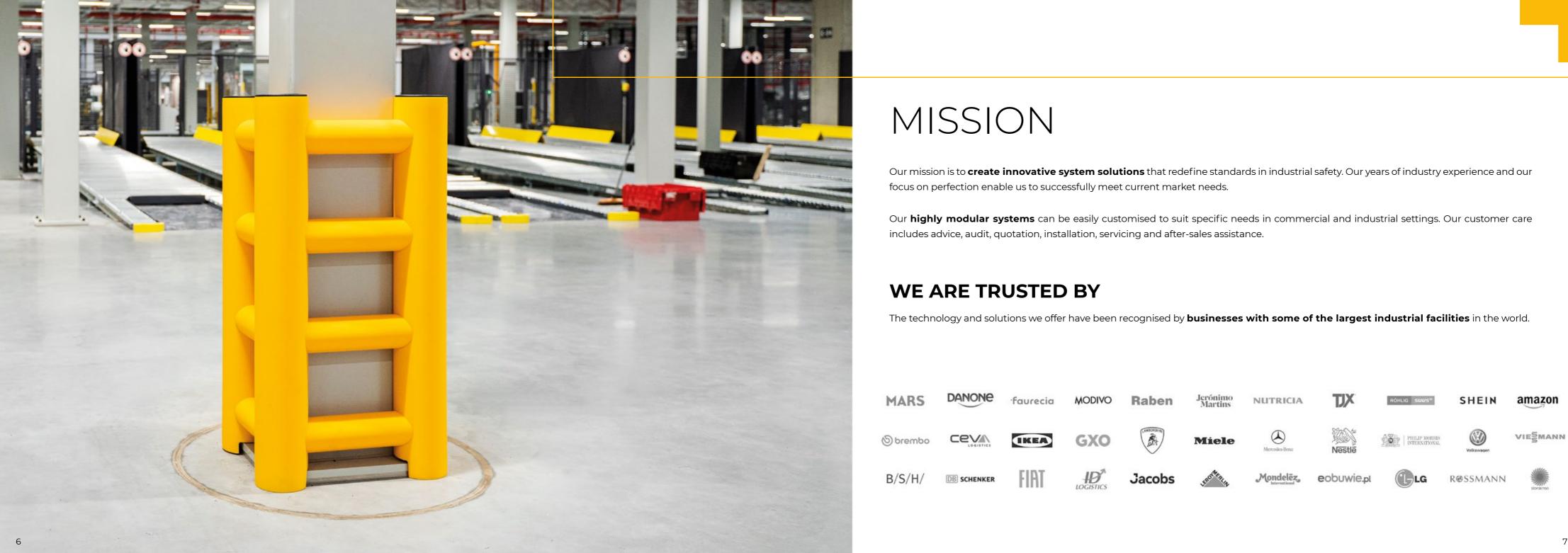


Barrier during impact bends and resists.



Then it returns to its original shape.





ADVANTAGES OF FLEXIBLE BARRIERS

Education on industrial health and safety solutions is part of our mission. Flexible safety barriers offer many possibilities that a lot of people may not be aware of. When selecting the appropriate protection, it is important to consider the product's strength, durability and maintenance characteristics.

ADVANTAGES OF ANTER SYSTEM'S FLEXIBLE BARRIERS:

- The material they are made from means they retain their structure after a collision with forklifts it is perfectly reusable
- Cushions the impact, which translates into a much smaller jolt experienced by the forklift operator. This energy absorption **reduces the risk of injury and minimises the impact** of the collision on the person
- Resistant to corrosion, atmospheric conditions (operating temperature from -35 to +55 Celsius) and chemicals
- **Does not damage** the floor
- ✓ Helps save money on infrastructure maintenance
- Modular can be freely combined, relocated, expanded and adapted to changing storage or production conditions



- **X Deforms** upon impact
- X Must be replaced after impact
- **X Requires painting** and protection with a zinc coat
- X The material's characteristics mean that a collision leaves the forklift and the goods damaged





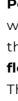














Flexible barriers increase workplace safety, support the optimisation of space management processes, allow for better space utilisation and, finally, reduce costs associated with production downtime and repairs.

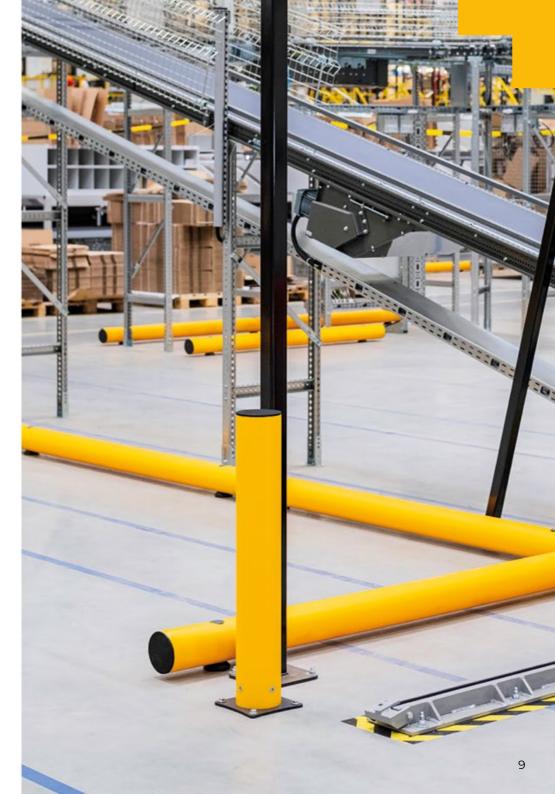
POLYMER TECHNOLOGY

High-quality, extremely flexible, exceptionally impact-resistant.

Polymer-based reinforced plastics make it possible to produce bars with previously unheard-of thicknesses and geometries. Thanks to their innovative composition, the barriers feature high mechanical flexibility. They can bend and then return to their original shape. The material is flame-retardant, non-toxic and fully compliant with HACCP and FDA standards, which guarantees its safe use. The material is extremely durable and visually appealing.



Our products have been tested by **TÜV Rheinland** and certified for safety. They undergo an annual production inspection to ensure their superior quality in accordance with a European standard.



AUTOMATIC SAFETY BARRIER SYSTEMS

In response to our customers' needs, we have launched a cutting-edge line of flexible barriers with automatic operation assistance systems. They effectively secure work areas by blocking pedestrian pathways. When there is an increased risk of dangerous situations, they also produce light and sound signals. The systems can be integrated into the existing building automation.



We don't rely on chance.

There is no possibility of someone trespassing on a pedestrian crossing when pedestrians are moving nearby forklifts and transport vehicles. SGA Anter System Automatic Gate with a Trolley Detection System c**loses automatically when vehicles are nearby**. It does not matter that the gate was previously opened by other people.











Similarly, in the case of hazardous events, gateways integrated with the management system building, they **automatically unlock**, creating safe passages.

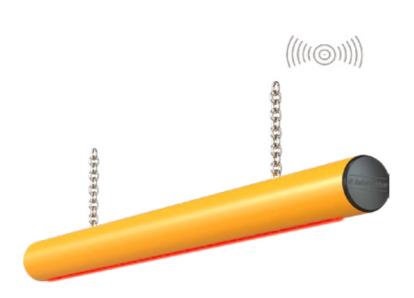
Anter System automatic safety barriers offer a **variety of control methods**, including:

- Remote control
- Access card system
- Sensor/RFID/Laser motion sensor/UWB (Ultra-Wideband)/other
- Manual button
- Integration with customer systems

Thanks to this variety of control options, barriers are tailored to a variety of customer needs, ensuring effective protection in a variety of environments and working conditions.

Automatic protective barriers have the following functions:

- **Blocking** the passage
- Automatic opening and closing
- Lifting and lowering



Additionally, they are equipped with the ability to emit light and sound signals, providing comprehensive protection and informing users about the current status of the barrier.

the impact signal lasts 7 seconds
volume: 102 dB
powered by a battery or mains power
high brightness LEDs
ISO mounting in 2 or 3 points



FIXING





The internal fixing, concealed in the barrier design, is ideal for environments requiring the highest standards of hygiene, such as the food industry, and where space is at a premium. The barrier is installed using a **chemical anchor**. One of the main advantages of this solution is that it "hides" the barrier connectors from corrosion and optimises the use of space. In addition, replacement of the pole in the same place with a new one is a highly practical solution as the floor remains intact.





External fixing: high-quality anchors with top resistance to damage are driven into the concrete. No expansion is required for anchoring, which **minimises the risk of damage** to the floor surface. This type of fixing is perfect for installations near edges and adjacent anchors. The floor-mounting is perfect in temporary solutions as it can be completely dismantled without damaging the floor.

The Slide Plate fixing is designed to enable barriers to be extended quickly and safely wherever frequent access to specific areas needs to be maintained. This type of fixing is ideal for areas where robust protection of machinery and switchgear is required while maintaining easy access to them, for example for frequent maintenance.

CUSTOMISATION

A special range of products ensures not only exceptional durability in extreme conditions, but also food safety. Built for temperatures as low as -35°C, these solutions are ideal for frozen food warehouses and other harsh low-temperature environments. We also produce completely non-combustible versions of our products.



Material properties	Data
Material	Polymer material
Temperature range	-35 ⁰ C - +60 ⁰ C
Fire class	НВ
-lash-point	350-410 ⁰ C
Toxicity	There is no risk
Chemical resistance	Excellent ISO/TR 10358
Meets requirements	HACCP, FDA
Corrosion resistance	High



HD+ SERIES - RUGGEDISED BARRIERS

Anter System barriers are efficient and robust, but in some situations the risk of collisions involving vehicles increases significantly. Experience shows that you need to be prepared for various scenarios. This is why virtually every -HD+ ruggedised is available in various versions characterised by a more robust design, stronger fixing, larger profile diameter and correspondingly higher impact resistance.

SILVER 2023 ecovadis Sustainability Rating

We have been verified by the EcoVadis global team of experts.

EcoVadis certification means that we effectively manage our

We provide cutting-edge protection solutions that have been

created with consideration for the environment. The products

are completely recyclable and can be reused to produce new

REDUCTION OF CARBON FOOTPRINT - 5 x SMALLER FOOTPRINT

The production of a ton of polymer generates **approx. 1,700 kg of carbon dioxide** emissions, while the production of a ton of steel generates approx. 1,750 kg - from the very beginning, a ton of steel produces over 50 kg more CO2 that enters the atmosphere than the plastic. **Polymer materials produce twice** the amount of products - compared to steel - with less pollutant emissions. 1 t of raw material can produce approx. 100 m of plastic, while 1 t of steel will produce approx. 46 m of material. All this transfers into ecology. Flexible barriers weigh less. Light shipments support the reduction of fuel consumption during transport, reduced greenhouse gas emissions and more environmentally friendly logistics operations. Care for the environment is also influenced by the modularity of products and their packaging.

MODULARITY

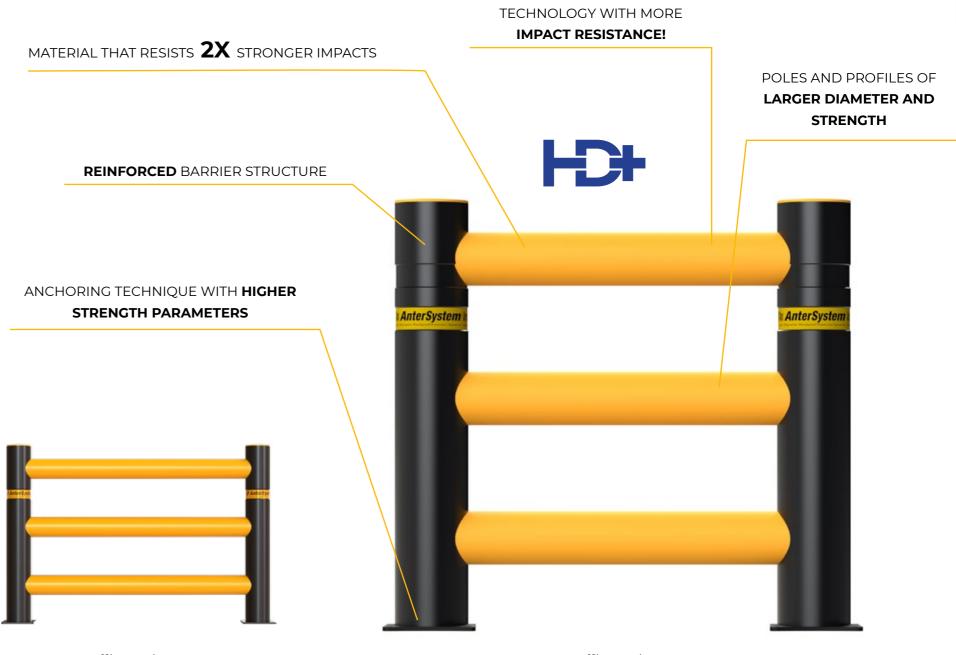
barriers.

BIODEGRADABILITY

CSR and ESG sustainability practices.

Modular connection ensures that there are no gaps between the barriers and fewer fasteners are required. The **barriers fit perfectly into their surroundings**, which ensures better protection. Flexible barriers can be freely combined with various other types of Anter System barriers to provide solutions of various heights and for diverse purposes.

The barriers' modular construction makes it possible to **freely combine, move, extend or adapt** them to changing conditions in warehouses and production lines.



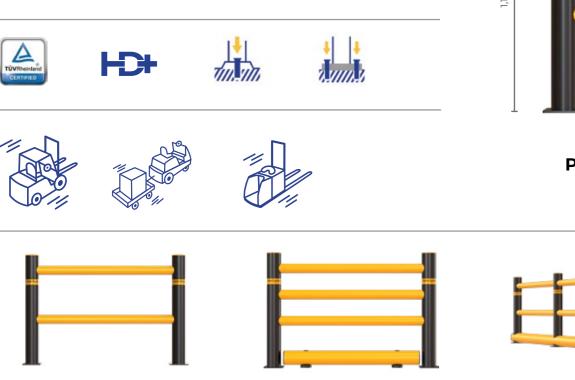
Traffic Barrier R3

Traffic Barrier R3 HD+

SAFETY BARRIERS FOR PEDESTRIANS

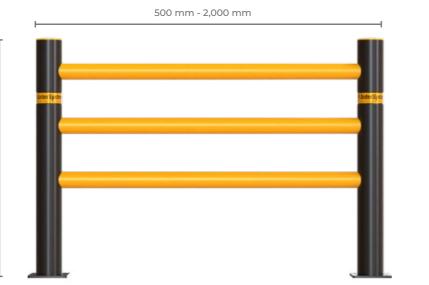
MARKING OUT COMMUNICATION PATHS IN AREAS OF INCREASED-RISK

These enable the physical demarcation of pedestrian pathways and forklift transport routes. They are resistant to lightweight industrial trucks. Modularly connected barriers mark out safe traffic routes by preventing pedestrians from inadvertently entering a transport route.



PEDESTRIAN R3 GB

FLEXIBLE BARRIER



PEDESTRIAN R3 FLEXIBLE BARRIER



PEDESTRIAN R2 LT FLEXIBLE BARRIER PEDESTRIAN 2 LT FLEXIBLE BARRIER

PEDESTRIAN R2

FLEXIBLE BARRIER

Material: flexible plastic

Dimensions: Width: 500 mm – 2,000 mm Height: 1,100 mm Modular connection possible

Fixing: external M12, internal M30 (chemical anchor)

HD+ version available

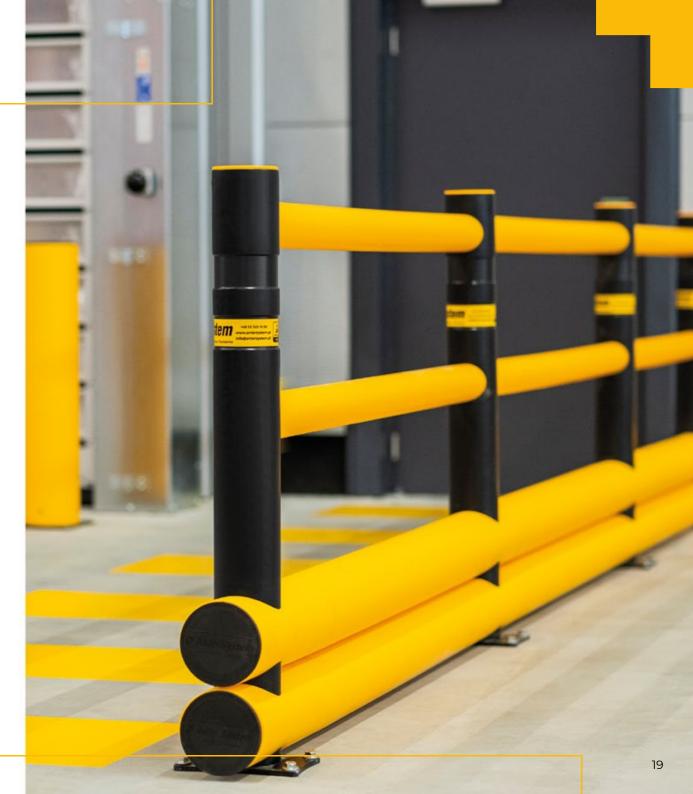
Application: marking out footpaths, pedestrian protection, for indoor and outdoor use.

Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.





"Comprehensive solutions secured various zones. In order to separate employees from the routes of forklift operators, Pedestrian LT barriers were used, with a double lower beam against forklift impacts. GBD barriers were designed and implemented to protect walls, columns and gates. Wall Protector barriers were ideal for high material storage areas."

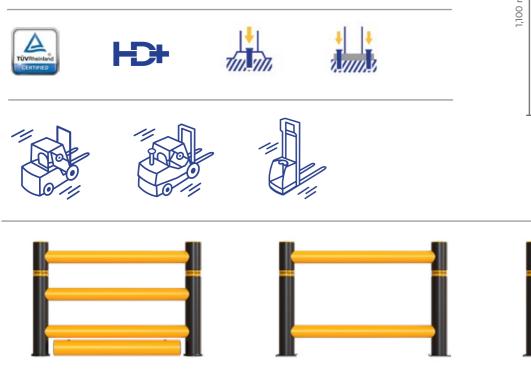




SAFETY BARRIERS

THEY MARK OUT TRANSPORT ROUTES, INCREASE PERSONAL SAFETY, PROTECT MACHINES AND WORKPLACES

Suitable for areas with very heavy traffic and a high risk of collisions involving medium- and heavy-weight industrial trucks. Flexible safety barriers significantly improve the safety of personnel and goods in industrial settings. They are extremely resistant and minimise the shock to the vehicle driver in the event of a collision.

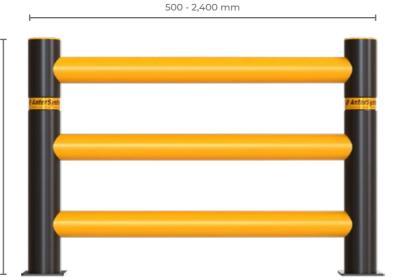


TRAFFIC R2

FLEXIBLE BARRIER

TRAFFIC R3 GB

FLEXIBLE BARRER







TRAFFIC R2 GB FLEXIBLE BARRIER

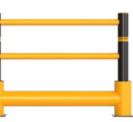


TRAFFIC R3 KB FLEXIBLE BARRIER









TRAFFIC R3 SWING FLEXIBLE BARRIER

HT FLEXIBLE BARRIER

RE HANDRAIL FLEXIBLE BARIER

Material: flexible plastic

Dimensions:

- Lengths available: 500 mm 2,400 mm
- Height: 1,100 mm
- Modular connection possible
- Fixing: external M16, internal M30 (chemical anchor)
- HD+ version available

Application: protection of racks, walls, machines, loading ramps, marking out transport routes, fencing off production and storage areas.

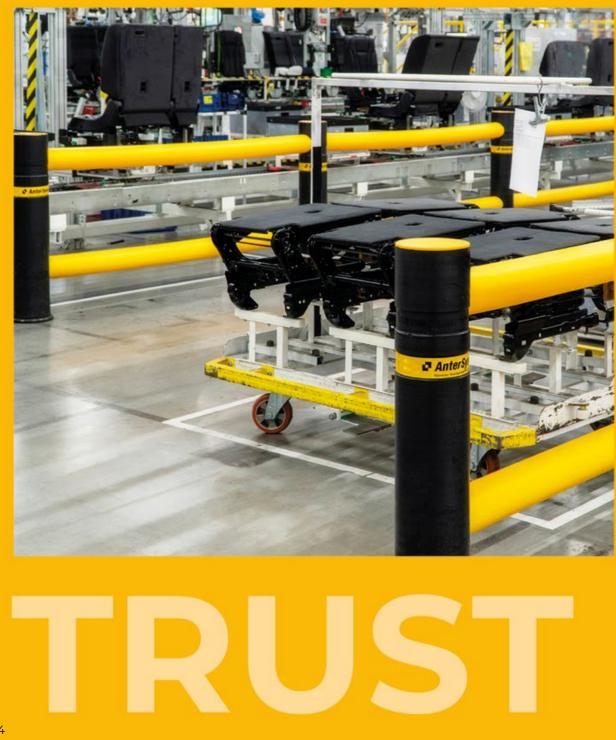
Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.









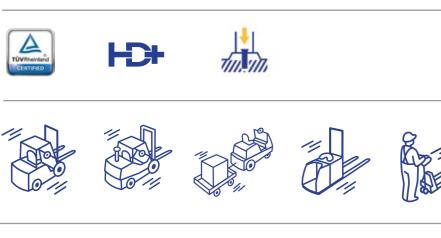




KERB BARRIERS

THEY RETAIN IMPACT FORCE ABOVE FLOOR LEVEL

They protect walls, storage racks and machinery. They are a commonly used safety feature that complement other types of barriers in protecting, for example, against forklift forks. They are mounted directly on the floor or just above floor level. Kerb barriers are used for fencing off transport routes and storage areas.







Material: flexible plastic

- Available in HD+ version
- Dimensions:
- Lengths available: 400 mm 3,000 mm
- Height: 145/160/180 mm, 220 mm for HD+ version Diameter: 125/140/160, 200 mm for HD+ version
- Modular connection possible
- Fixing: internal M12/16, M20 for HD+ version
- HD+ version available

Application: protection of racks, walls, machines, loading ramps, marking out transport routes, fencing off production and storage areas.

Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.













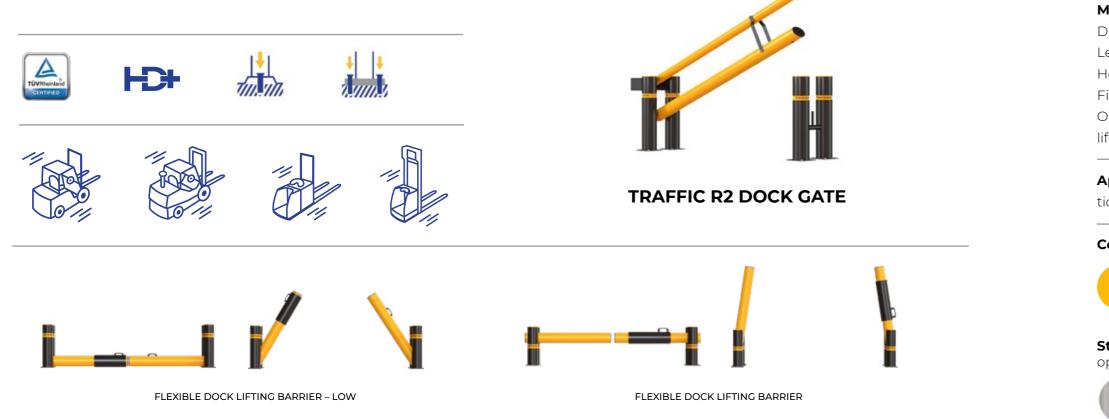
"The installation of KB barriers contributed to increasing storage efficiency and improving the safety of the warehouse area. This solution not only saves time and costs, but also increases the overall functionality of the pallet box storage area."



LOADING DOCK PROTECTION

SAFE ENVIRONMENT FOR HANDLING ACTIVITIES

A range of products to help eliminate hazards to warehouse personnel, the driver and infrastructure in the designated area. Our loading dock protection systems stand out with their high resistance to impact by heavier vehicles. They facilitate and streamline the handling of goods and protect gates, ramps, ceilings and landings from potential collisions with vehicles or forklifts.



2000 - 4,500 mm



PA FLEXIBLE SAFETY BOLLARD

Material: flexible plastic

Dimensions:

Lengths available: 2000 mm – 4,500 mm

Height: 110 mm

Fixing: external M16 anchors, internal M30

On request, the Dock Gate can be equipped with an automatic

lifting system with sound and light signals.

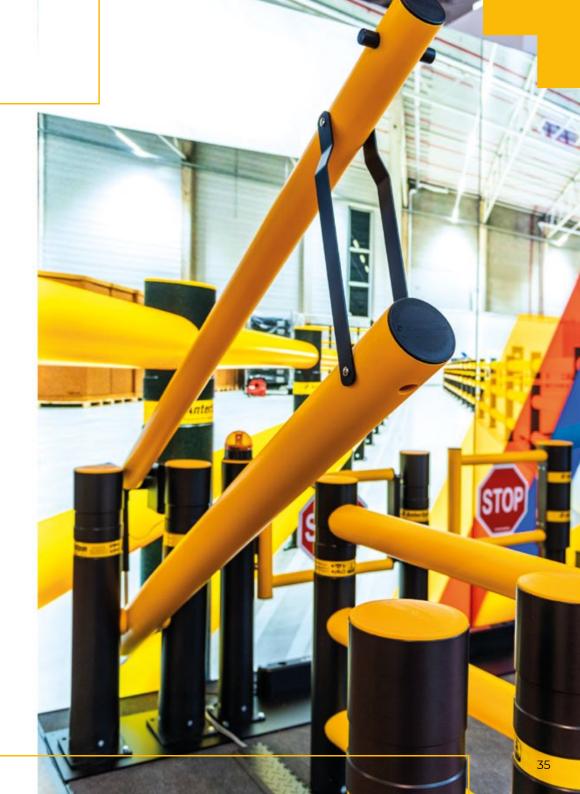
Application: protection of gates, ramps, walls, docks. For protection of loading areas from uncontrolled vehicle traffic.

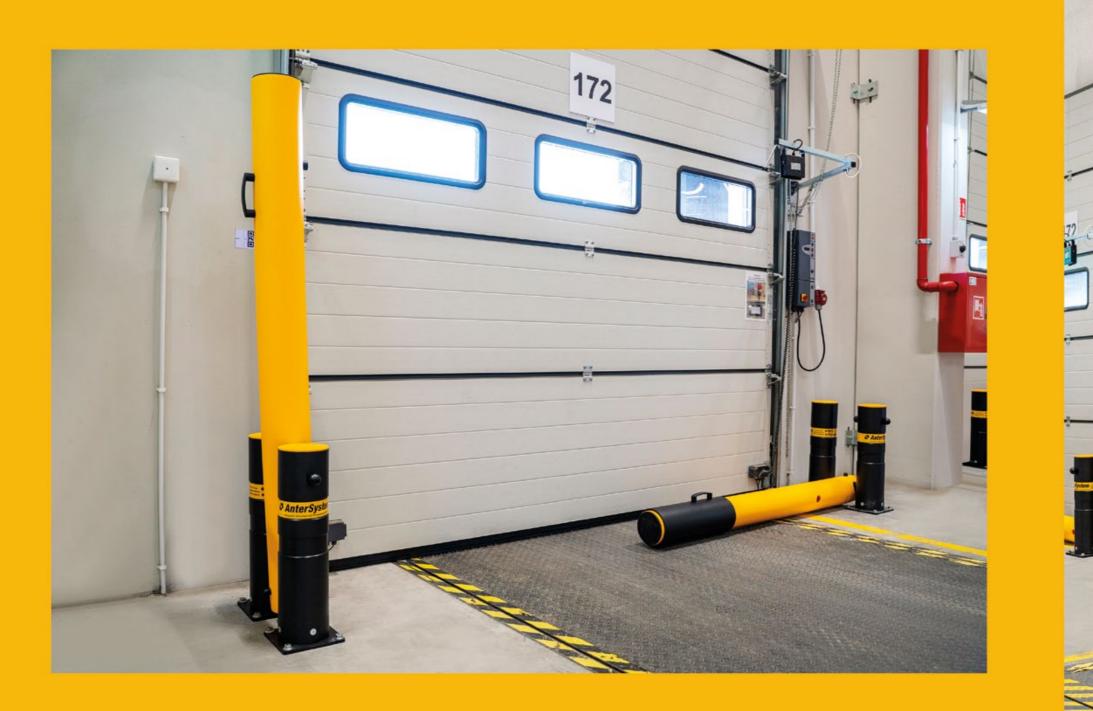
Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.









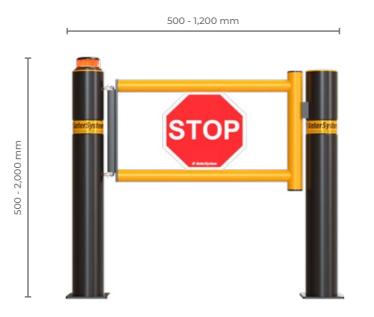
SAFETY GATES

EFFECTIVE PROTECTION AND MARKING OF PEDESTRIAN CROSSINGS

They protect locations where pedestrian paths intersect with transport routes. These products are compatible with flexible safety barriers. Their dimensions, side of opening and auxiliary equipment can be adapted to the requirements and characteristics of the installation site. Safety gates ensure a tidy space and appropriate, safe passageways.

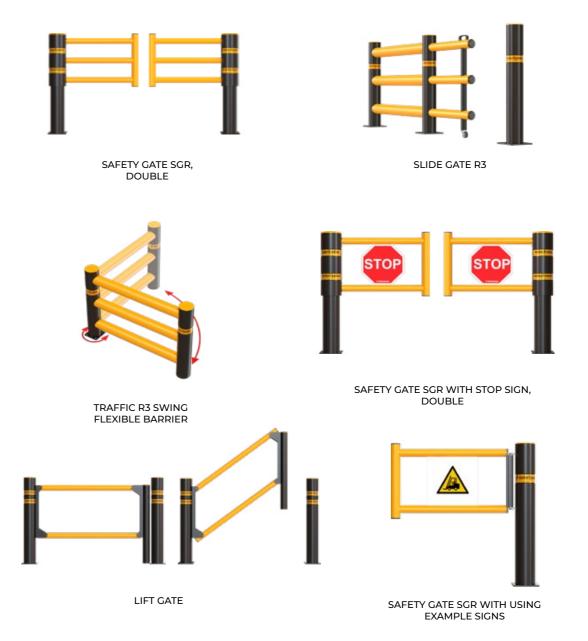
TÚVRheinland GERTIFIED	HD+	KIERUNEK PRZE-ASCIA	ZAKAZ PRZEJSCIA	
			CAN BE USED, E.O DANGER ZONE,	G.: PROHIBITION DIRECTION OF

OF PASSAGE, DANGER ZONE, DIRECTION OF PASSAGE



SGA SAFETY GATE WITH STOP SIGN AND WARNING LIGHT





Material: flexible plastic Dimensions: Height: 500 mm – 2,000 mm Available lengths: 500 mm – 1,200 mm Fixing; external M12, M16 anchors, internal M30

This variant includes a warning sign - STOP sign and additional warning light signal. The mechanism opens one way or both ways. The gate can also be equipped with an automatic opening / closing system.

Application: to ensure a safe crossing point for pedestrians.

Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.









"A client from the automotive industry came to us with a problem of securing communication routes while ensuring access to storage areas. In order to increase safety and optimize working time, Lift Gates were used along the communication route. This solution enabled safe passage along pedestrian paths, while temporarily closing the space."



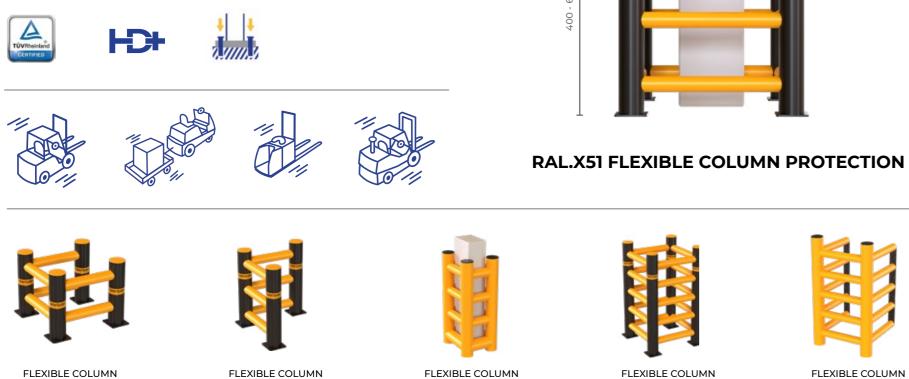




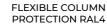
COLUMN PROTECTION

THEY PROTECT THE BUILDING STRUCTURE

Flexible column protection protects very sensitive areas that, if damaged, may cause serious structural or infrastructure damage. The flexible plastic used in the products increases the strength of the posts and minimises damage to forklifts. Column protection can be installed at different heights and planes, directly to the floor or applied to the column.



PROTECTION RAL.X3 "L"





FLEXIBLE COLUMN PROTECTION RAL.X5

200 - 2,000 mm



FLEXIBLE COLUMN PROTECTION RAL5W











PROTECTION RAL.X2 "U"





RAL.X3 GB SINGLE-SIDE FLEXIBLE COLUMN PROTECTION

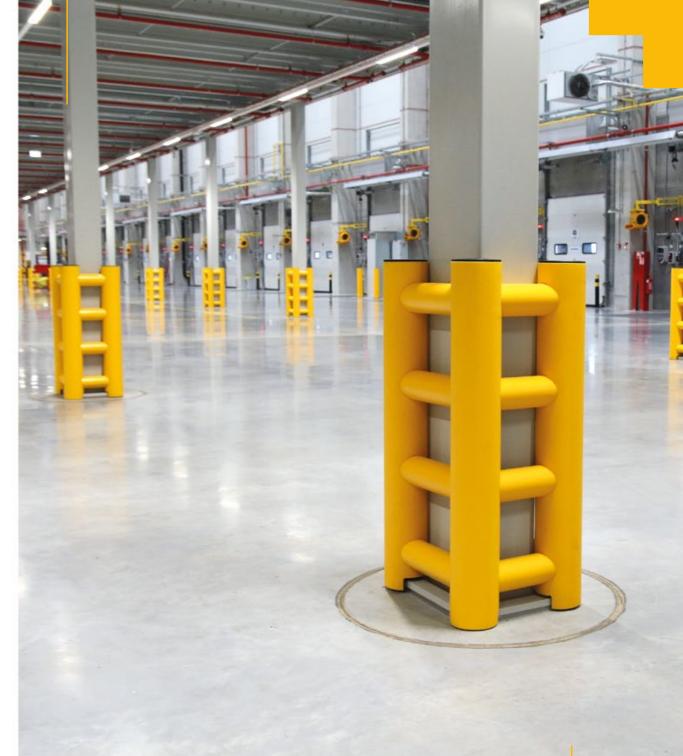
RAL.X3 GB FLEXIBLE COLUMN PROTECTION

- Material: flexible plastic
- Dimensions:
- Width: 200 mm 2,000 mm
- Height: 400 mm 6,000 mm
- Fixing: external M12/M16
- Product dimensions can be customised

Application: protection of columns and infrastructure.

Colour versions: yellow and black

Stainless, galvanised steel can be used in the barrier base as an option.









Pole protections provide protection for infrastructure of various dimensions, shapes and locations. Thanks to a variety of mounting options, they can be anchored to the floor (**RAL.X**), mounted directly on the pole (**RAL**) or fixed to the wall.

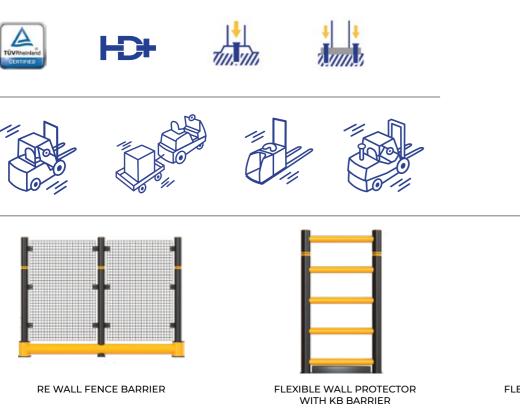
Various forms of security are available, including also **U- and L-shaped variants**, providing versatility and adaptation to different needs.

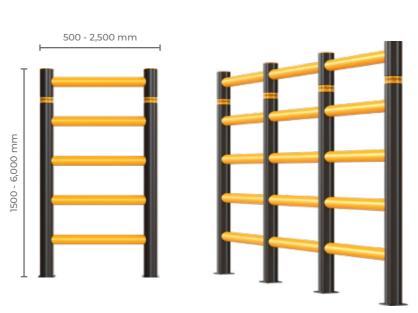


HIGH STORAGE BARRIERS

THEY PROTECT PEOPLE AND GOODS IN HIGH STORAGE AREAS

These are used to secure areas where there is a high storage system for goods without storage racks. They prevent the movement of goods or entire pallets stored in layers. They maximise the space available in the warehouse. They can also be used to separate individual zones in logistics facilities.

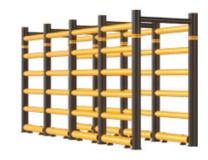




FLEXIBLE WALL PROTECTOR







FLEXIBLE SAFE CORRIDOR WITH GB BARRIER



FLEXIBLE WALL PROTECTOR WITH GB BARRIER

Material: flexible plastic

Dimensions: Module width: 500 mm – 2,500 mm Height: 1500 mm – 6,000 mm Modular and extendable in many configurations Fixing: external M16, M20, internal M30 HD+ version available

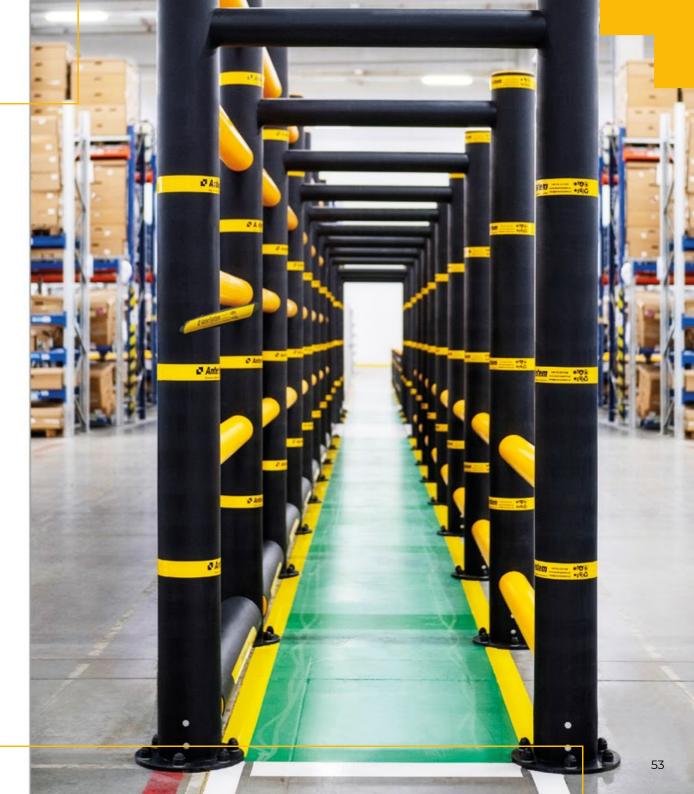
Application: protection of machines, walls, production and storage areas against accidental sliding down of stacked goods, separation of high storage areas.

Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.









"For a long time we have been looking for and consulting various solutions for securing storage areas in stacks of our heavy products. The Anter System proposal, which we finally decided on in 2018, convinced us with its solid construction, ease of installation in a limited space, as well as high aesthetics, which is important to us. We have thus achieved the goal of significantly reducing the risk of overturning of material stored near workstations and passageways."

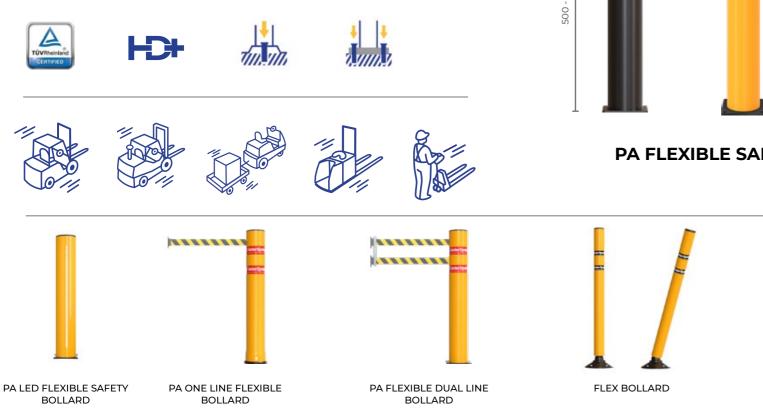
OHS Manager at Leoni Kabel Polska Sp. z o. o.



SAFETY BOLLARDS

PROTECT VULNERABLE AREAS

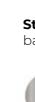
Reliable protection for strategic, vulnerable locations such as entrance gates, structural columns, electrical switchgear and building facades. Safety bollards block entry for forklifts and transport vehicles, leaving space for pedestrians to cross. The type of bollard is matched to the vulnerability of the location, and to the weight and speed of moving vehicles.





PA FLEXIBLE BOLLARD WITH INFOR-

MATION, WARNING SIGN





Material: flexible plastic

Dimensions: Height: 500 mm – 3,000 mm Diameter: 125/140/160 mm, 200 mm for HD+ version Fixing: external M12, M16, SLIDE PLATE, internal M30 HD+ version available

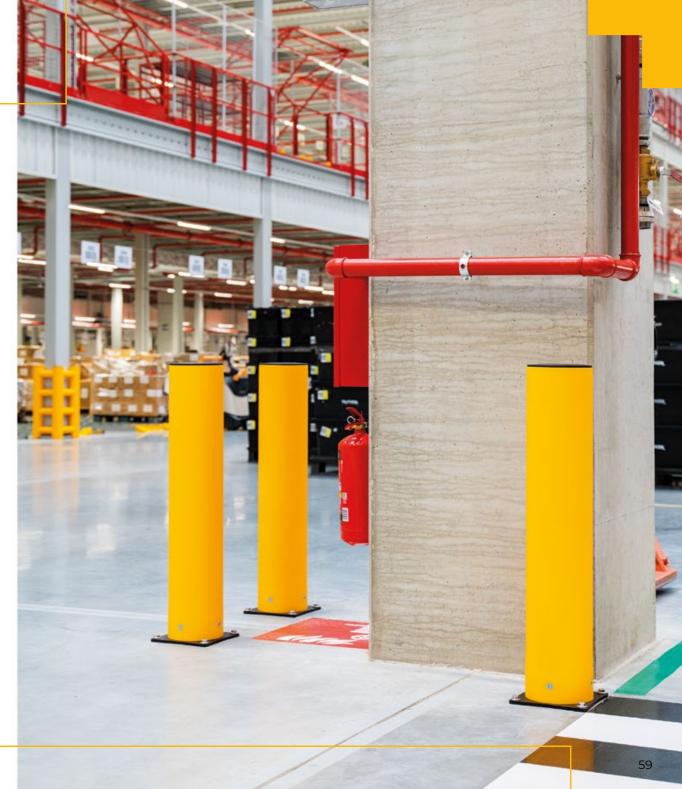
A safety bollard can be additionally equipped with barrier strips or other types of fencing, reflective strips or LED lights and information signs.

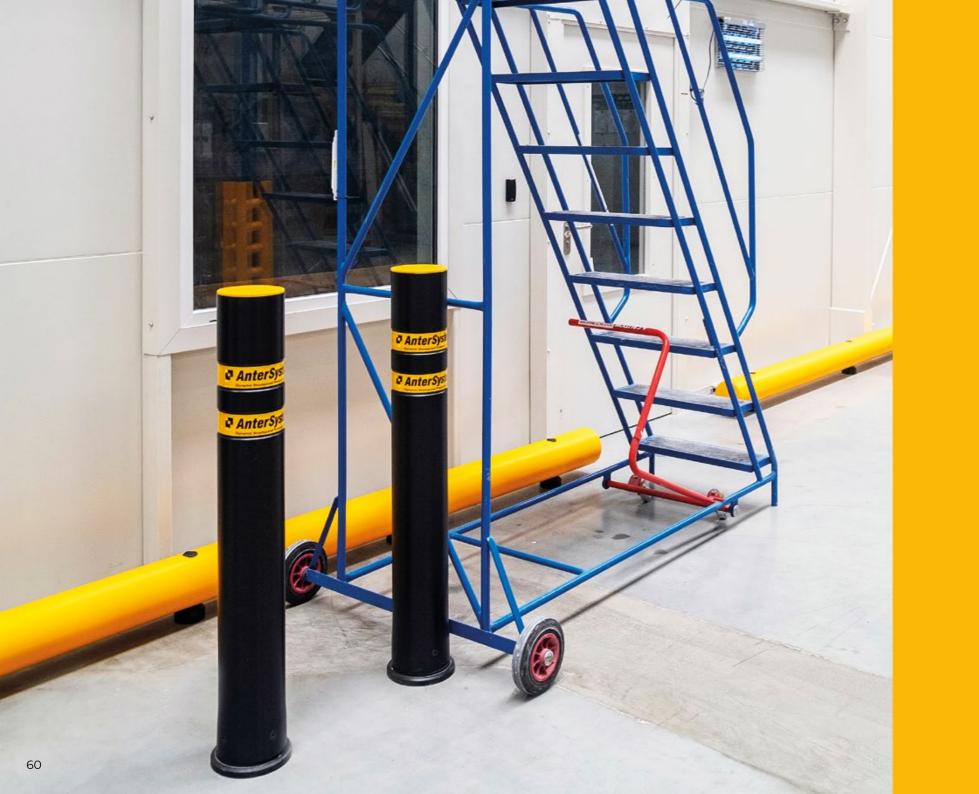
Aplications: protection of machinery, gates, columns, walls, storage racks, both indoors and outdoors.

Colour versions: yellow and black

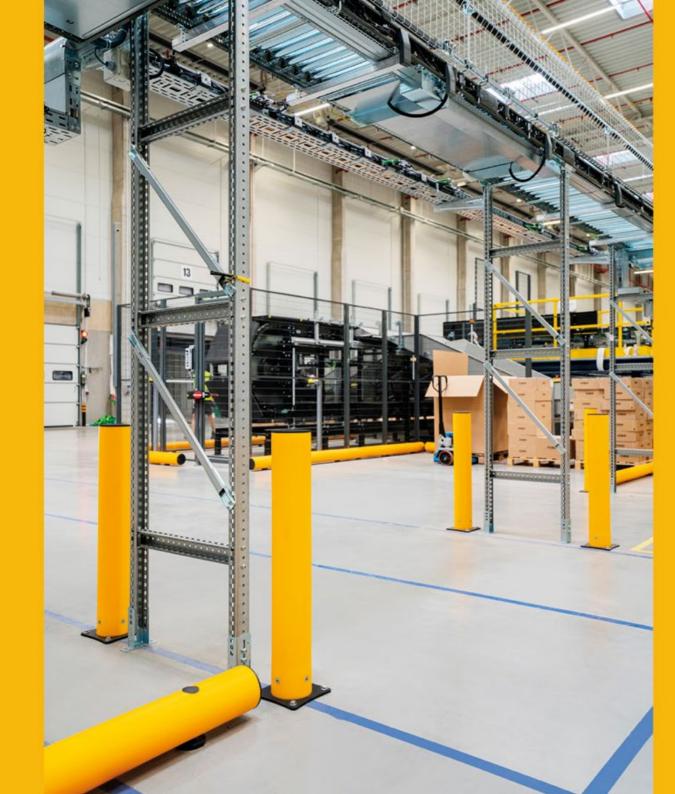


Stainless, galvanised steel can be used in the barrier base as an option.









"For the world's largest American contract logistics operator, we designed and implemented conveyor and transporter security by using flexible GB barriers produced by Anter System. The concept created also increased safety by fencing machines, passages and work areas using flexible Pedestrian R3 HD+ protective barriers. PA HD+ protective poles were used to protect critical points."





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DB FLEXIBLE BARRIER

RACK PROTECTION

FOR THE MOST SENSITIVE PARTS OF THE RACKS, AND FOR MACHINE PROTECTION

GBD FLEXIBLE BARRIER

These provide effective protection for even the most sensitive parts of the storage racks, such as the front of the racks, and the machinery moving between them. They are ideal for areas exposed to damage from forklifts and industrial trucks. They increase the durability of storage shelves and infrastructure.



DBKB FLEXIBLE BARRIER

REGB FLEXIBLE BARRIER

500 - 2,400 mm

RACK END FLEXIBLE BARRIER



Stainless, galvanised steel can be used in the barrier base as an option.



Material: flexible plastic

- Dimensions: width: 500 mm 2400 mm height: 400 mm - 600 mm Possibility of modular connection Fixing: external M12, M16 - internal M30 (chemical anchor)
- HD+ version available

Application: protection of racks, machinery, gates; for indoor and outdoor use.

Colour versions: yellow and black











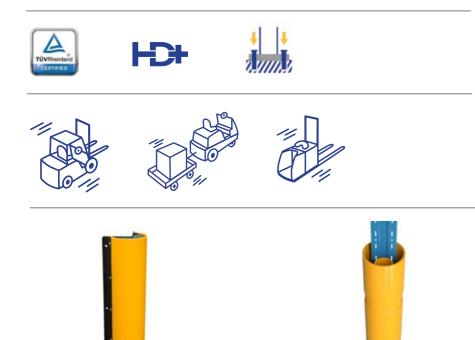
"Implementation of security for loading docks made for a company dealing in logistics, warehousing, and international transport. Flexible Barriers protect gates against damage to critical infrastructure. They optimize the costs of servicing the damage that could be created by the forks of the forklift, as well by sliding pallets. Barriers are durable against impacts and increases work safety. The material used in the barriers is resistant to corrosion, which guarantees long-term protection without the need for additional maintenance."

BILTY

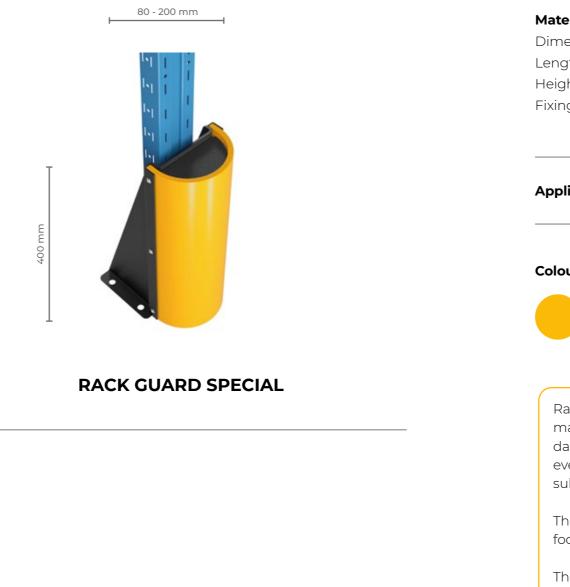
RACK GUARDS

180 OR 260 DEGREES OF COLLISION PROTECTION

Structures designed to protect columns, pillars and rack legs as effectively as possible. A thick layer of impact-absorbing foam not only protects the columns from lightweight handling vehicles, but also prevents injury to workers that might be caused by the sharp edges of steel columns. Another version ensures protection with its resilient design. Made from high-quality materials, it combines robustness with flexibility, providing excellent protection for shelves against damage.



CORNER BUMPER



Material: flexible plastic, PE foam, steel Dimensions: Lengths available: 80 mm - 200 mm Height: 400 mm Fixing: external M10, M12

Application: protection of racks and pillars

Colour versions: yellow

Rack guards are used to protect warehouse racks against damage caused by forklifts or pallets with goods. They prevent damage to the shelf structure, which in extreme cases may even lead to it tipping over, which generates downtime and subsequent financial losses.

The products **meet HACCP standards** and can be installed in food and pharmaceutical industry plants.

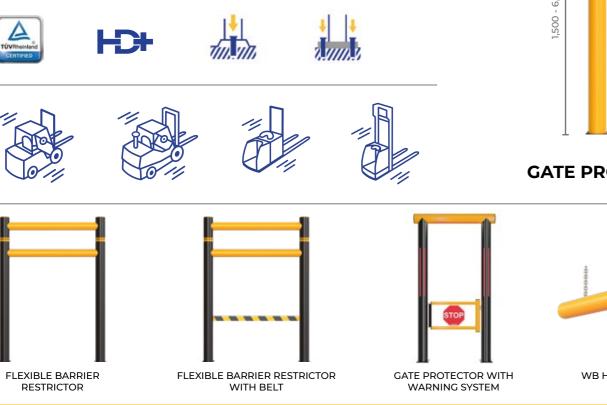
They are also suitable for use in cold stores and freezers.



HEIGHT RESTRICTORS

FUNCTIONAL PROTECTION OF LOW-HEIGHT INFRASTRUCTURE AND GATES

Height restrictors provide functional protection for exit gates and above-ground infrastructure. They are modular which means that they can be adapted to any door and passageway, and can be used for marking out passageways with non-standard shapes. Height restrictors can be combined with flexible barriers of other types, such as Pedestrian barriers. They can be used to cordon off the entrance for forklifts and industrial trucks by creating windows for the safe transfer of goods and material.









Material: flexible plastic

Dimensions: width: 2,000 mm – 6,000 mm height: 1,500 mm – 6,000 mm Possibility of modular connection Fixing: - external M16/M20 - internal M30 (chemical anchor) HD+ version available

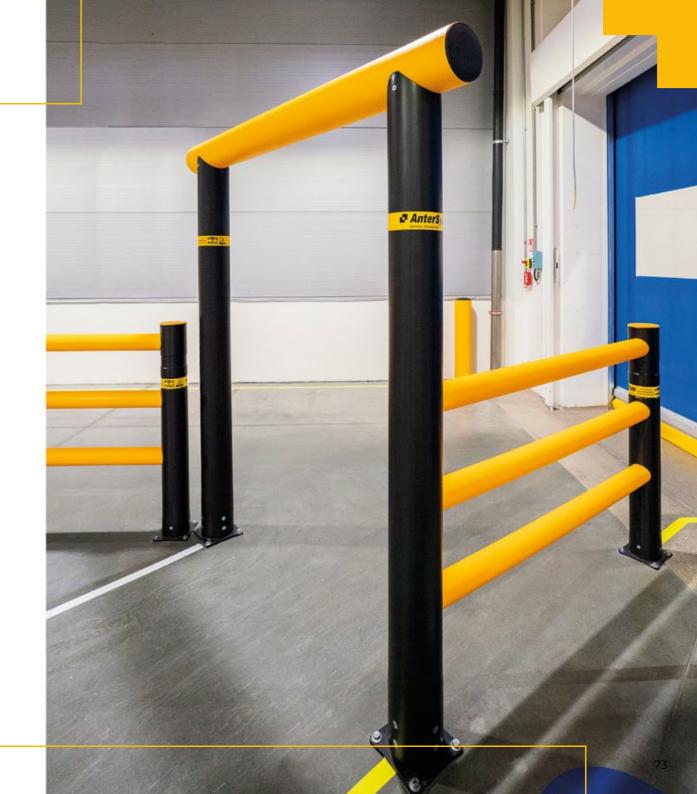
Application: near gates of all types and in the area that connects the warehouse with the production floor, protection of ceilings, landings, low-height passages.

Colour versions: yellow and black



Stainless, galvanised steel can be used in the barrier base as an option.





"The project tailored to the individual needs of the client was an order for the automotive industry from Germany. To eliminate the risk of collisions between forklifts and pedestrians, flexible safety gates and traffic barrier systems were installed. A number of products equipped in the space increased the level of safety and streamlined production processes."



- Securing the **edges of gates**
- Securing **cables and equipment** suspended above the ground
- Preventing tall vehicles from hitting **high-placed loads** or **forklift masts**
- Warning drivers if the vehicle or load is too high
- Securing above-ground infrastructure
- Securing elements such as door frames and loading ramps
- Sound and light alarm to prevent damage







SHOCK ABSORBER PLATE

SHOCK- AND ABRASION-RESISTANT FLAT SURFACE PROTECTION

A shock absorber plate effectively protects flat surfaces in the areas of high risk of impact or abrasion. Shock absorber plates are suitable for small spaces or areas where, for various reasons, standard barriers cannot be installed and walls or pillars must be protected from the impact of pallets and forklifts.





SHOCK ABSORBER PLATE



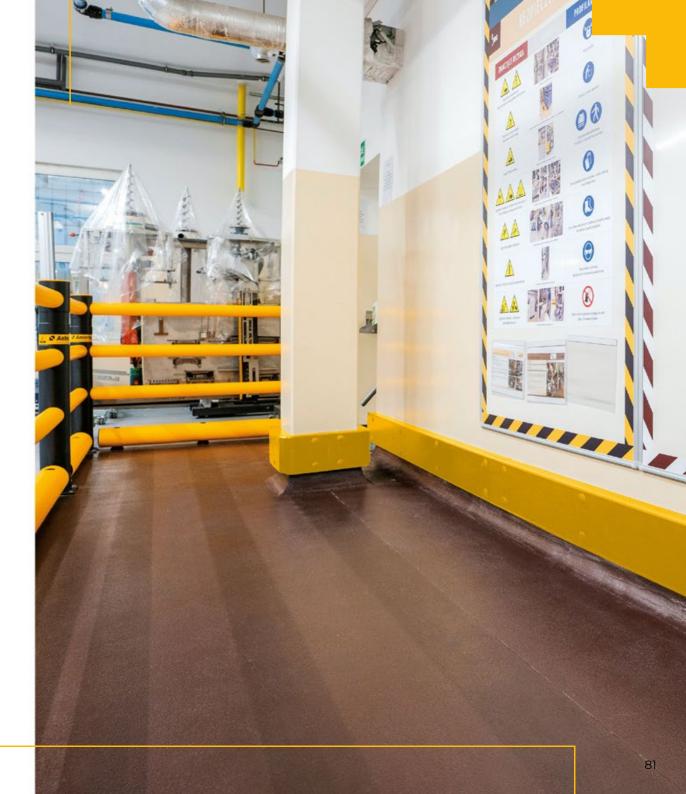
ERTAX PROTECTIVE ANGLE

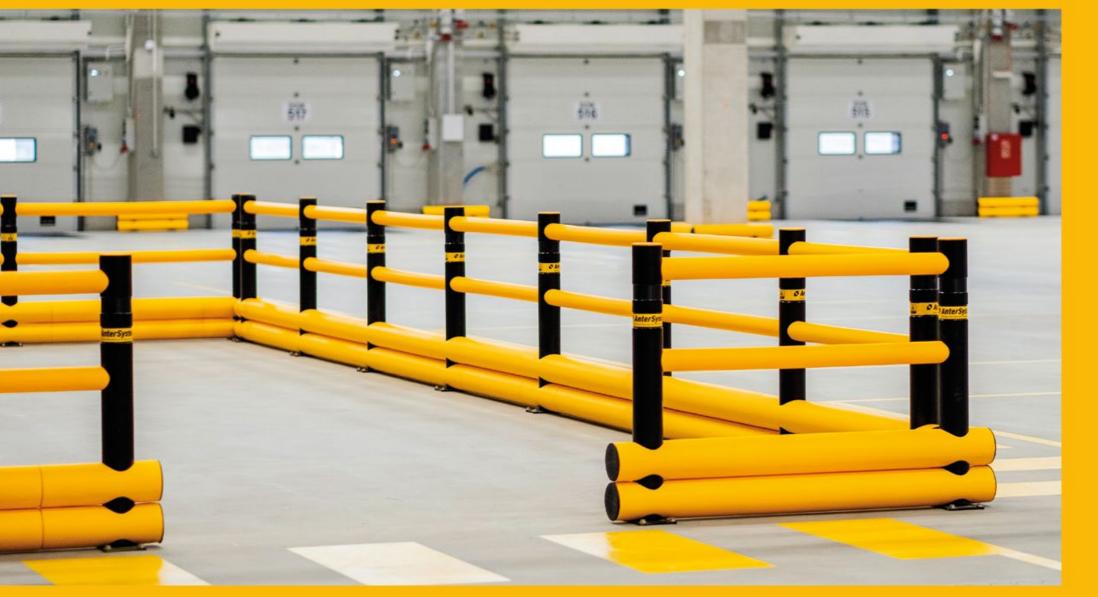
Material: flexible plastic Available lengths: modules from 2,500 mm Height: 50 mm – 2,500 mm Thickness: 10 mm – 60 mm Fixing: - external M10, M12

Application: in any location requiring the protection of walls, columns, floors and other flat surfaces exposed to impact. It can be easily installed and maintains hygiene standards.

Colour versions: yellow, black and white







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Meets stringent hygiene standards



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