FLEX IMPACT 4.1.EN

The original polymer barrier system

boplan

FLEX IMPACT®
BY BOPLAN

BOPLAN

The Ultimate Safety Materials Manufacturer

Boplan designs, develops and manufactures durable and extremely effective safety barriers for demanding environments. The focus is on the protection of people, vehicles, buildings and infrastructure. We only use high-quality and extremely strong plastics, so the features of traditional raw materials become meaningless.

Boplan modular systems are the most innovative available on the market and are used to secure industrial buildings, warehouses, production halls, airports, drilling platforms and (petro)chemical sites. We offer a solution for any specific application.

Thanks to our passion for quality and sense of innovation, we have become one of the sector's leading companies. All products and systems are manufactured in Belgium and are tested in advance to meet the highest standards.

OUR MISSION:
Boplan is committed to create extraordinary products and challenge existing standards in industrial safety! We do this through our talented and dedicated team, a constant drive for innovation, and a passion for exceeding our customer's expectations.

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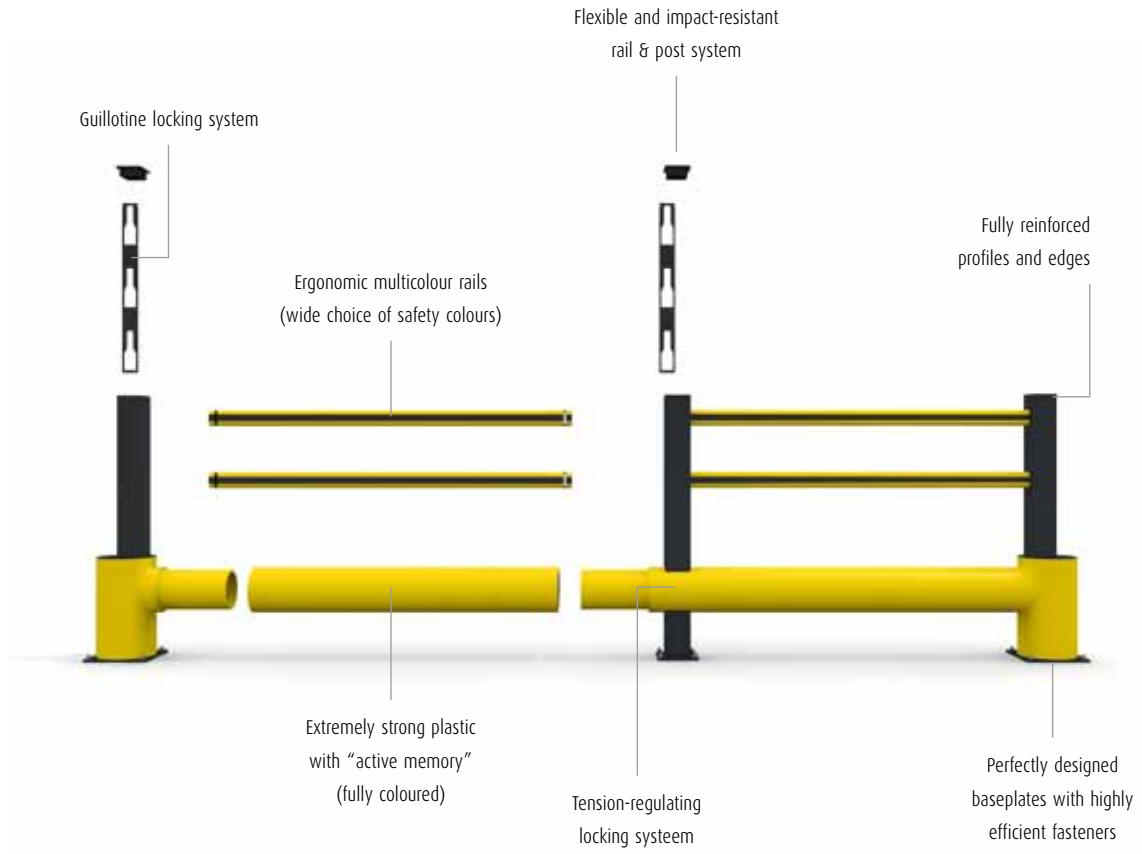
FLEX IMPACT

The original polymer barrier system

FLEX IMPACT has been specially developed to create a safe (working) environment in an economical manner. To ensure perfect protection of people, machinery, tools, goods, buildings and infrastructure in places where forklift trucks, carriages or other vehicles are used. After all, machine downtime or repairs after collision still result in excessive and unreasonable costs. Moreover, there are also the adverse effects in the event of human injury. Therefore, the FLEX IMPACT system has been tested extensively to comply with the strictest safety standards. FLEX IMPACT has been developed totally modularly so the separate elements can be easily positioned and, if required, replaced. This is a cost-saving factor that must be highly valued.



MODULAR · STRONG · IMPACT RESISTANT

TECHNOLOGY

Highly technological, extremely impact-resistant and ecofriendly

Iron and steel are still used far too often to make industrial safety barriers, with all their disadvantages: the materials have to be treated and coated, the metal deforms with every collision (resulting in expensive repair or replacement), element fasteners are torn loose, so the concrete flooring is damaged, the parts are quite heavy which makes installation and transport difficult, etc. FLEX IMPACT is made of thick-walled, reinforced plastic elements. This means increased impact resistance, even in the case of high-speed collisions. The elements are flexible so that they return to their original shape after a collision.

Why plastic?

Our high-quality and very strong plastics perfectly cover the disadvantages of steel and offer a whole range of other advantages:

- rust and corrosion resistant
- chemical resistant
- mass-coloured
- active memory
- compressible and flexible
- limited damage to vehicles and rolling stock
- fasteners cannot be torn from the floor
- extremely safe and impact resistant, even in the case of high-speed collisions
- easy use, assembly and maintenance
- modular, so easily adjustable
- extremely long life
- limited ecological footprint
- light, so lower environmental impact when it comes to shipping
- 100% recyclable – green solution
- cost-saving

PROGRESSIVE AND GREEN

Boplan deploys all the people, means and techniques required to offer qualitative, competitive and innovative safety solutions. This is all based on a passion for sustainable business. We hereby apply a far-reaching cradle-to-cradle philosophy whereby used installations (also made of metal) are taken back to be recycled into new raw materials for new applications. Our own production waste is re-used in the same way. Moreover, our products are very light, so they do not burden the environment unduly with polluting shipments.

Our factory in Belgium is also an example of sustainability: on-site generation of electricity through solar panels, sound construction materials, perfect use of natural lighting, far-reaching insulation and ventilation with air conditioning controlled by heat pumps.

PRODUCTS

Discover our large product range

HANDRAILS
Multifunctional rail system for both indoor and outdoor application 6

TRAFFIC BARRIERS
Protection from forklift truck and other vehicle traffic 10

BOLLARDS & GOAL POSTS
Protection for gates and entrances 14

RACK PROTECTORS
Perfect protection for racks 16

COLUMN & CORNER PROTECTORS
The best protection for supporting posts and columns 20

SAFETY GATES
Innovative entrance gates 22

FLOOR MARKING
Innovative marking systems 24

CONVENIENT AND MODULAR · EASY INSTALLATION · PERFECT VISIBILITY · COMPLIES WITH ALL SAFETY STANDARDS

HANDRAILS

Multifunctional rail system for both indoor and outdoor application

A harmonious co-existence of people and vehicles demands strict regulations as well as safe Boundaries. FLEX IMPACT Handrails have been specially designed to separate people logically and clearly from traffic in gangways or other busy places. Our handrails are available in heavy-duty and light versions and offer maximum safety, thanks to their strong and impact-resistant plastic design. Moreover, the handrails include 2 or 3 beams, depending on the location to be secured.

HD LIGHT

Separation for pedestrians and section blocking

- Product: modular, std. L 1,500 x H 1,100mm (all sizes available, up to 2,000mm), 2 fasteners
- Post colour: std. B (option: Y-BL) / Rail colour: std. Y (option: G-YB-BY-BR-BO)
- Accessories: corners, skirting-boards, stainless steel version, etc.

HD MEZZA

Separation for pedestrians on mezzanines, floors and heights

- Product: modular, std. L 1,500 x H 1,100mm (all sizes available, up to 1,500mm), 2 fasteners, including skirting-board
- Post colour: std. B (option: Y-BL) / Rail colour: std. YB
- Accessories: corners, skirting-boards, stainless steel version, etc.

HP PLUS

Reinforced separation for pedestrians and boundaries for high-risk areas with traffic

- Product: modular, std. L 1,500 x H 1,100mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. B (option: Y-BL) / Rail colour: std. Y (option: G-YB-BY-BR-BO)
- Accessories: corners, skirting-boards, stainless steel version, gates, marking, etc.

Colours of ergonomical rails (all sizes available):

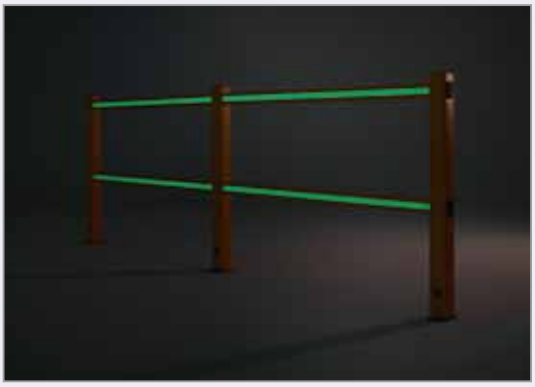
Y = yellow
G = grey
YB = yellow/black
BY = black/yellow
BR = black/red
BO = black/orange
BL = black/luminescent

Handrail Glow in the Dark

Multifunctional rail system for both indoor and outdoor application

Light

Half dark



Dark

Very dark

EXTREMELY IMPACT RESISTANT · MODULAR AND EASY TO INSTALL · SUBJECTED TO THE STRICTEST TESTS · RETAINS SHAPE, LOOK AND FEATURES AFTER COLLISION

TRAFFIC BARRIERS

Protection from forklift truck and other vehicle traffic

FLEX IMPACT Traffic Barriers have been specially designed to protect machinery and buildings against collisions of forklift trucks and other heavy-duty vehicles. They are designed for use in environments where fast shipment occurs or where heavy loads are shipped. Crash tests have demonstrated that these barriers can resist the impact of a 3.5 ton forklift truck collision at high speed. Moreover, fasteners are not torn from the floor and the flexible elements return to their original shape after the collision. Due to their modular construction, the Traffic Barriers enable phased finishing or extension. The TB Mini provides adequate protection against light vehicles.

TB MINI

Demarcation of areas for light transport vehicles with a low impact risk

- Product: std. L 2,000 x H 180mm (all sizes available, up to 1,999mm), 2 fasteners
- Colour: std. Y-B
- Accessories: stainless steel version, skirting-boards, etc.

TB 200

Demarcation of areas for vehicles, dock levelers and wheel stoppers

- Product: modular, std. L 1,600 x H 210mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, etc.

TB 400

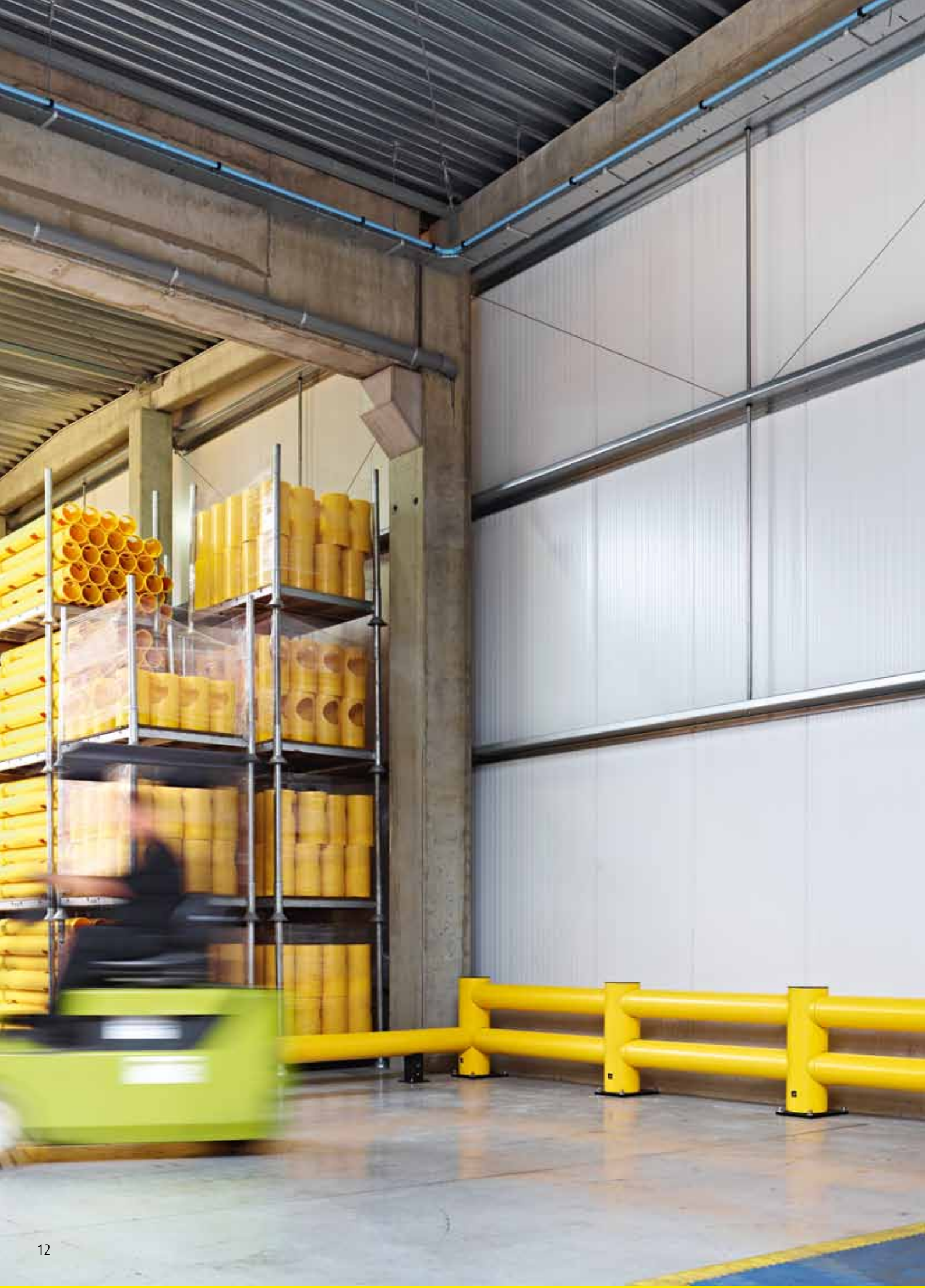
Demarcation of areas for vehicles with impact risk

- Product: modular, std. L 1,600 x H 400mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, skirting-boards, etc.

TB 550

Demarcation of areas for vehicles with impact risk

- Product: modular, std. L 1,600 x H 550mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, skirting-boards, etc.



TB PLUS

Demarcation of areas for vehicles and pedestrians with impact risk

- Product: modular, std. L 1,600 x H 1,100mm (all sizes available, upt to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, skirting-boards, etc.

TB DOUBLE

Demarcation of areas for vehicles with a high impact risk

- Product: modular, std. L 1,600 x H 750mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, skirting-boards, etc.

TB DOUBLE SUPER

Demarcation of areas for vehicles with a very high impact risk

- Product: modular, std. L 1,600 x H 750mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, skirting-boards, etc.

TB TRIPLE SUPER

Demarcation of areas for vehicles with a very high impact risk

- Product: modular, std. L 1,600 x H 1,100mm (all sizes available, up to 2,000mm), 4 fasteners
- Post colour: std. BY (option: G-B-O-BO) / Rail colour: std. Y (option: G-B-O)
- Accessories: corners, stainless steel version, skirting-boards, etc.

EXTREMELY IMPACT RESISTANT · MODULAR AND EASY INSTALLATION · REFLECTIVE COLOURS AND PATTERNS FOR A BETTER VISIBILITY · RETAINS SHAPE, LOOK AND FEATURES AFTER COLLISION

BOLLARDS & GOAL POSTS

Protection for gates and entrances

Usually, when gates and entrances get hit, this causes serious long-term problems. After all, this could disturb the flow of people and products for a long time. FLEX IMPACT Bollards and Goal Posts can prevent this easily and effectively. Their plastic construction ensures a perfect energy absorbing capacity. This means that Bollards and Goal Posts, gates, and the colliding vehicles are kept free from damage.

BO LIGHT

Low impact risk for gates, entrances, corners, machinery, demarcation

- Product: std. H 750 mm (all sizes available, from 250mm up to 1,000mm), 4 fasteners
- Colour: std. Y-B-O-G / stripes: Y-B-W
- Accessories: corners, stainless steel version, etc.

BO IMPACT / BO SUPER

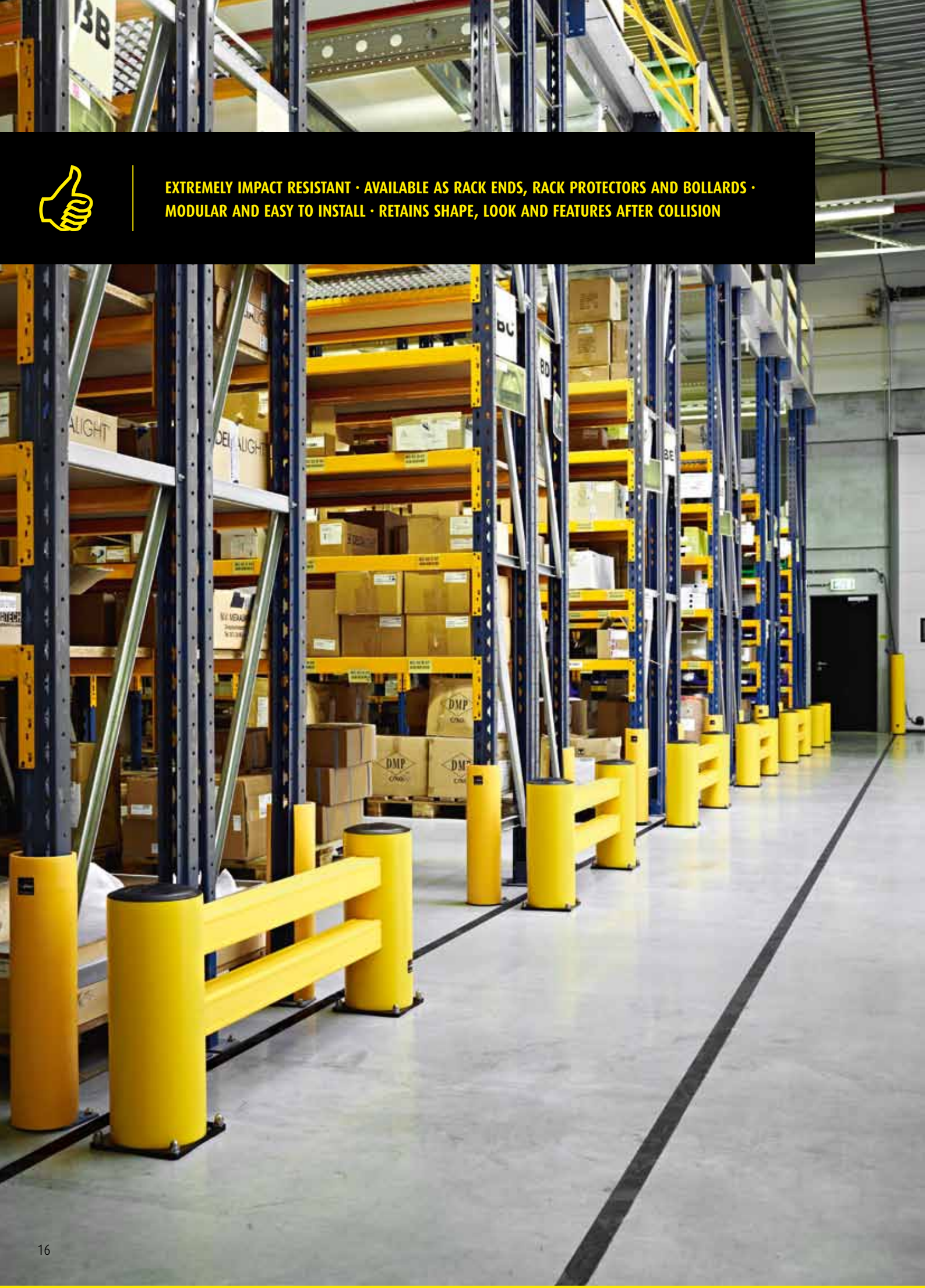
Frequent impact risk for gates, entrances, corners, machinery, demarcation

- Product BO Impact: std. H 1,200mm (all sizes available, from 250mm up to 2,500mm), 4 fasteners
- Product BO Super: std. H 1,200mm (all sizes available, from 250mm up to 2,500mm), 4 fasteners
- Colour: std. Y-B-O-G / stripes: Y-B-W
- Accessories: corners, stainless steel version, sensor, light, etc.

GOAL POST

High impact risk for gates, entrances, height and porch roof delimitation

- Product: all sizes available, up to H 6,000mm, B 4,500mm, 4 fasteners
- Colour: std. Y-B-O-G
- Accessories: stainless steel version, touch barriers, stripes, signs, sensors, etc.



EXTREMELY IMPACT RESISTANT · AVAILABLE AS RACK ENDS, RACK PROTECTORS AND BOLLARDS · MODULAR AND EASY TO INSTALL · RETAINS SHAPE, LOOK AND FEATURES AFTER COLLISION

RACK PROTECTORS

Perfect protection for racks

Collisions with warehouse racks can have far-reaching consequences. They almost always result in extremely high material costs when the racks collapse, often made worse by an uncontrollable domino effect. Moreover, this almost always leads to life-threatening situations for the forklift truck driver or for other people in the building. Such disaster scenarios can now easily be prevented by installing our FLEX IMPACT Rack Protectors.

RE RACK END

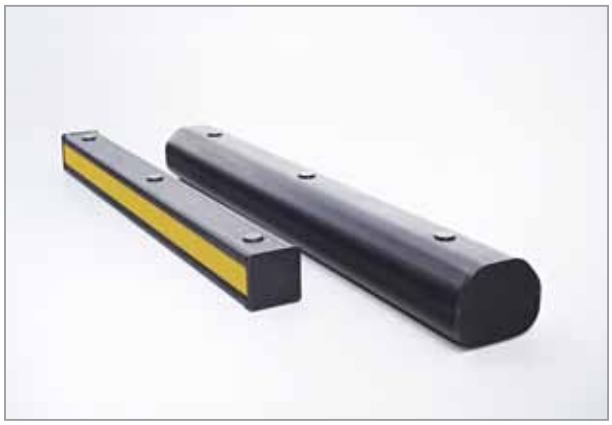
Rack protection

- Product: std. H 550mm, L all sizes available, up to 3,200mm, 4 fasteners
- Post colour: std. Y (option: B-O-G) / Rail colour: std. Y (option: B-YB-BY-BL)
- Accessories: stainless steel version, support post, etc.

RE RACK END WITH SUPPORT

Rack protection

- Product: std. H 550mm, L all sizes available, up to 3,200mm, 4 fasteners
- Post colour: std. Y (option: B-O-G) / Rail colour: std. Y (option: B-YB-BY-BL)
- Accessories: stainless steel version, support post, etc.



PL KICK

Kick rail, conductor, skirting-boards, wall protection, wheel stopper

- Product: H 112 or 180mm, L all sizes available
- Colour: Y-B-BY
- Accessories: stainless steel version, etc.

RackBull®

Universal Rack Protector

- One size fits all
- Extremely impact resistant
- Safety yellow or transparant
- Retains its shape, easy to maintain
- Easy installation

Step 1: Click, Step 2: Done!

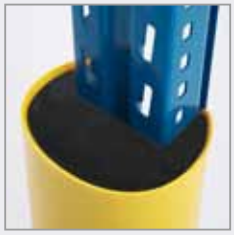
INSTALLATION BY MEANS OF ONE SINGLE CLICK
As from now on worrying about the right size and complex installation procedures are ancient history. Just push the RackBull against the rack support rails and you will automatically hear a click. The RackBull is now connected. Quick, efficient and extremely simple!

ONE SIZE, TWO COLOURS *
RackBull not only distinguishes itself thanks to its 'one size fits all' principle, but also because of its intelligent and well thought-out choice of colours. Next to the standard 'safety yellow' the RackBull is also available in a transparent version. In this way you can put cardboard or plastic strips and charts in the protector containing information that needs to be permanently visible: bar codes, rack numbers, product information etc.

In the future the transparent version will become increasingly important, as more and more countries are implementing a yearly safety inspection of the racks. Thanks to the transparent colour this inspection can be done without having to remove the rack protectors first. That's quite some time that can be gained!

(*) Other colours are available on request.

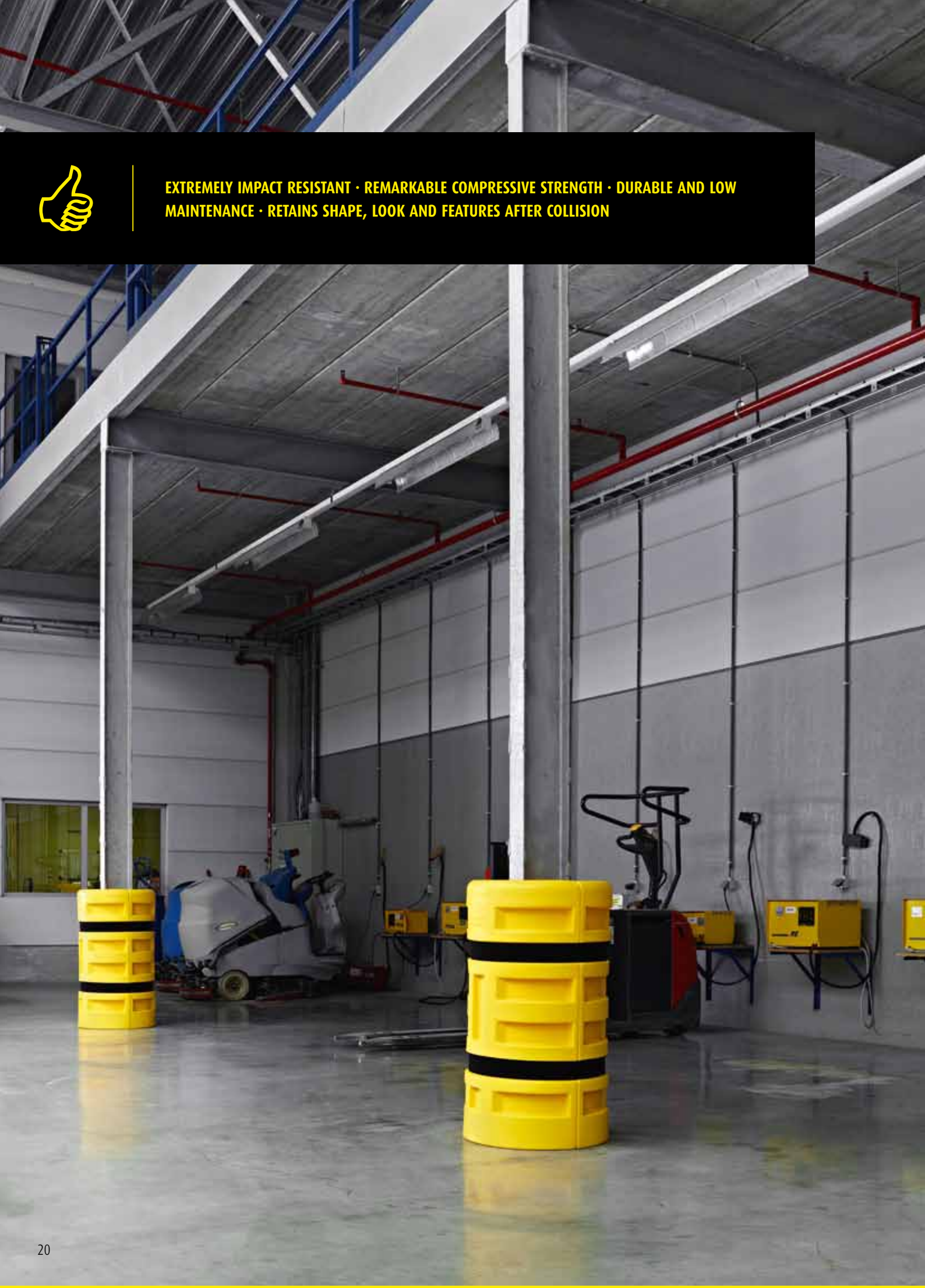
Impact foam



Dust cap

Transparant + inlay

Inlay card



EXTREMELY IMPACT RESISTANT · REMARKABLE COMPRESSIVE STRENGTH · DURABLE AND LOW MAINTENANCE · RETAINS SHAPE, LOOK AND FEATURES AFTER COLLISION

COLUMN & CORNER PROTECTORS

The best protection for supporting posts and columns

Supporting posts and columns in industrial buildings should be protected perfectly. After all, in the long term, collisions can endanger the stability of the entire construction. Our Column Protectors consist of two parts, which are simply attached closely around the post. They have high compressive strength, so any shocks are perfectly absorbed and the post is spared any structural damage. Smaller, non-supporting columns can be protected with our Corner Protectors.

KP PROTECTOR

Column protection, wall protection, post protection

- Product: 100 x 100mm, 150 x 150mm, 200 x 200mm, 300 x 300mm, 400 x 400mm, 500 x 500mm
- Colour: std. Y (other colours available on demand)
- Accessories: stainless steel version, lock, etc.

KP UNIVERSAL

Column protection, post protection

- Product: one size fits all, H 750mm, easily adjustable
- Colour: Y
- Accessories: signal strips, etc.

CP PROTECTOR

Corner protection, machine protection, wall, garage, etc.

- Product: one size fits all, H 1,000mm, for installation use glue or screws
- Colour: Y-B
- Accessories: stainless steel fastening, etc.

DURABLE AND RELIABLE · MODULAR AND EASY INSTALLATION · ACCOMPANYING PARAPETS · LOW MAINTENANCE

SAFETY GATES

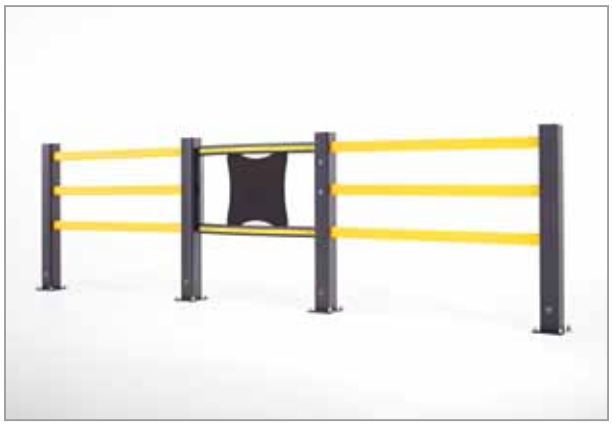
Innovative entrance gates

Gates that are carelessly left open can seriously affect safety. Our Safety Gates range eliminates these risks thanks to self-closing sliding and swinging gates with accompanying parapets. This results in smooth and safer traffic between the various areas in your company.

SG SLIDING GATE

Gates, access, aisles, access to machinery, etc.

- Product: std. 1,000-1,500-2,000mm (all sizes available, up to 2,000mm)
- Colour: std. BY (option: G-YB-Y-BL)
- Accessories: safety signs, stainless steel version, stainless steel fasteners, etc.



SG SWING GATE

Gates, access, aisles, access to machinery, etc.

- Product: std. 1,000-1,500-2,000mm (all sizes available, up to 2,000mm)
- Colour: std. BY (option: G-YB-Y-BL)
- Accessories: safety signs, stainless steel version, stainless steel fasteners, etc.

SG DROP GATE

Gates, access, aisles, access to machinery, etc.

- Product: std. 1,000-1,500mm (all sizes available, up to 1,500mm)
- Colour: std. BY (option: G-YB-Y-BL)
- Accessories: stainless steel version, stainless steel fasteners, etc.

FLOOR MARKING

Innovative marking systems

Self-adhesive icons and marking systems are very important for safety reasons. Our icons are available in various sizes and versions, and our range includes all common international warning and prohibition signs used in industrial environments. Moreover, we have at our disposal an extended range of marking systems made of strips in flashing colours or loose adhesive elements.

LINE PLAN

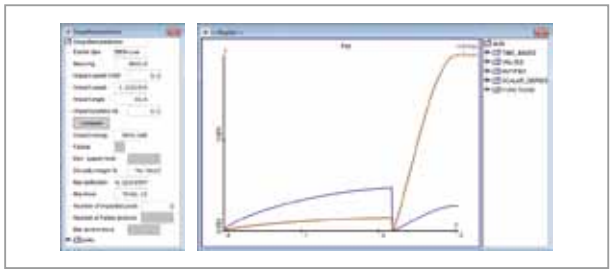
Concrete floors, aisles, gangways, working areas, traffic areas, etc.

- Product: std. B 50-75-100-150mm, L 3,000mm per roll
- Colour: colours on demand
- Accessories: installation of traverser, etc.

TESTED AND APPROVED

Realistic crash tests as the ultimate proof

The certainty we offer you relies on detailed tests. Specialized staff carry out static and dynamic tests. Then, there are the realistic field tests: our products are subjected to crash tests on a racing circuit whereby a 3.5 ton lift-truck crashes into our barriers at ever increasing speeds. High speed cameras register the speeds, impact corners, deformations and precise impact Point. This enables us to manufacture and launch products that comply with the strictest safety standards.



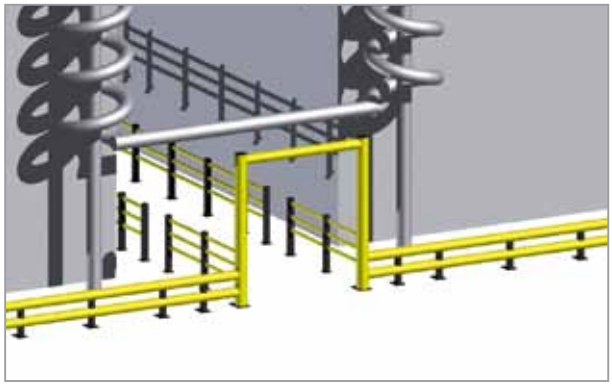
The test collisions are carried out at various speeds and in various corners, not just against barriers. In all circumstances the collision security system survived the collision, and also the forklift trucks are still in a safe condition after each impact.

These tests have enabled us to develop a special software that, by means of a collision simulation, predicts behaviour, load, impact, deflection, tension and other parameters for our products.

In order to incorporate the acquired knowledge into all of our products, we collaborate with recognized consulting firms and (university) research centres. Thanks to our relevant know-how, we have been asked to act as adviser in helping determine our sector's safety standards.

MAINTENANCE, SERVICE AND GUARANTEES

Extend your investment's life



Every day, our highly qualified employees commit themselves to finding the solution that suits you best. First, CAD drawings are used to make a detailed plan of the areas, machinery or parts to be protected. This results in an accurate offer. After approval, we manufacture and prepare the required pieces and elements. Our own team of professionals installs the construction at your premises and takes care of post-installation maintenance, if necessary. Thorough preparation, follow-up and control of every project always results in the safest and most effective protection, fully in accordance with your specific needs.

MAINTENANCE AND SERVICE

All our products are used in extremely stressful environments. Nevertheless, they must never fail and must work all the time. To ensure their perfect operation and extend their life, we recommend regular service and maintenance. Therefore, you can contact our maintenance service staff, who will offer you a service contract tailored to your specific situation. If it is fiscally beneficial for you, you can hire or lease our products instead of buying them.

WHAT ARE THE GUARANTEES?

Our customers have high demands and we, too, have high standards. In order to do so, we carry out tests and verifications during the entire production procedure, so we are sure that all products leave the factory in a perfect condition. This strict policy allows us to grant a minimal 24 month guarantee (from purchase date) on our products for acknowledged production errors. The guarantee term can be extended if the client concludes a service contract. In the future, we will continue to invest, so that we can still give you the best guarantees. Our guarantee conditions are available on request.

365 STANDARD MAINTENANCE SUPPORT

365 PLUS MAINTENANCE SUPPORT

365 PREMIUM MAINTENANCE SUPPORT

For more information about our maintenance support contracts, ask our sales team.

▶ TB Triple Super / steel manufacturer

▶ TB Plus / pharmaceutical firm

▶ TB Plus - SG Swing - BO Impact / company in electronics

▶ BO Impact / hospital emergency ward

▶ TB Plus / food coldstore

▶ TB Mini - KP Universal / pharmaceutical firm

▶ TB 400 / automotive

▶ HP Plus - BO Impact - Gate / warehouse

▶ TB400 - RE Rack End / distribution center

▶ TB400 - RE Rack End / distribution center

▶ TB Plus - KP - SG Swing / warehouse

▶ TB Plus - SG Swing / automotive company

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